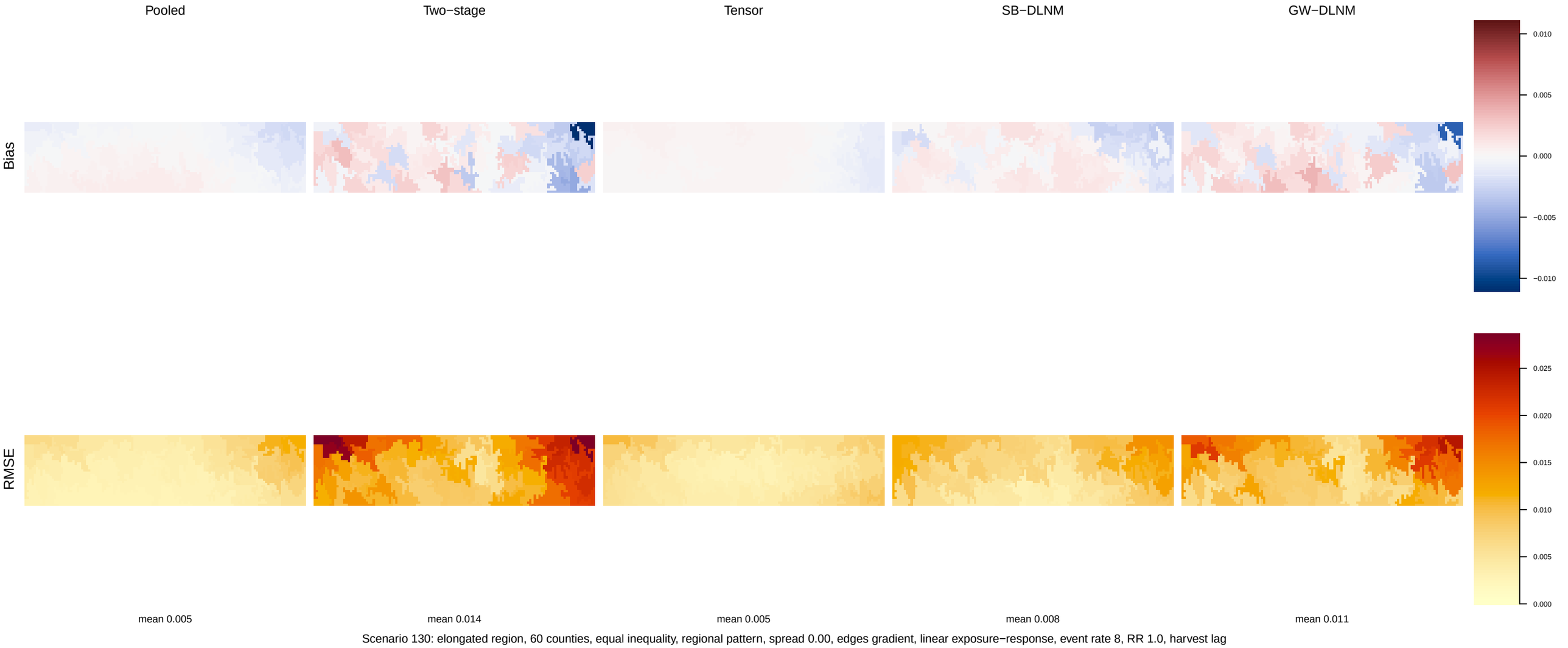


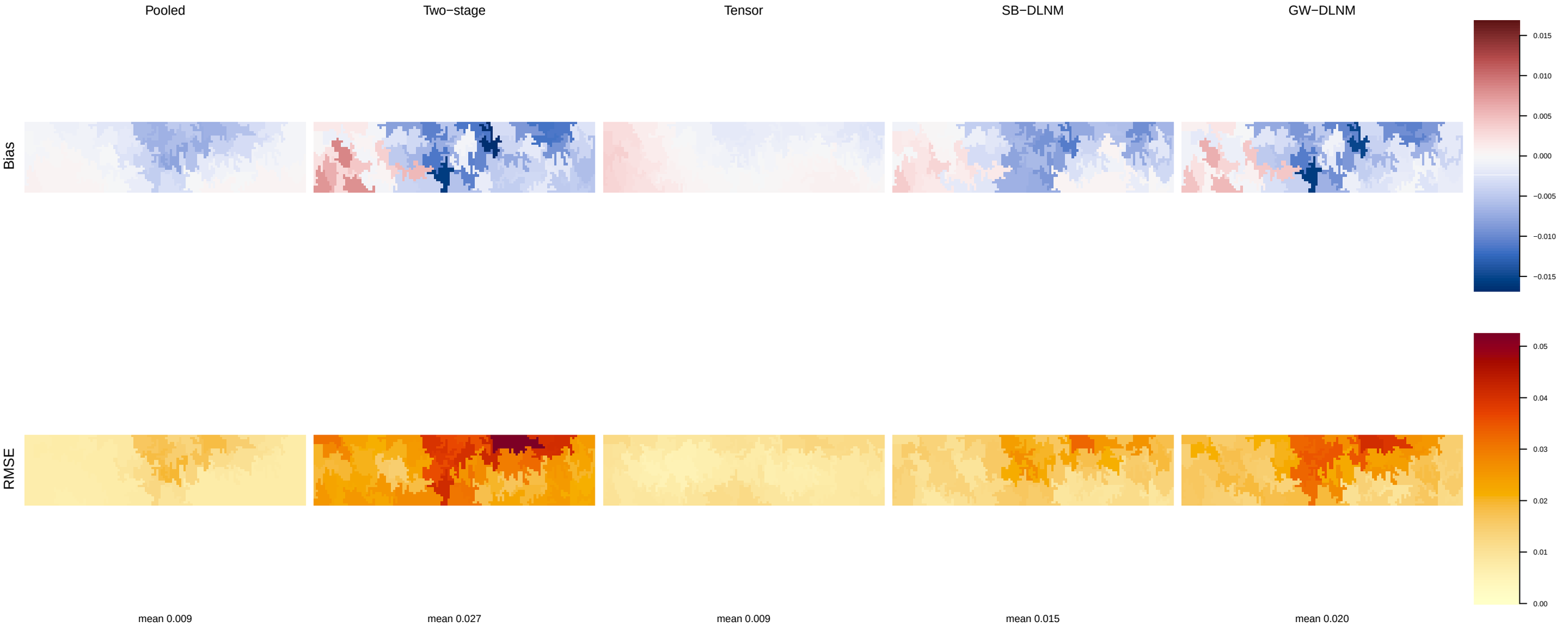
Scenario 130: elongated region, 60 counties, equal inequality, regional pattern, spread 0.00, edges gradient, linear exposure−response, event rate 8, RR 1.0, harvest lag



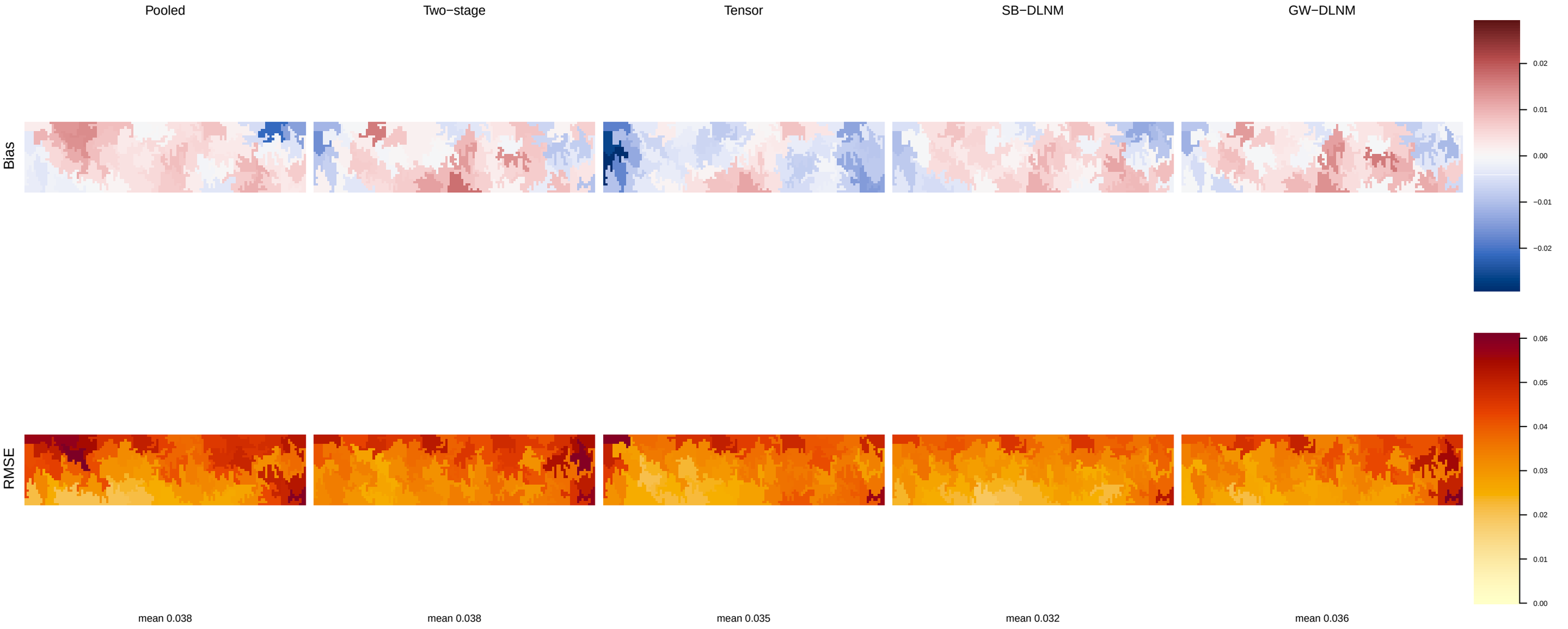
Scenario 66: elongated region, 60 counties, equal inequality, local pattern, spread 0.00, NS gradient, linear exposure−response, event rate 0.125, RR 1.4, short lag



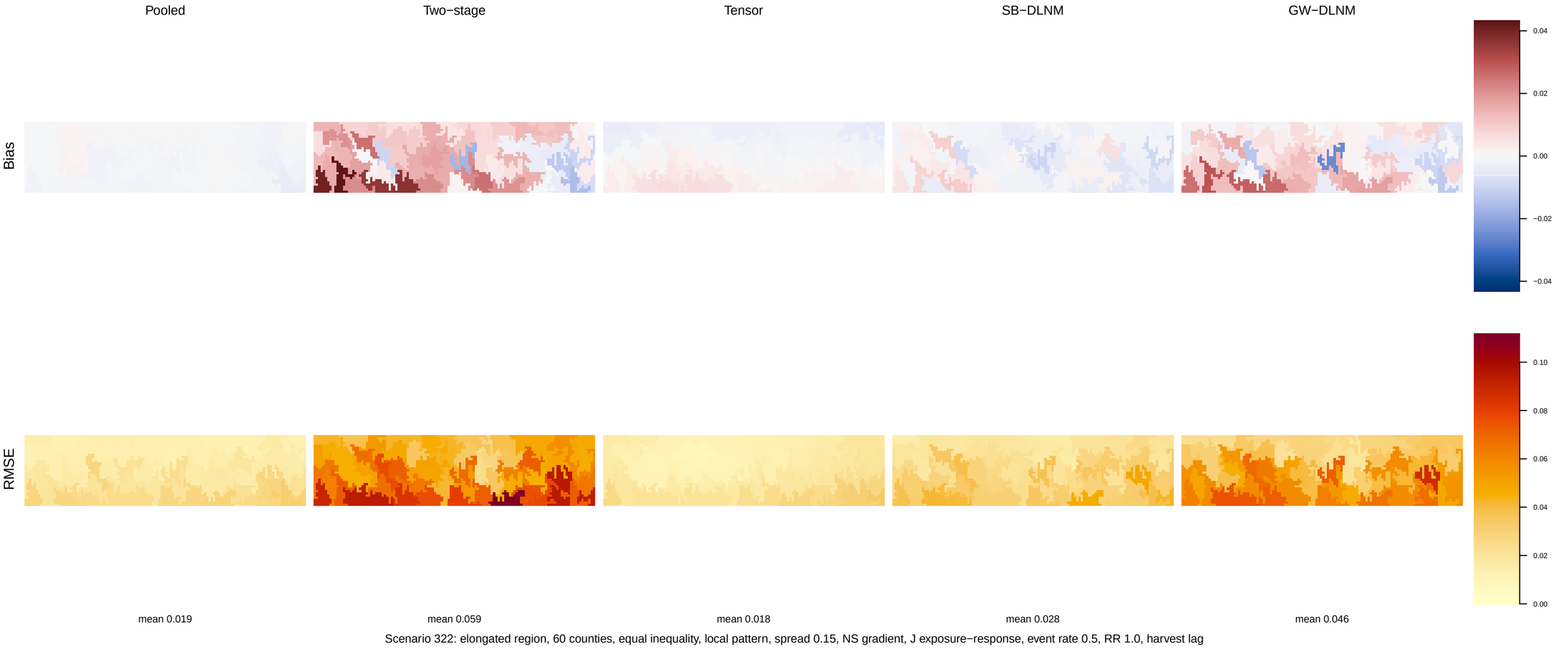
Scenario 2: elongated region, 60 counties, equal inequality, independent pattern, spread 0.00, ridge gradient, linear exposure−response, event rate 0.5, RR 1.2, decay lag



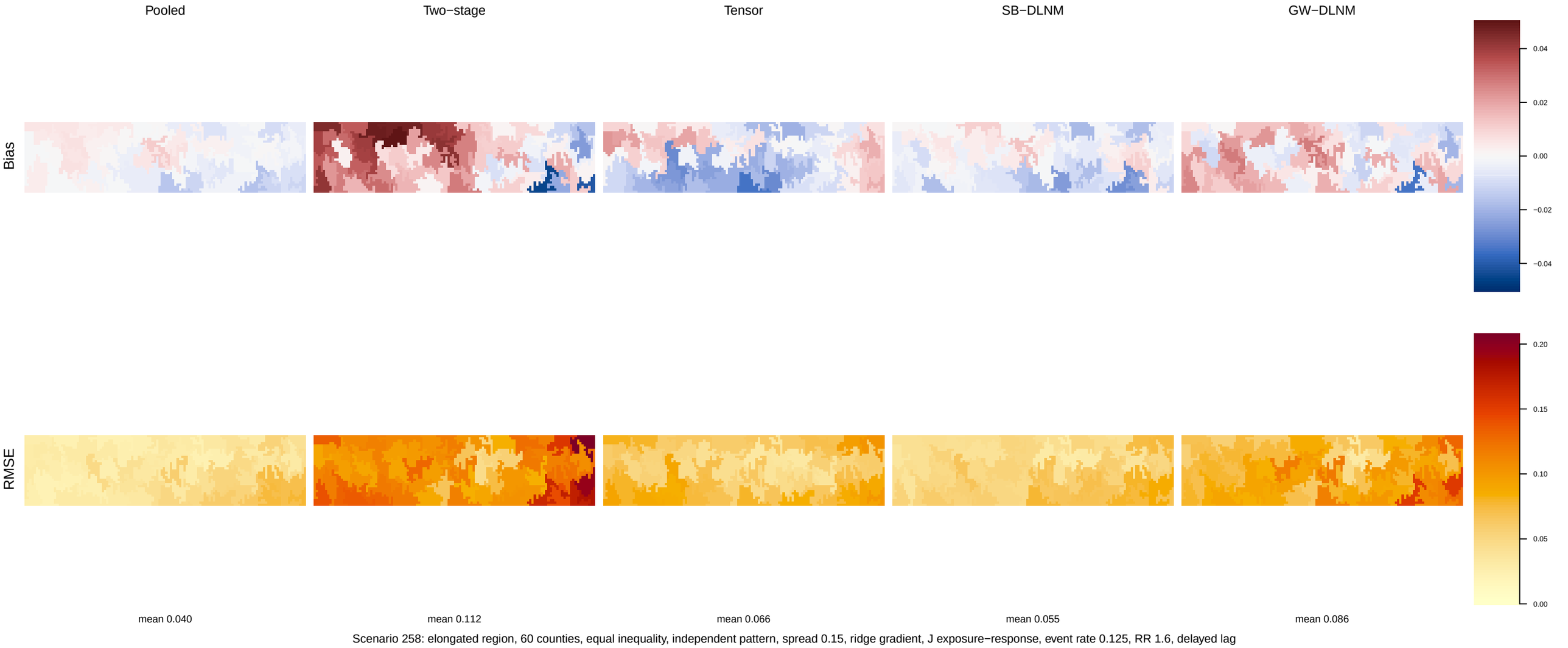
Scenario 194: elongated region, 60 counties, equal inequality, boundary pattern, spread 0.00, valley gradient, linear exposure−response, event rate 2, RR 1.6, delayed lag



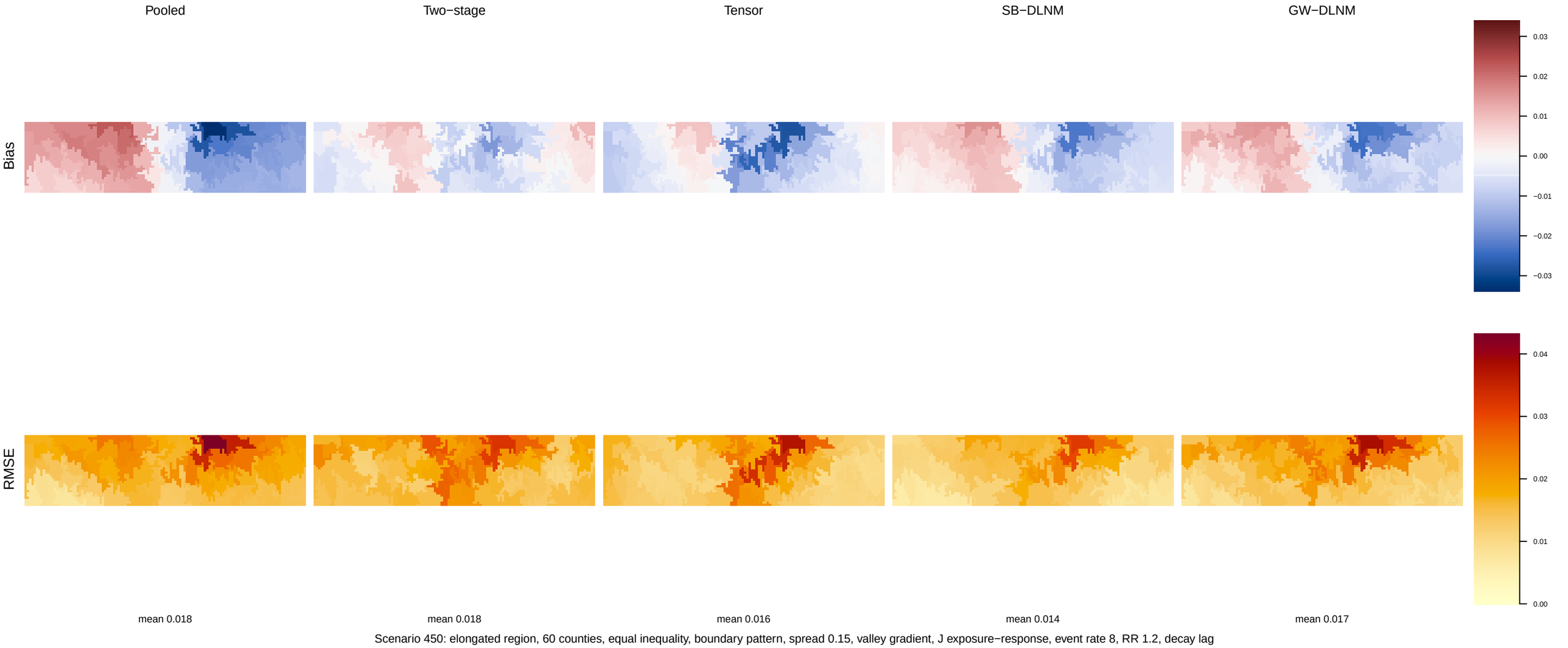
Scenario 386: elongated region, 60 counties, equal inequality, regional pattern, spread 0.15, edges gradient, J exposure−response, event rate 2, RR 1.4, short lag



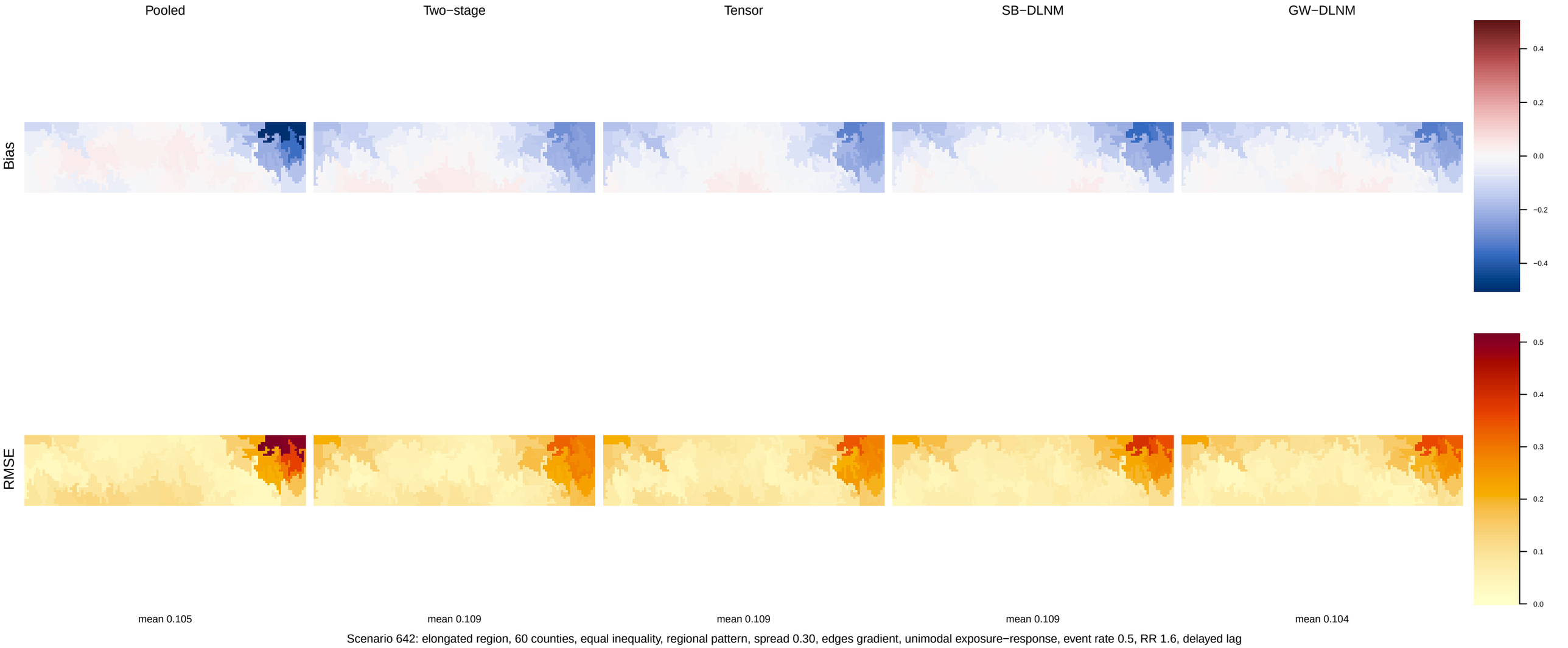
Scenario 322: elongated region, 60 counties, equal inequality, local pattern, spread 0.15, NS gradient, J exposure−response, event rate 0.5, RR 1.0, harvest lag



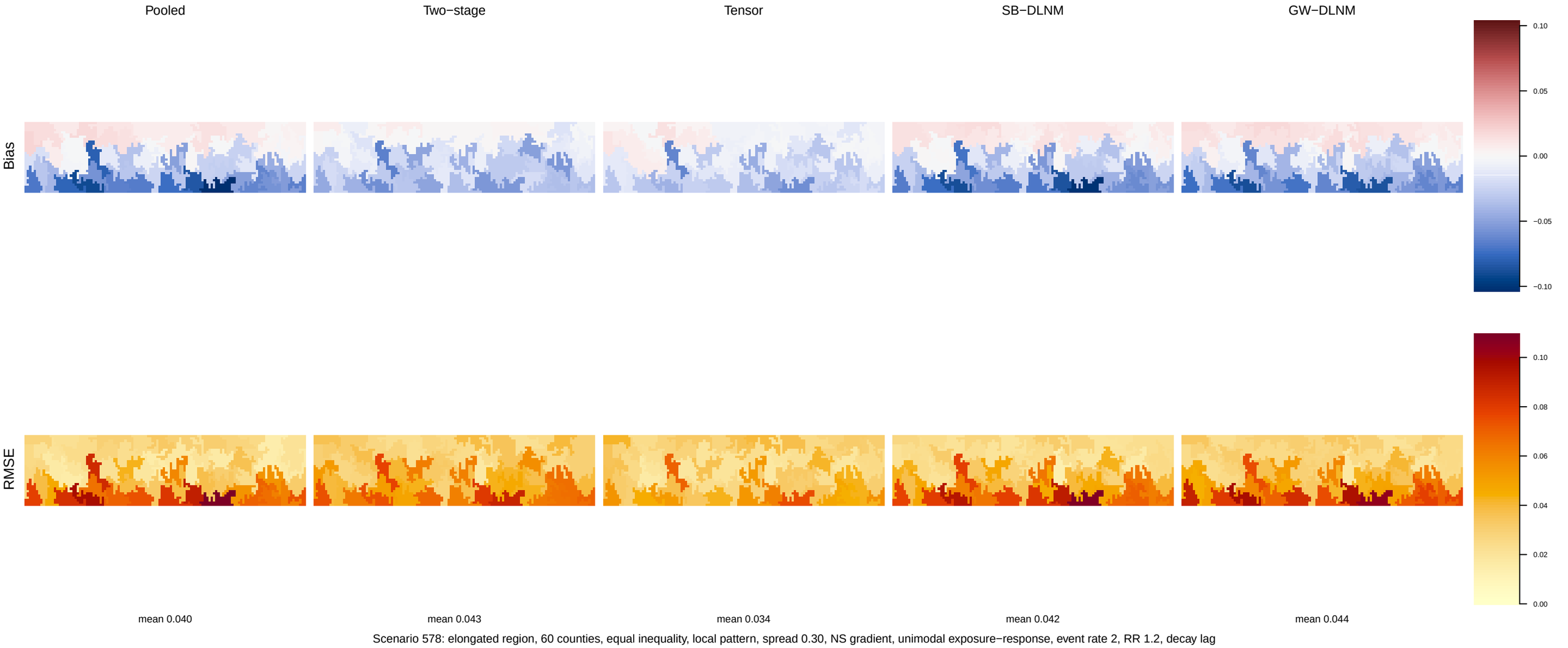
Scenario 258: elongated region, 60 counties, equal inequality, independent pattern, spread 0.15, ridge gradient, J exposure−response, event rate 0.125, RR 1.6, delayed lag



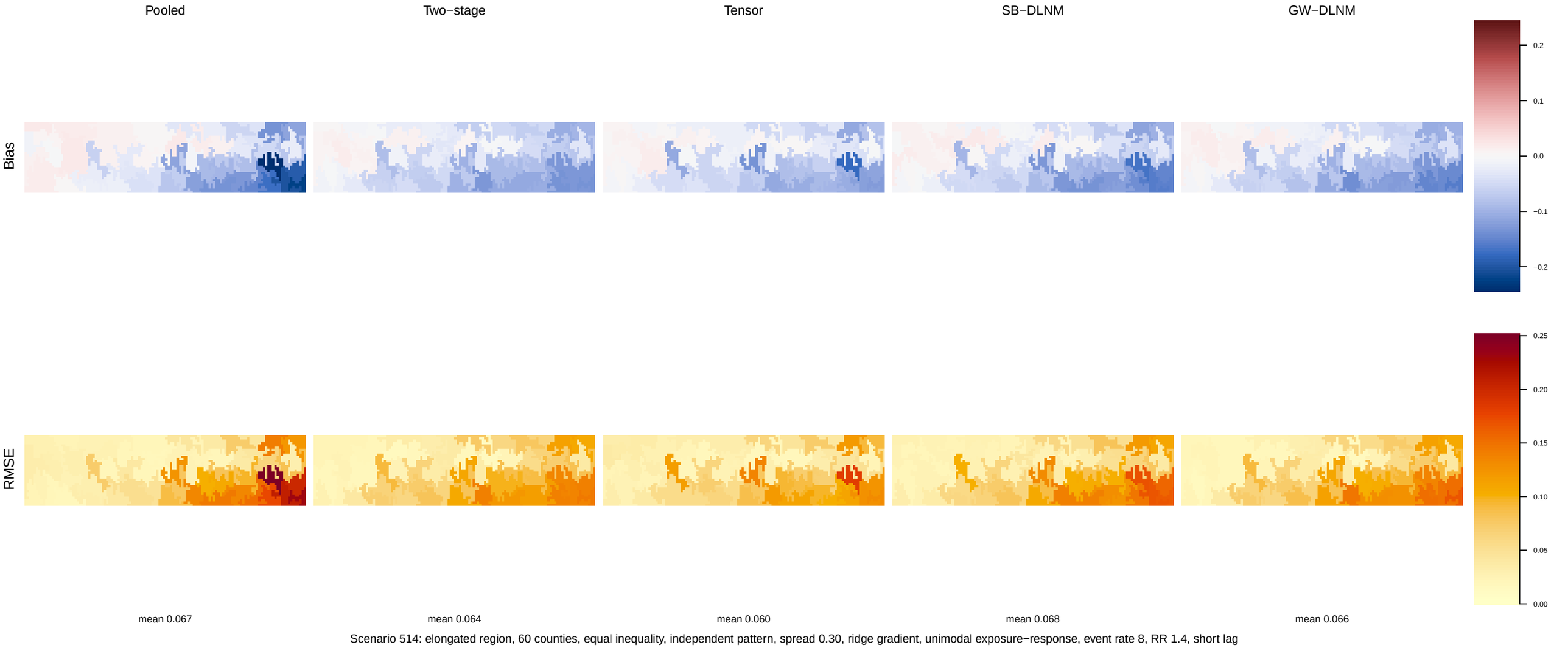
Scenario 450: elongated region, 60 counties, equal inequality, boundary pattern, spread 0.15, valley gradient, J exposure−response, event rate 8, RR 1.2, decay lag



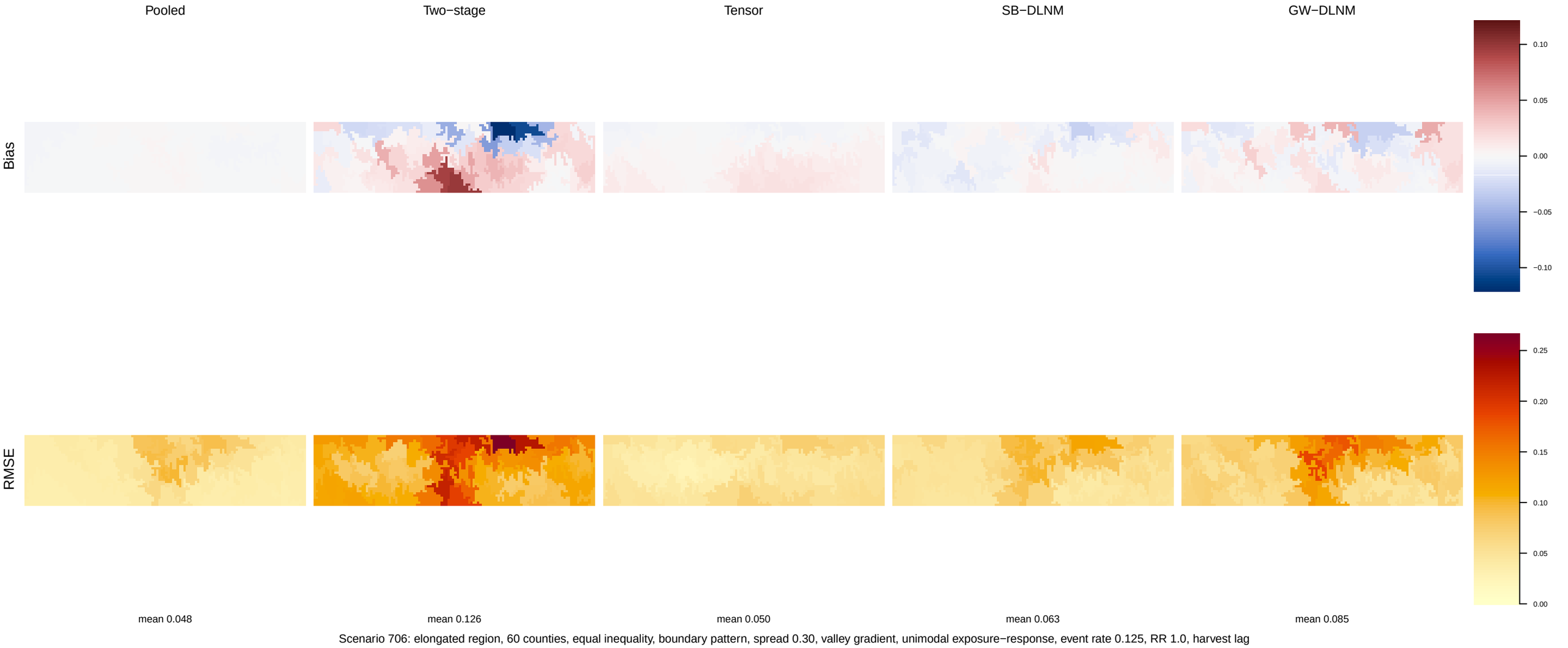
Scenario 642: elongated region, 60 counties, equal inequality, regional pattern, spread 0.30, edges gradient, unimodal exposure−response, event rate 0.5, RR 1.6, delayed lag



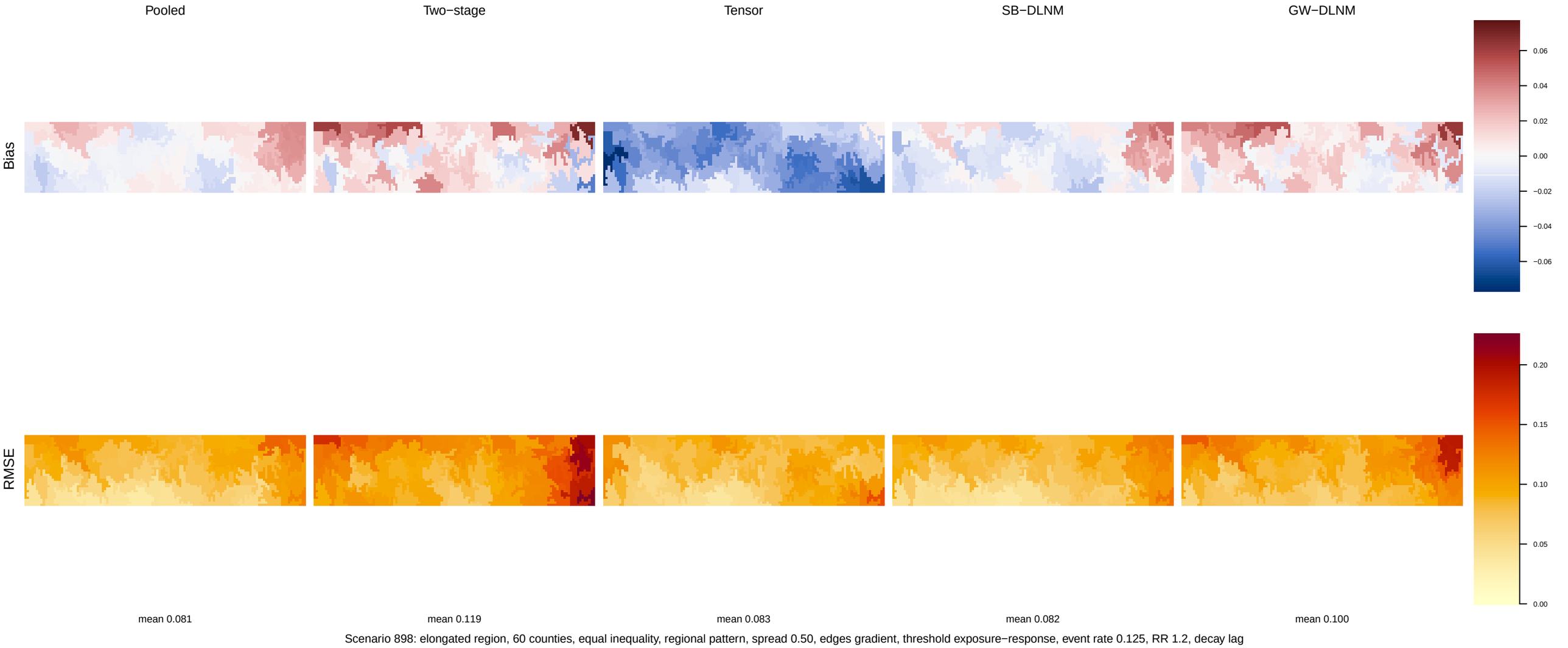
Scenario 578: elongated region, 60 counties, equal inequality, local pattern, spread 0.30, NS gradient, unimodal exposure−response, event rate 2, RR 1.2, decay lag



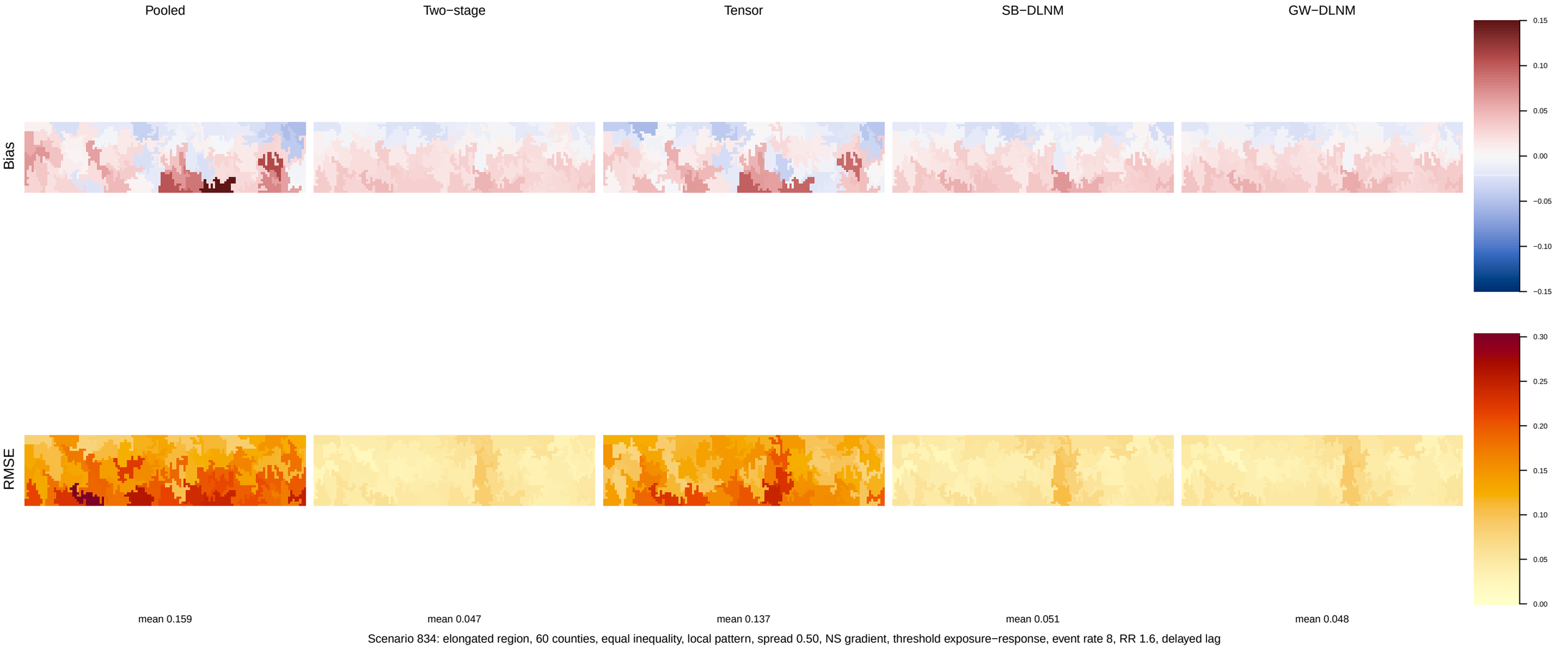
Scenario 514: elongated region, 60 counties, equal inequality, independent pattern, spread 0.30, ridge gradient, unimodal exposure−response, event rate 8, RR 1.4, short lag



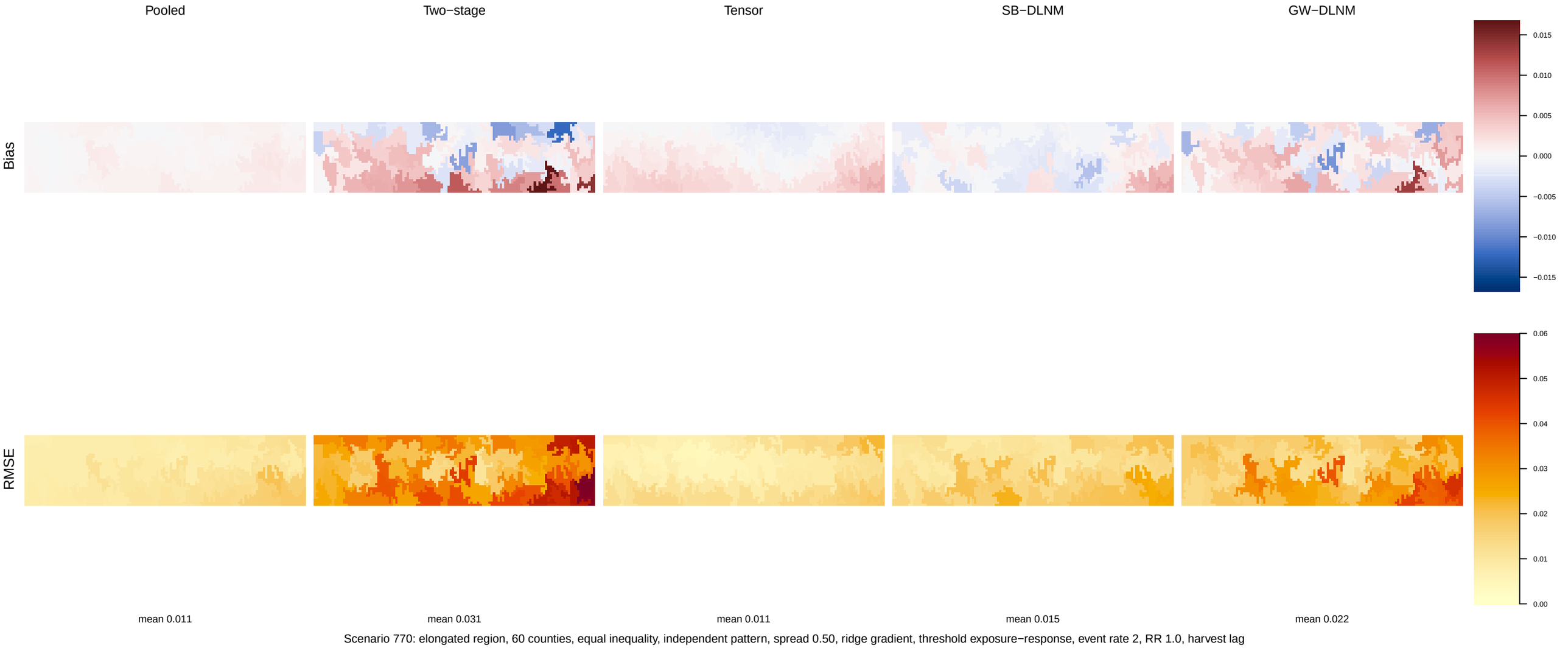
Scenario 706: elongated region, 60 counties, equal inequality, boundary pattern, spread 0.30, valley gradient, unimodal exposure−response, event rate 0.125, RR 1.0, harvest lag



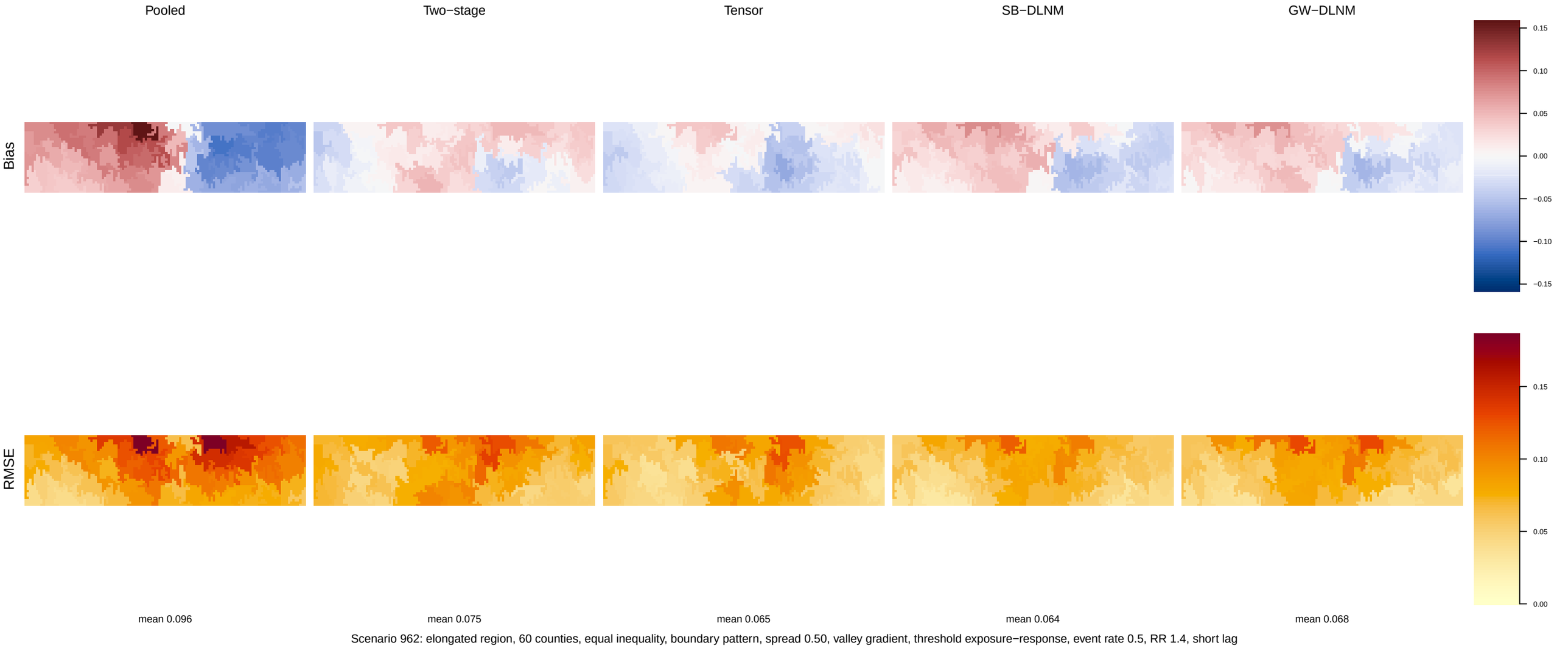
Scenario 898: elongated region, 60 counties, equal inequality, regional pattern, spread 0.50, edges gradient, threshold exposure−response, event rate 0.125, RR 1.2, decay lag



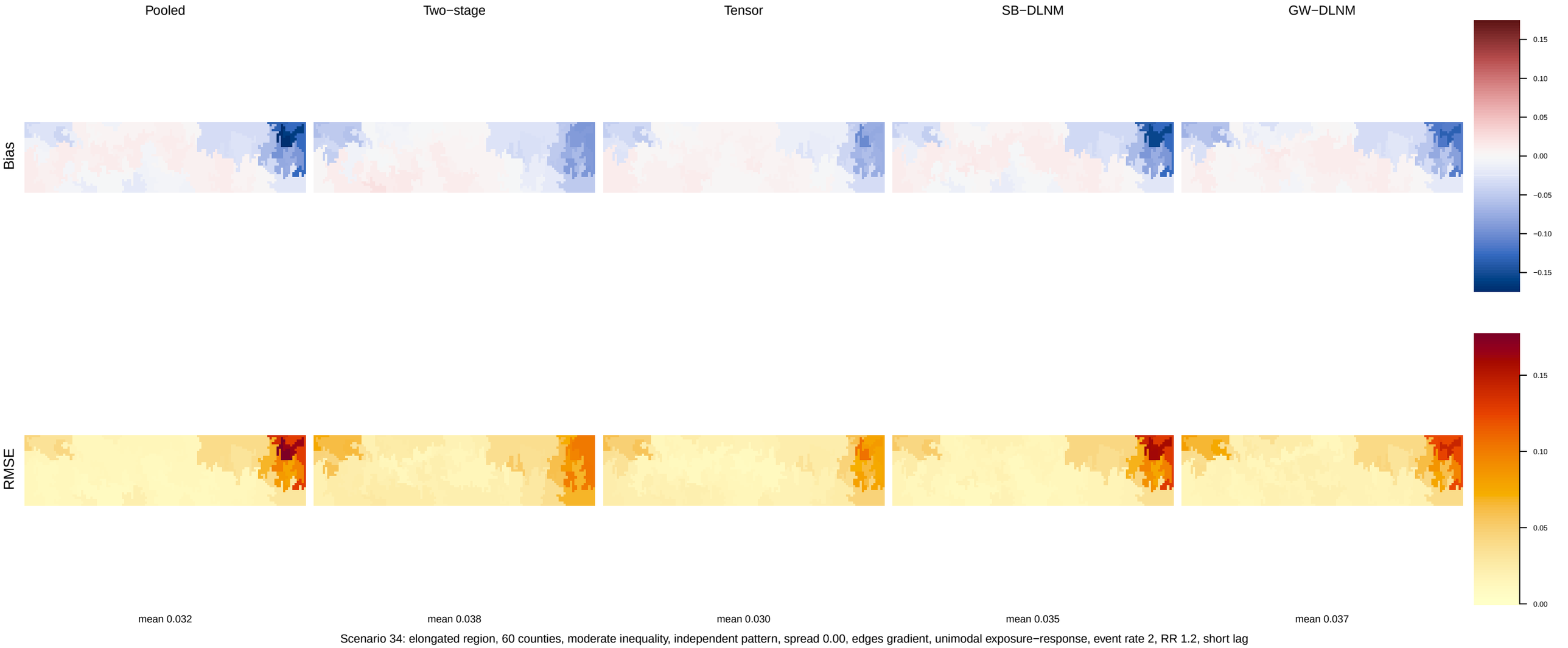
Scenario 834: elongated region, 60 counties, equal inequality, local pattern, spread 0.50, NS gradient, threshold exposure−response, event rate 8, RR 1.6, delayed lag



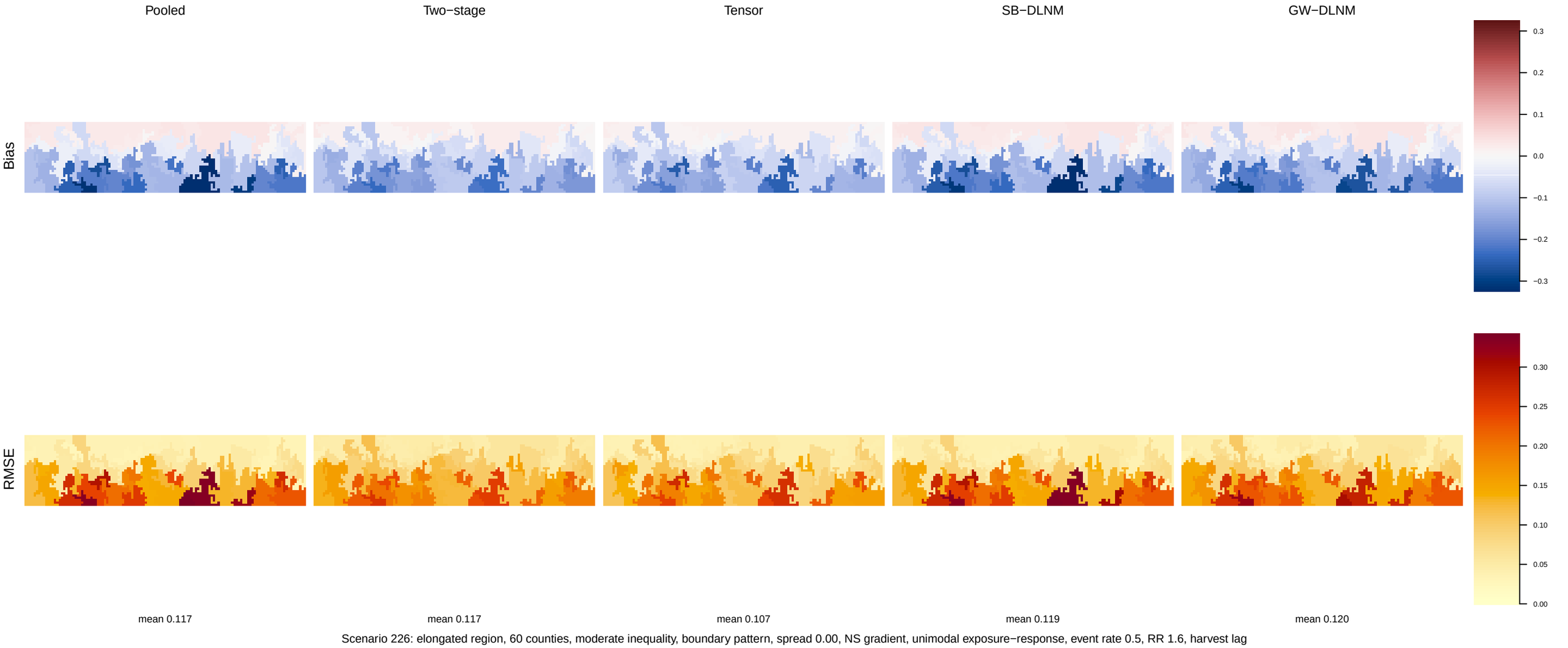
Scenario 770: elongated region, 60 counties, equal inequality, independent pattern, spread 0.50, ridge gradient, threshold exposure−response, event rate 2, RR 1.0, harvest lag



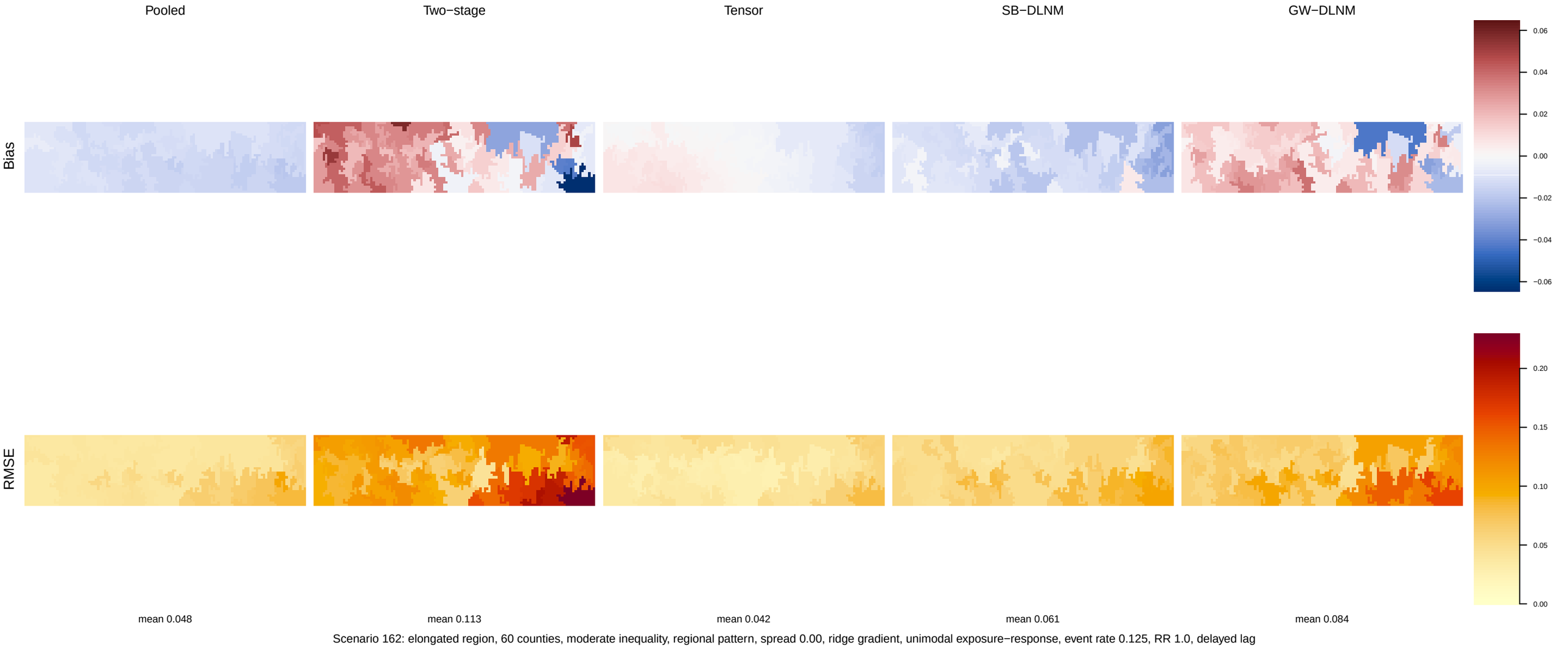
Scenario 962: elongated region, 60 counties, equal inequality, boundary pattern, spread 0.50, valley gradient, threshold exposure−response, event rate 0.5, RR 1.4, short lag



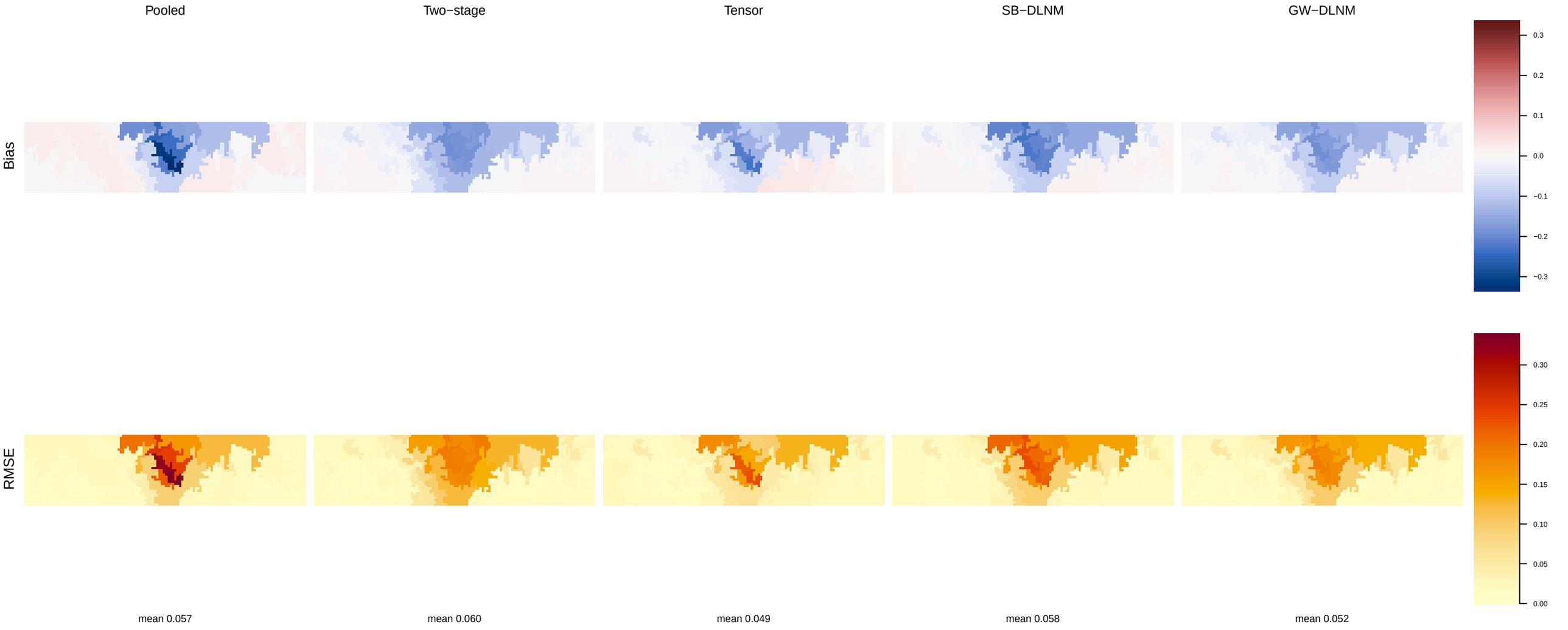
Scenario 34: elongated region, 60 counties, moderate inequality, independent pattern, spread 0.00, edges gradient, unimodal exposure−response, event rate 2, RR 1.2, short lag



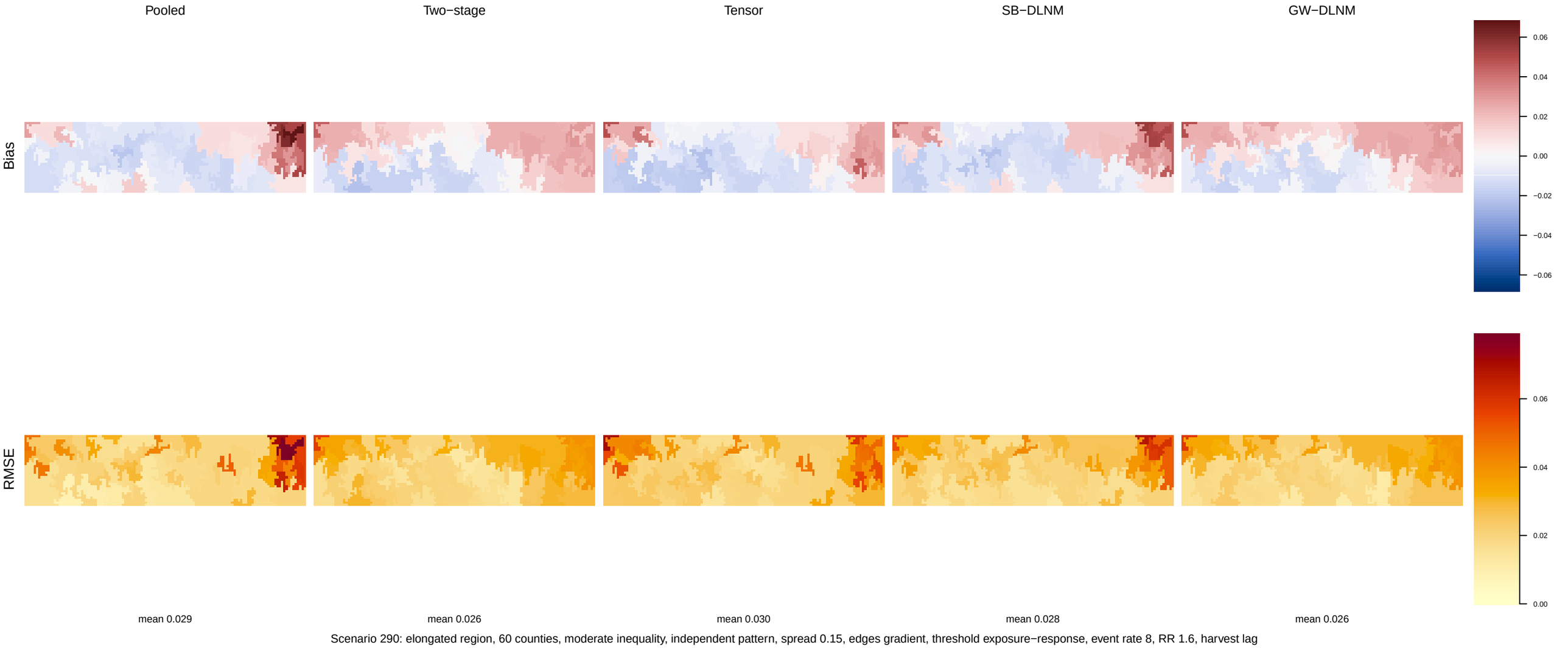
Scenario 226: elongated region, 60 counties, moderate inequality, boundary pattern, spread 0.00, NS gradient, unimodal exposure−response, event rate 0.5, RR 1.6, harvest lag



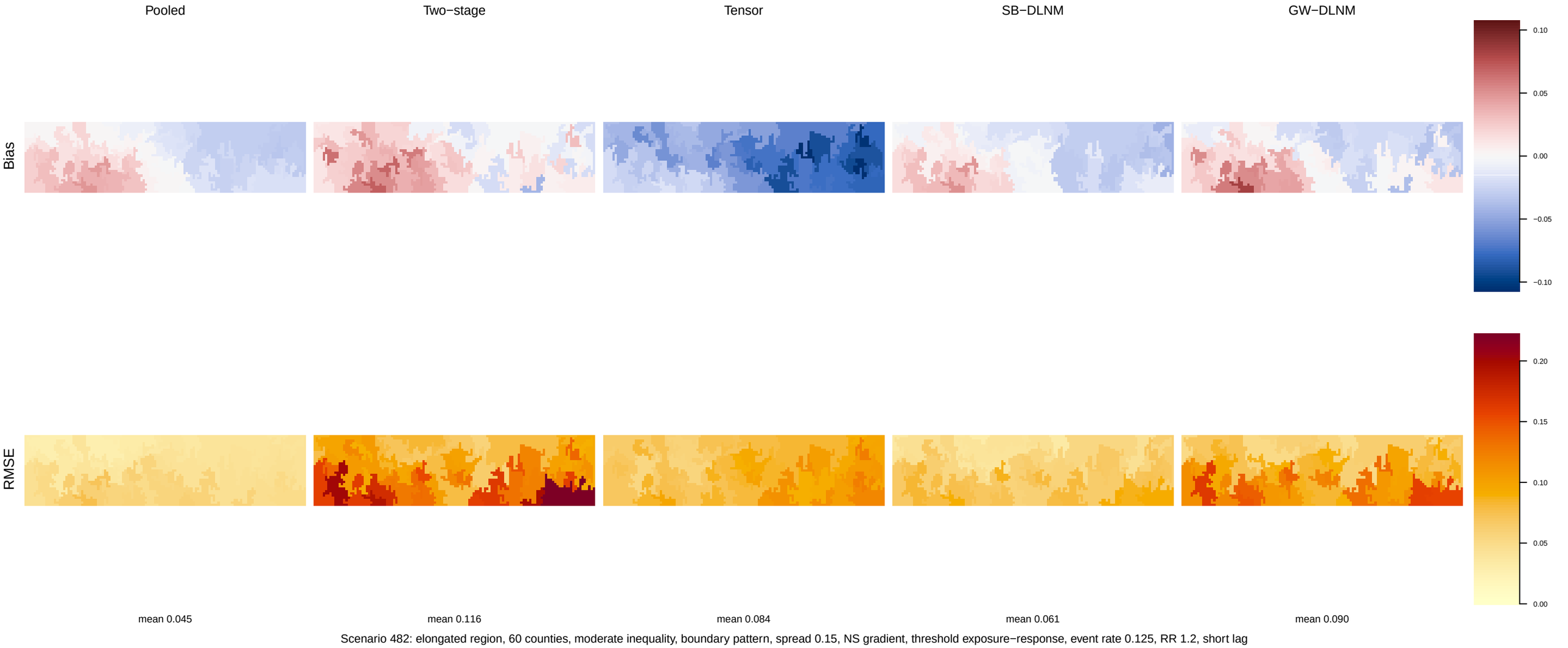
Scenario 162: elongated region, 60 counties, moderate inequality, regional pattern, spread 0.00, ridge gradient, unimodal exposure−response, event rate 0.125, RR 1.0, delayed lag



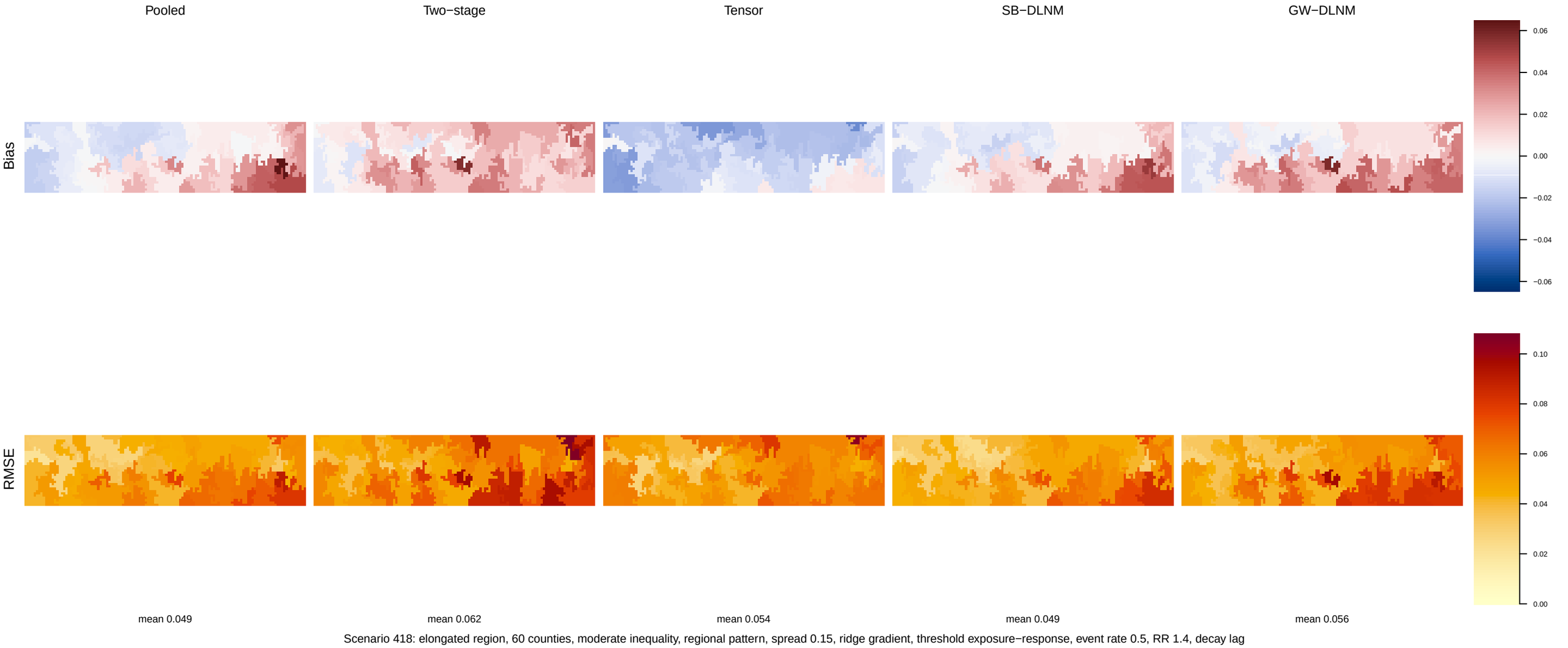
Scenario 98: elongated region, 60 counties, moderate inequality, local pattern, spread 0.00, valley gradient, unimodal exposure−response, event rate 8, RR 1.4, decay lag



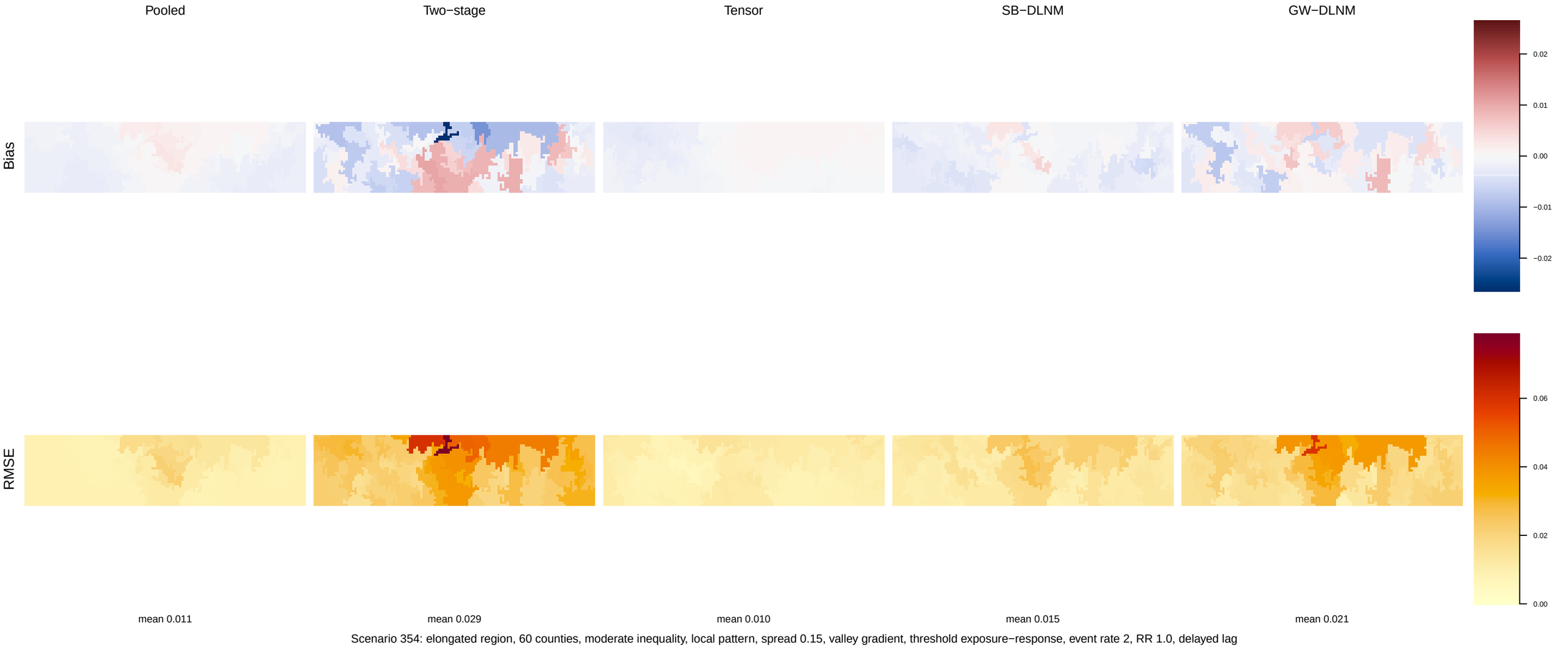
Scenario 290: elongated region, 60 counties, moderate inequality, independent pattern, spread 0.15, edges gradient, threshold exposure−response, event rate 8, RR 1.6, harvest lag



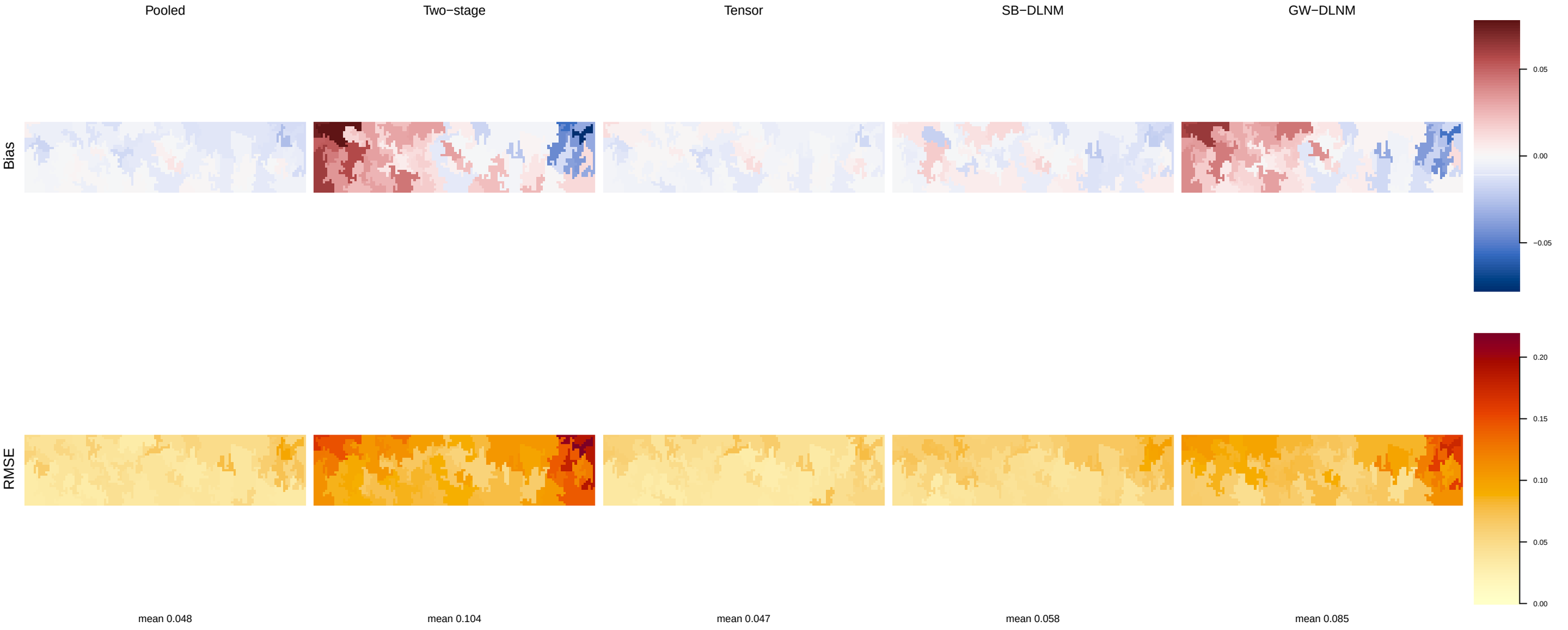
Scenario 482: elongated region, 60 counties, moderate inequality, boundary pattern, spread 0.15, NS gradient, threshold exposure−response, event rate 0.125, RR 1.2, short lag



Scenario 418: elongated region, 60 counties, moderate inequality, regional pattern, spread 0.15, ridge gradient, threshold exposure−response, event rate 0.5, RR 1.4, decay lag



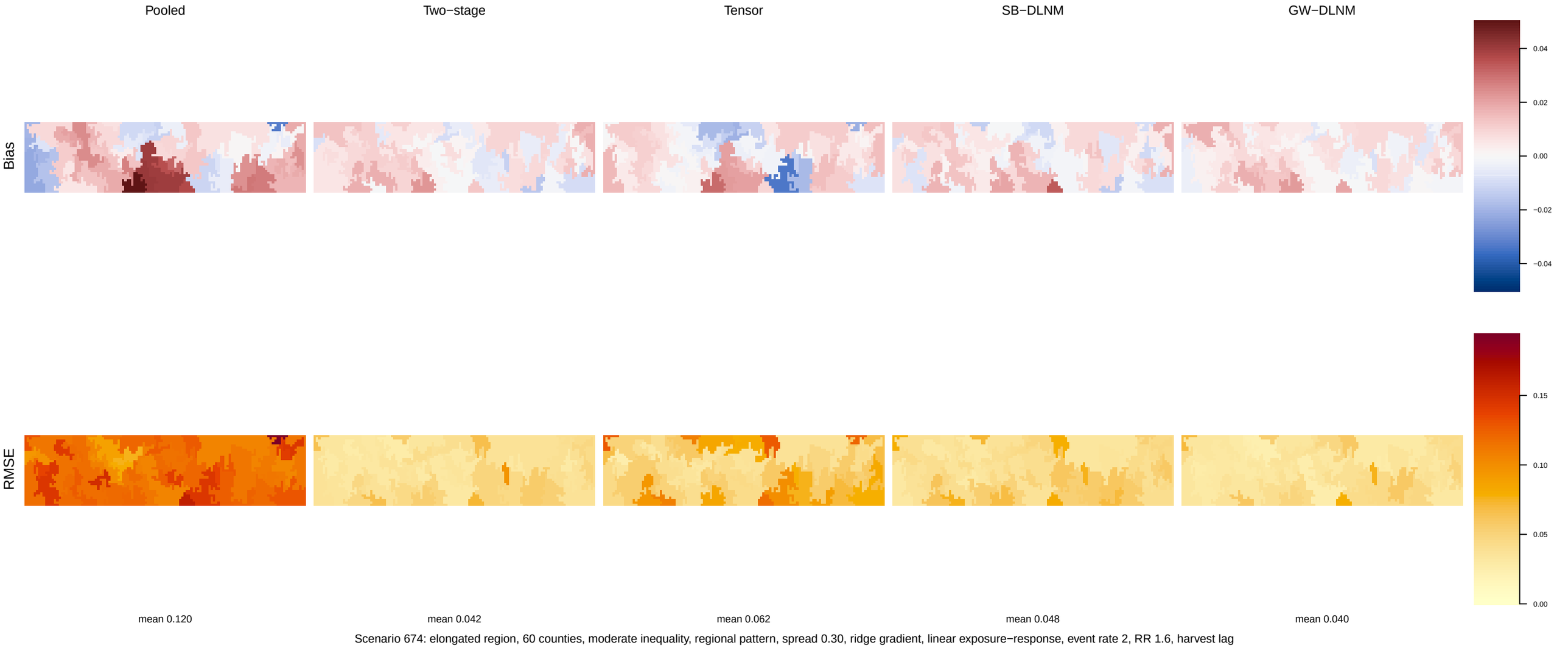
Scenario 354: elongated region, 60 counties, moderate inequality, local pattern, spread 0.15, valley gradient, threshold exposure−response, event rate 2, RR 1.0, delayed lag



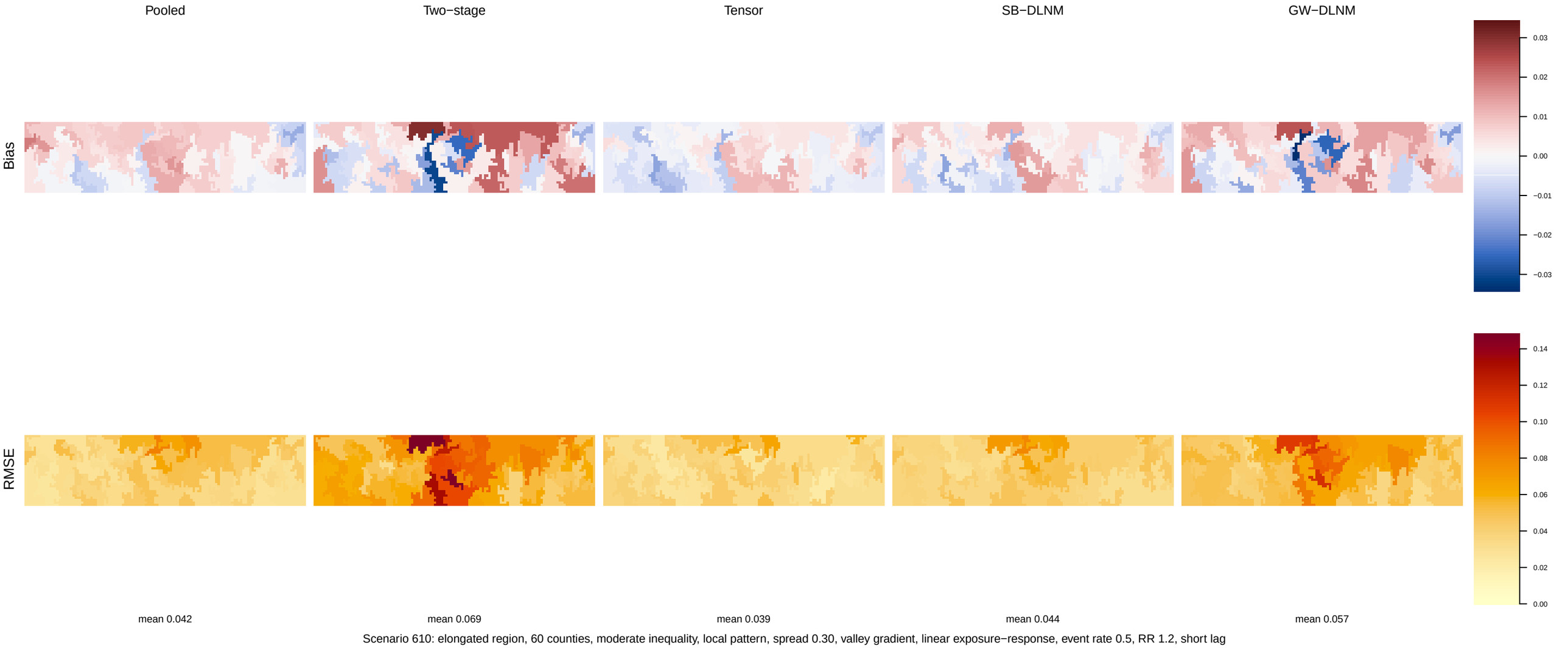
Scenario 546: elongated region, 60 counties, moderate inequality, independent pattern, spread 0.30, edges gradient, linear exposure−response, event rate 0.125, RR 1.4, decay lag



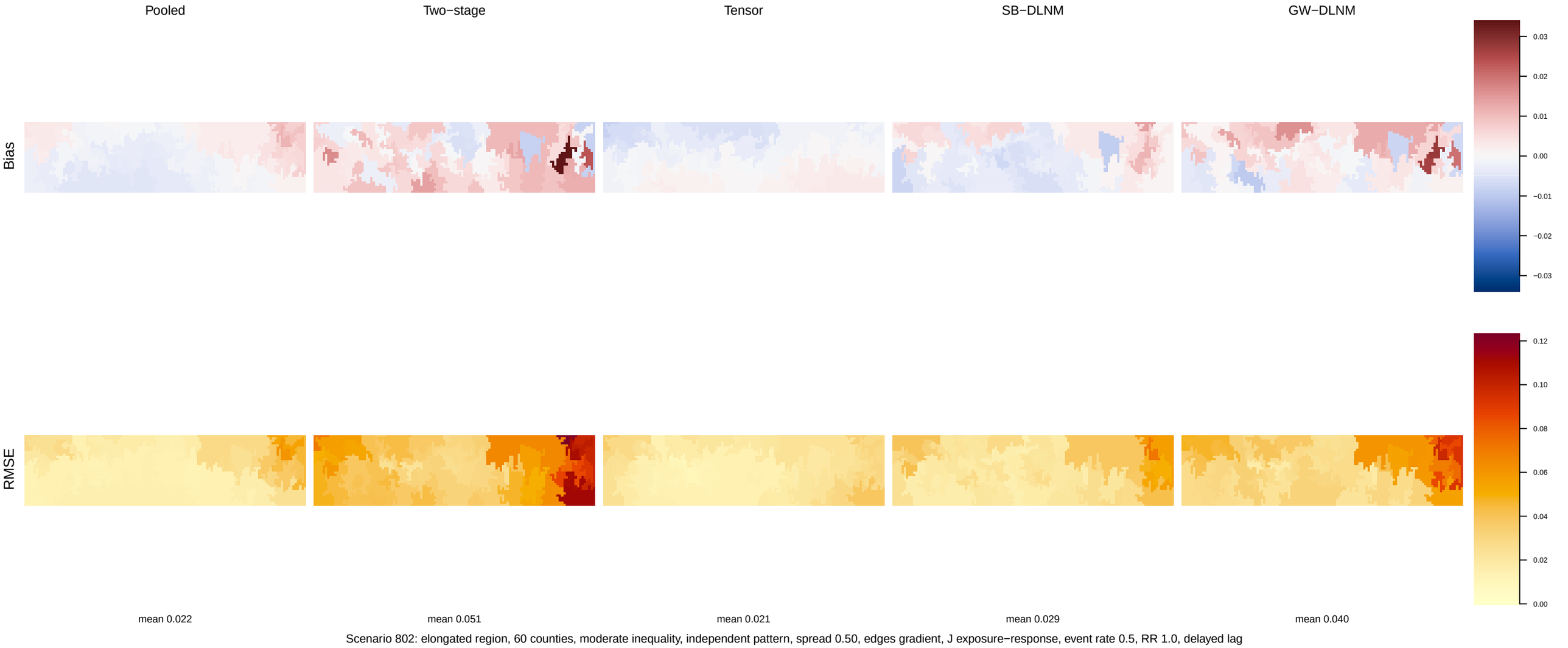
Scenario 738: elongated region, 60 counties, moderate inequality, boundary pattern, spread 0.30, NS gradient, linear exposure−response, event rate 8, RR 1.0, delayed lag



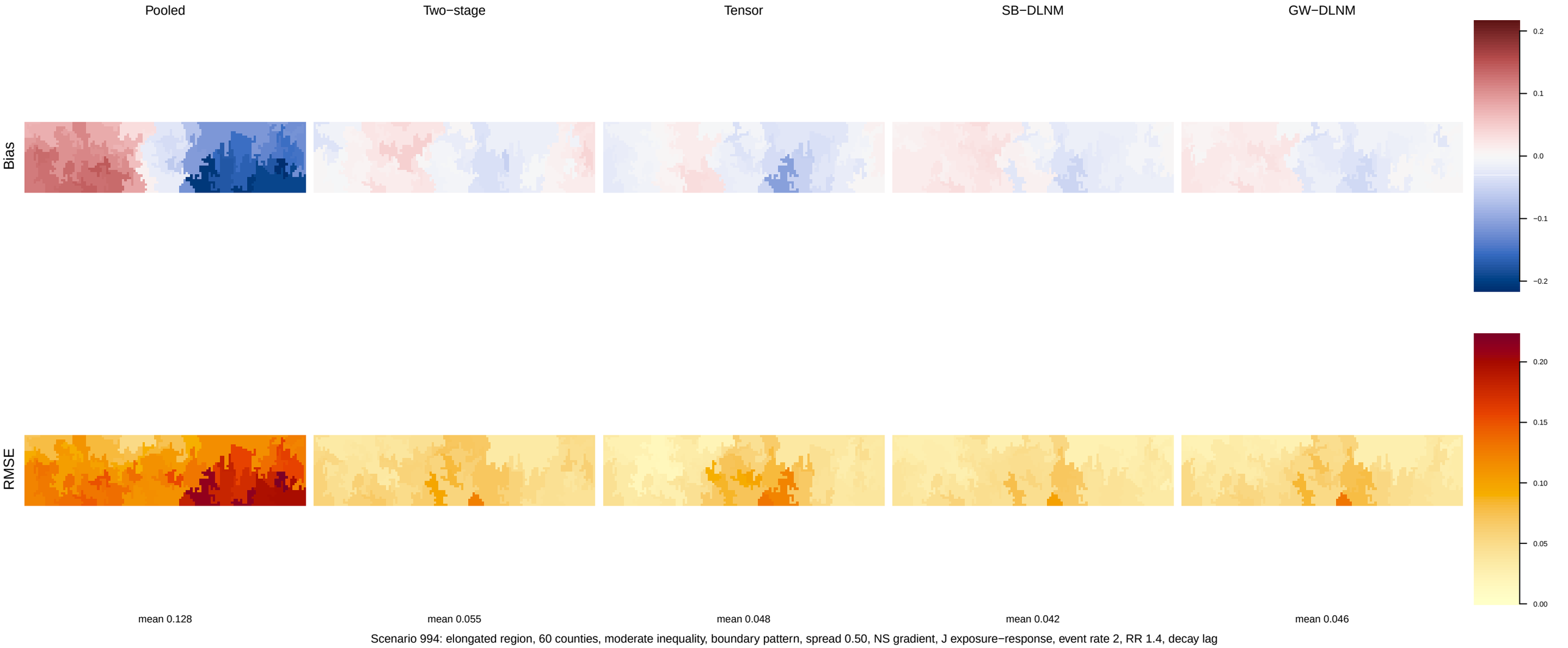
Scenario 674: elongated region, 60 counties, moderate inequality, regional pattern, spread 0.30, ridge gradient, linear exposure−response, event rate 2, RR 1.6, harvest lag



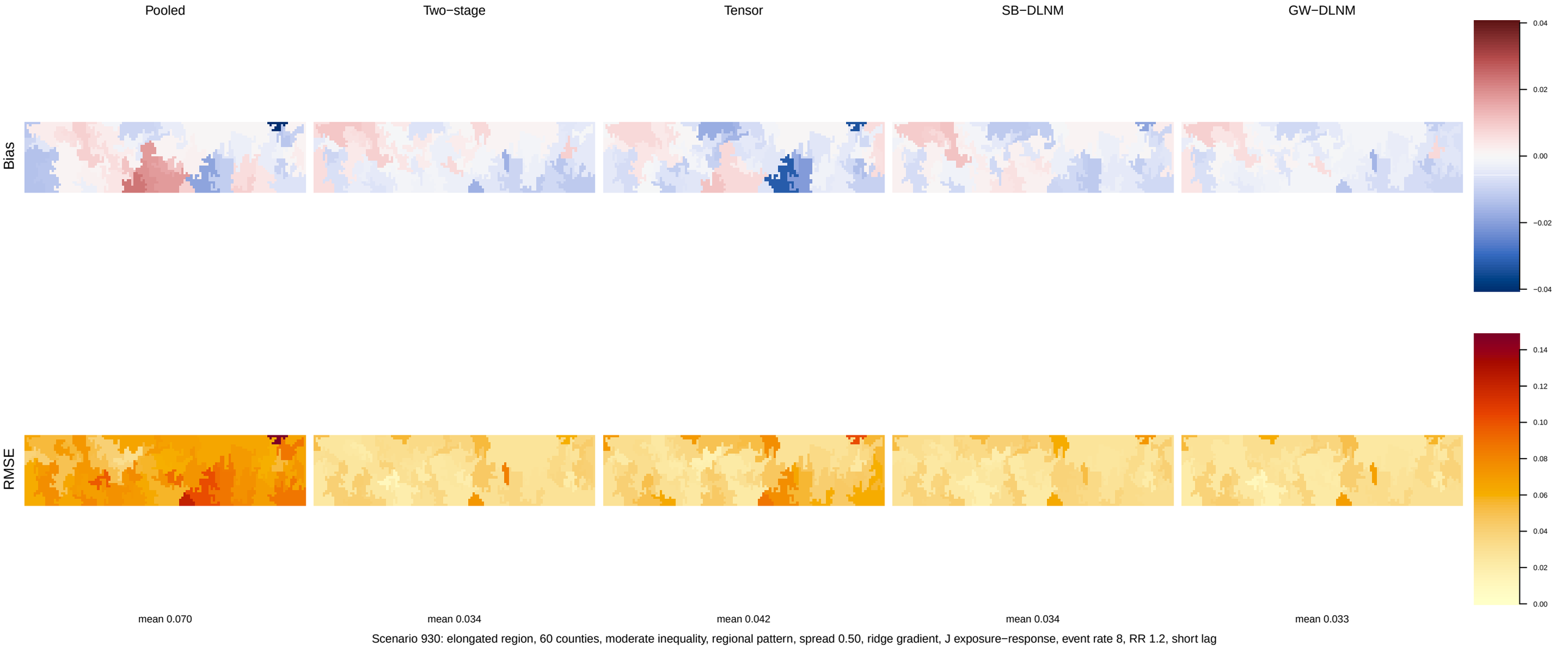
Scenario 610: elongated region, 60 counties, moderate inequality, local pattern, spread 0.30, valley gradient, linear exposure−response, event rate 0.5, RR 1.2, short lag



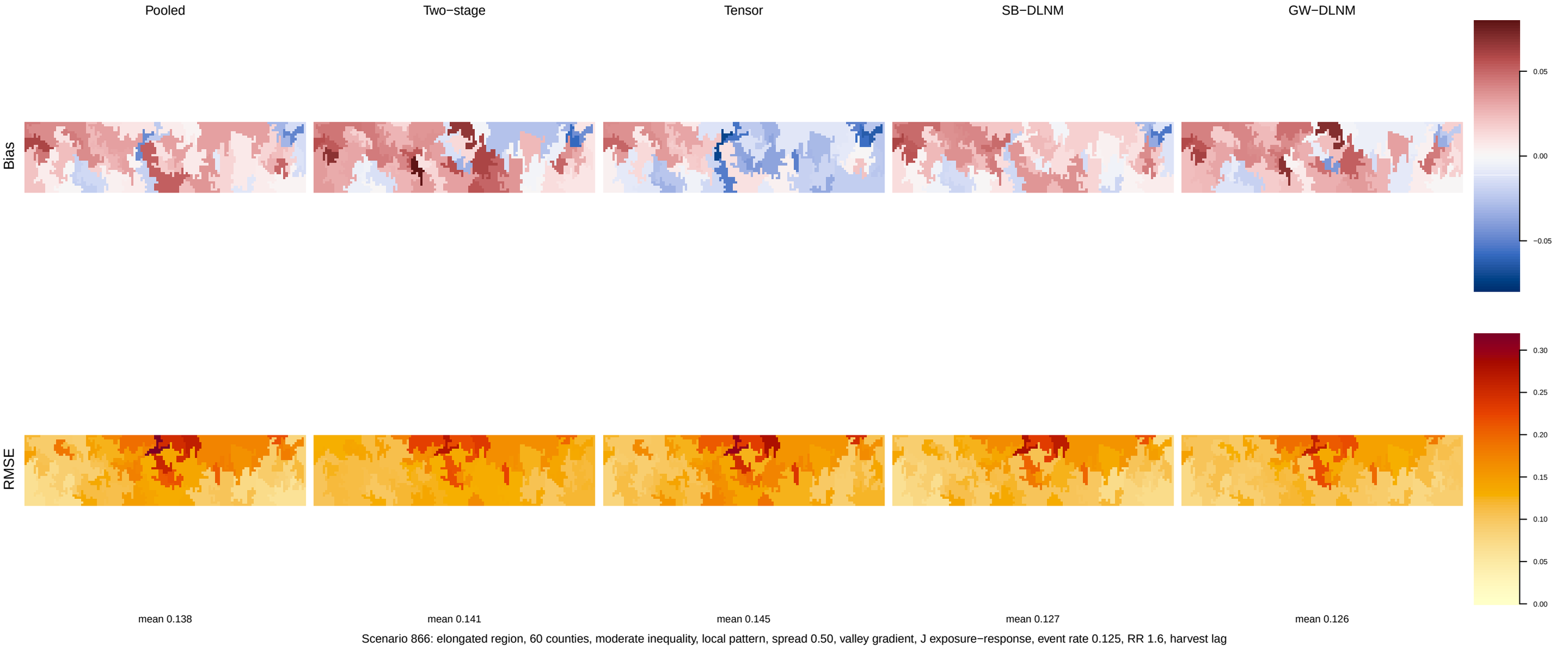
Scenario 802: elongated region, 60 counties, moderate inequality, independent pattern, spread 0.50, edges gradient, J exposure−response, event rate 0.5, RR 1.0, delayed lag



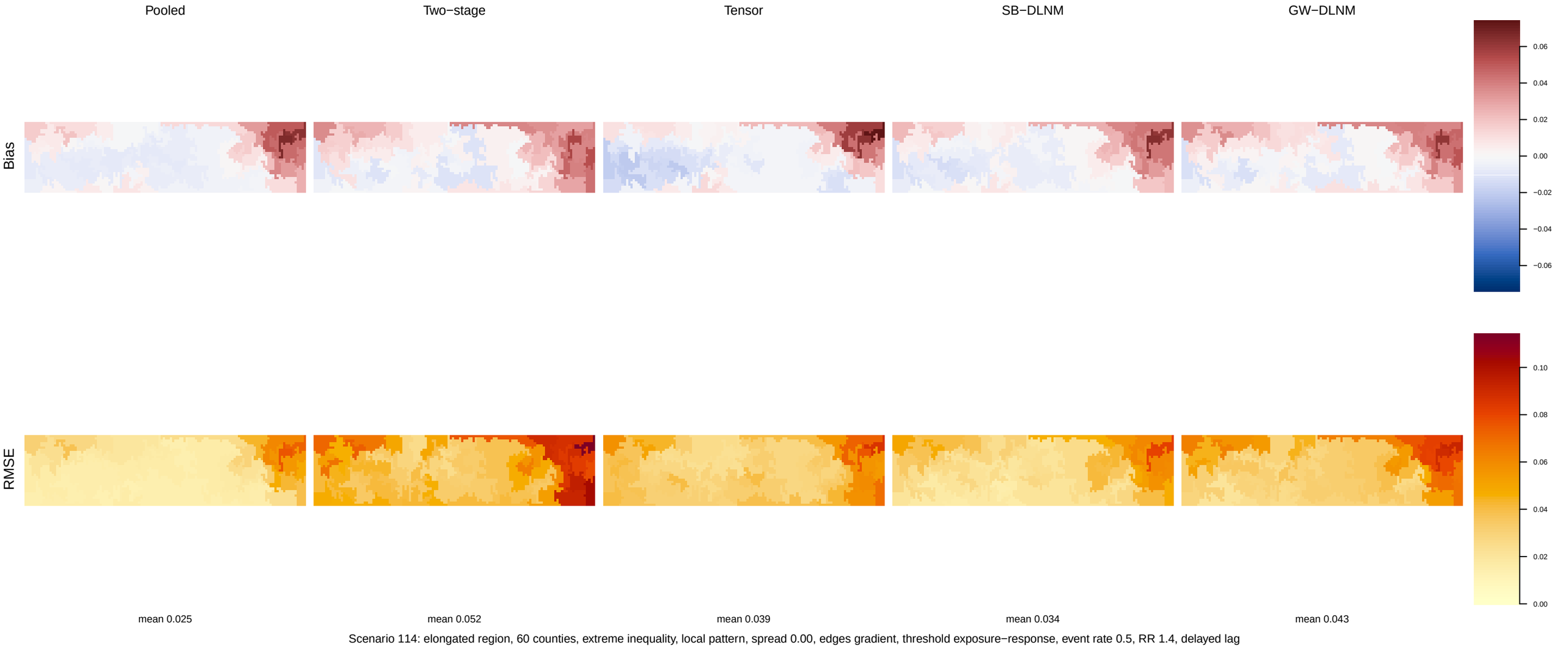
Scenario 994: elongated region, 60 counties, moderate inequality, boundary pattern, spread 0.50, NS gradient, J exposure−response, event rate 2, RR 1.4, decay lag



Scenario 930: elongated region, 60 counties, moderate inequality, regional pattern, spread 0.50, ridge gradient, J exposure−response, event rate 8, RR 1.2, short lag



Scenario 866: elongated region, 60 counties, moderate inequality, local pattern, spread 0.50, valley gradient, J exposure−response, event rate 0.125, RR 1.6, harvest lag



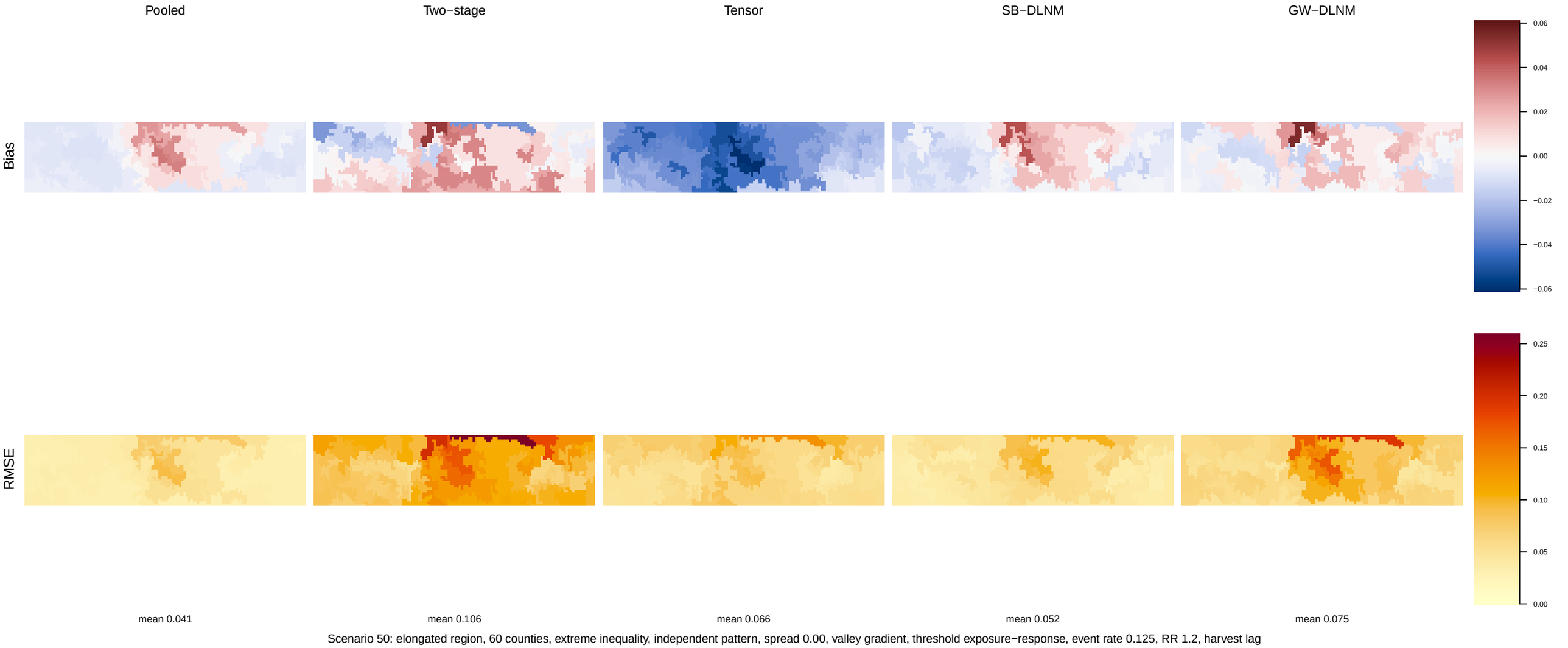
Scenario 114: elongated region, 60 counties, extreme inequality, local pattern, spread 0.00, edges gradient, threshold exposure−response, event rate 0.5, RR 1.4, delayed lag



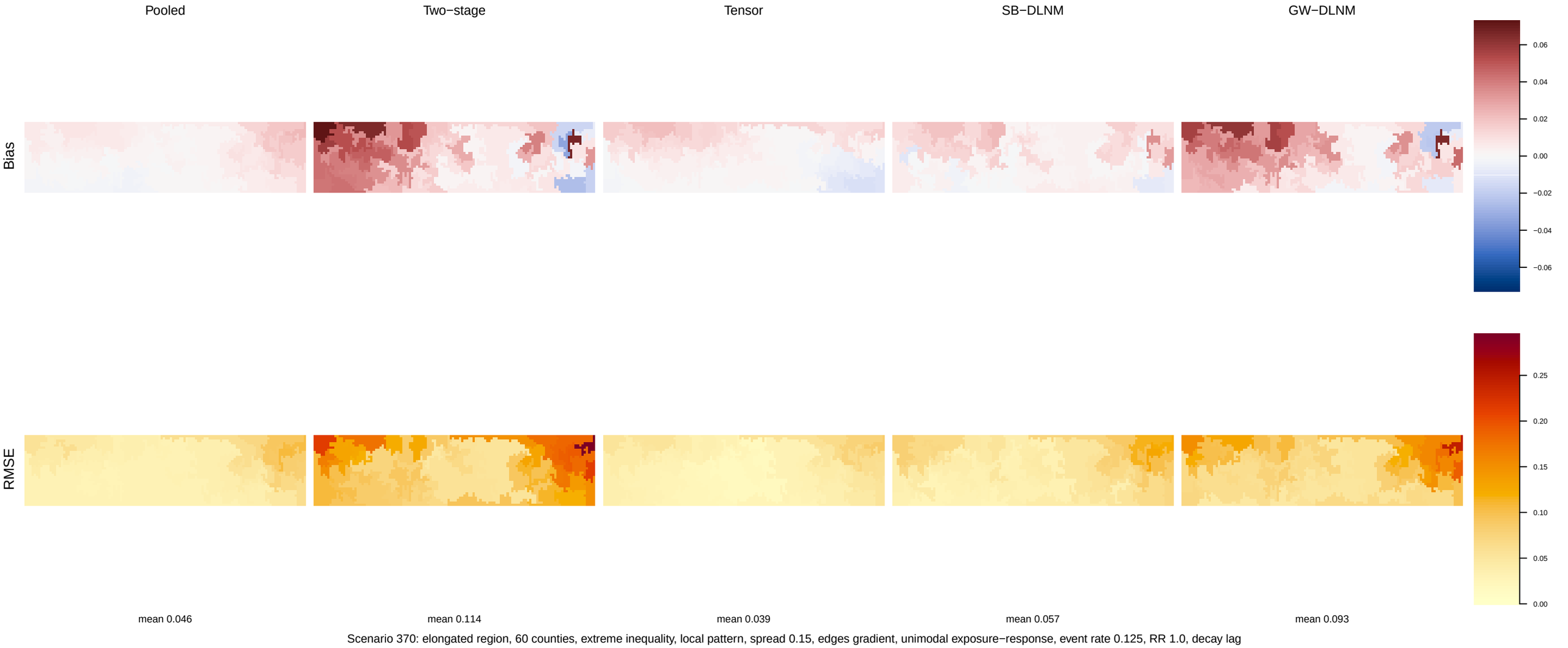
Scenario 178: elongated region, 60 counties, extreme inequality, regional pattern, spread 0.00, NS gradient, threshold exposure−response, event rate 2, RR 1.0, decay lag



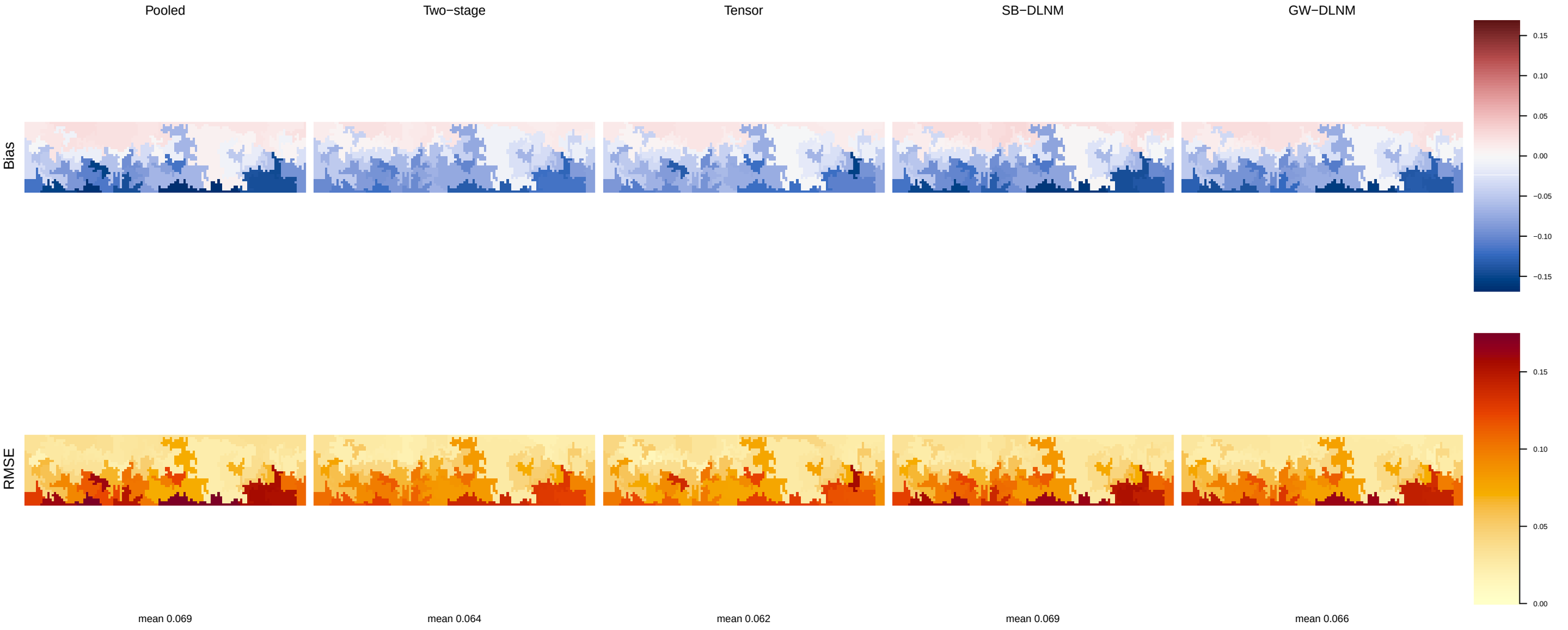
Scenario 242: elongated region, 60 counties, extreme inequality, boundary pattern, spread 0.00, ridge gradient, threshold exposure−response, event rate 8, RR 1.6, short lag



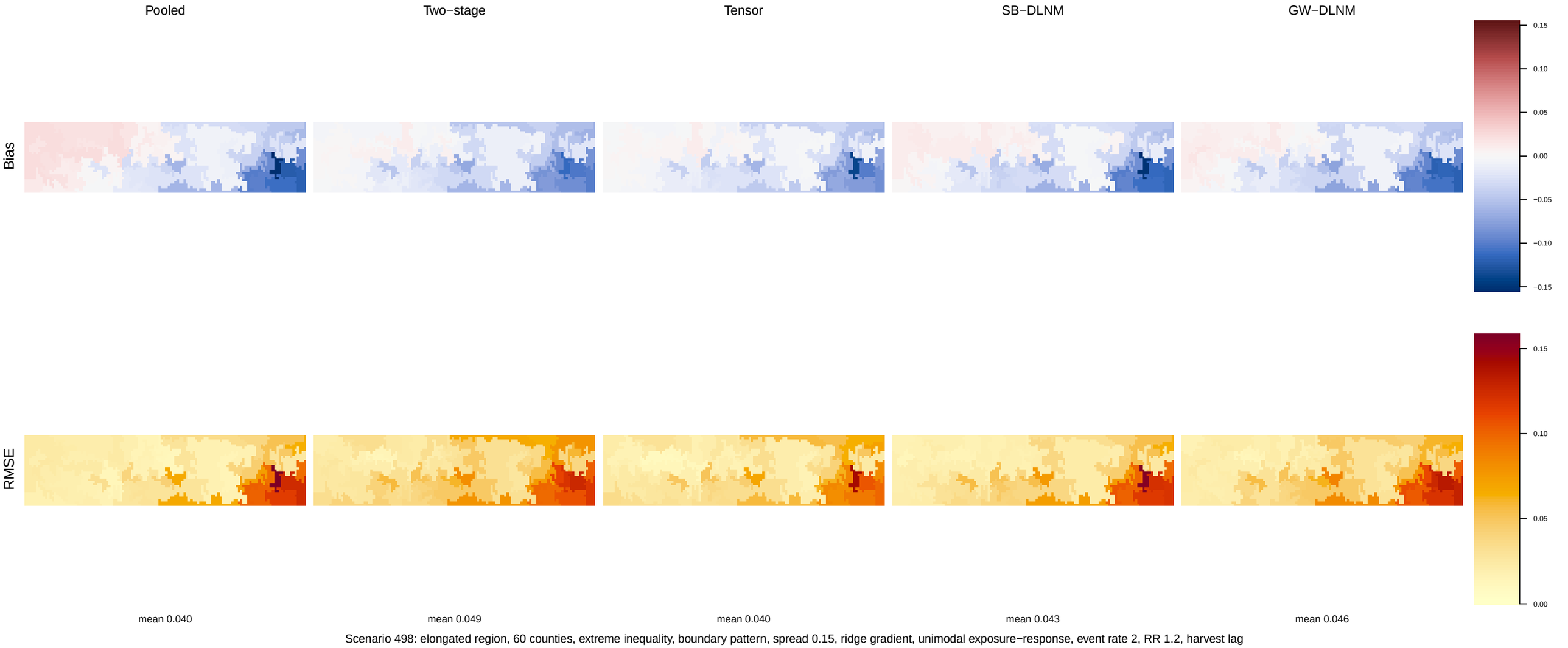
Scenario 50: elongated region, 60 counties, extreme inequality, independent pattern, spread 0.00, valley gradient, threshold exposure−response, event rate 0.125, RR 1.2, harvest lag



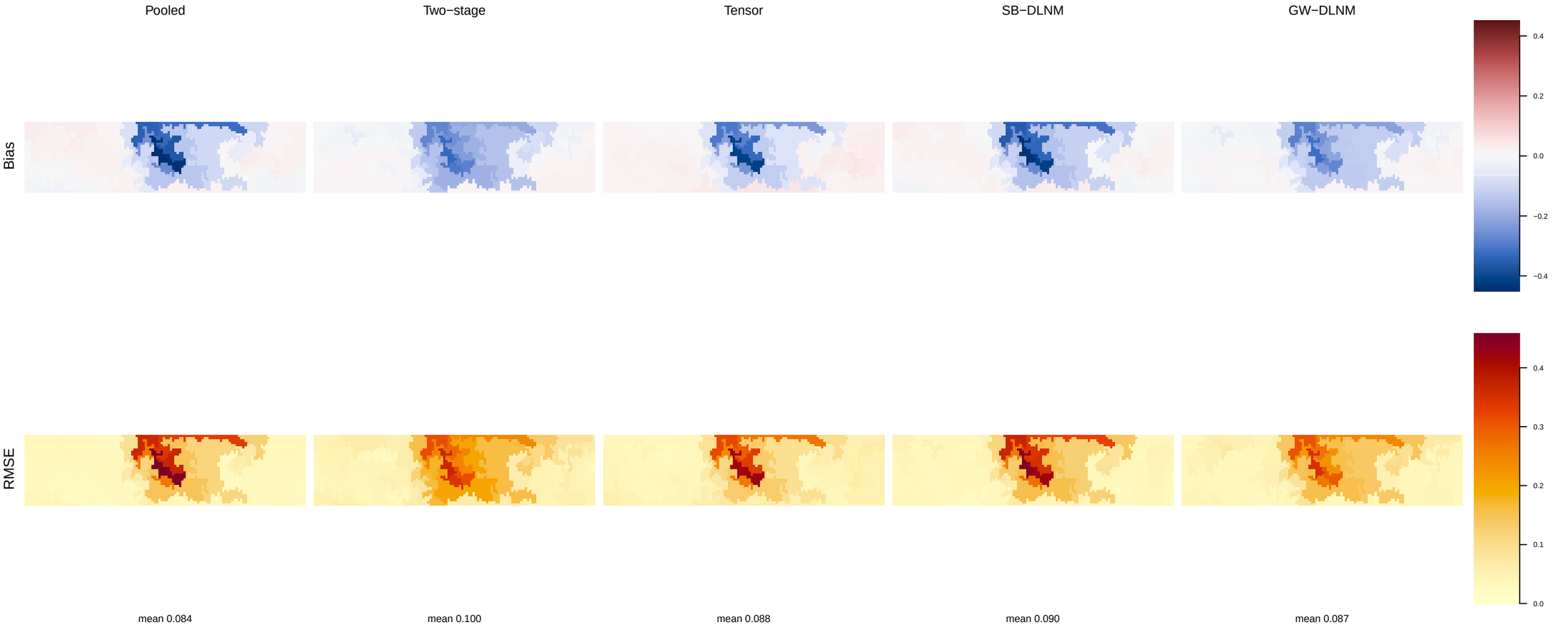
Scenario 370: elongated region, 60 counties, extreme inequality, local pattern, spread 0.15, edges gradient, unimodal exposure−response, event rate 0.125, RR 1.0, decay lag



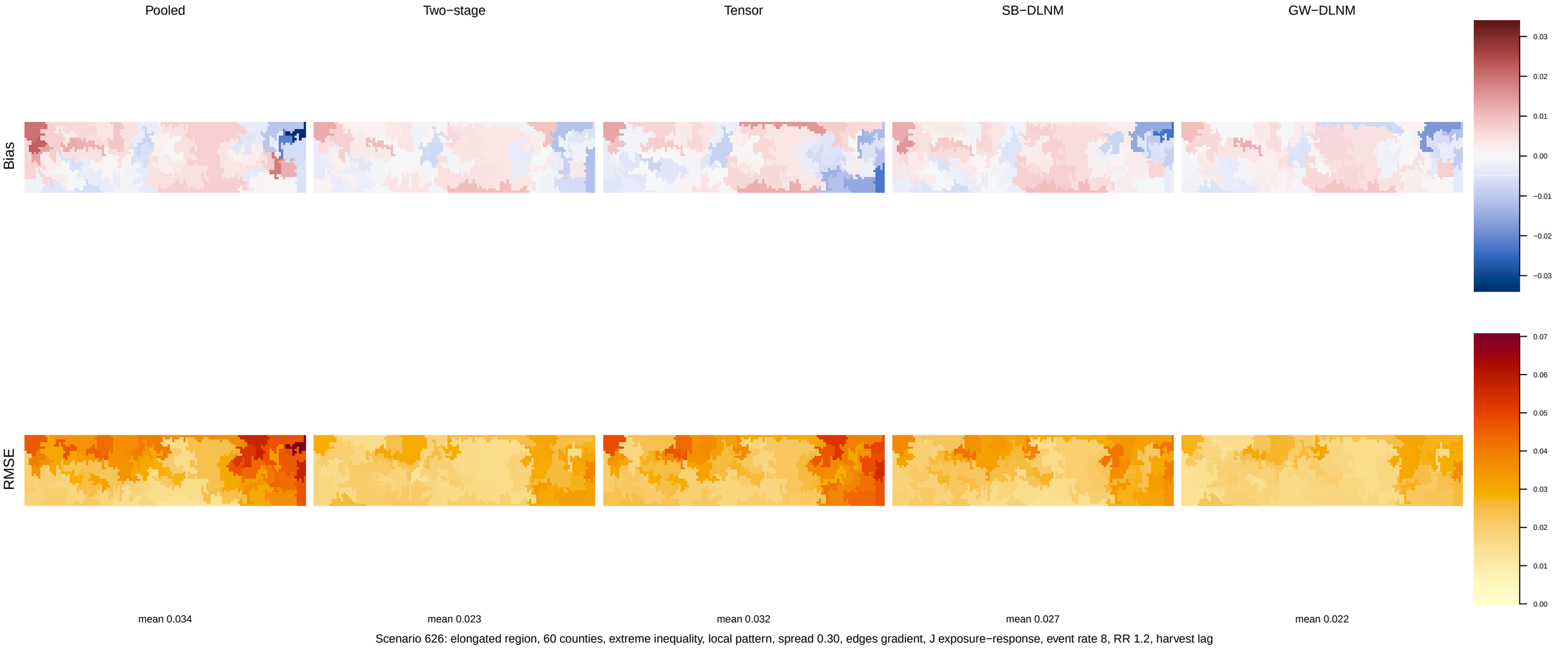
Scenario 434: elongated region, 60 counties, extreme inequality, regional pattern, spread 0.15, NS gradient, unimodal exposure−response, event rate 8, RR 1.4, delayed lag



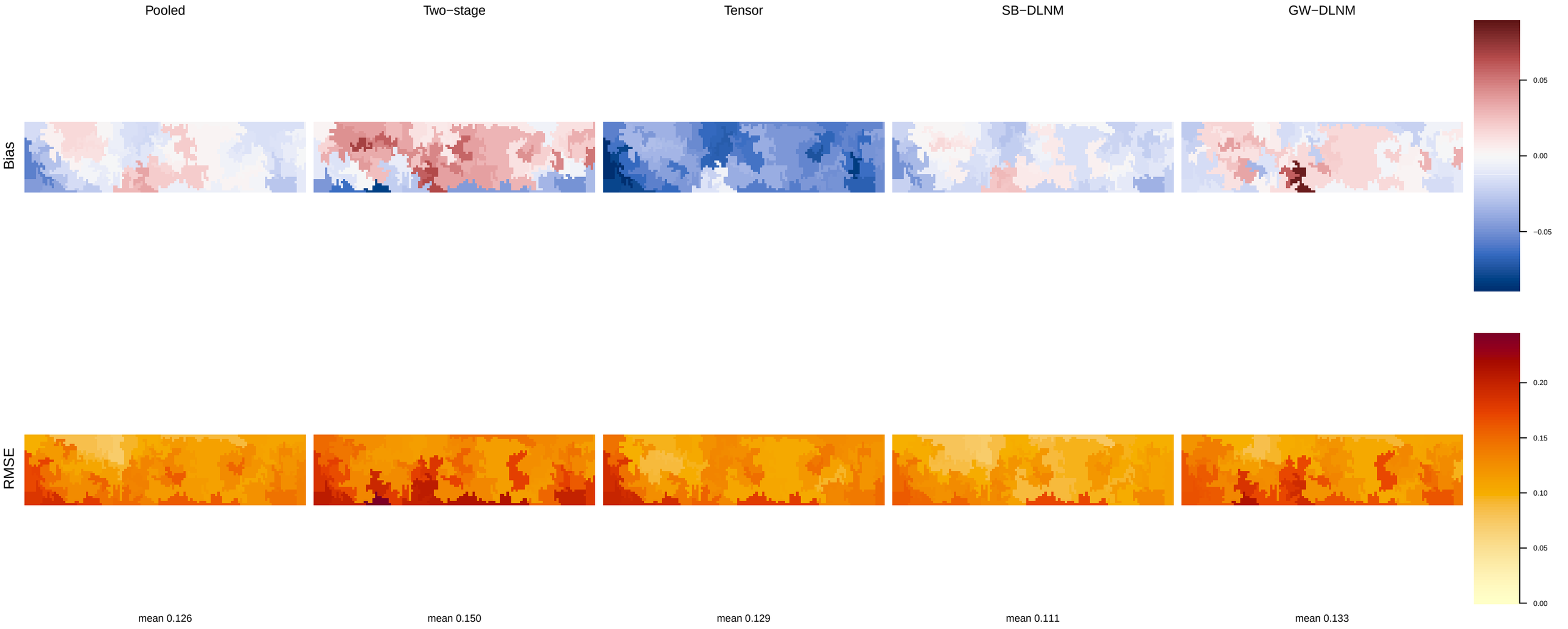
Scenario 498: elongated region, 60 counties, extreme inequality, boundary pattern, spread 0.15, ridge gradient, unimodal exposure−response, event rate 2, RR 1.2, harvest lag



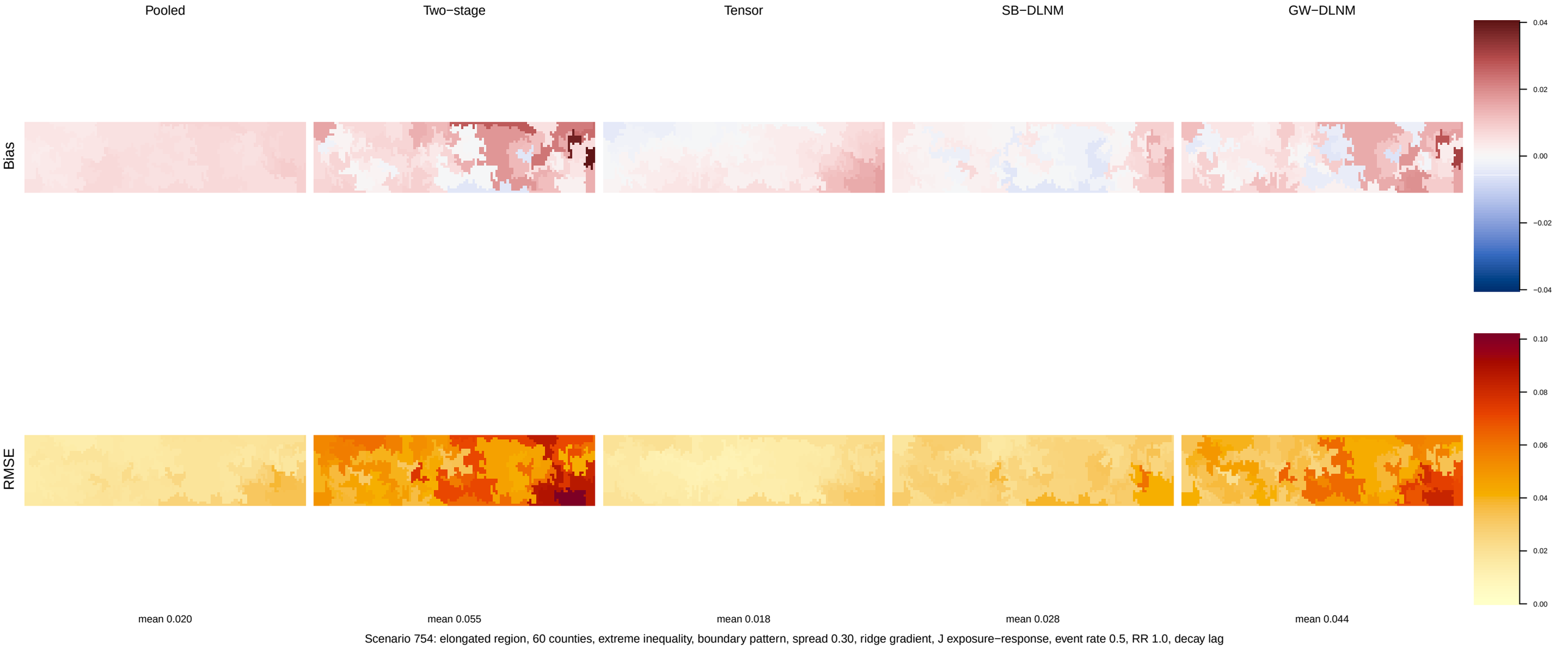
Scenario 306: elongated region, 60 counties, extreme inequality, independent pattern, spread 0.15, valley gradient, unimodal exposure−response, event rate 0.5, RR 1.6, short lag



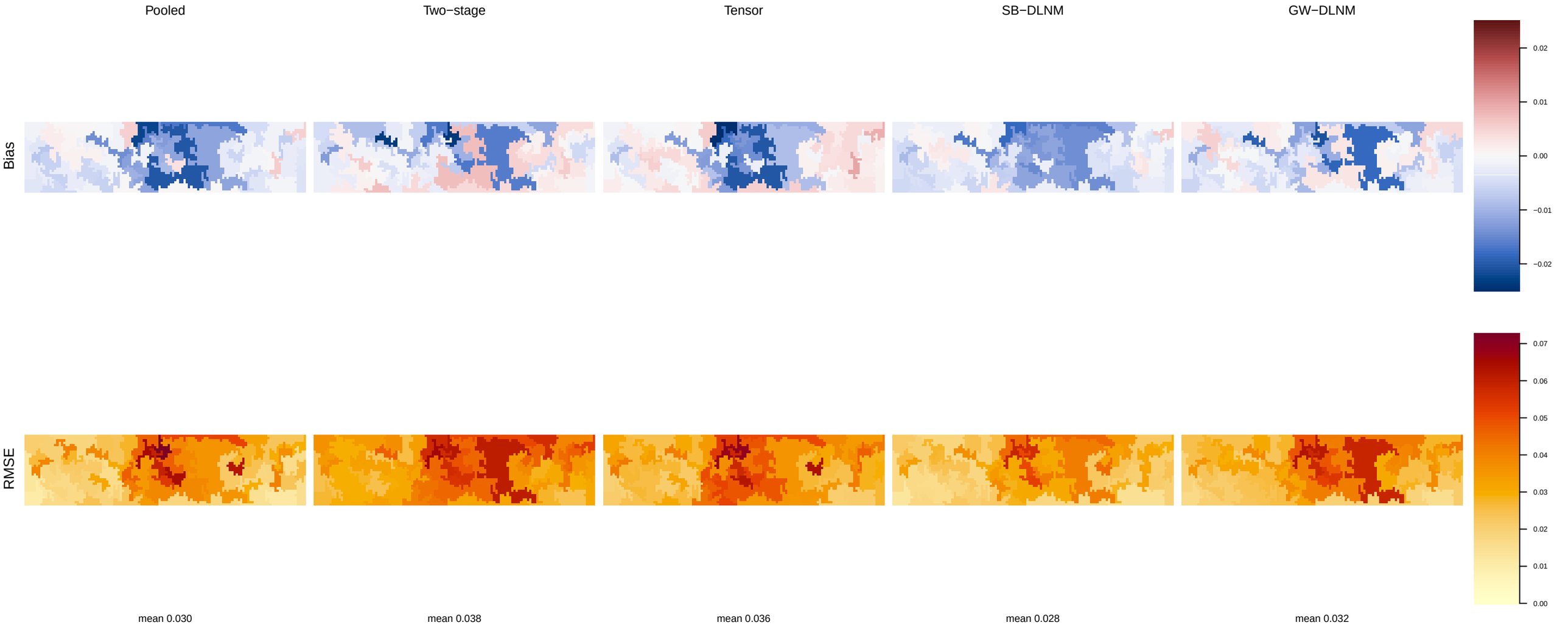
Scenario 626: elongated region, 60 counties, extreme inequality, local pattern, spread 0.30, edges gradient, J exposure−response, event rate 8, RR 1.2, harvest lag



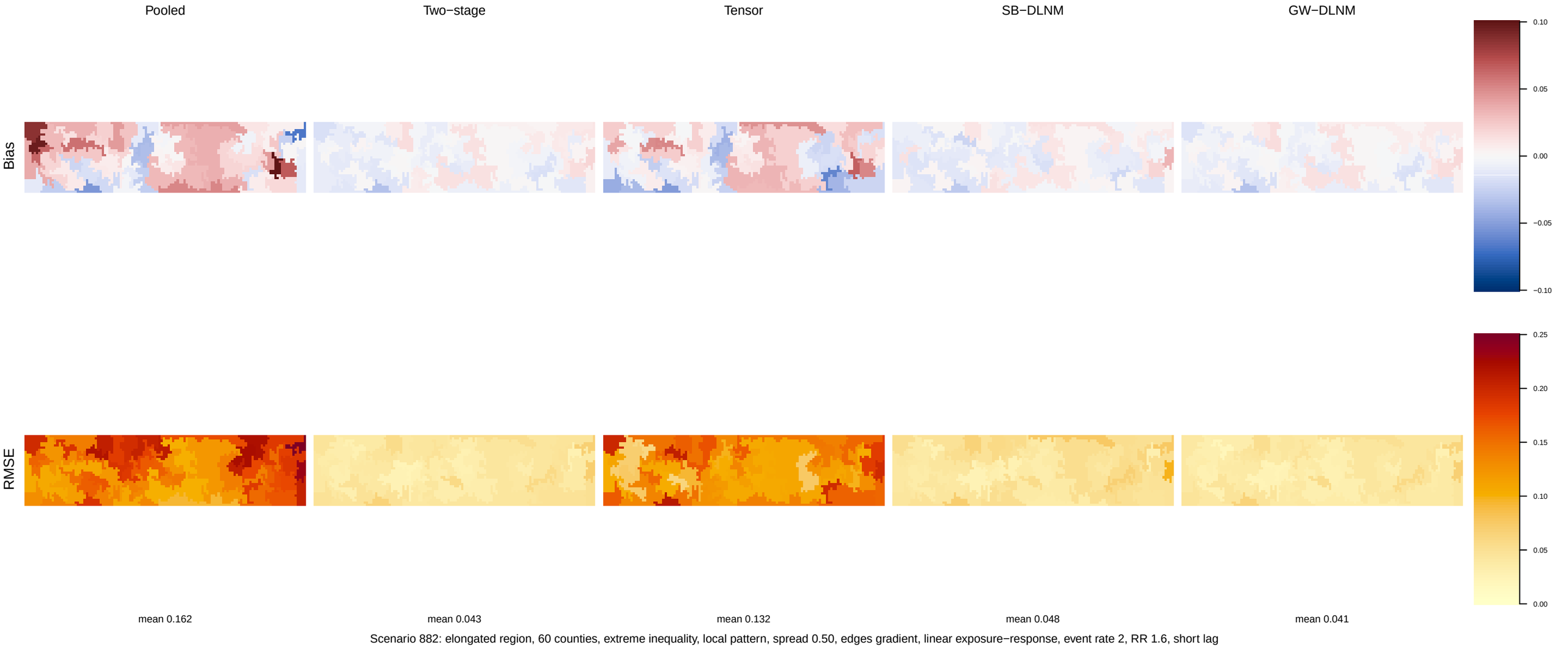
Scenario 690: elongated region, 60 counties, extreme inequality, regional pattern, spread 0.30, NS gradient, J exposure−response, event rate 0.125, RR 1.6, short lag



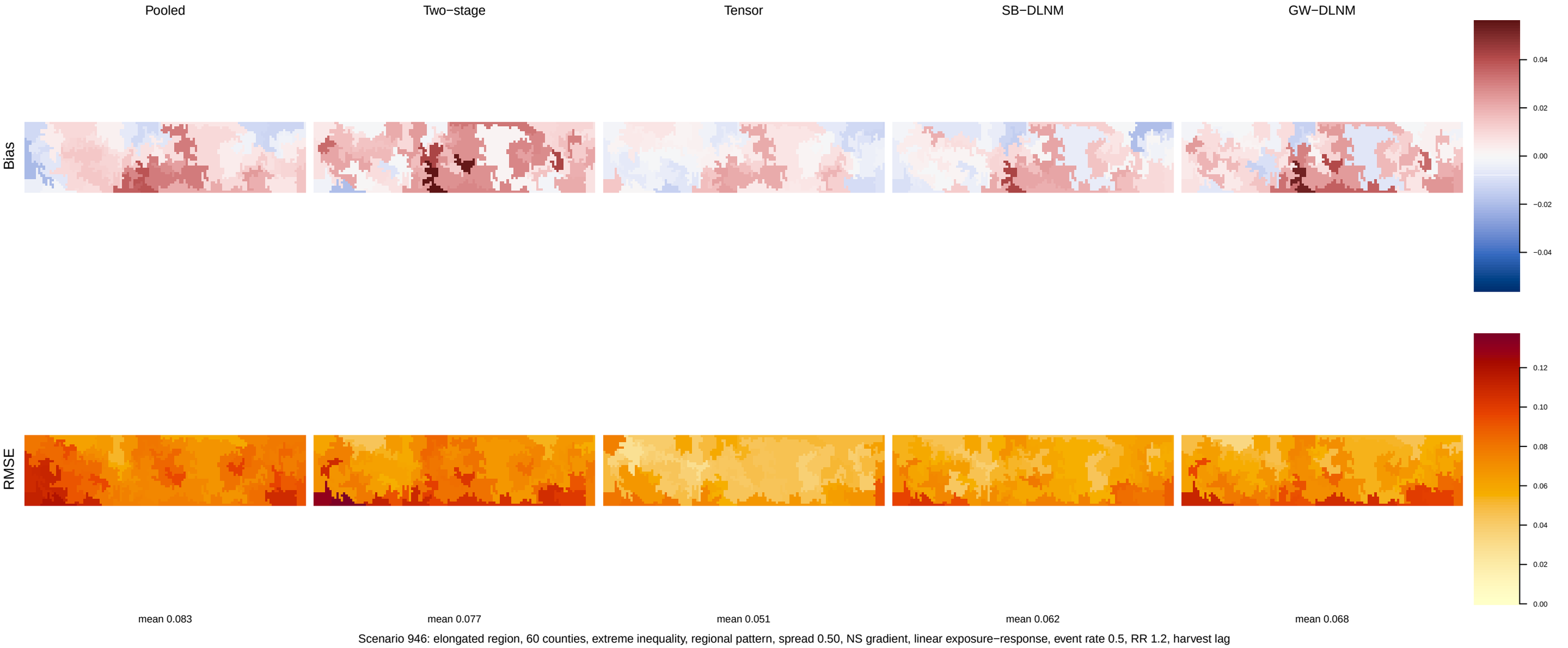
Scenario 754: elongated region, 60 counties, extreme inequality, boundary pattern, spread 0.30, ridge gradient, J exposure−response, event rate 0.5, RR 1.0, decay lag



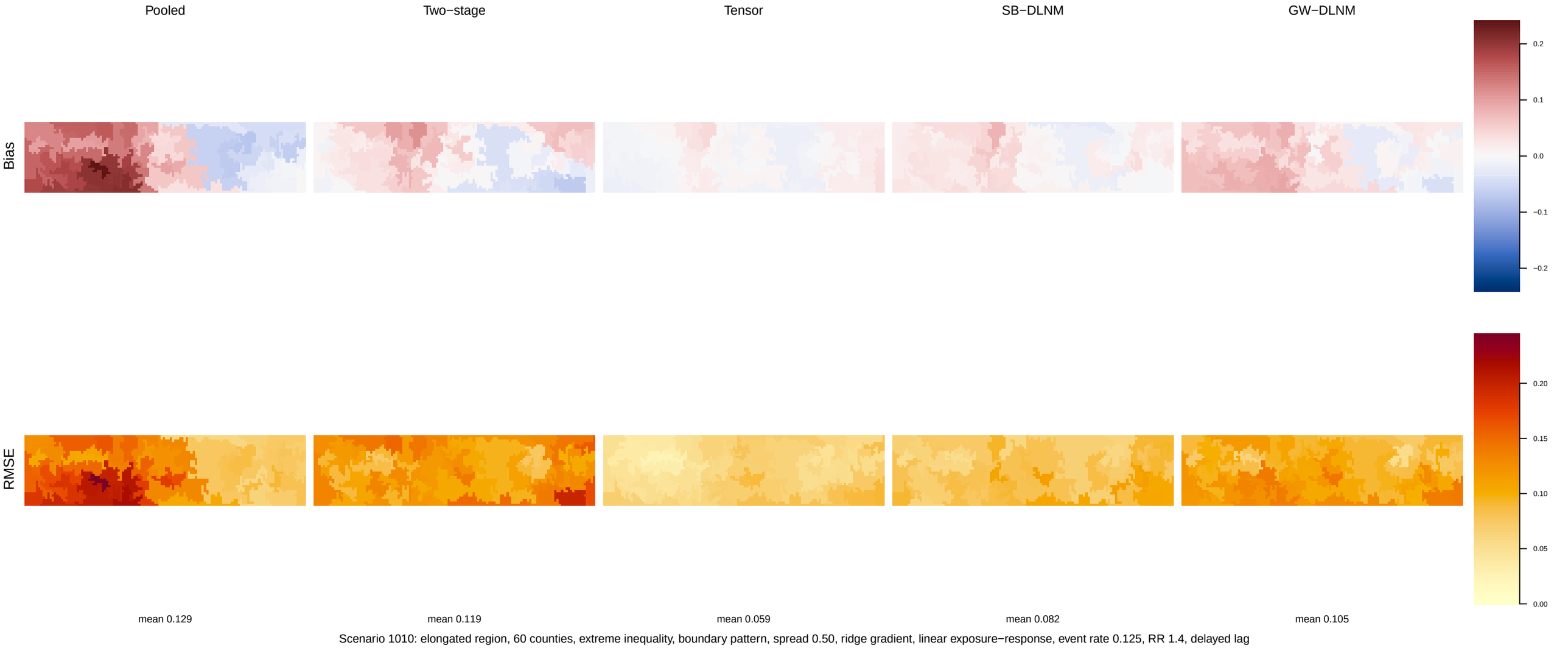
Scenario 562: elongated region, 60 counties, extreme inequality, independent pattern, spread 0.30, valley gradient, J exposure−response, event rate 2, RR 1.4, delayed lag



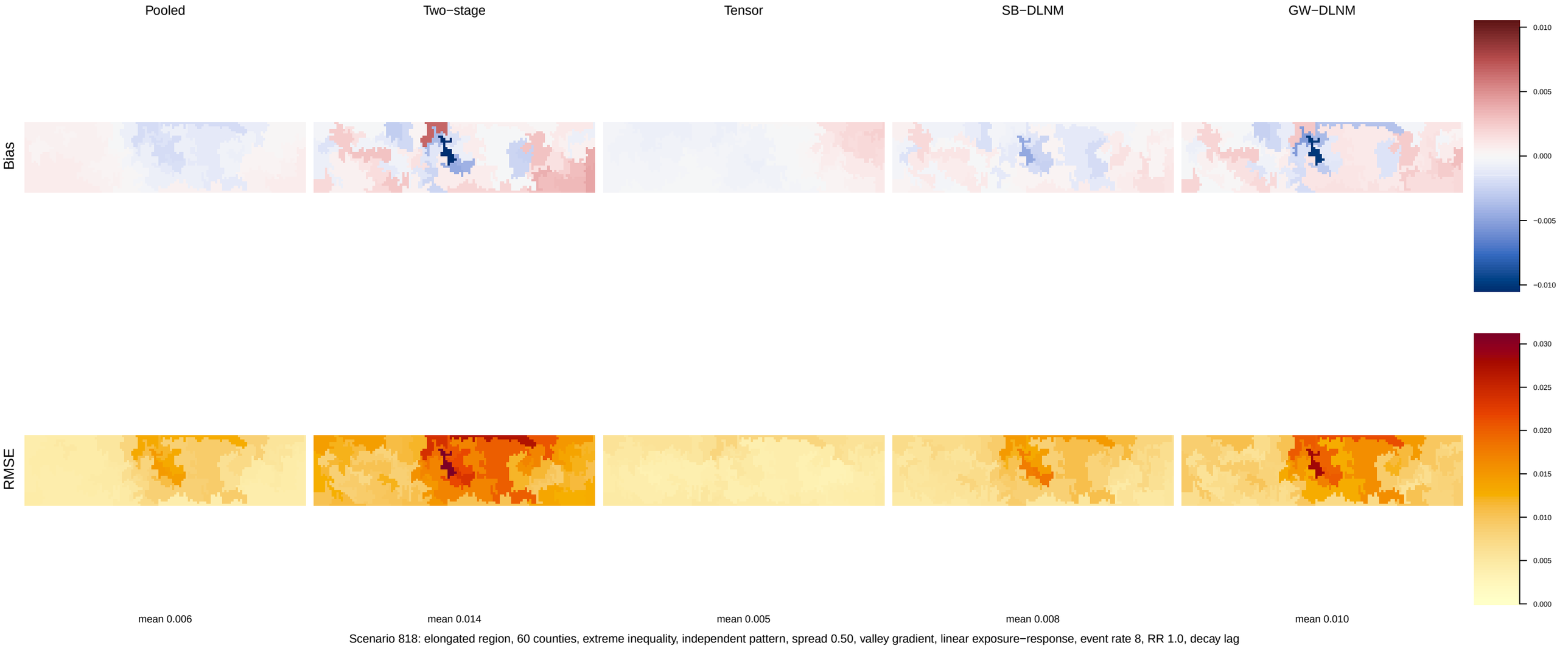
Scenario 882: elongated region, 60 counties, extreme inequality, local pattern, spread 0.50, edges gradient, linear exposure−response, event rate 2, RR 1.6, short lag



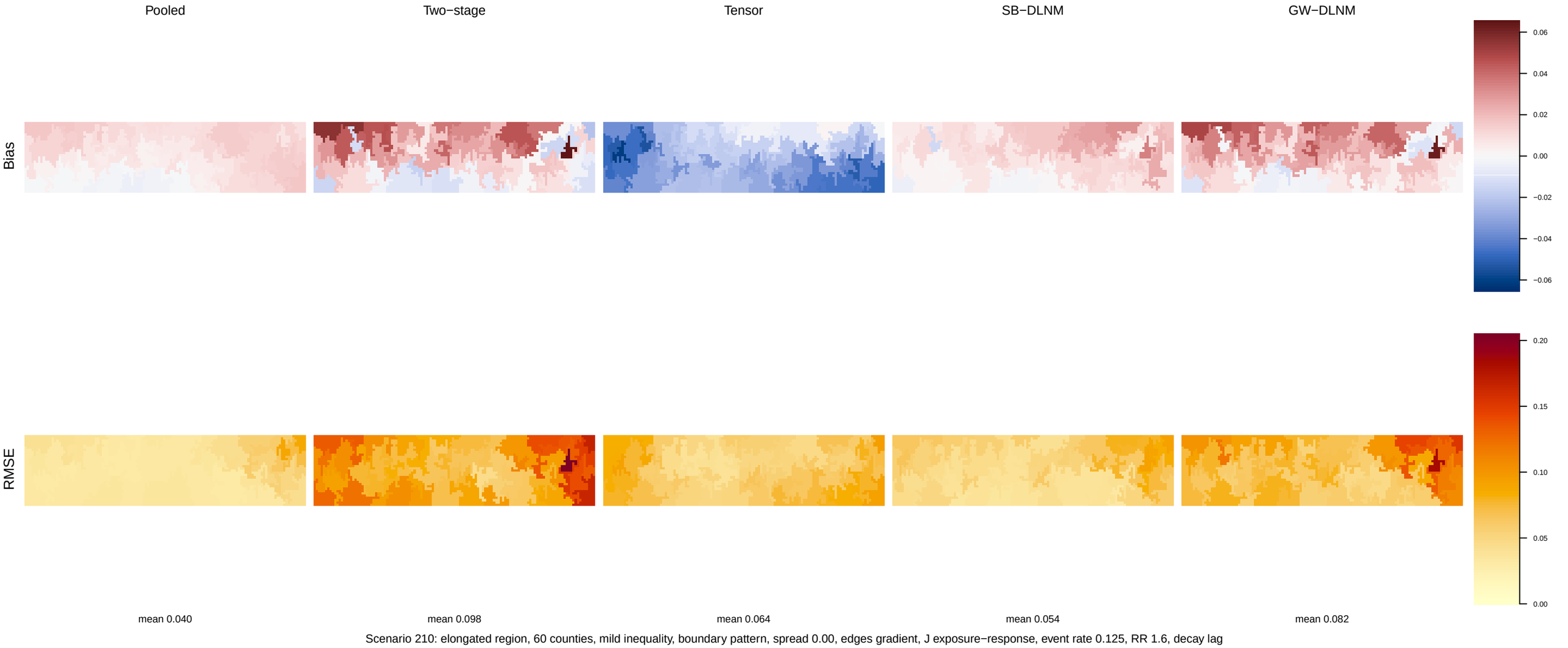
Scenario 946: elongated region, 60 counties, extreme inequality, regional pattern, spread 0.50, NS gradient, linear exposure−response, event rate 0.5, RR 1.2, harvest lag



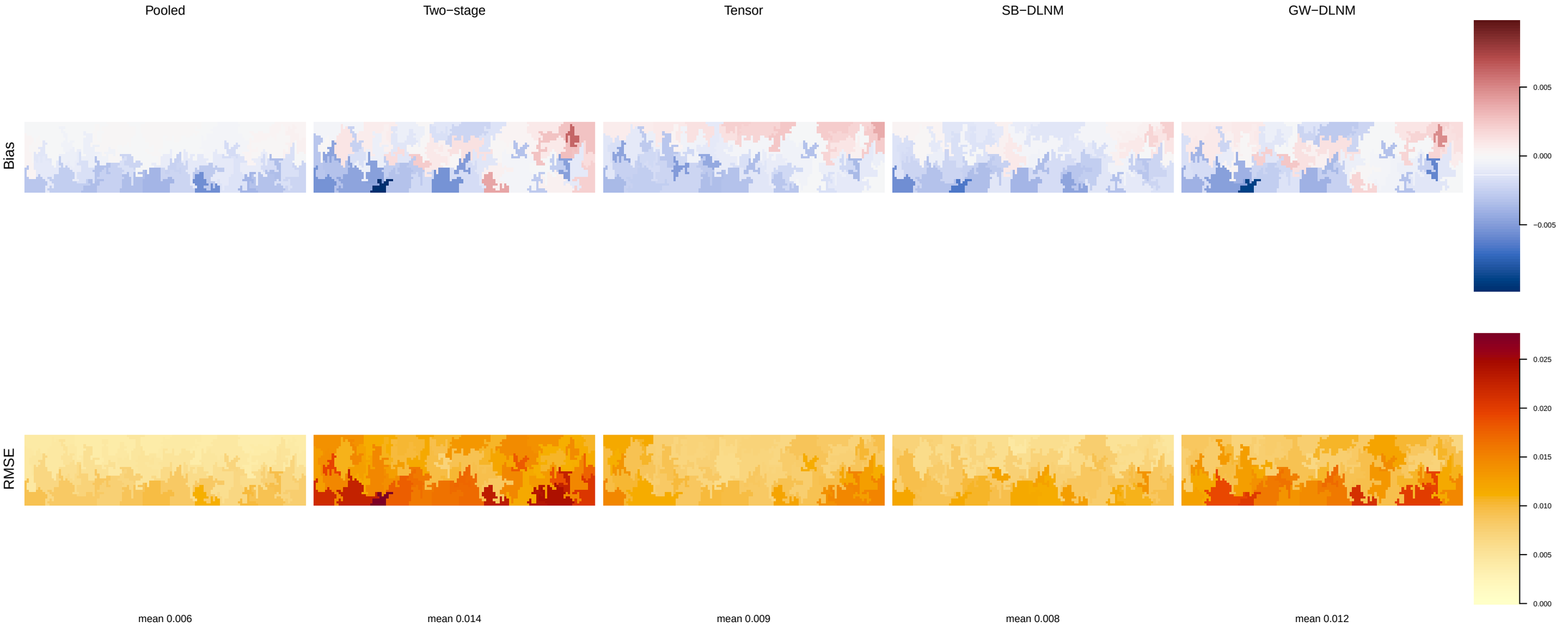
Scenario 1010: elongated region, 60 counties, extreme inequality, boundary pattern, spread 0.50, ridge gradient, linear exposure−response, event rate 0.125, RR 1.4, delayed lag



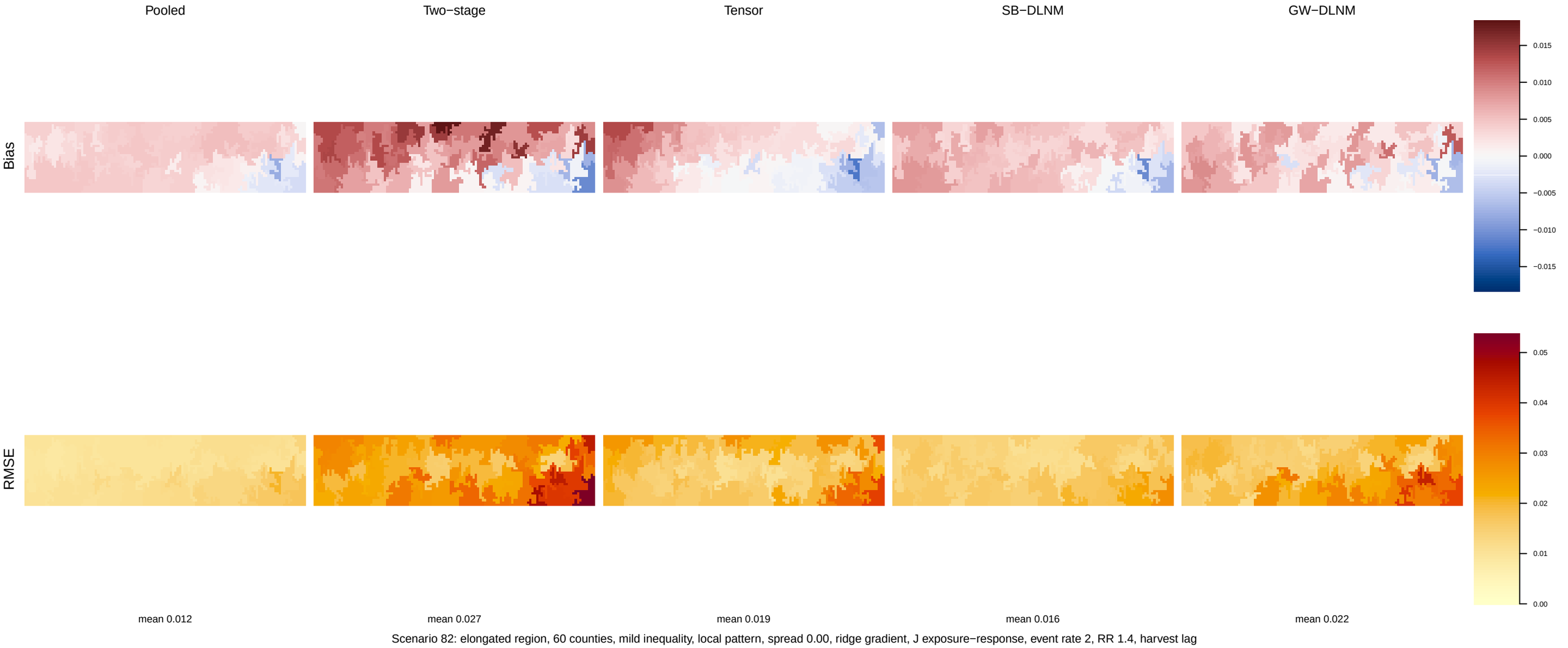
Scenario 818: elongated region, 60 counties, extreme inequality, independent pattern, spread 0.50, valley gradient, linear exposure−response, event rate 8, RR 1.0, decay lag



Scenario 210: elongated region, 60 counties, mild inequality, boundary pattern, spread 0.00, edges gradient, J exposure−response, event rate 0.125, RR 1.6, decay lag



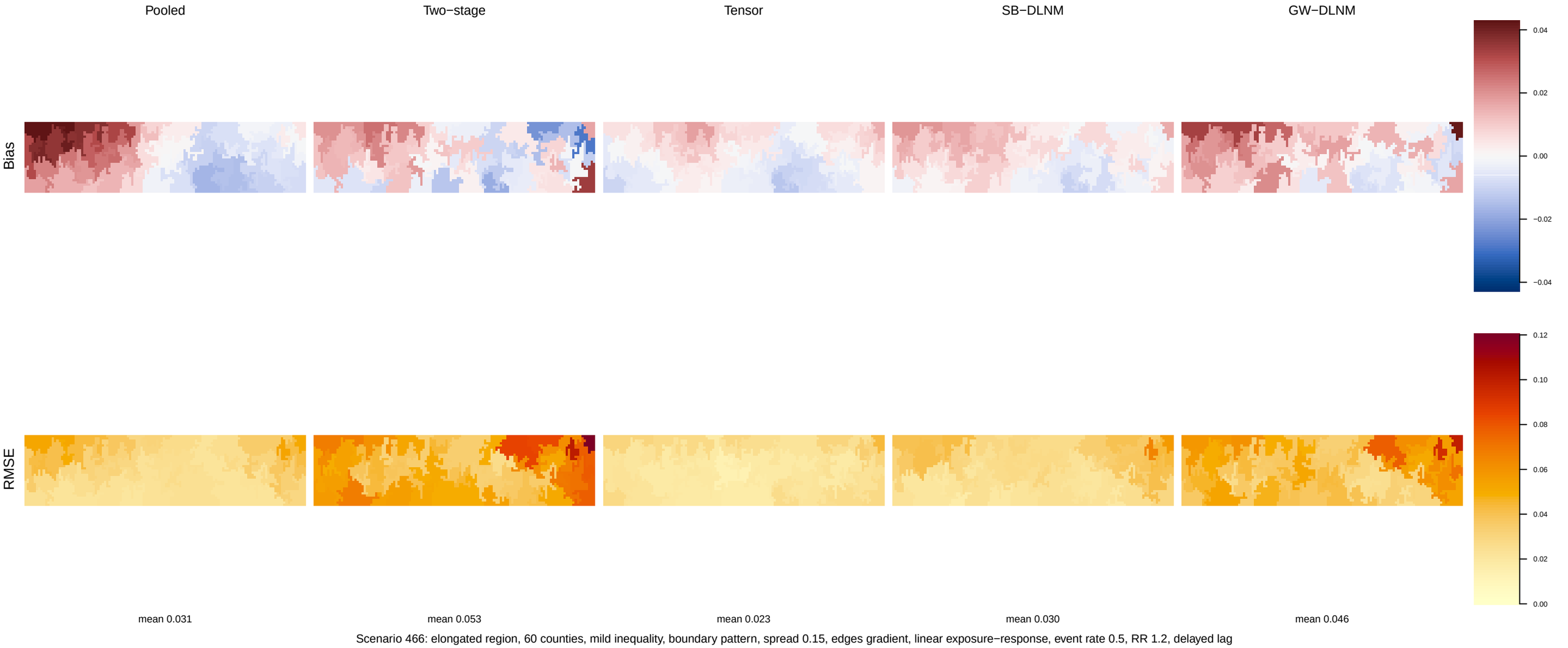
Scenario 18: elongated region, 60 counties, mild inequality, independent pattern, spread 0.00, NS gradient, J exposure−response, event rate 8, RR 1.2, delayed lag



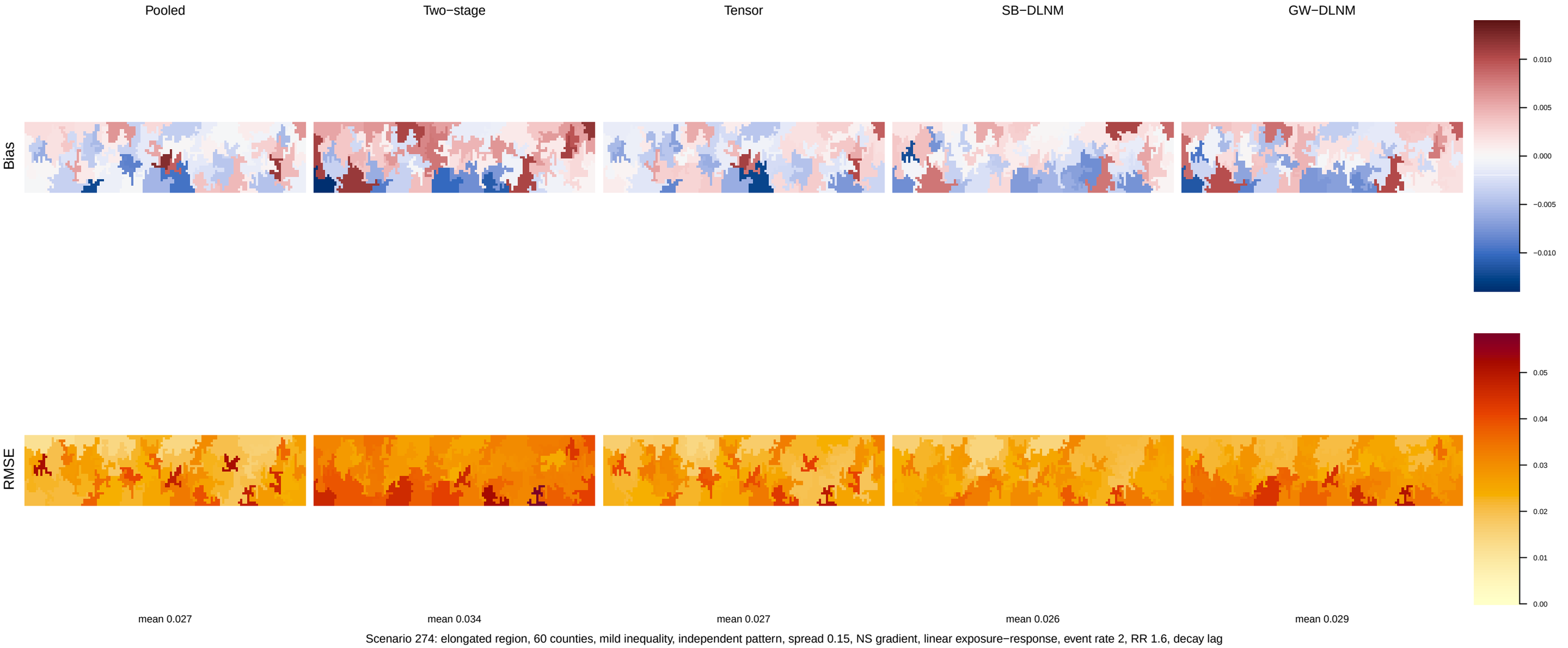
Scenario 82: elongated region, 60 counties, mild inequality, local pattern, spread 0.00, ridge gradient, J exposure−response, event rate 2, RR 1.4, harvest lag



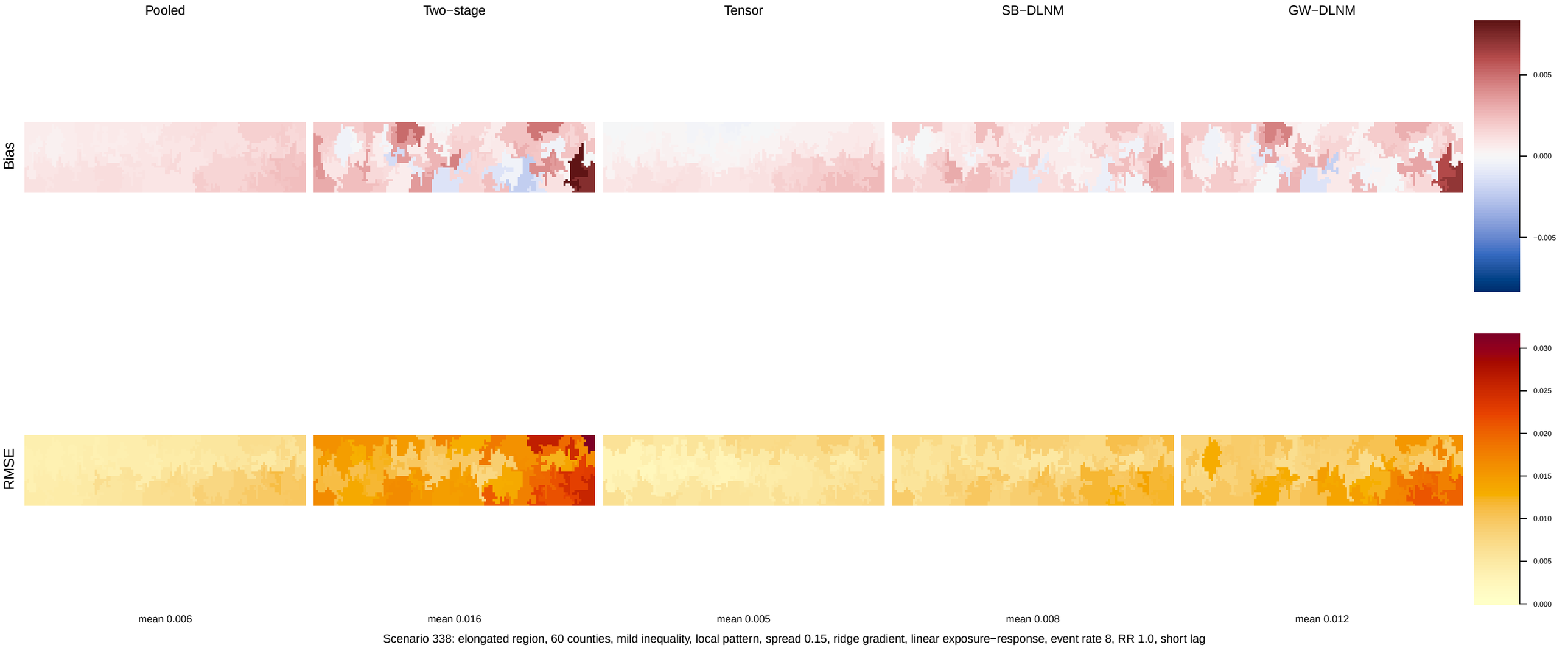
Scenario 146: elongated region, 60 counties, mild inequality, regional pattern, spread 0.00, valley gradient, J exposure−response, event rate 0.5, RR 1.0, short lag



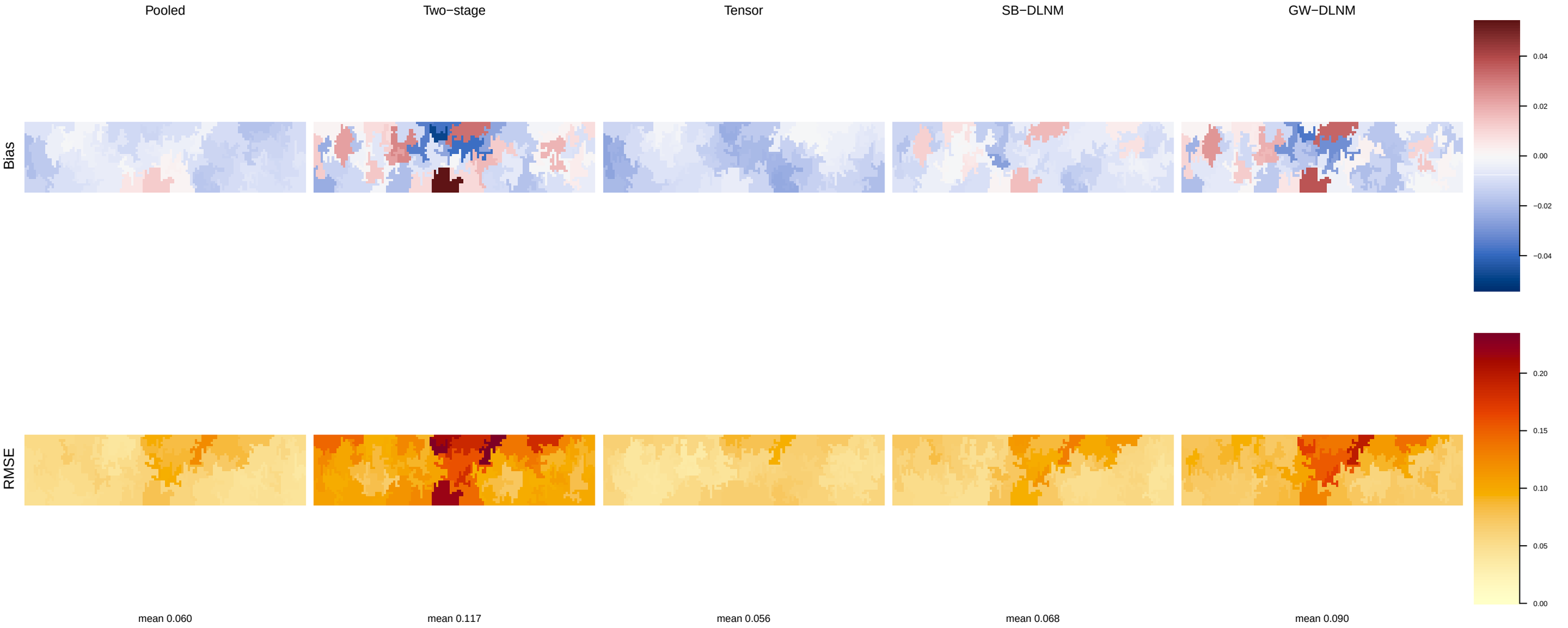
Scenario 466: elongated region, 60 counties, mild inequality, boundary pattern, spread 0.15, edges gradient, linear exposure−response, event rate 0.5, RR 1.2, delayed lag



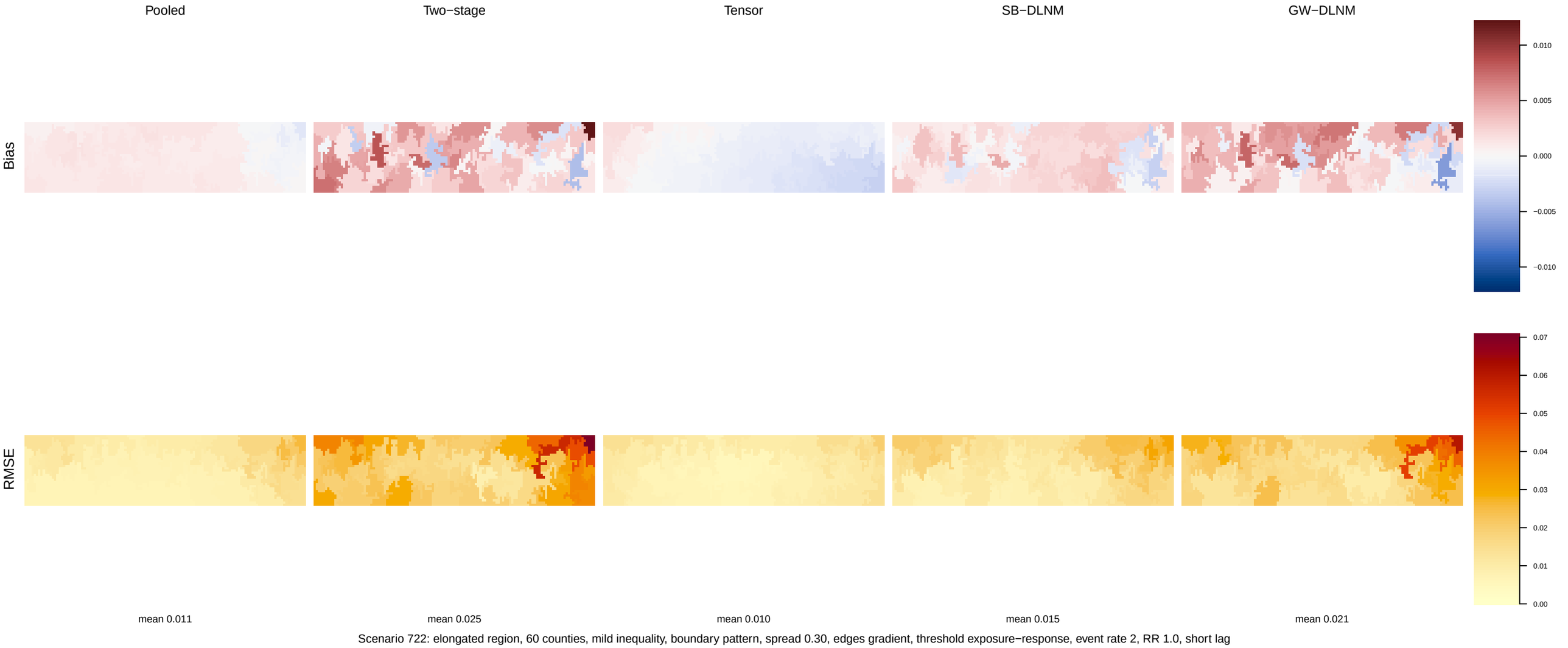
Scenario 274: elongated region, 60 counties, mild inequality, independent pattern, spread 0.15, NS gradient, linear exposure−response, event rate 2, RR 1.6, decay lag



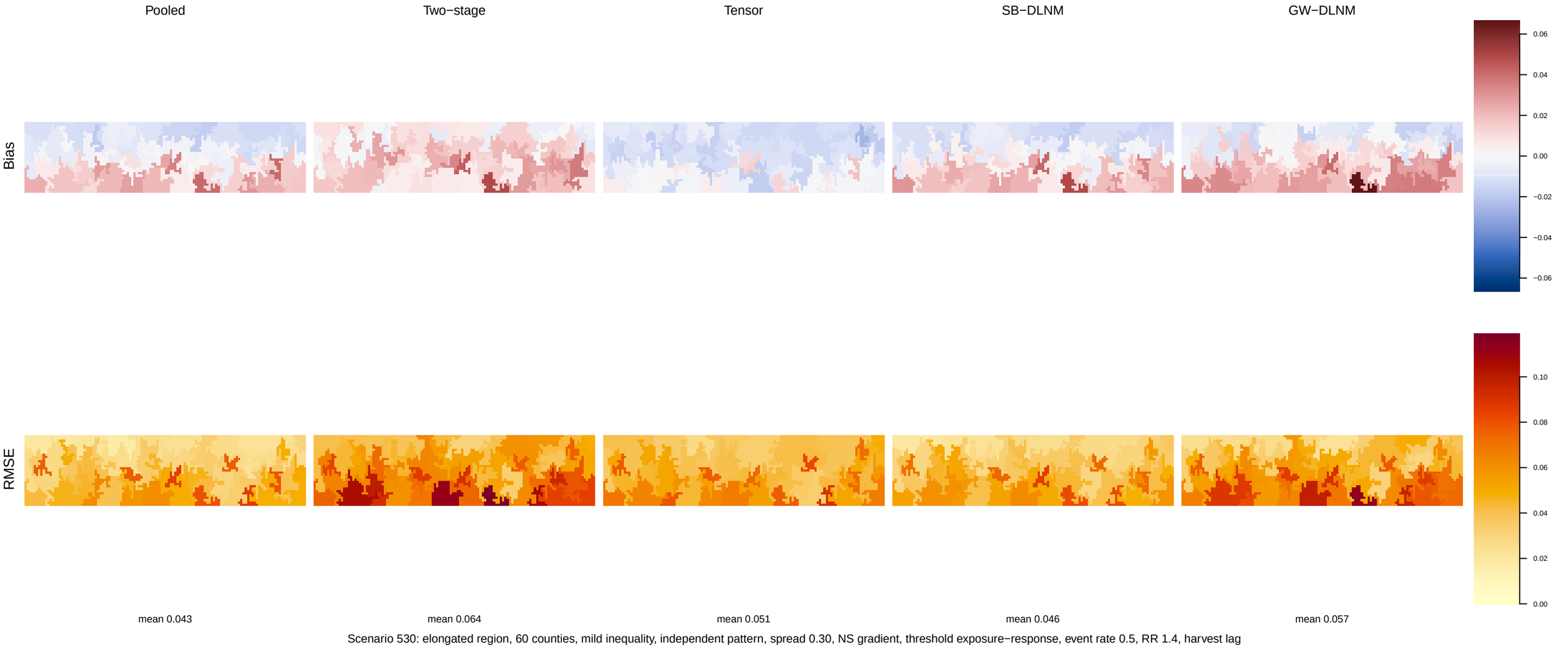
Scenario 338: elongated region, 60 counties, mild inequality, local pattern, spread 0.15, ridge gradient, linear exposure−response, event rate 8, RR 1.0, short lag



Scenario 402: elongated region, 60 counties, mild inequality, regional pattern, spread 0.15, valley gradient, linear exposure−response, event rate 0.125, RR 1.4, harvest lag



Scenario 722: elongated region, 60 counties, mild inequality, boundary pattern, spread 0.30, edges gradient, threshold exposure−response, event rate 2, RR 1.0, short lag



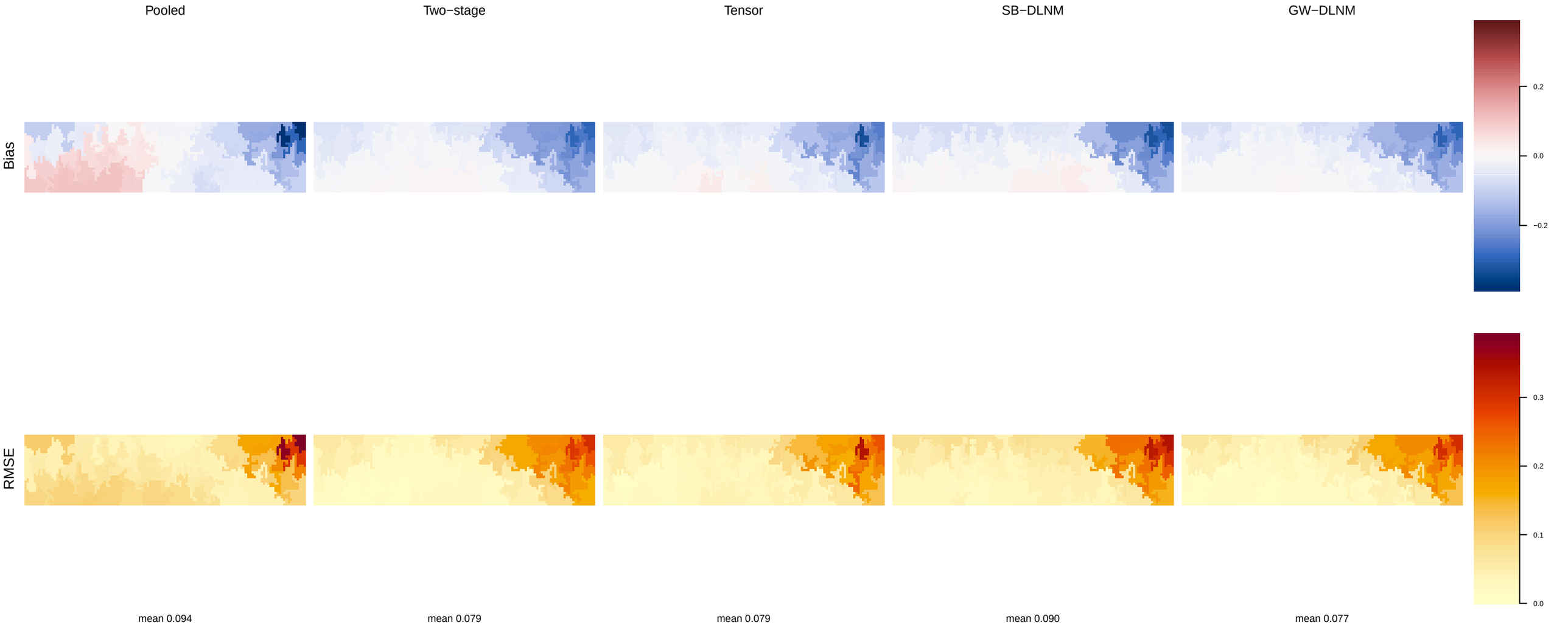
Scenario 530: elongated region, 60 counties, mild inequality, independent pattern, spread 0.30, NS gradient, threshold exposure−response, event rate 0.5, RR 1.4, harvest lag



Scenario 594: elongated region, 60 counties, mild inequality, local pattern, spread 0.30, ridge gradient, threshold exposure−response, event rate 0.125, RR 1.2, delayed lag



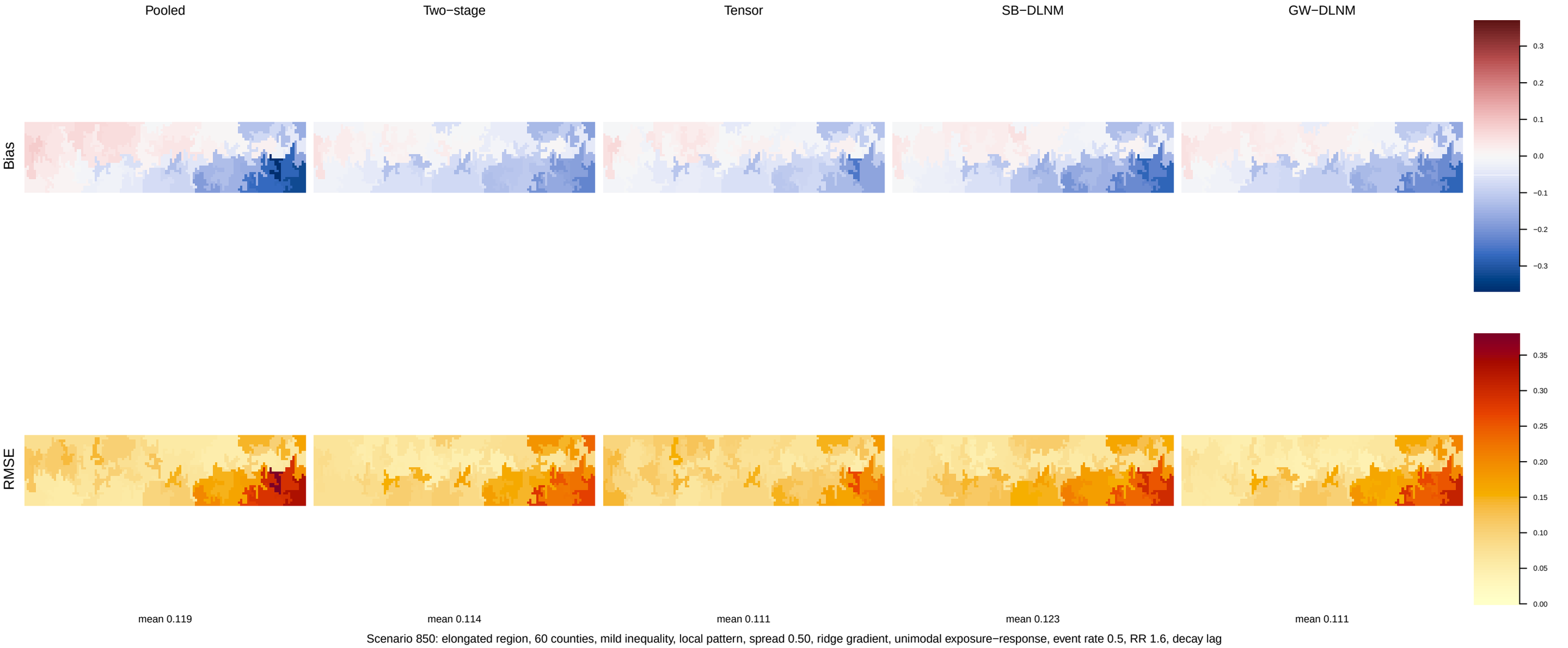
Scenario 658: elongated region, 60 counties, mild inequality, regional pattern, spread 0.30, valley gradient, threshold exposure−response, event rate 8, RR 1.6, decay lag

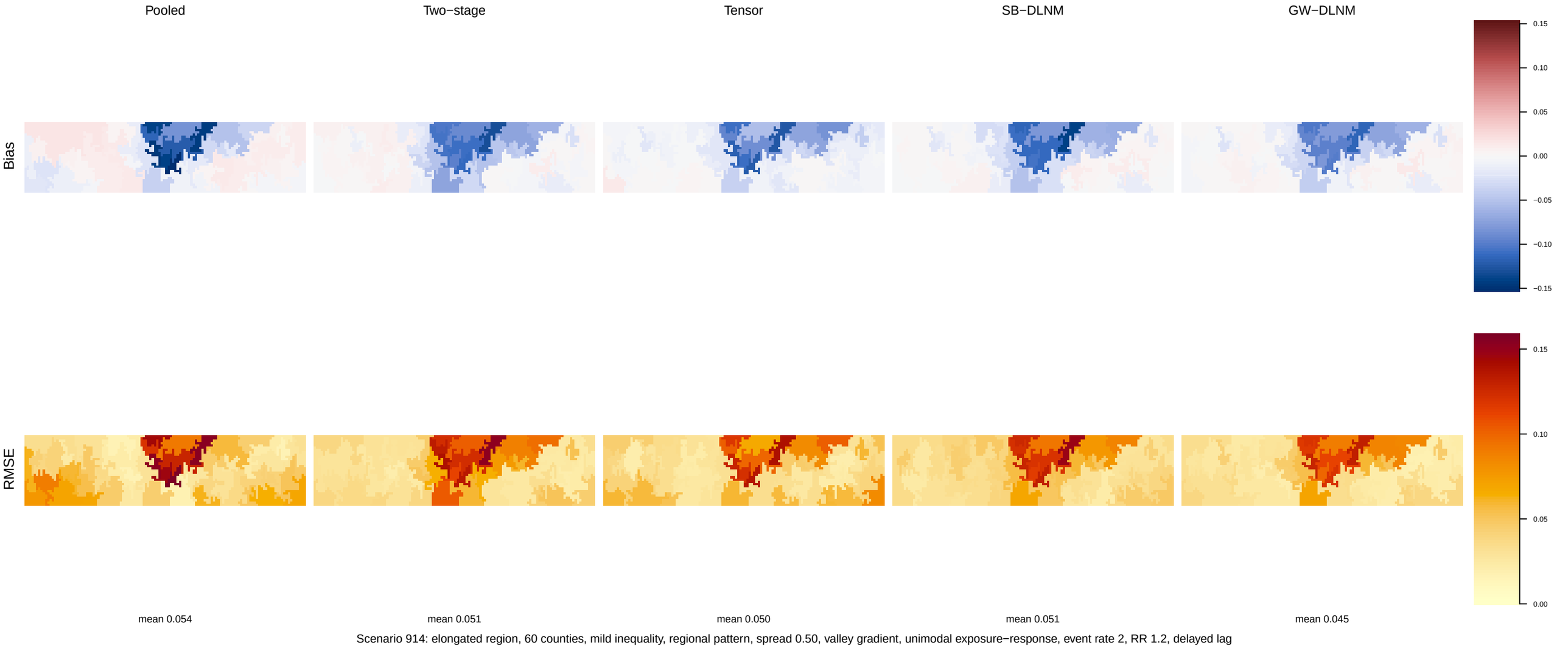


Scenario 978: elongated region, 60 counties, mild inequality, boundary pattern, spread 0.50, edges gradient, unimodal exposure−response, event rate 8, RR 1.4, harvest lag

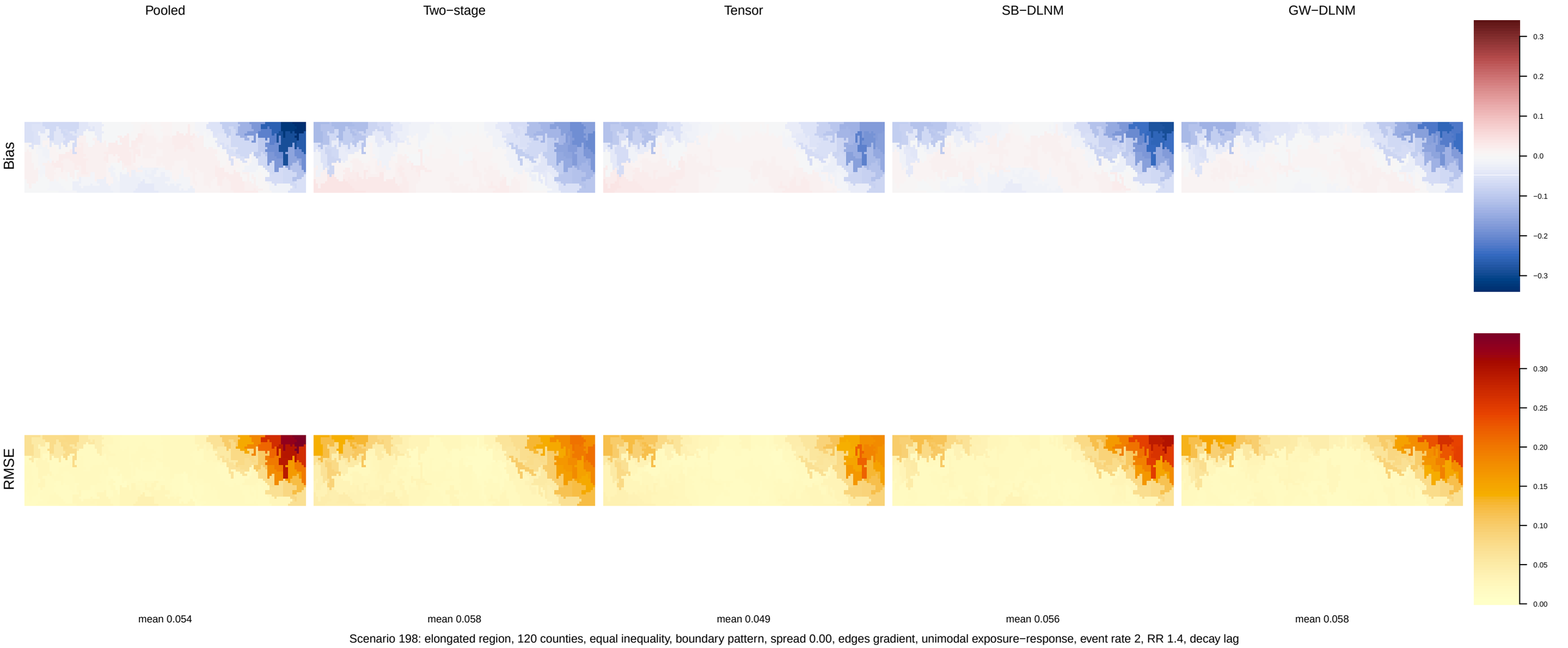


Scenario 786: elongated region, 60 counties, mild inequality, independent pattern, spread 0.50, NS gradient, unimodal exposure−response, event rate 0.125, RR 1.0, short lag

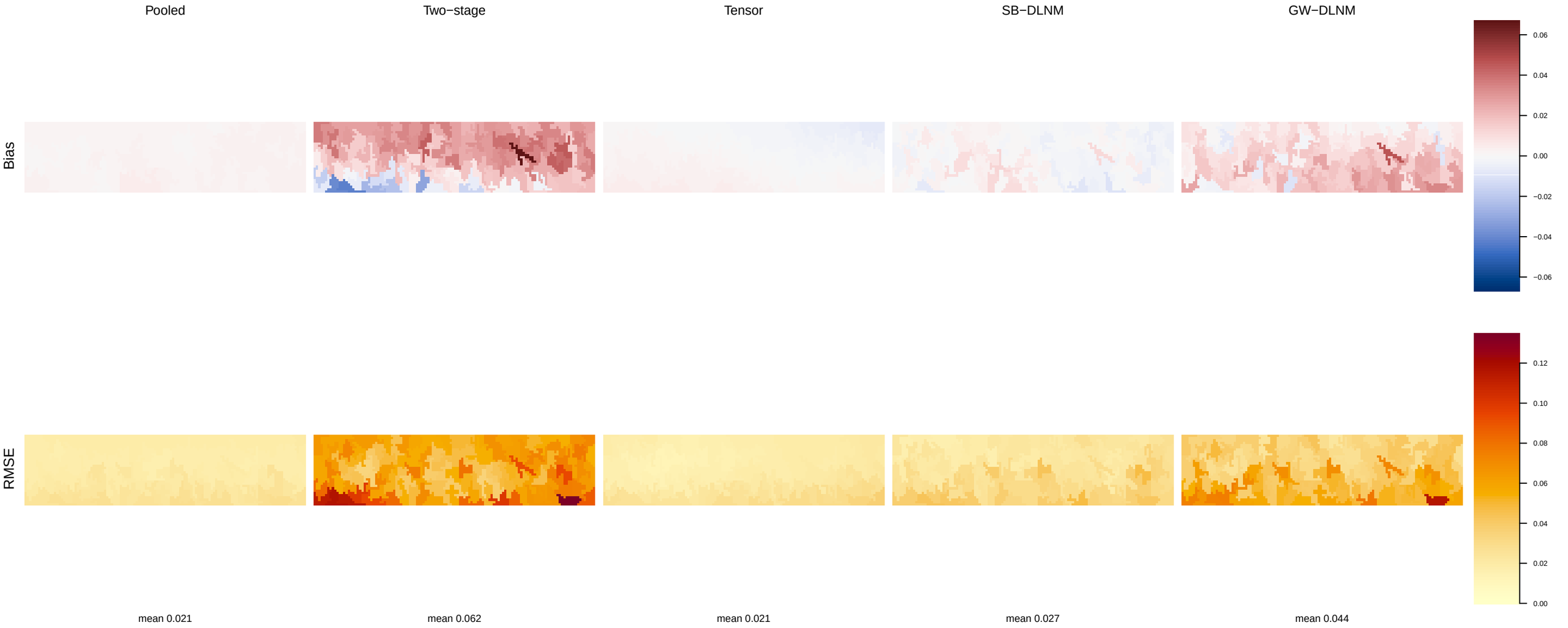

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
mean 0.119
mean 0.114
mean 0.111
mean 0.123
mean 0.111
Scenario 850: elongated region, 60 counties, mild inequality, local pattern, spread 0.50, ridge gradient, unimodal exposure−response, event rate 0.5, RR 1.6, decay lag



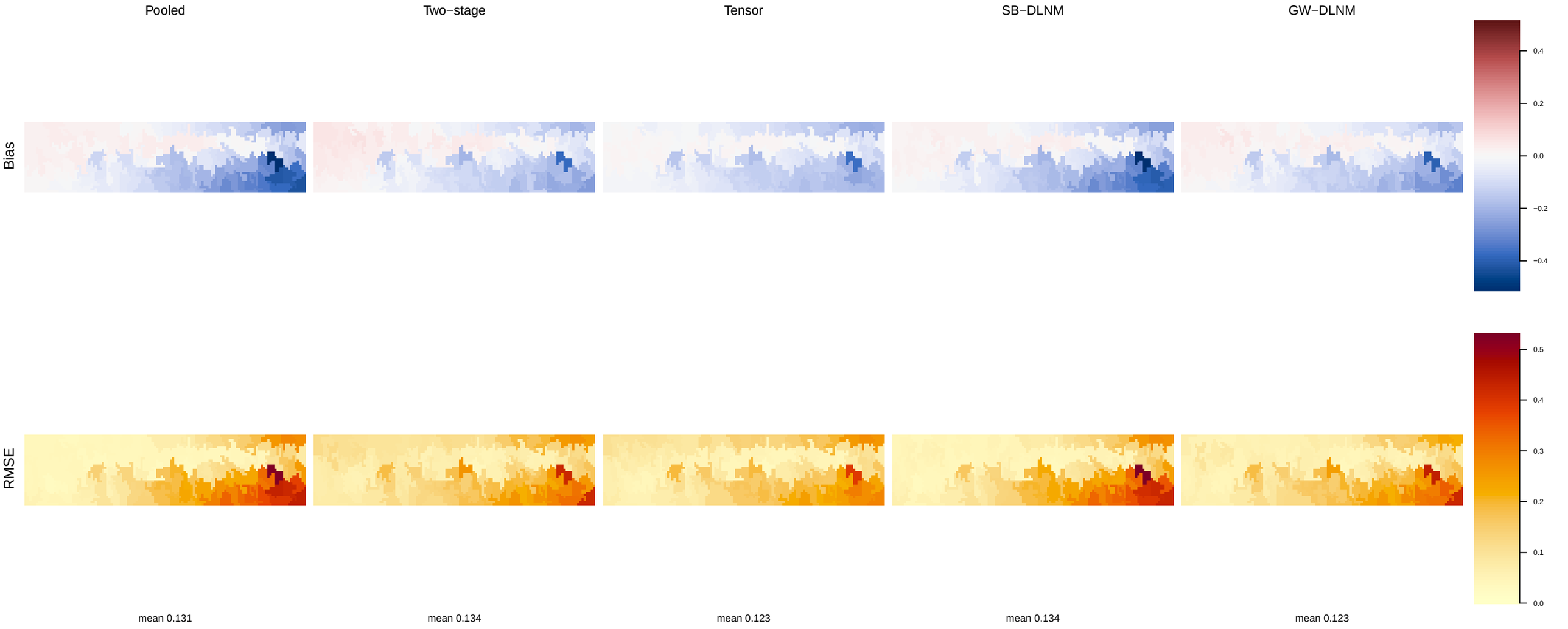
Scenario 914: elongated region, 60 counties, mild inequality, regional pattern, spread 0.50, valley gradient, unimodal exposure−response, event rate 2, RR 1.2, delayed lag



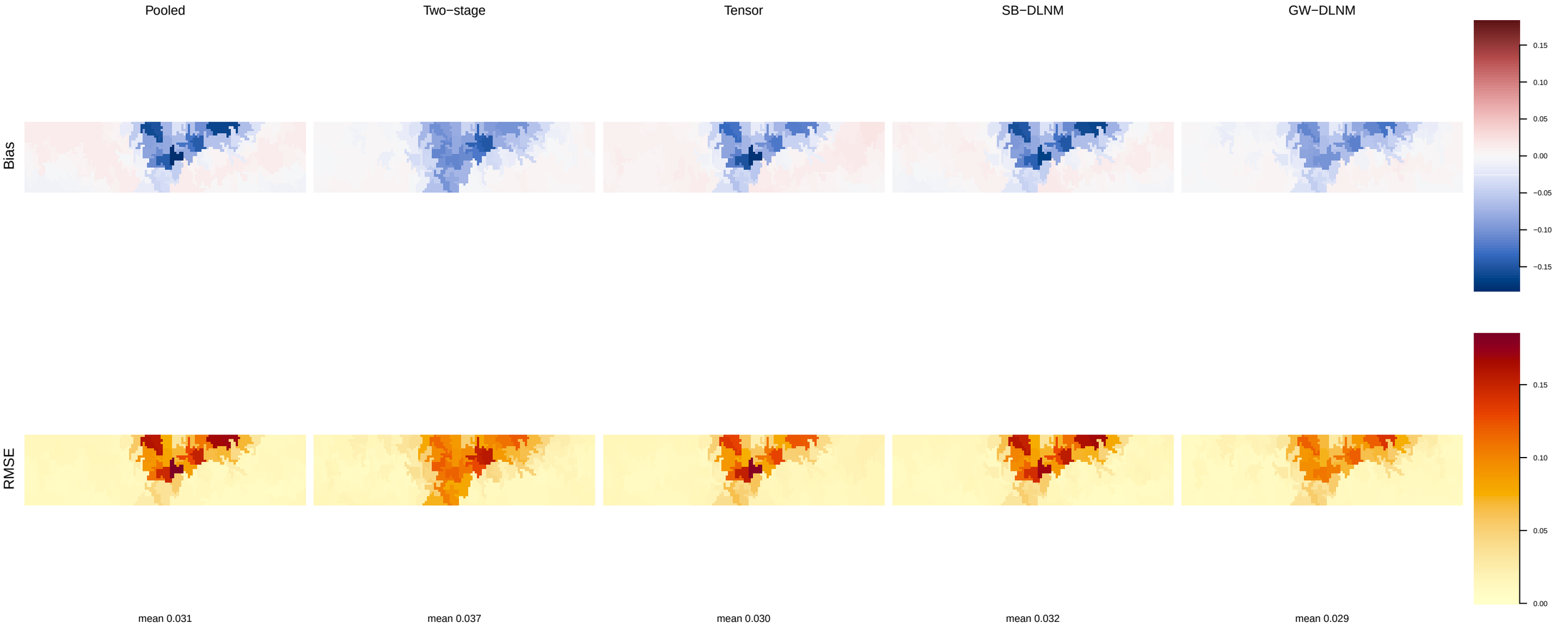
Scenario 198: elongated region, 120 counties, equal inequality, boundary pattern, spread 0.00, edges gradient, unimodal exposure−response, event rate 2, RR 1.4, decay lag



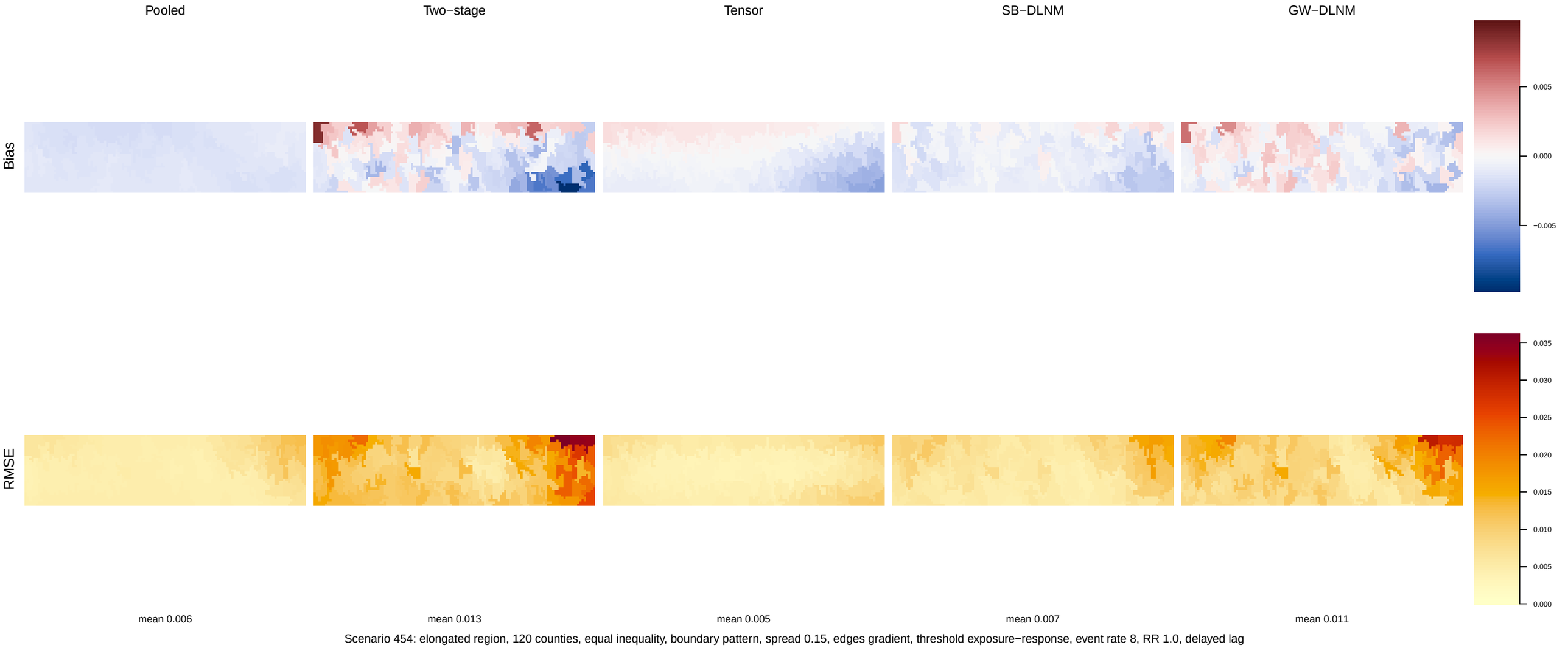
Scenario 6: elongated region, 120 counties, equal inequality, independent pattern, spread 0.00, NS gradient, unimodal exposure−response, event rate 0.5, RR 1.0, delayed lag



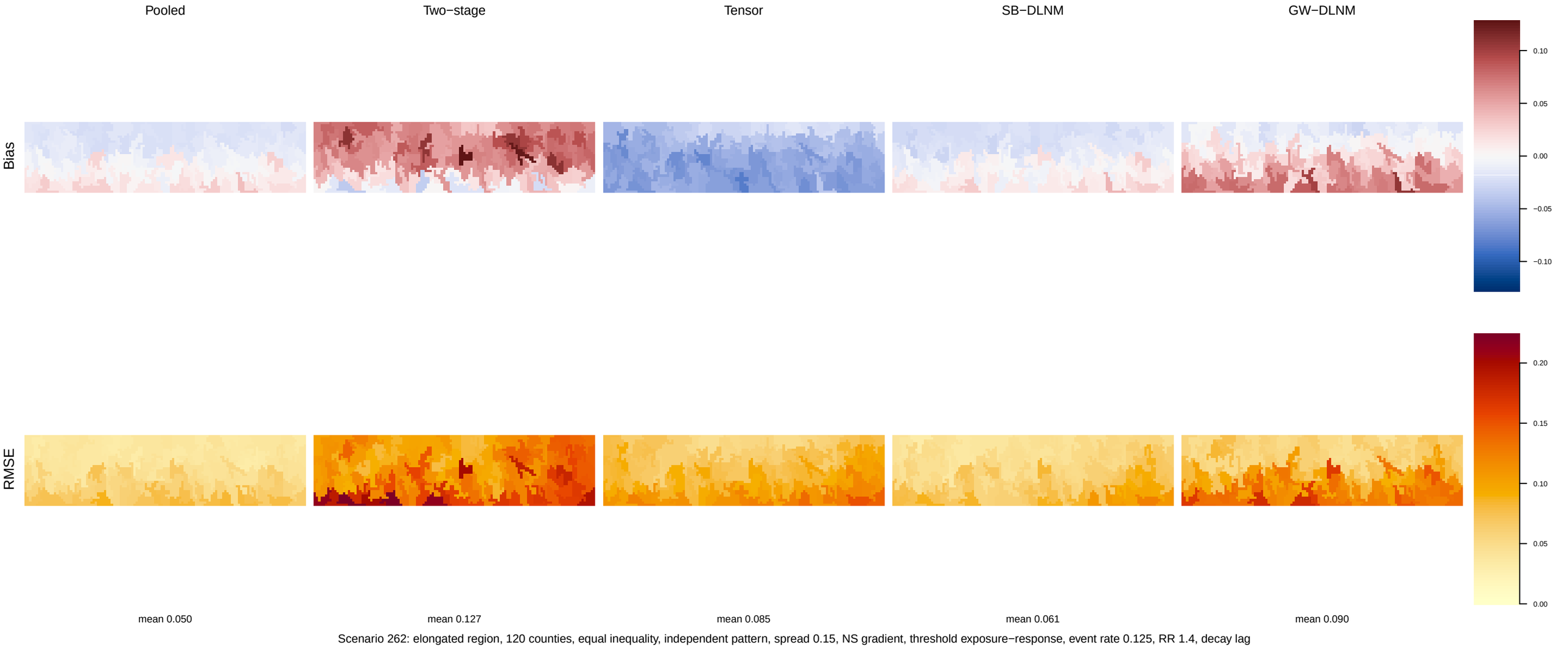
Scenario 70: elongated region, 120 counties, equal inequality, local pattern, spread 0.00, ridge gradient, unimodal exposure−response, event rate 0.125, RR 1.6, harvest lag



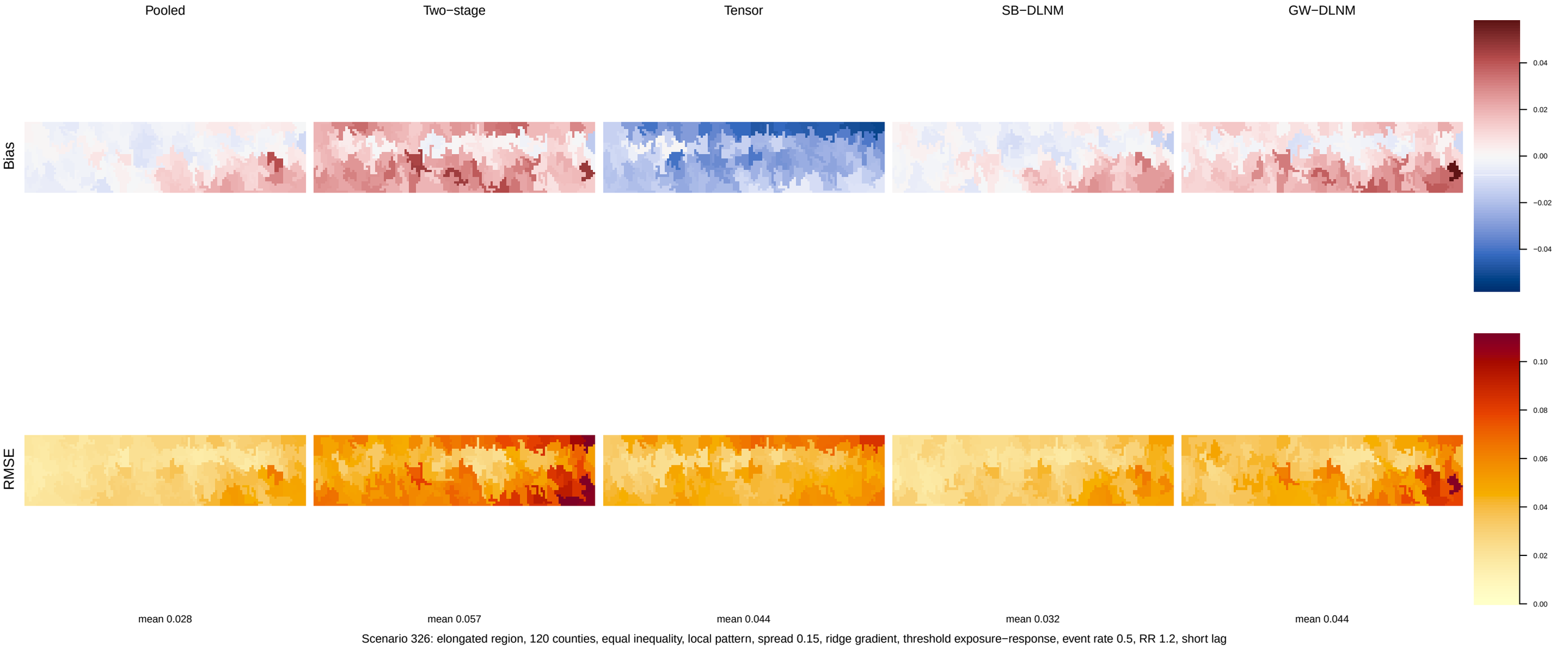
Scenario 134: elongated region, 120 counties, equal inequality, regional pattern, spread 0.00, valley gradient, unimodal exposure−response, event rate 8, RR 1.2, short lag



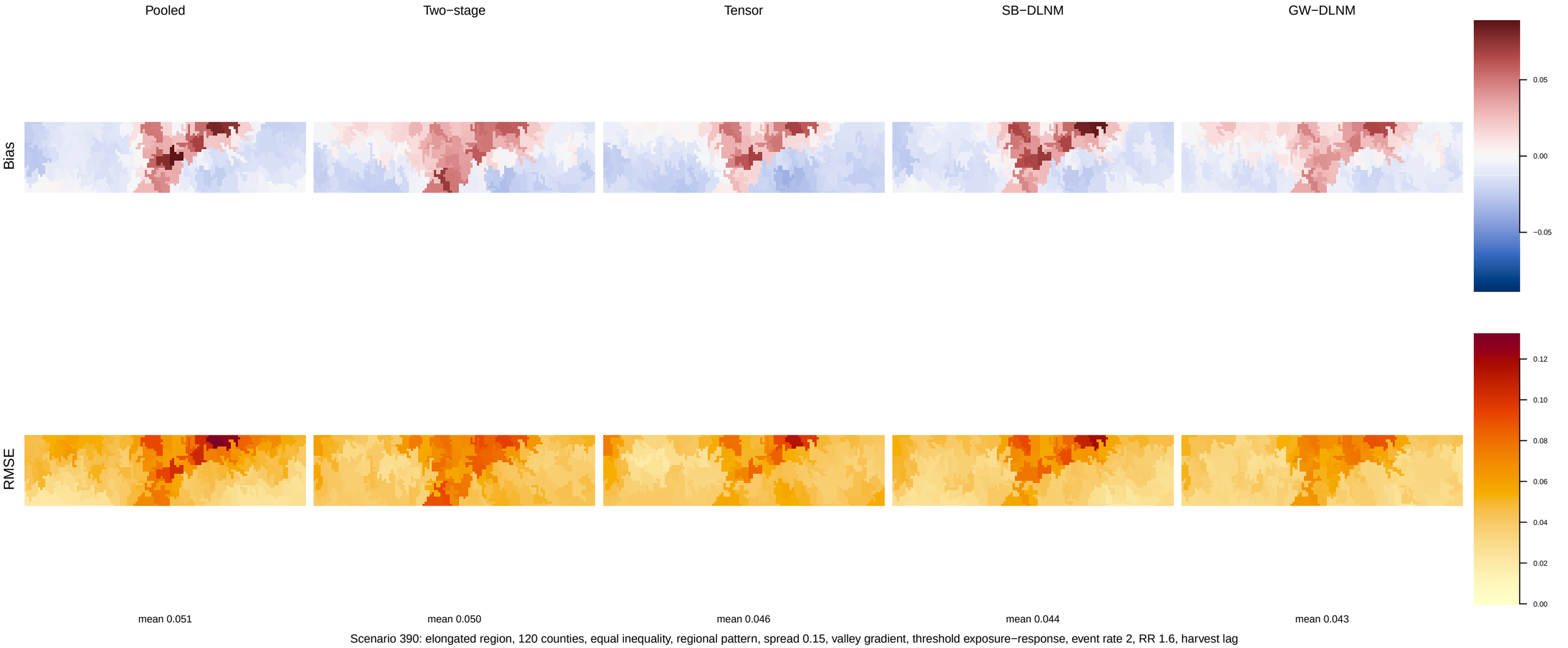
Scenario 454: elongated region, 120 counties, equal inequality, boundary pattern, spread 0.15, edges gradient, threshold exposure−response, event rate 8, RR 1.0, delayed lag



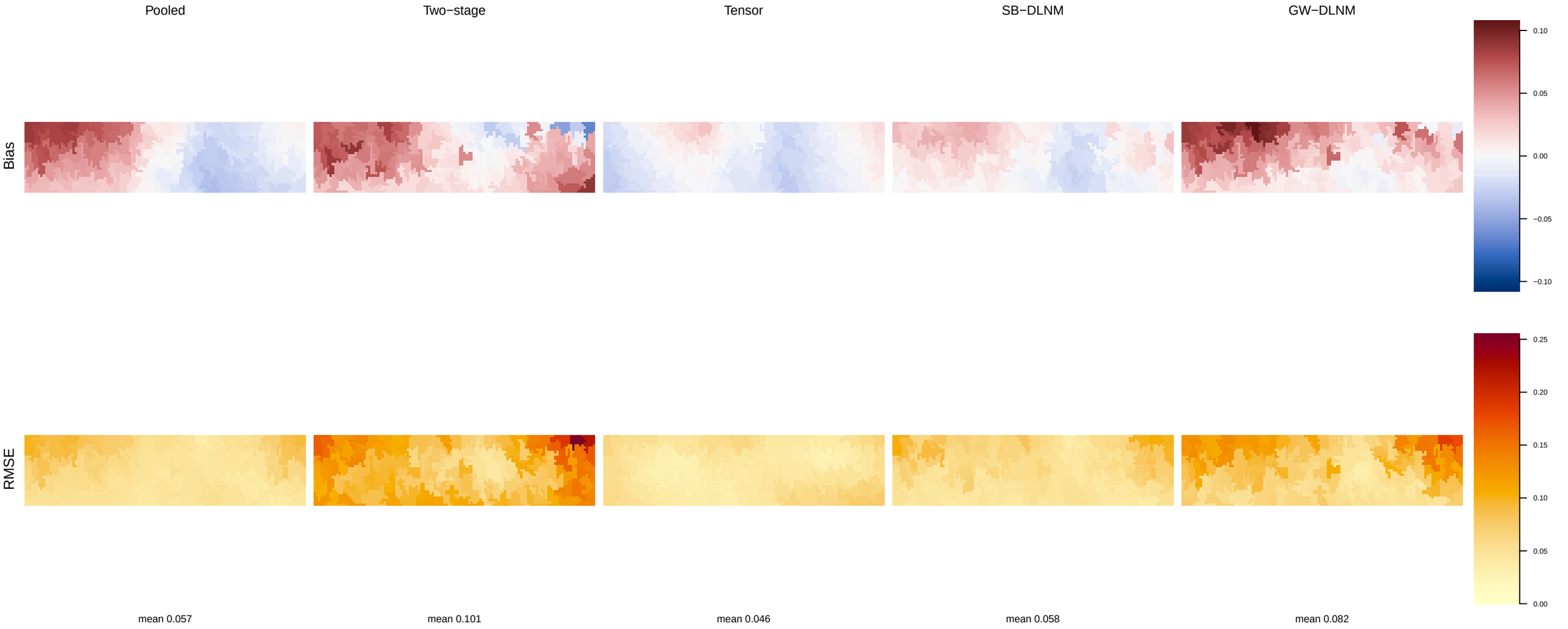
Scenario 262: elongated region, 120 counties, equal inequality, independent pattern, spread 0.15, NS gradient, threshold exposure−response, event rate 0.125, RR 1.4, decay lag



Scenario 326: elongated region, 120 counties, equal inequality, local pattern, spread 0.15, ridge gradient, threshold exposure−response, event rate 0.5, RR 1.2, short lag



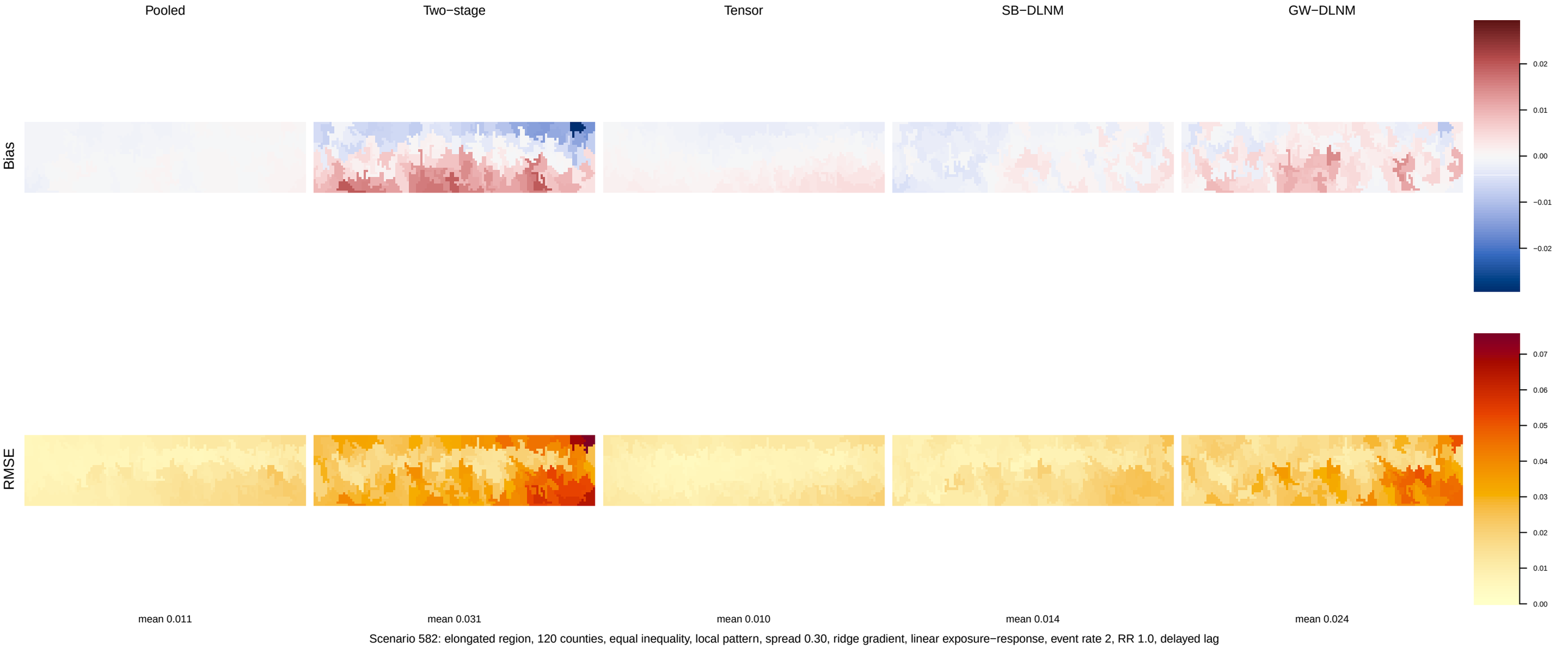
Scenario 390: elongated region, 120 counties, equal inequality, regional pattern, spread 0.15, valley gradient, threshold exposure−response, event rate 2, RR 1.6, harvest lag



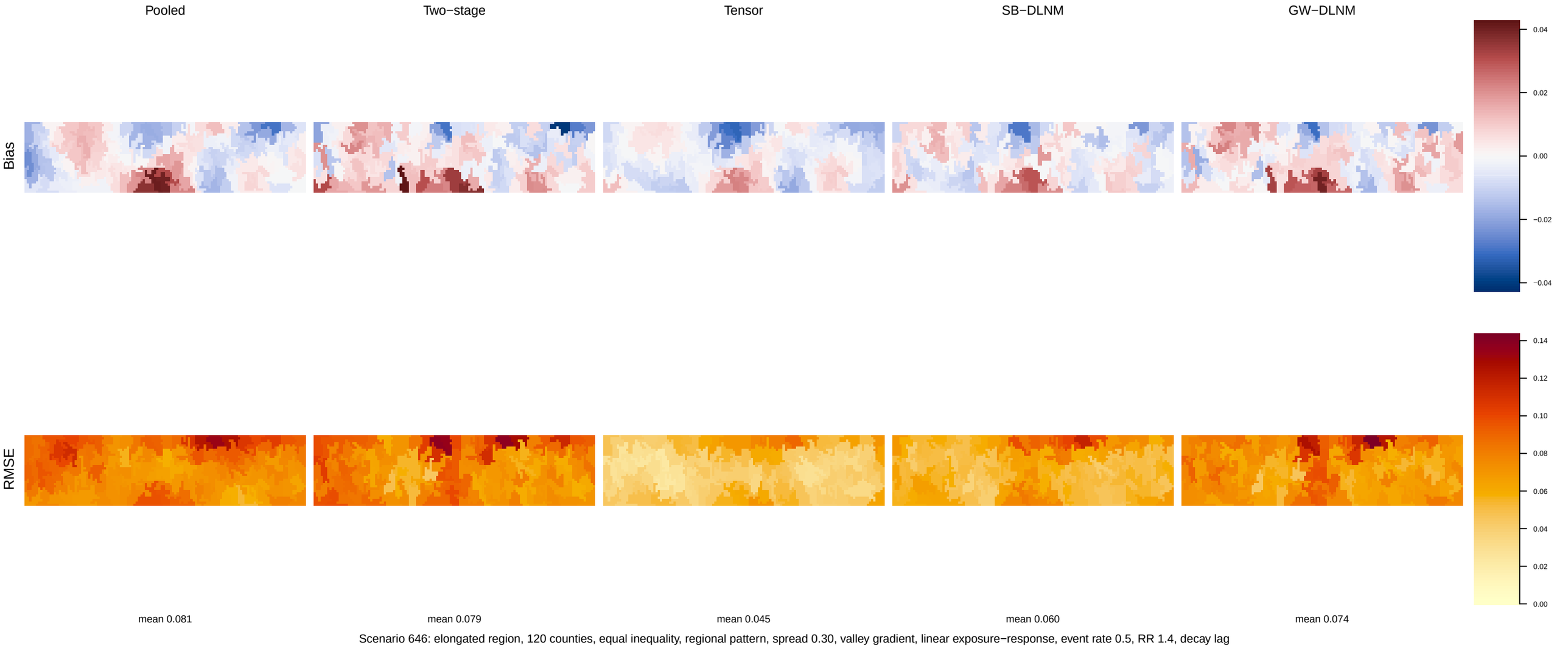
Scenario 710: elongated region, 120 counties, equal inequality, boundary pattern, spread 0.30, edges gradient, linear exposure−response, event rate 0.125, RR 1.2, short lag



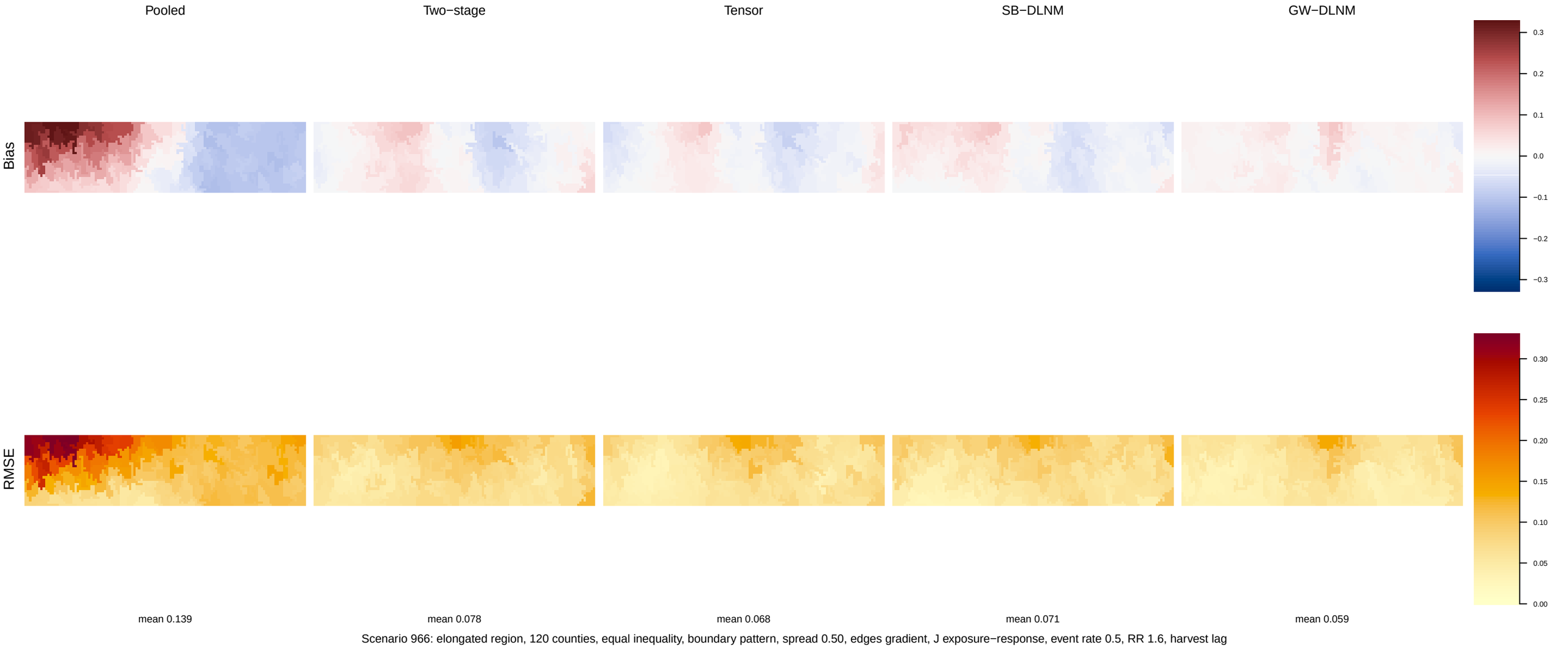
Scenario 518: elongated region, 120 counties, equal inequality, independent pattern, spread 0.30, NS gradient, linear exposure−response, event rate 8, RR 1.6, harvest lag



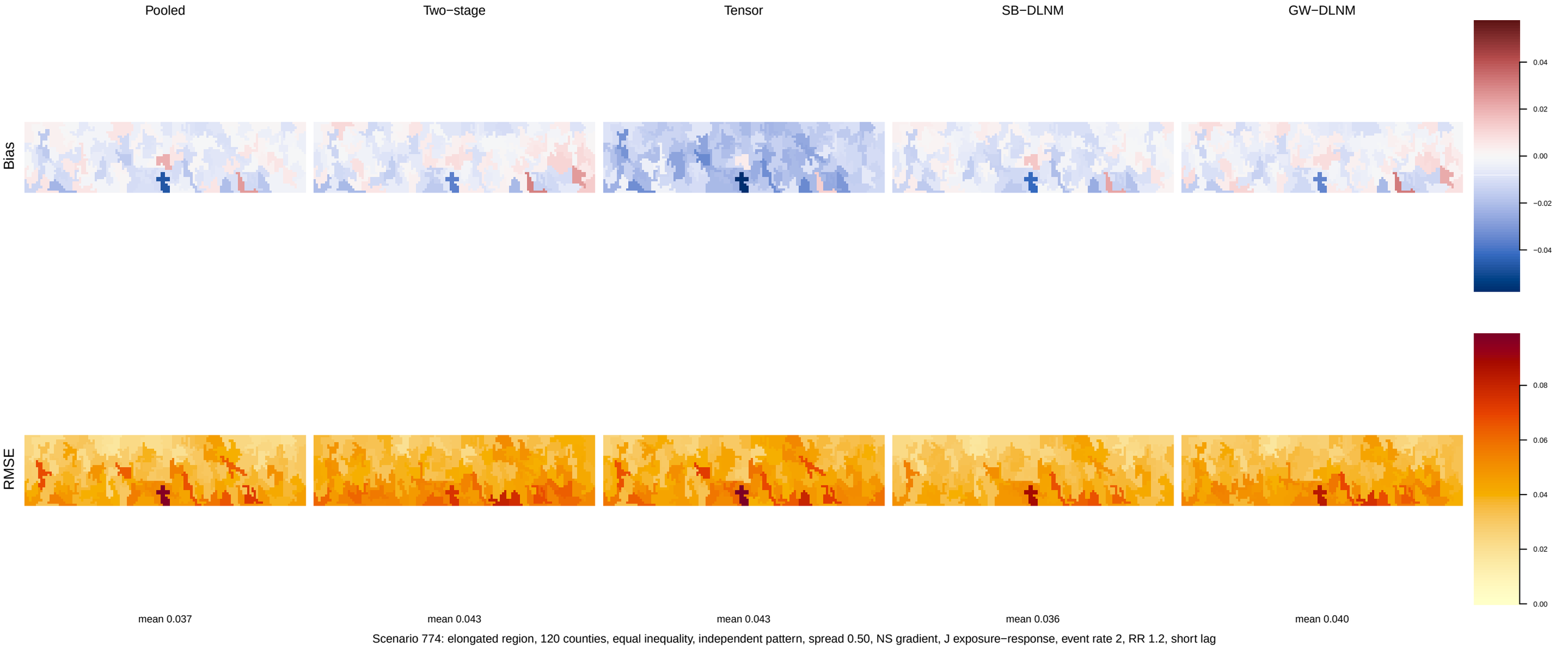
Scenario 582: elongated region, 120 counties, equal inequality, local pattern, spread 0.30, ridge gradient, linear exposure−response, event rate 2, RR 1.0, delayed lag



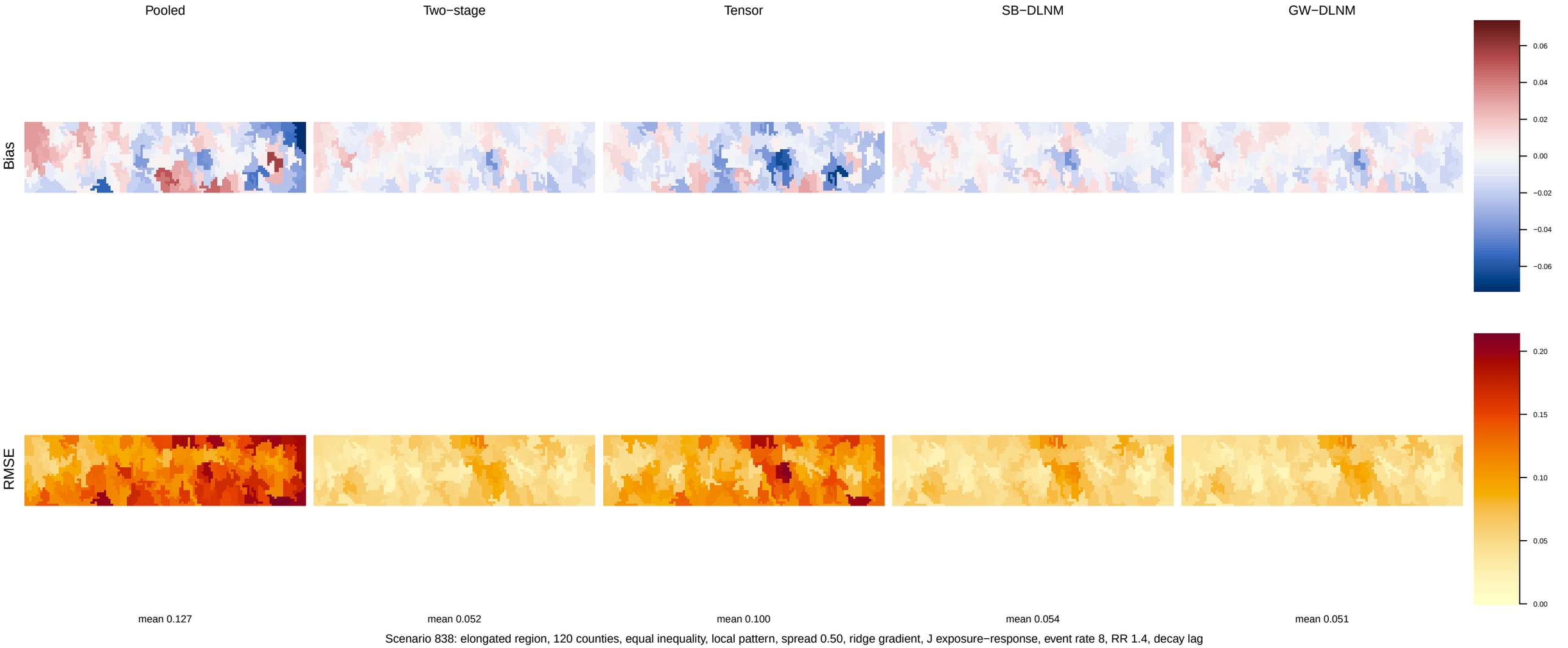
Scenario 646: elongated region, 120 counties, equal inequality, regional pattern, spread 0.30, valley gradient, linear exposure−response, event rate 0.5, RR 1.4, decay lag



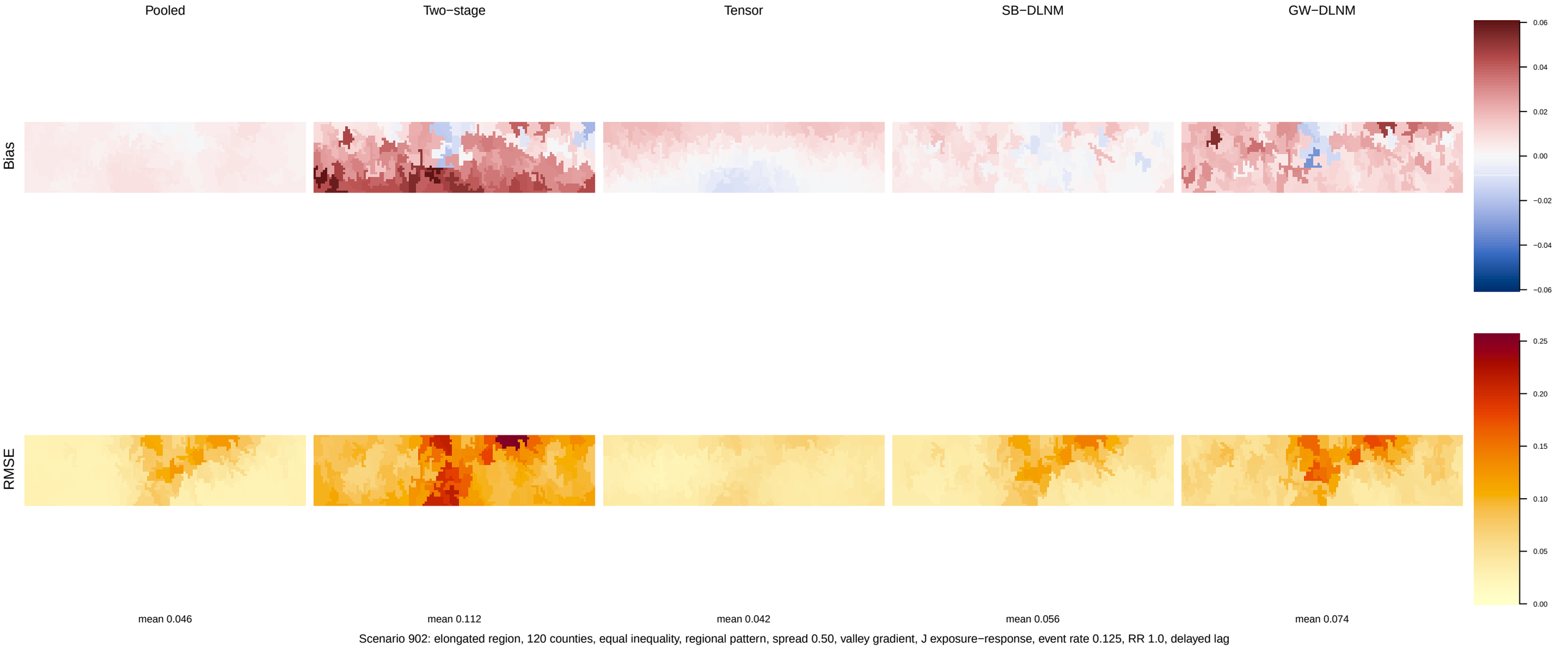
Scenario 966: elongated region, 120 counties, equal inequality, boundary pattern, spread 0.50, edges gradient, J exposure−response, event rate 0.5, RR 1.6, harvest lag



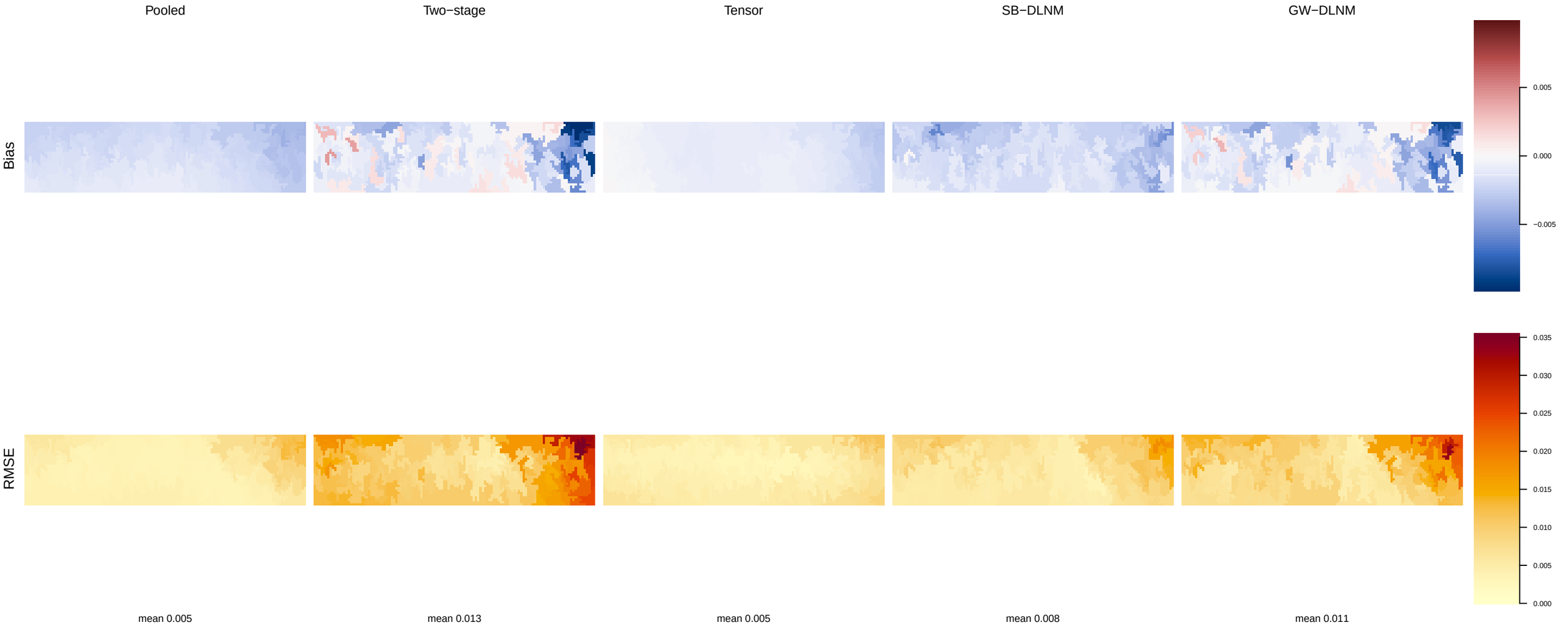
Scenario 774: elongated region, 120 counties, equal inequality, independent pattern, spread 0.50, NS gradient, J exposure−response, event rate 2, RR 1.2, short lag



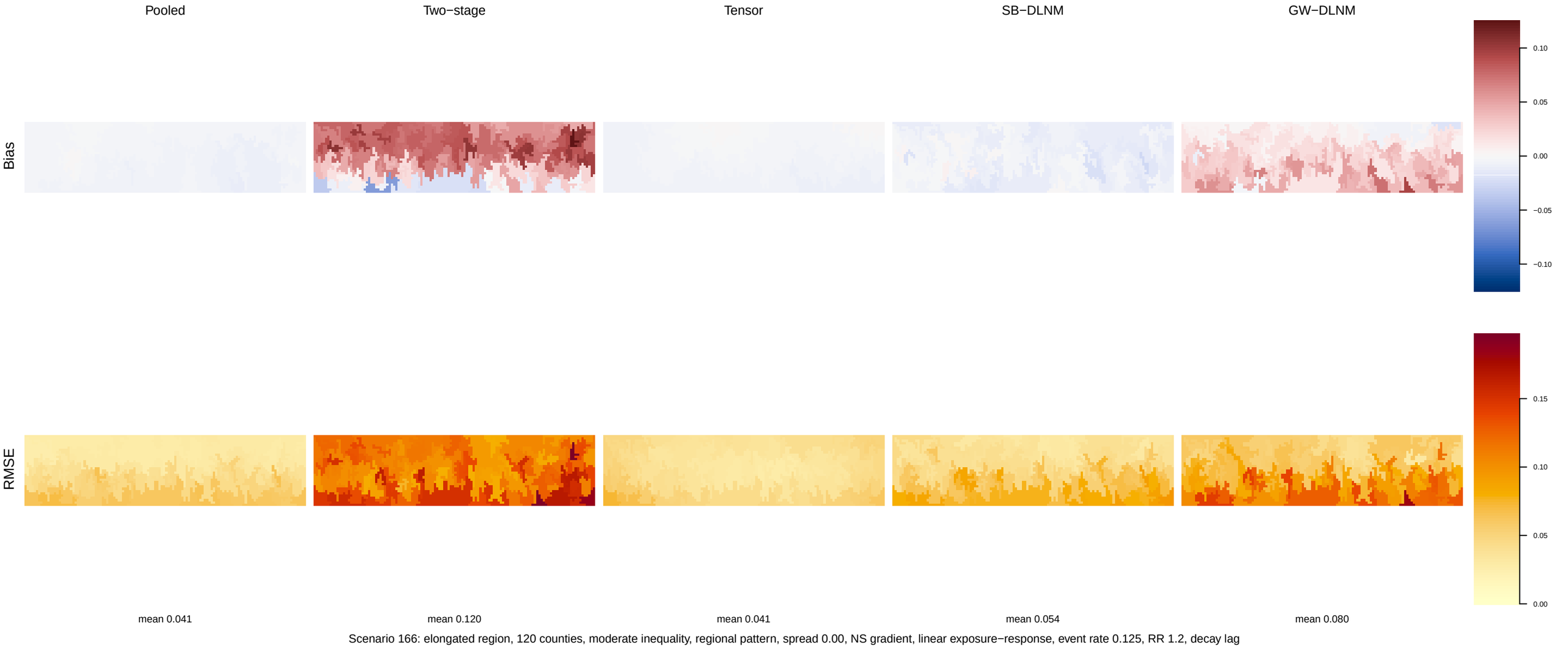
Scenario 838: elongated region, 120 counties, equal inequality, local pattern, spread 0.50, ridge gradient, J exposure−response, event rate 8, RR 1.4, decay lag



Scenario 902: elongated region, 120 counties, equal inequality, regional pattern, spread 0.50, valley gradient, J exposure−response, event rate 0.125, RR 1.0, delayed lag



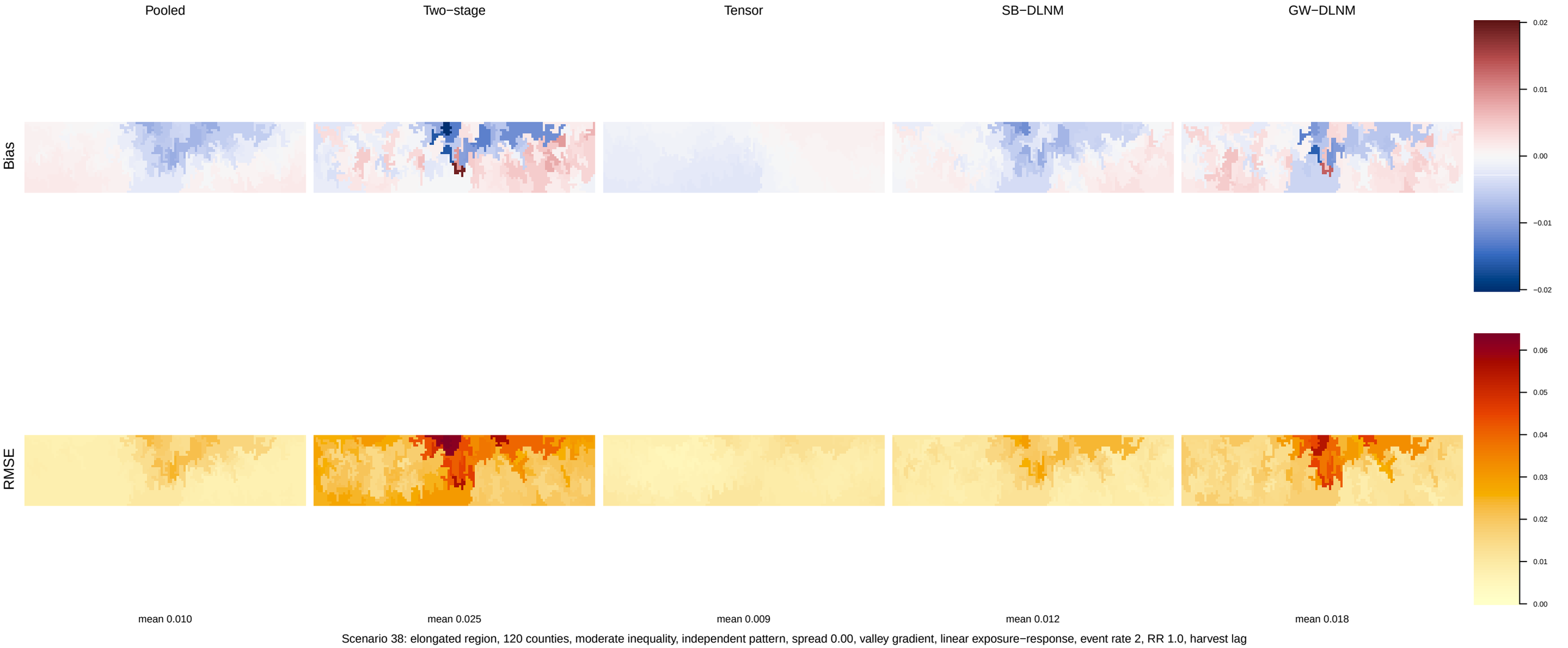
Scenario 102: elongated region, 120 counties, moderate inequality, local pattern, spread 0.00, edges gradient, linear exposure−response, event rate 8, RR 1.6, delayed lag



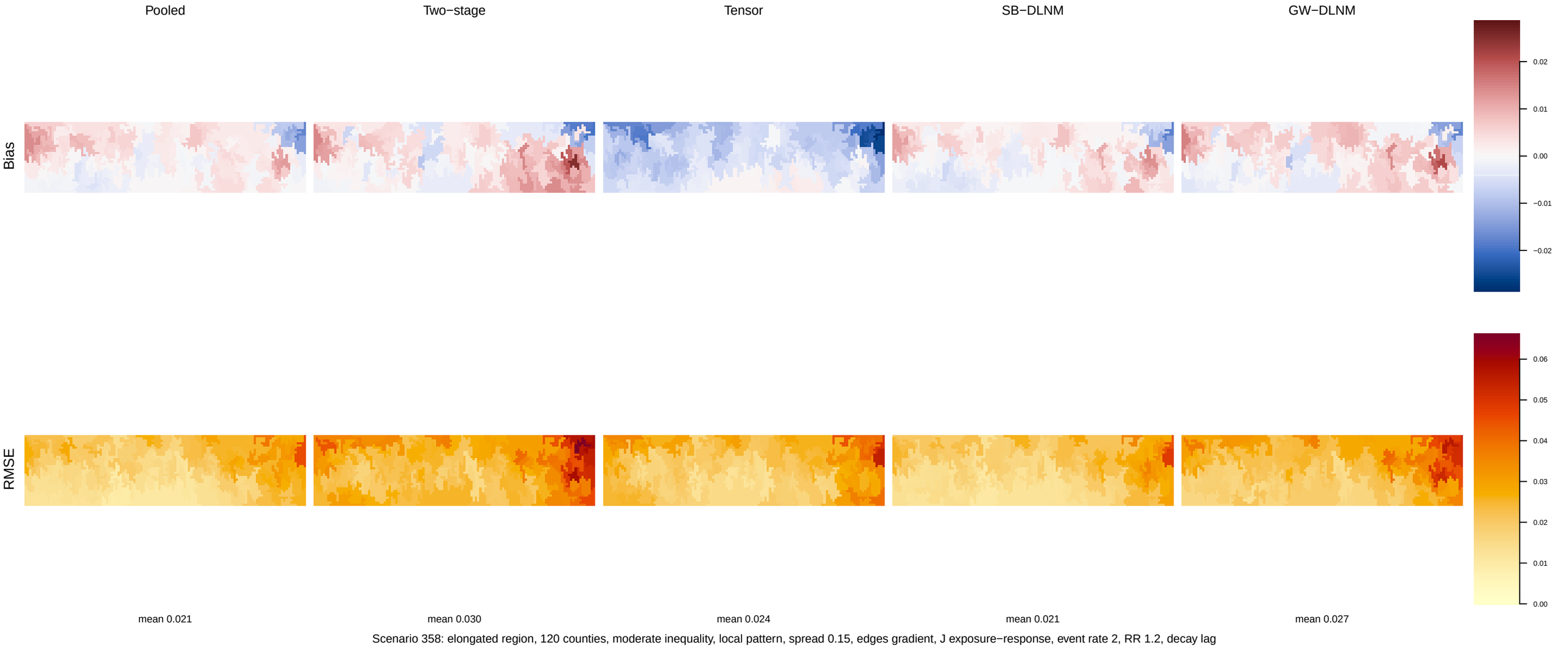
Scenario 166: elongated region, 120 counties, moderate inequality, regional pattern, spread 0.00, NS gradient, linear exposure−response, event rate 0.125, RR 1.2, decay lag



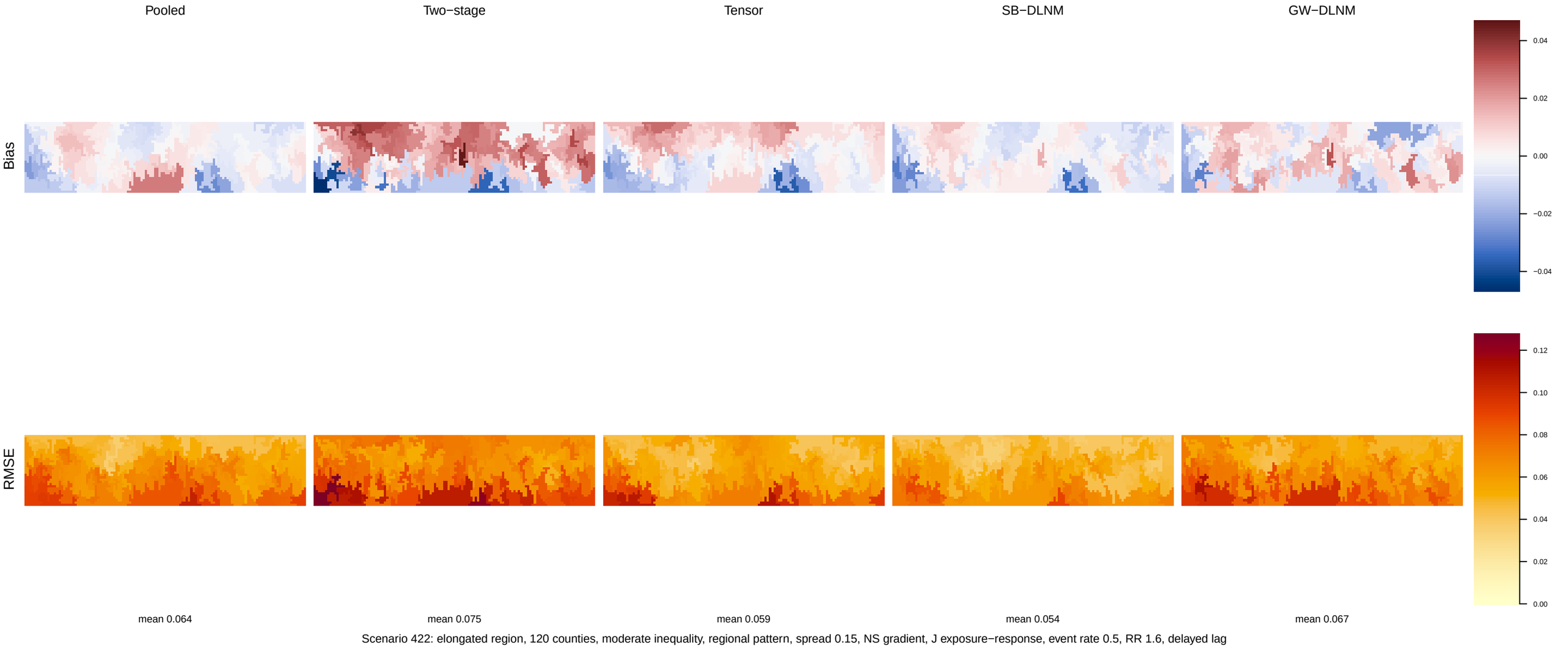
Scenario 230: elongated region, 120 counties, moderate inequality, boundary pattern, spread 0.00, ridge gradient, linear exposure−response, event rate 0.5, RR 1.4, short lag



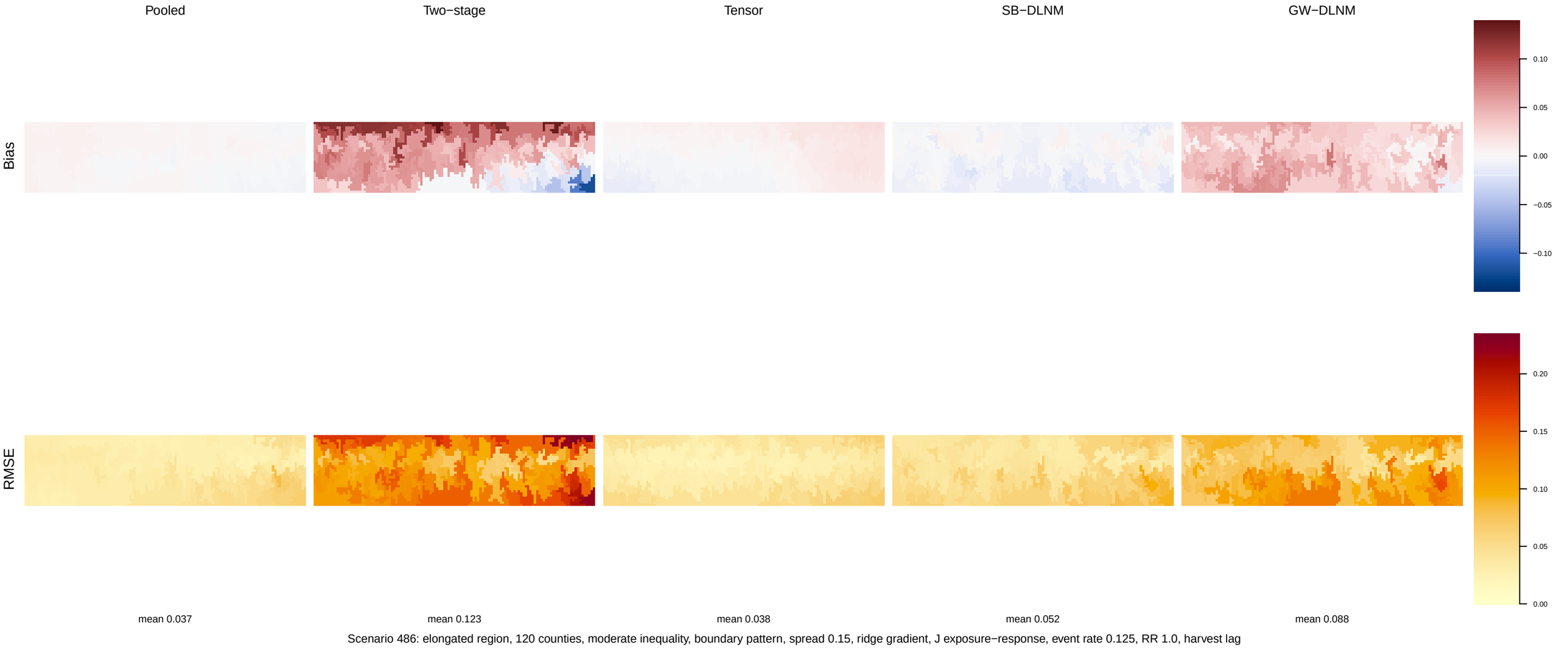
Scenario 38: elongated region, 120 counties, moderate inequality, independent pattern, spread 0.00, valley gradient, linear exposure−response, event rate 2, RR 1.0, harvest lag



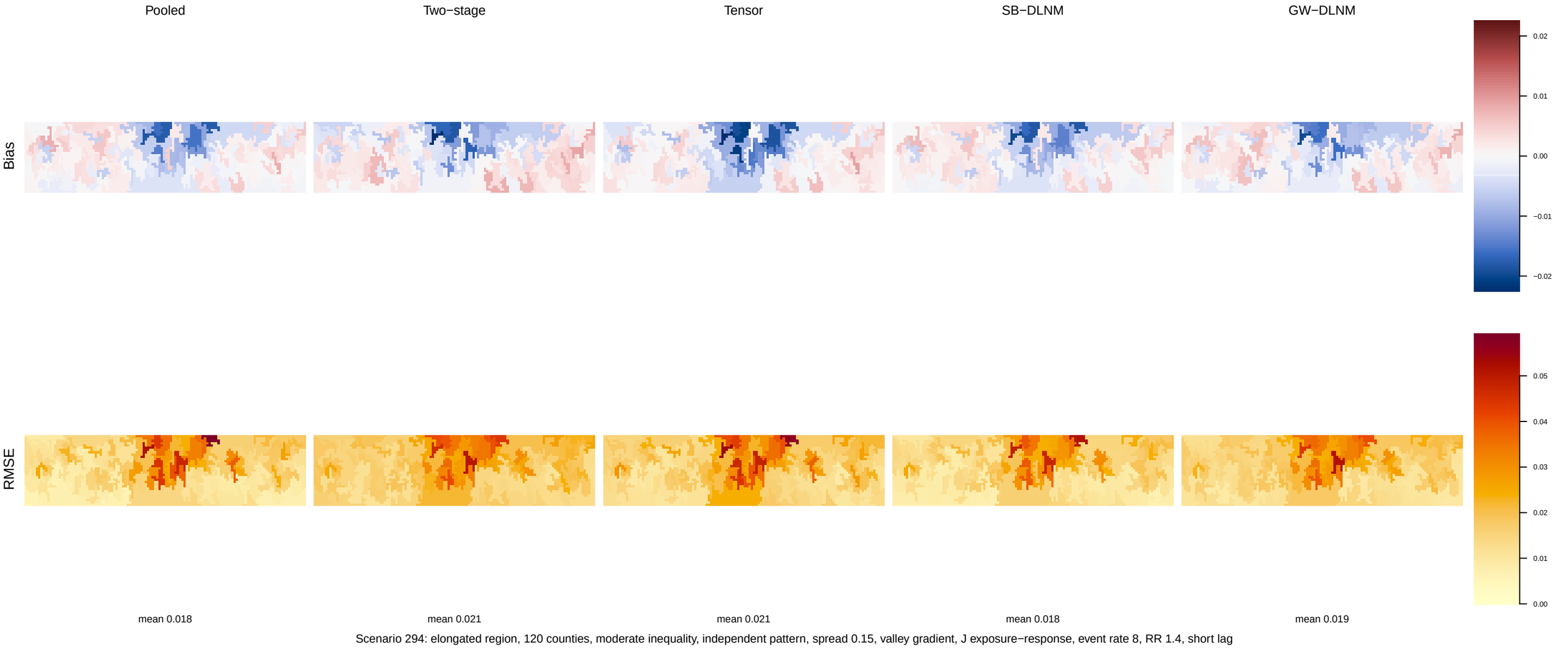
Scenario 358: elongated region, 120 counties, moderate inequality, local pattern, spread 0.15, edges gradient, J exposure−response, event rate 2, RR 1.2, decay lag



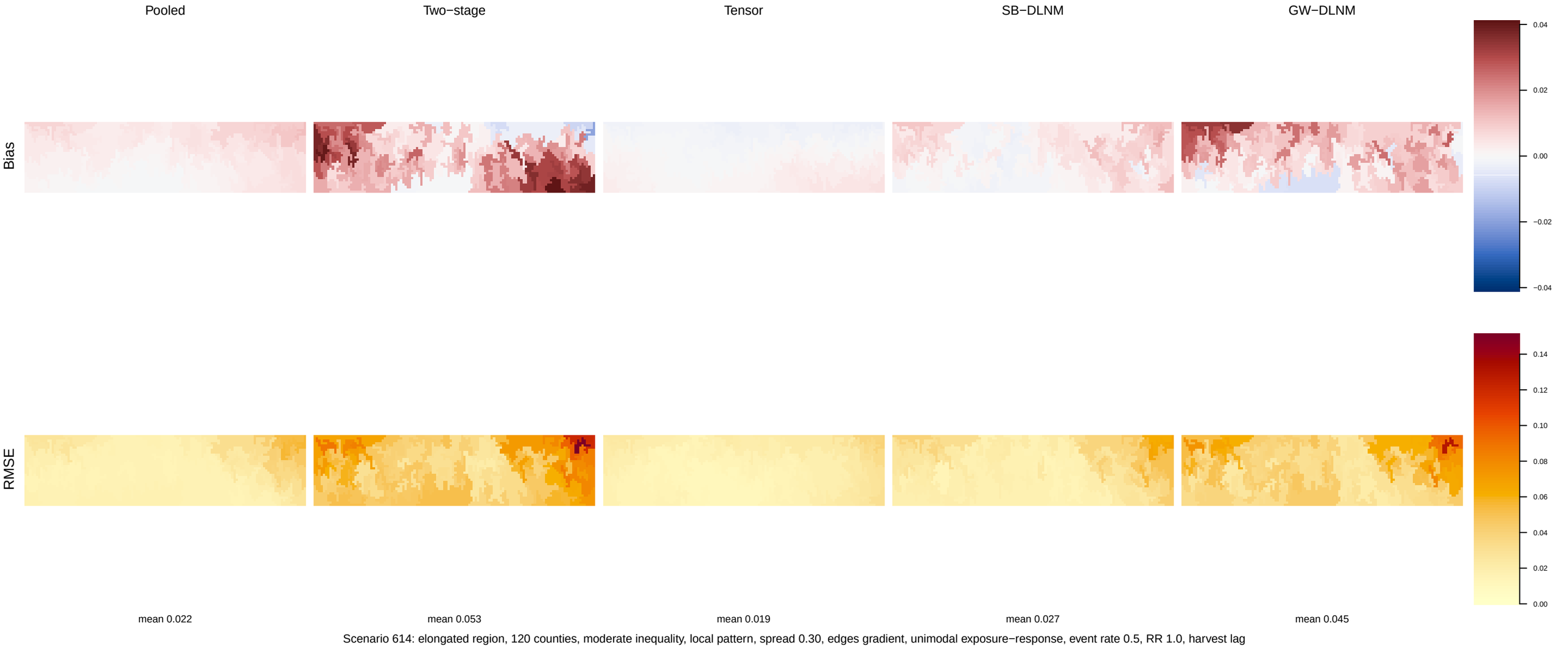
Scenario 422: elongated region, 120 counties, moderate inequality, regional pattern, spread 0.15, NS gradient, J exposure−response, event rate 0.5, RR 1.6, delayed lag



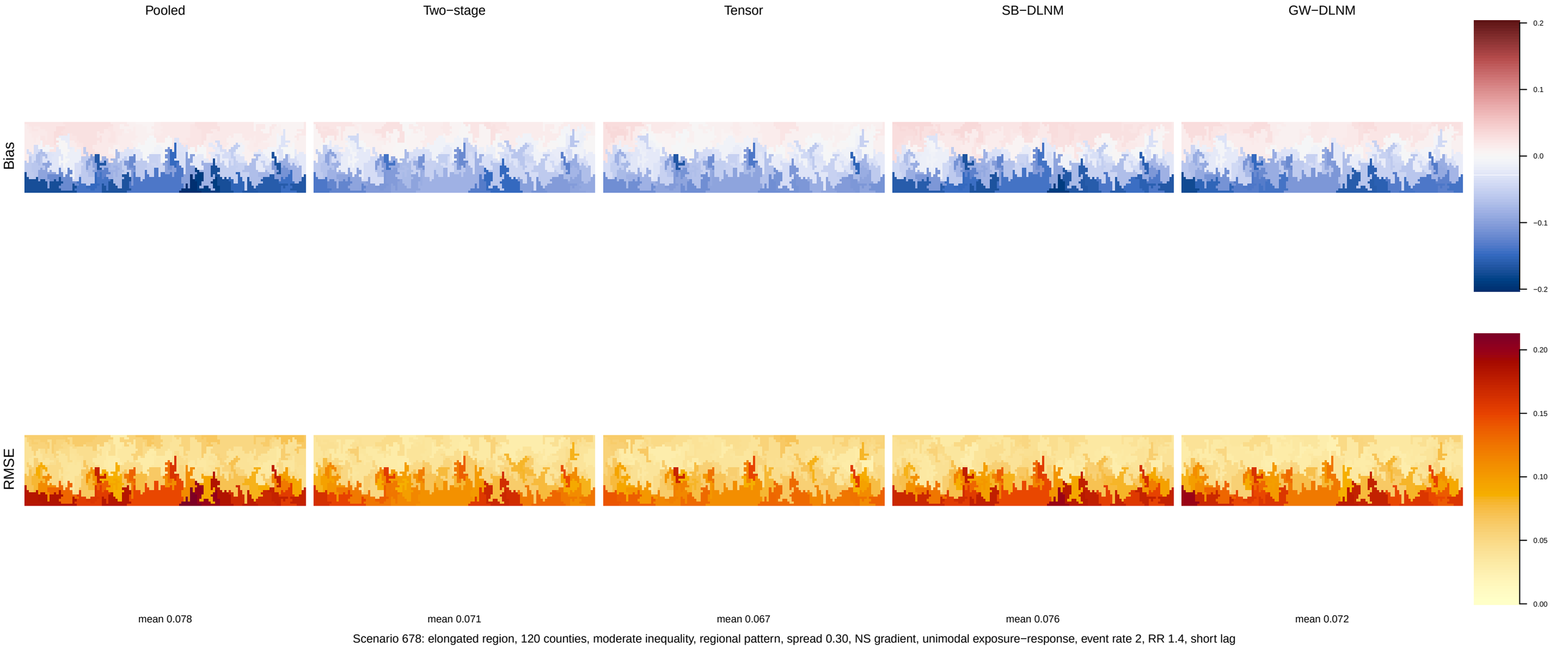
Scenario 486: elongated region, 120 counties, moderate inequality, boundary pattern, spread 0.15, ridge gradient, J exposure−response, event rate 0.125, RR 1.0, harvest lag



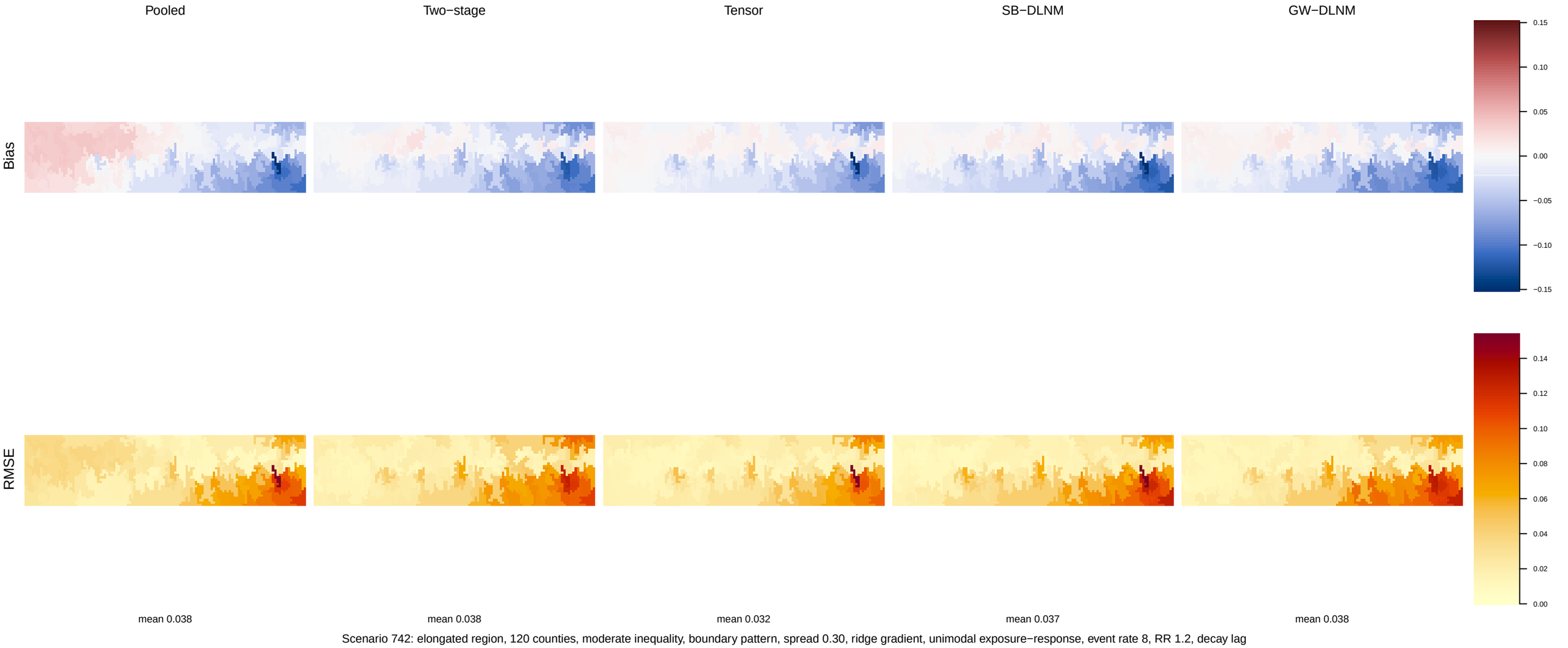
Scenario 294: elongated region, 120 counties, moderate inequality, independent pattern, spread 0.15, valley gradient, J exposure−response, event rate 8, RR 1.4, short lag



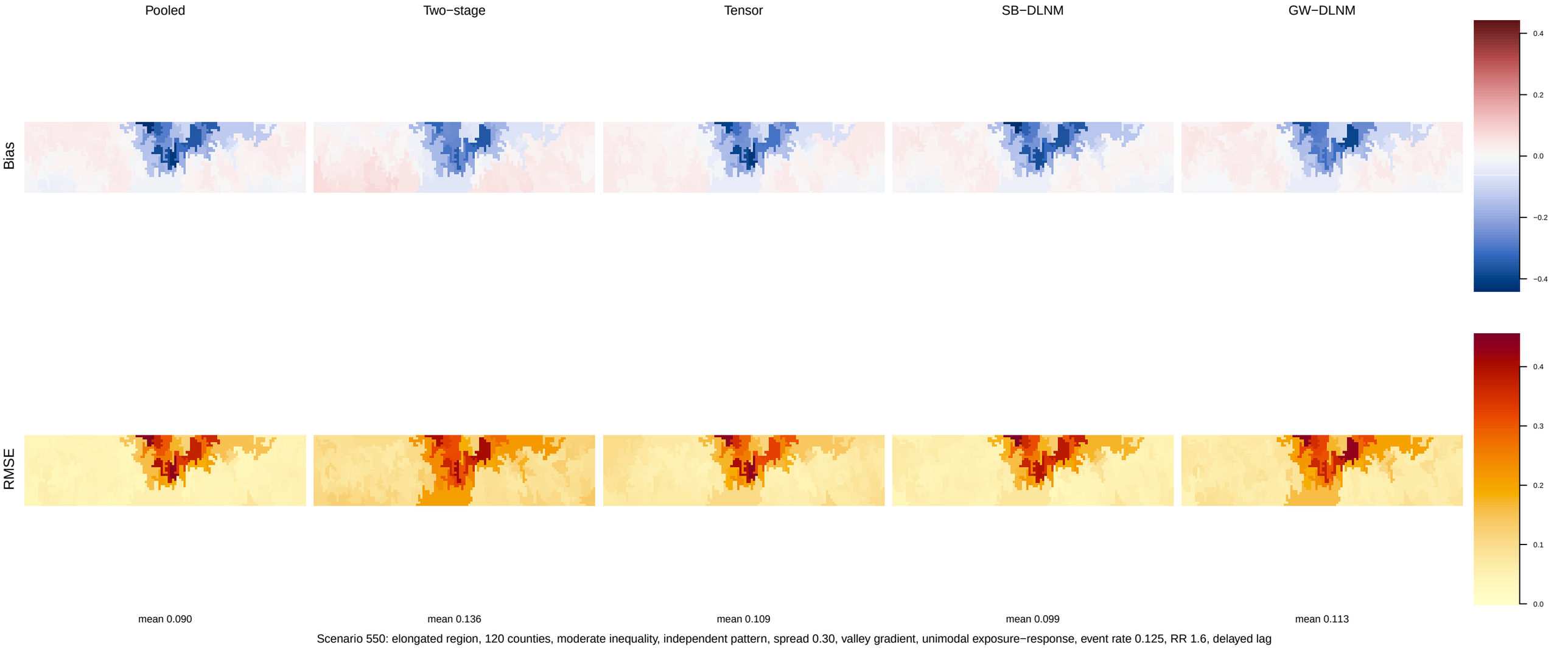
Scenario 614: elongated region, 120 counties, moderate inequality, local pattern, spread 0.30, edges gradient, unimodal exposure−response, event rate 0.5, RR 1.0, harvest lag



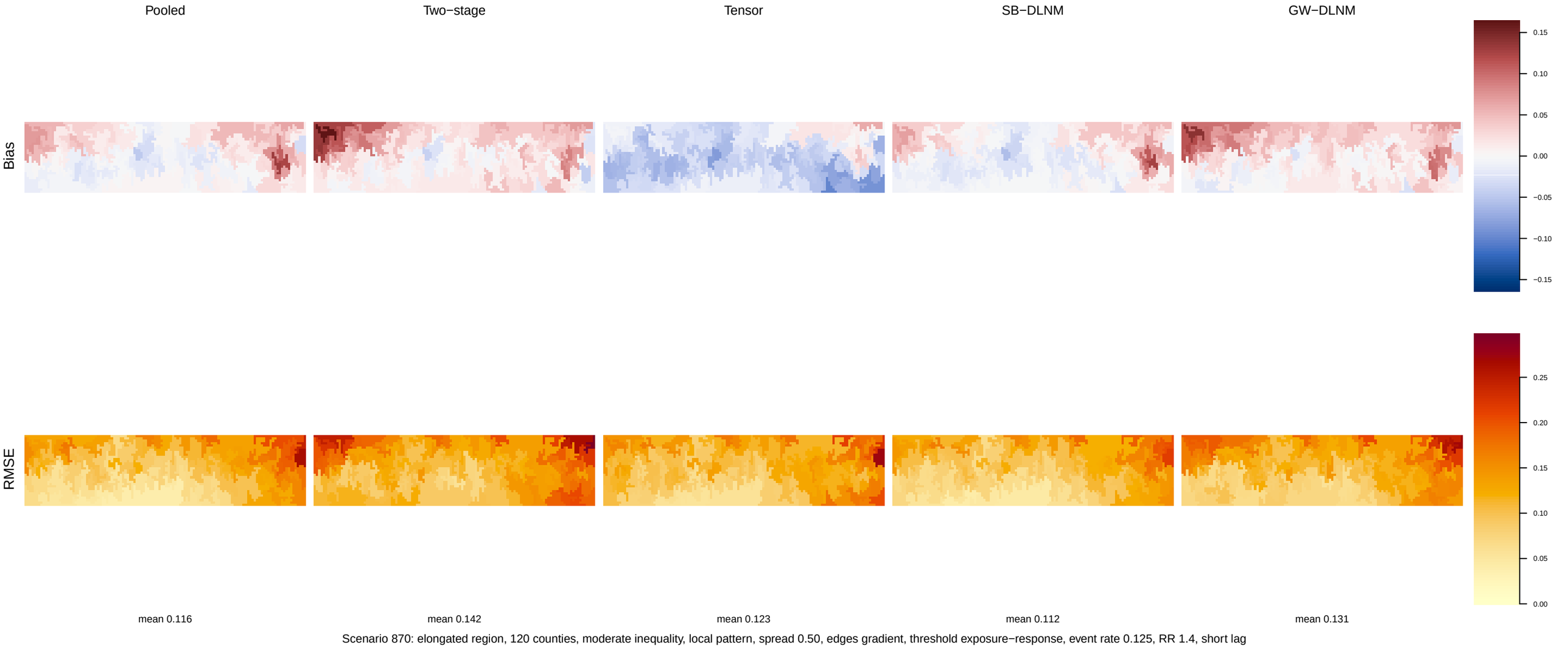
Scenario 678: elongated region, 120 counties, moderate inequality, regional pattern, spread 0.30, NS gradient, unimodal exposure−response, event rate 2, RR 1.4, short lag



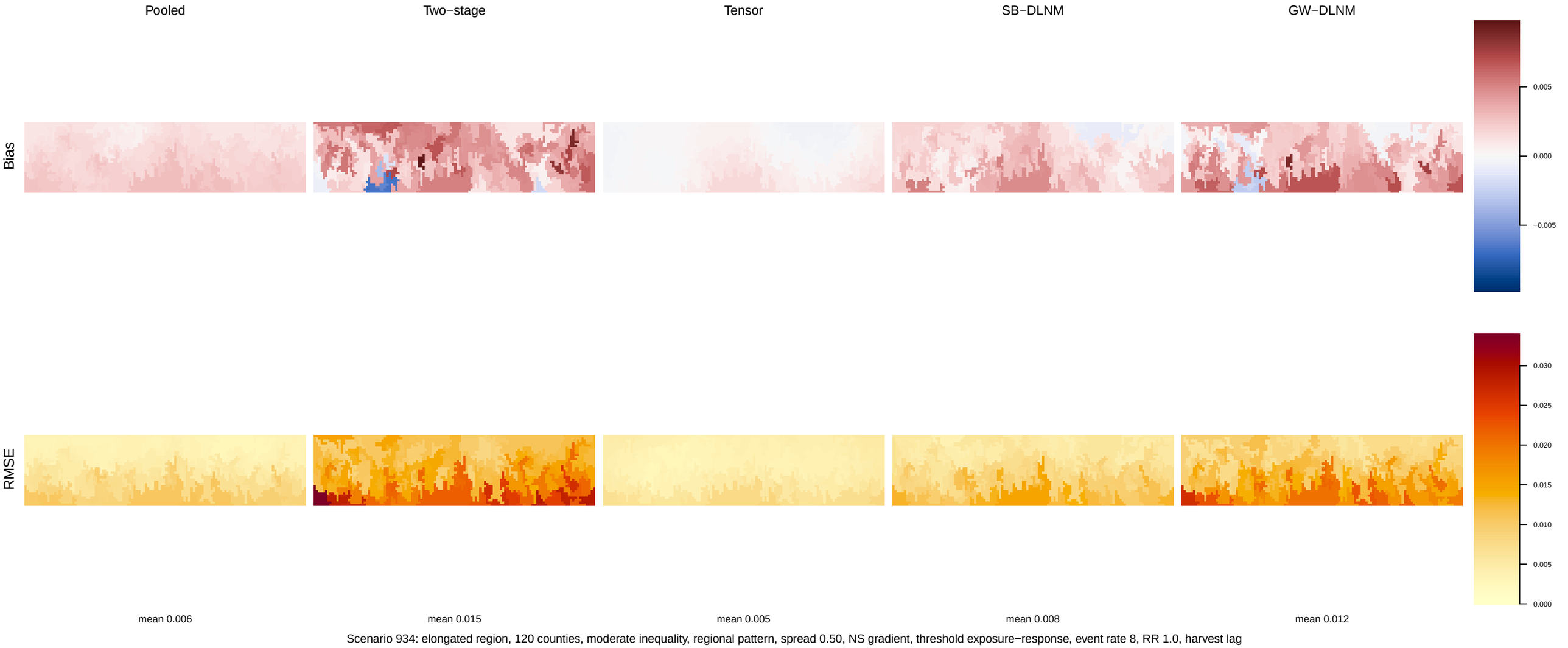
Scenario 742: elongated region, 120 counties, moderate inequality, boundary pattern, spread 0.30, ridge gradient, unimodal exposure−response, event rate 8, RR 1.2, decay lag



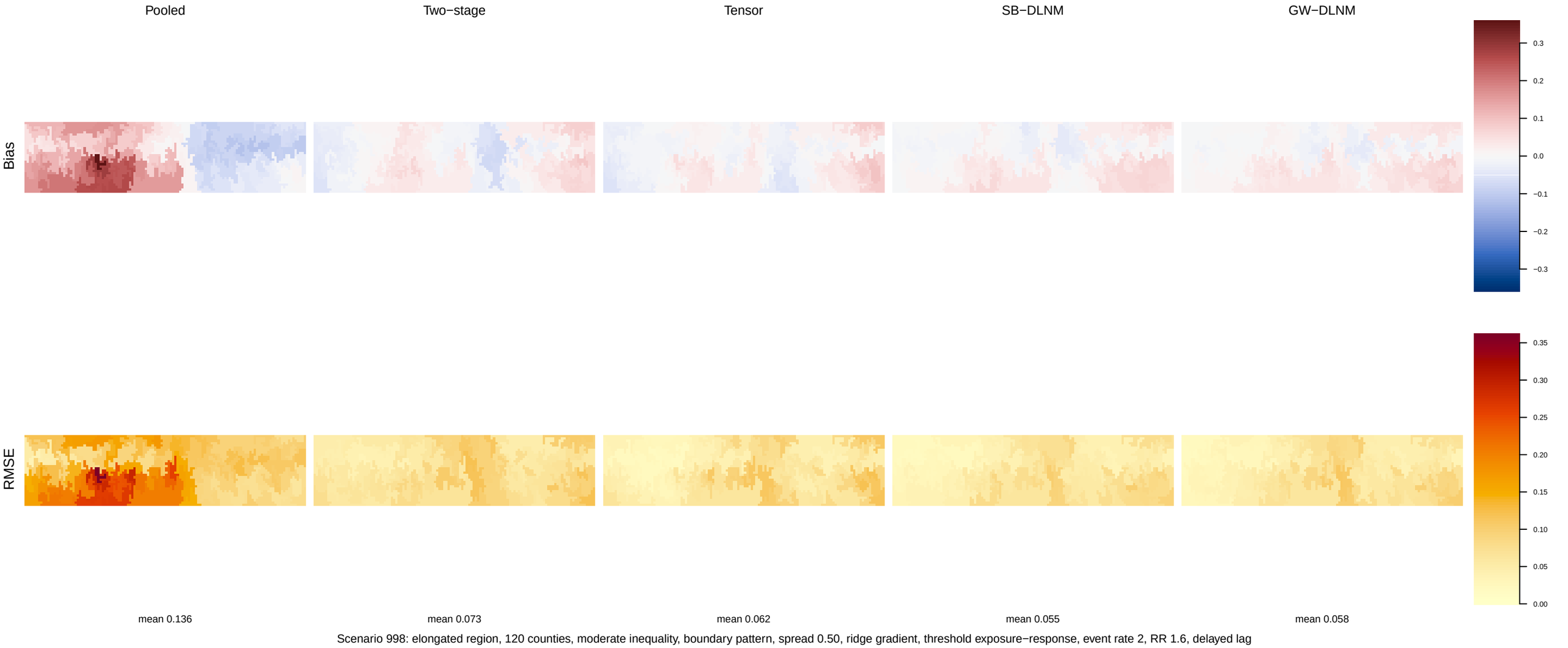
Scenario 550: elongated region, 120 counties, moderate inequality, independent pattern, spread 0.30, valley gradient, unimodal exposure−response, event rate 0.125, RR 1.6, delayed lag



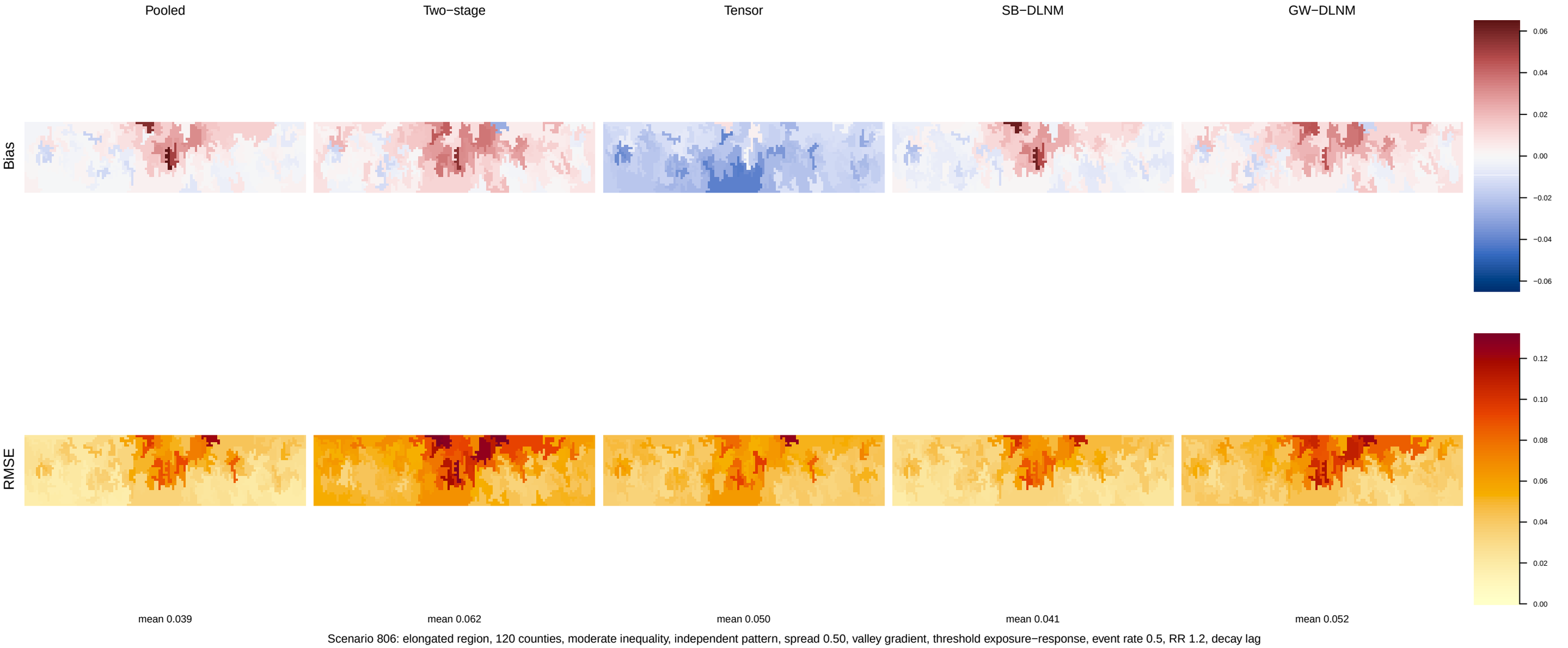
Scenario 870: elongated region, 120 counties, moderate inequality, local pattern, spread 0.50, edges gradient, threshold exposure−response, event rate 0.125, RR 1.4, short lag



Scenario 934: elongated region, 120 counties, moderate inequality, regional pattern, spread 0.50, NS gradient, threshold exposure−response, event rate 8, RR 1.0, harvest lag



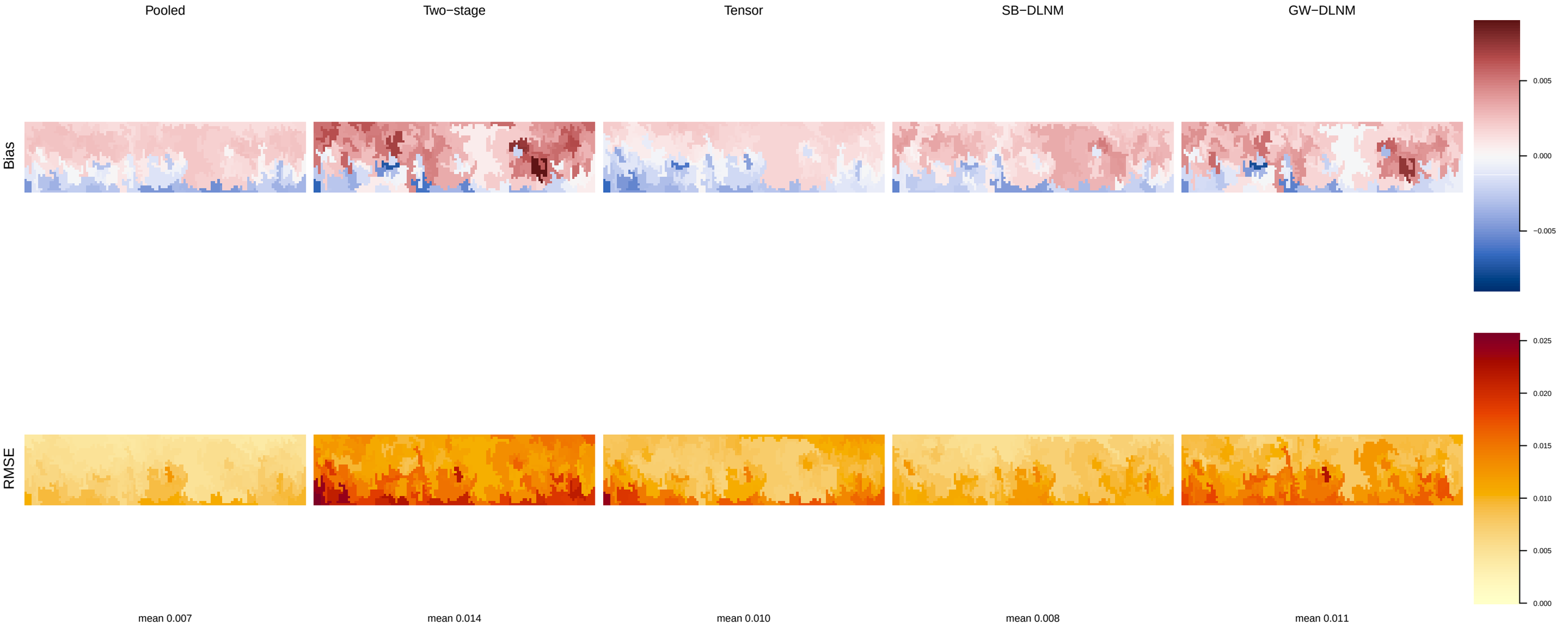
Scenario 998: elongated region, 120 counties, moderate inequality, boundary pattern, spread 0.50, ridge gradient, threshold exposure−response, event rate 2, RR 1.6, delayed lag



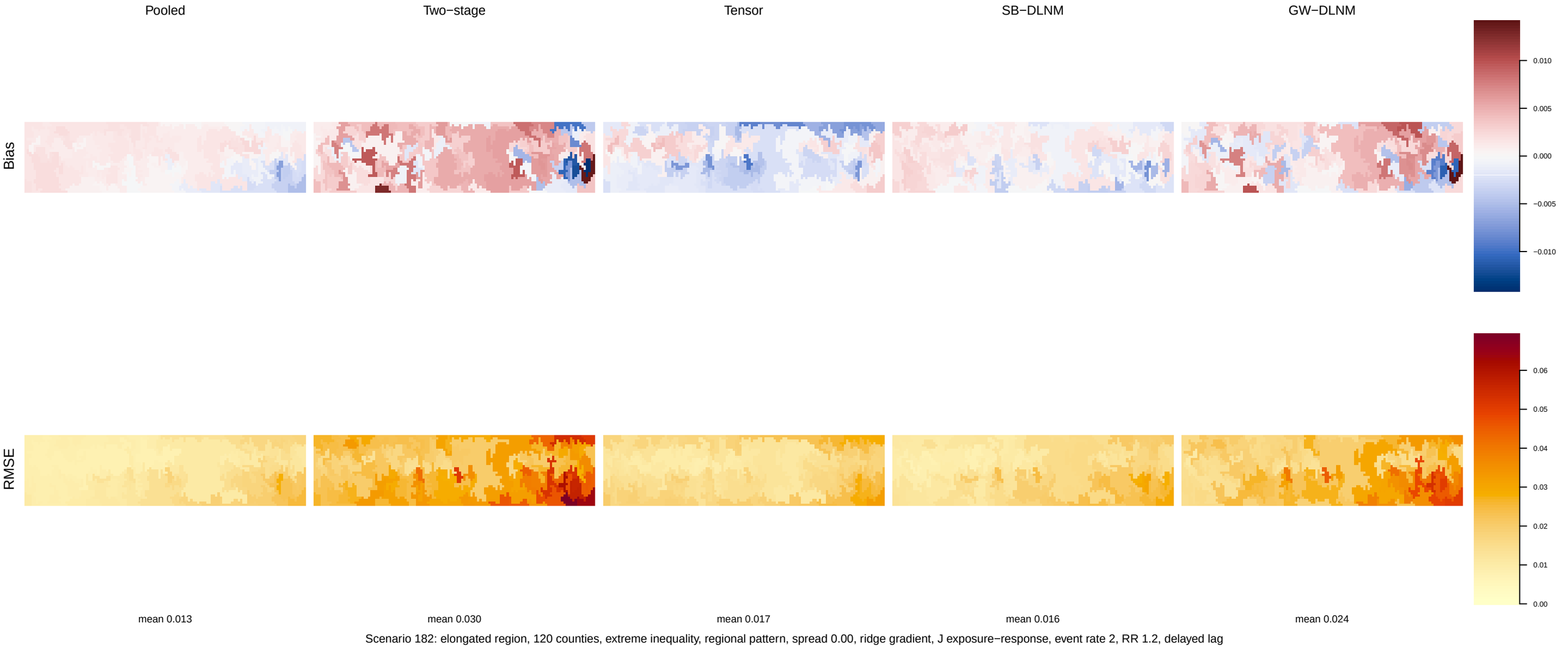
Scenario 806: elongated region, 120 counties, moderate inequality, independent pattern, spread 0.50, valley gradient, threshold exposure−response, event rate 0.5, RR 1.2, decay lag



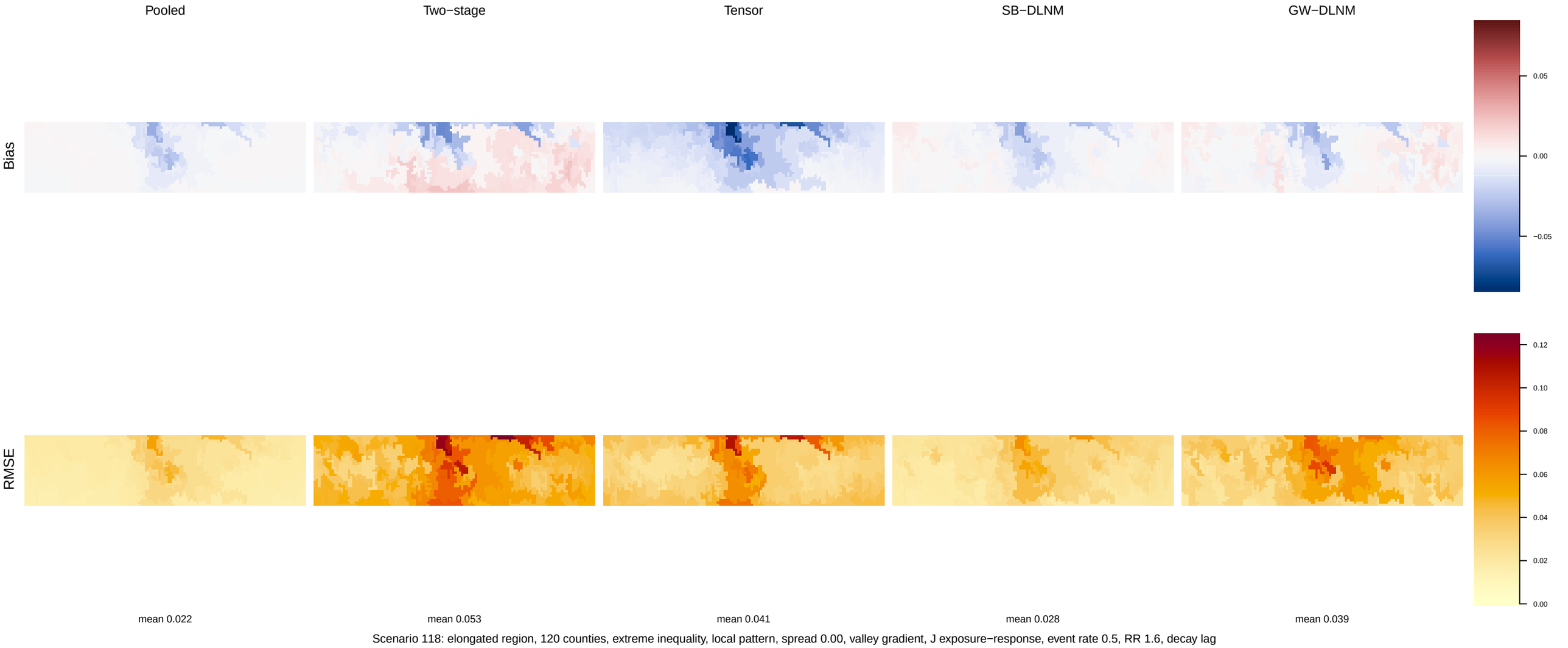
Scenario 54: elongated region, 120 counties, extreme inequality, independent pattern, spread 0.00, edges gradient, J exposure−response, event rate 0.125, RR 1.0, short lag



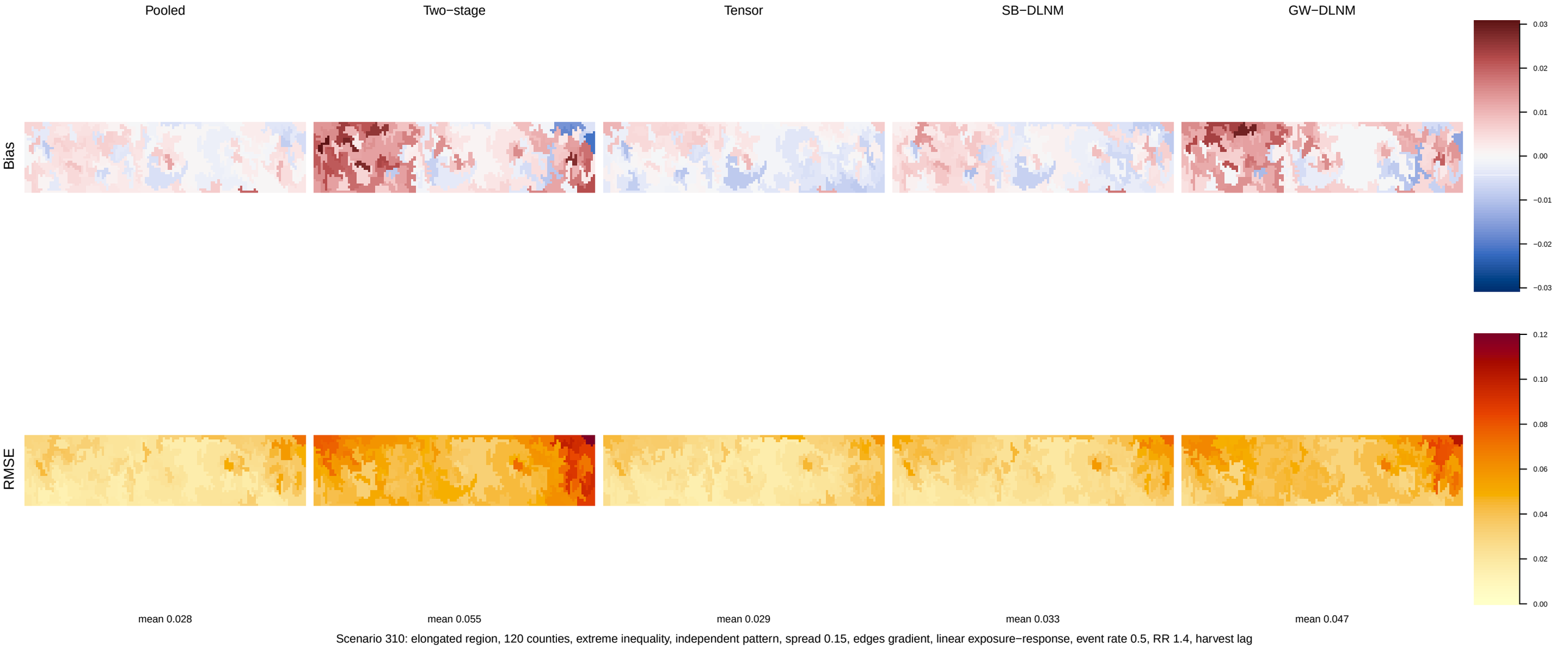
Scenario 246: elongated region, 120 counties, extreme inequality, boundary pattern, spread 0.00, NS gradient, J exposure−response, event rate 8, RR 1.4, harvest lag



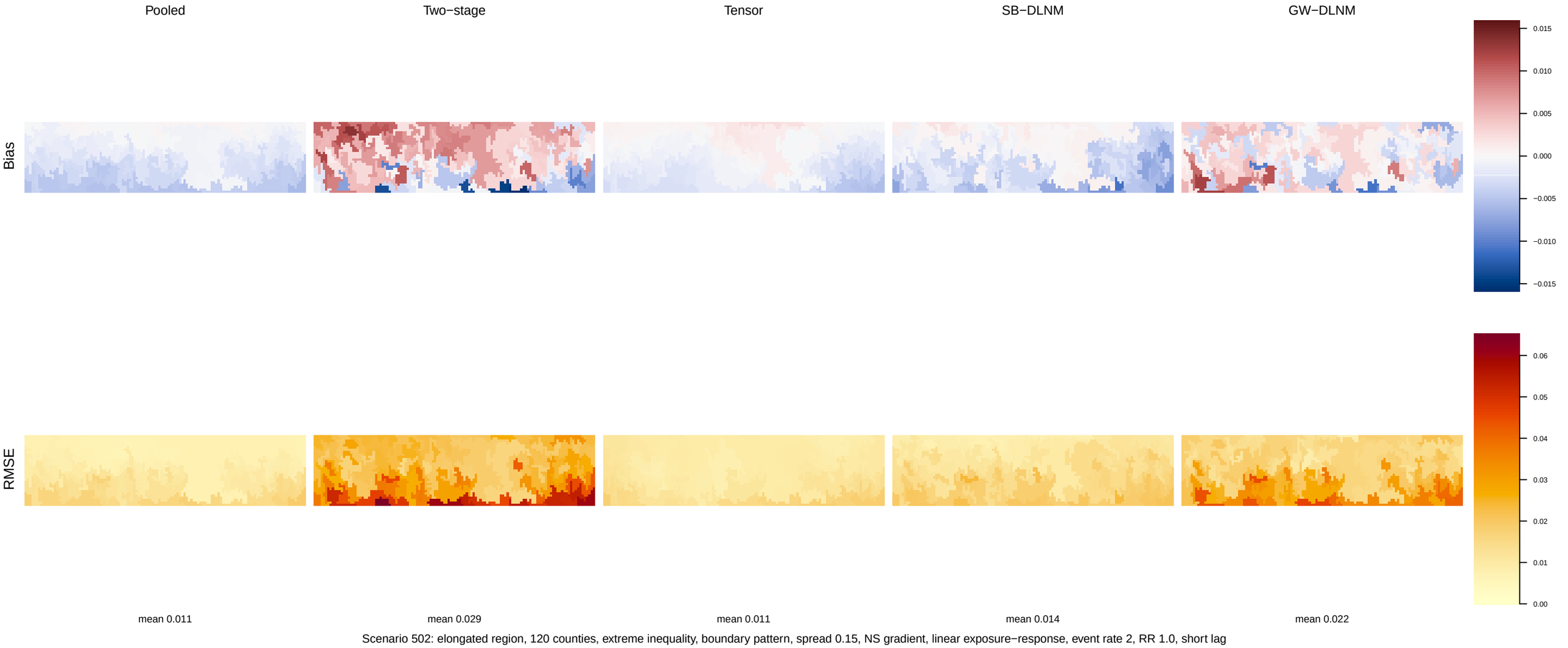
Scenario 182: elongated region, 120 counties, extreme inequality, regional pattern, spread 0.00, ridge gradient, J exposure−response, event rate 2, RR 1.2, delayed lag



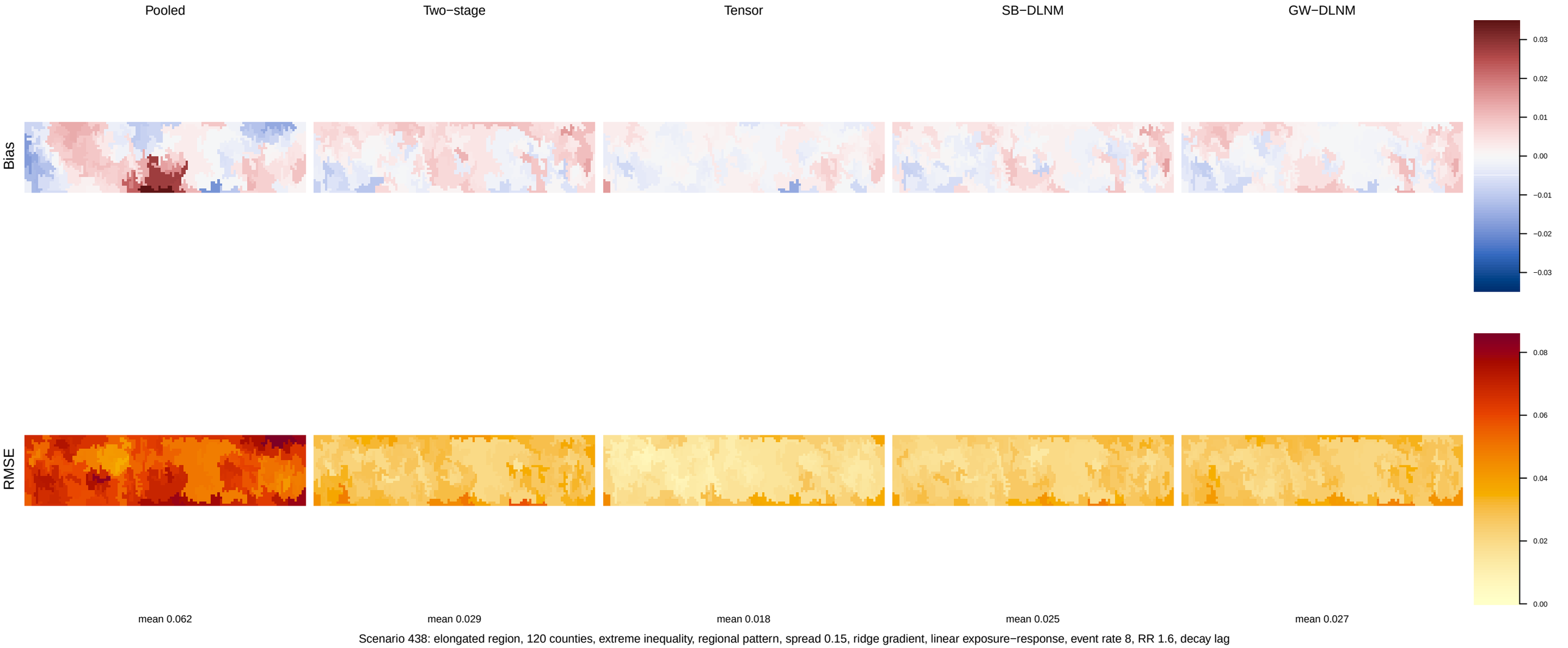
Scenario 118: elongated region, 120 counties, extreme inequality, local pattern, spread 0.00, valley gradient, J exposure−response, event rate 0.5, RR 1.6, decay lag



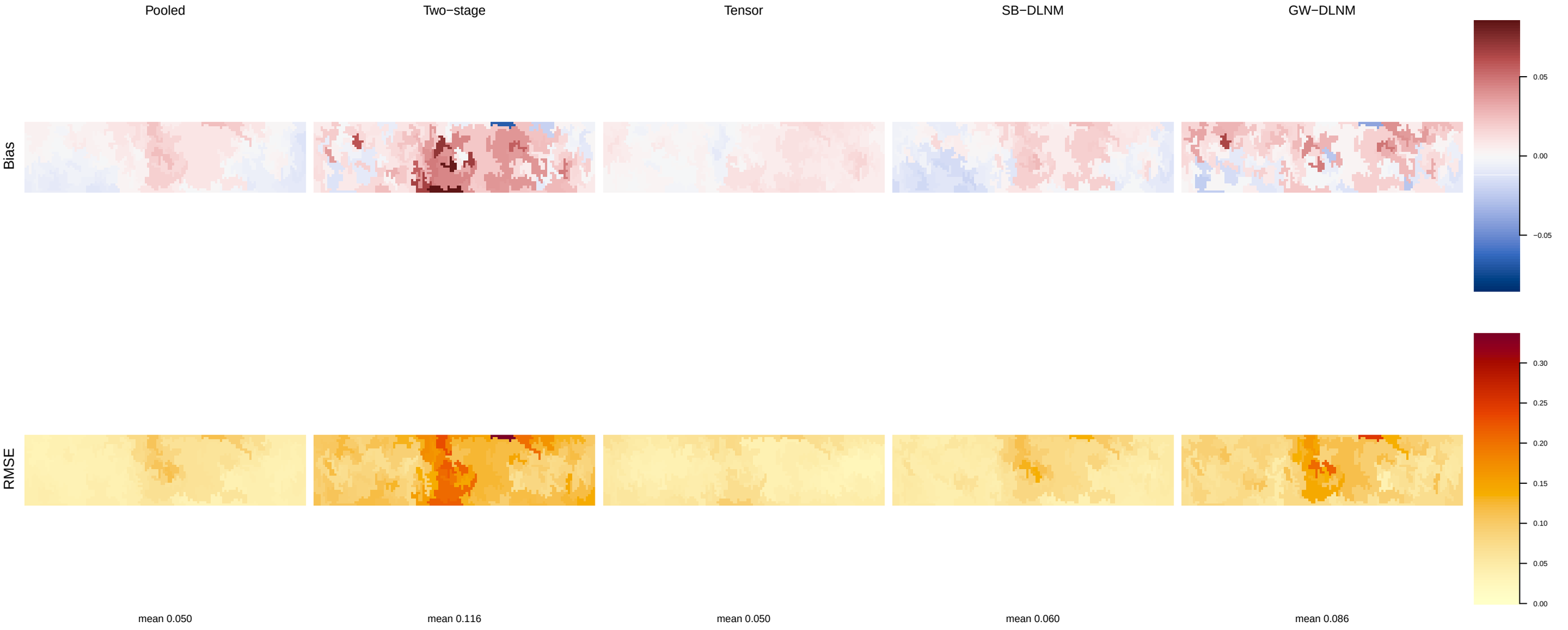
Scenario 310: elongated region, 120 counties, extreme inequality, independent pattern, spread 0.15, edges gradient, linear exposure−response, event rate 0.5, RR 1.4, harvest lag



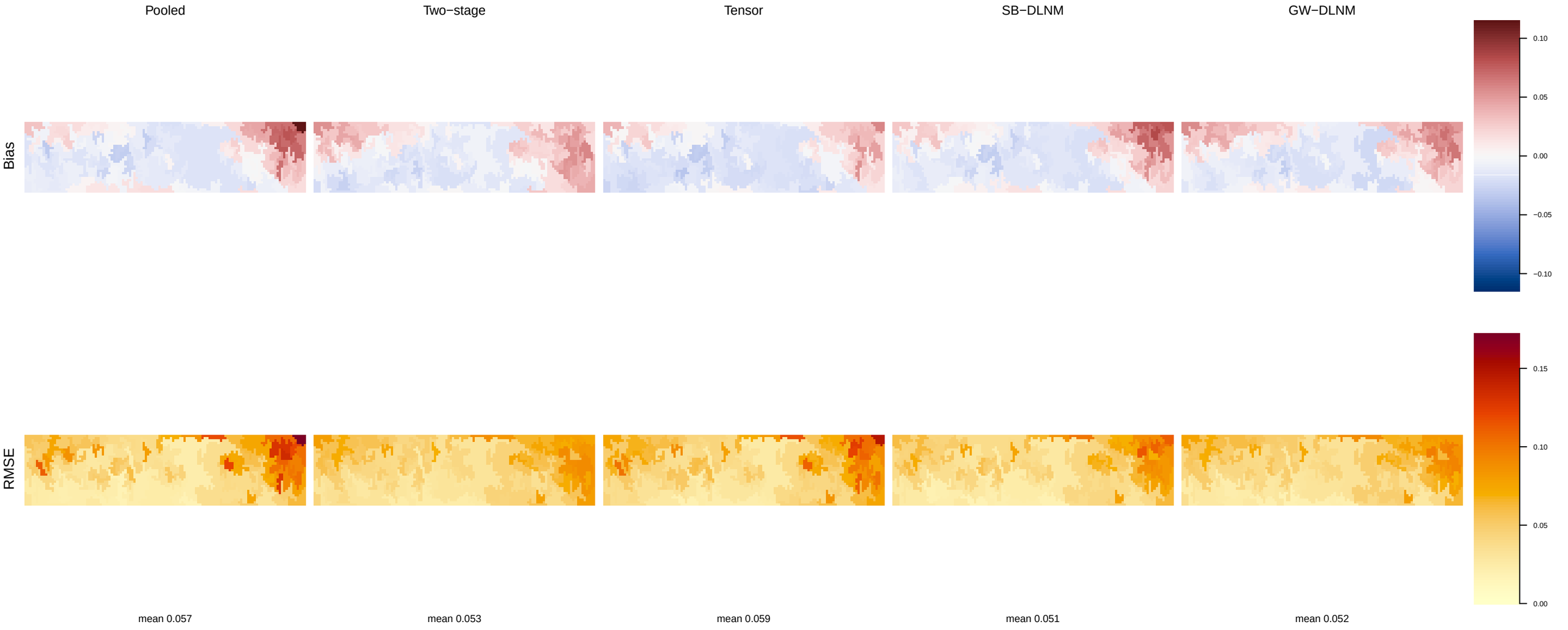
Scenario 502: elongated region, 120 counties, extreme inequality, boundary pattern, spread 0.15, NS gradient, linear exposure−response, event rate 2, RR 1.0, short lag



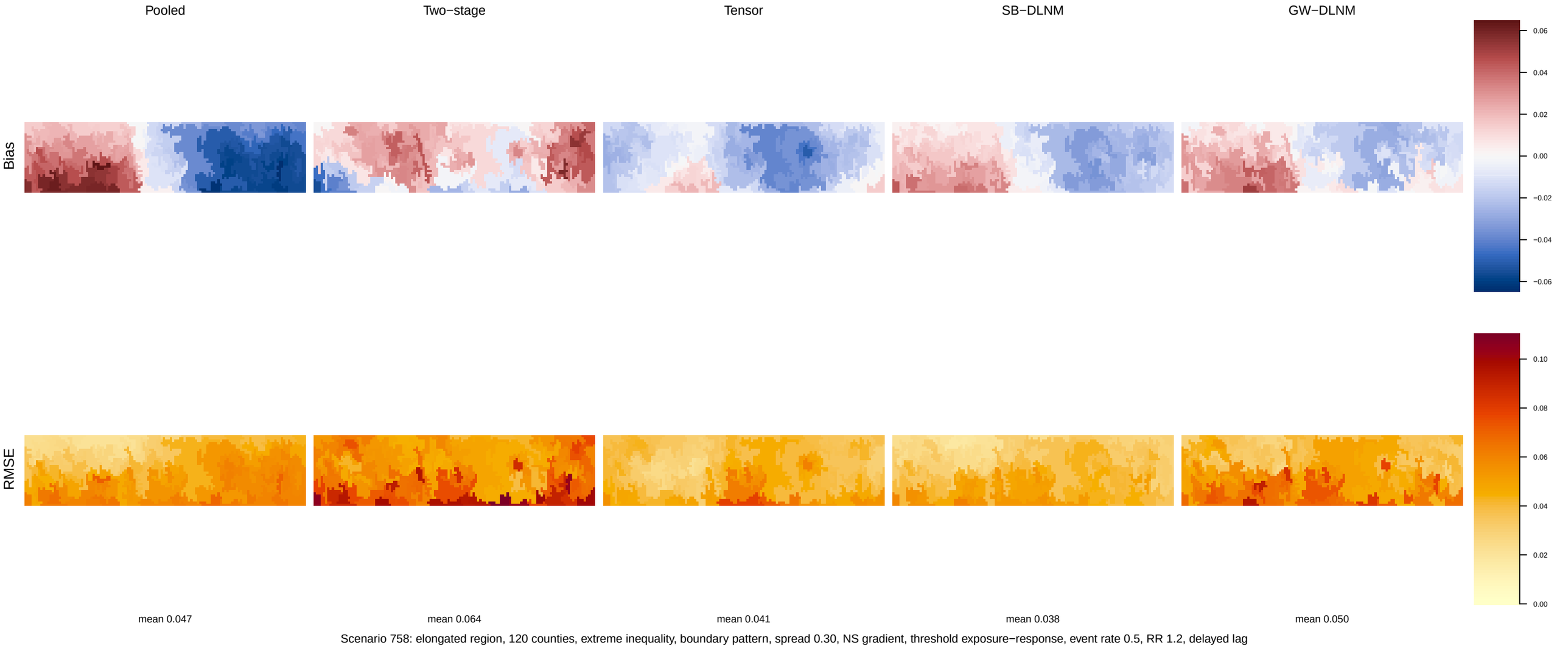
Scenario 438: elongated region, 120 counties, extreme inequality, regional pattern, spread 0.15, ridge gradient, linear exposure−response, event rate 8, RR 1.6, decay lag



Scenario 374: elongated region, 120 counties, extreme inequality, local pattern, spread 0.15, valley gradient, linear exposure−response, event rate 0.125, RR 1.2, delayed lag



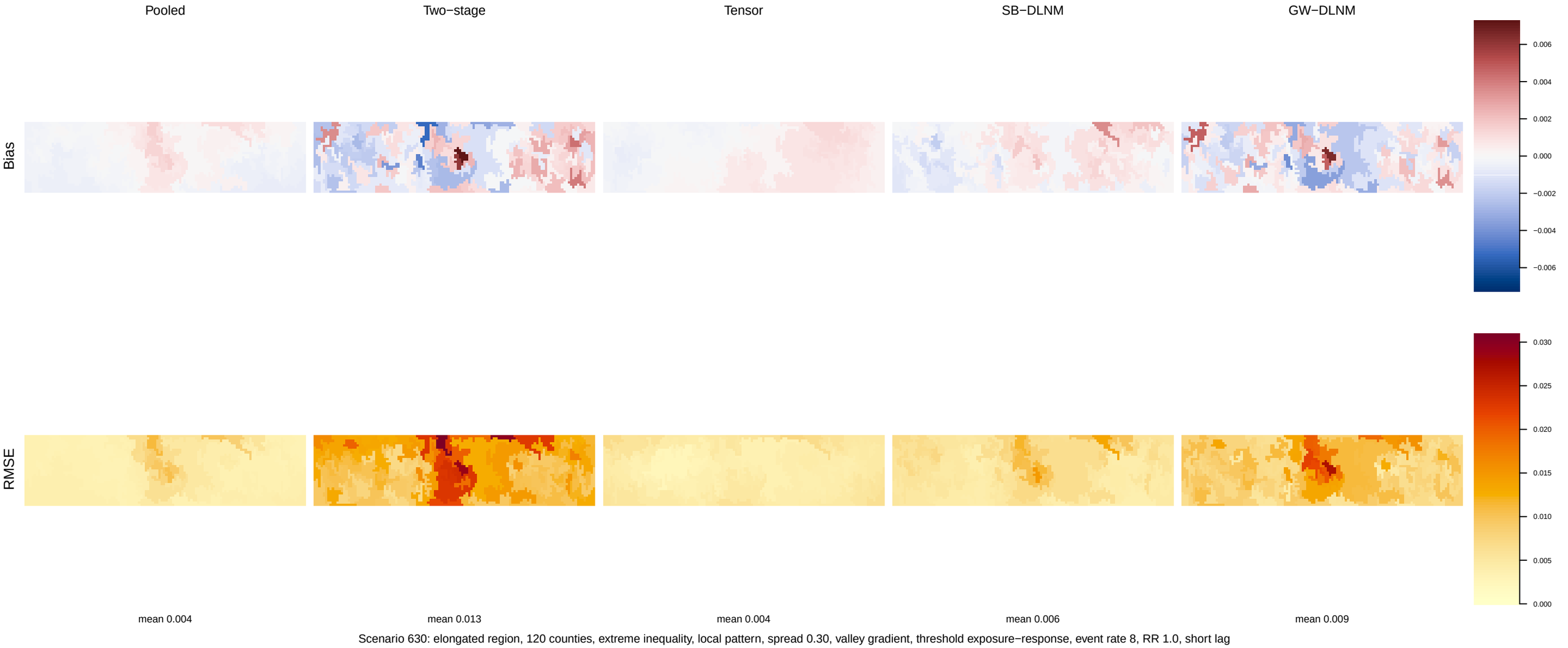
Scenario 566: elongated region, 120 counties, extreme inequality, independent pattern, spread 0.30, edges gradient, threshold exposure−response, event rate 2, RR 1.6, decay lag



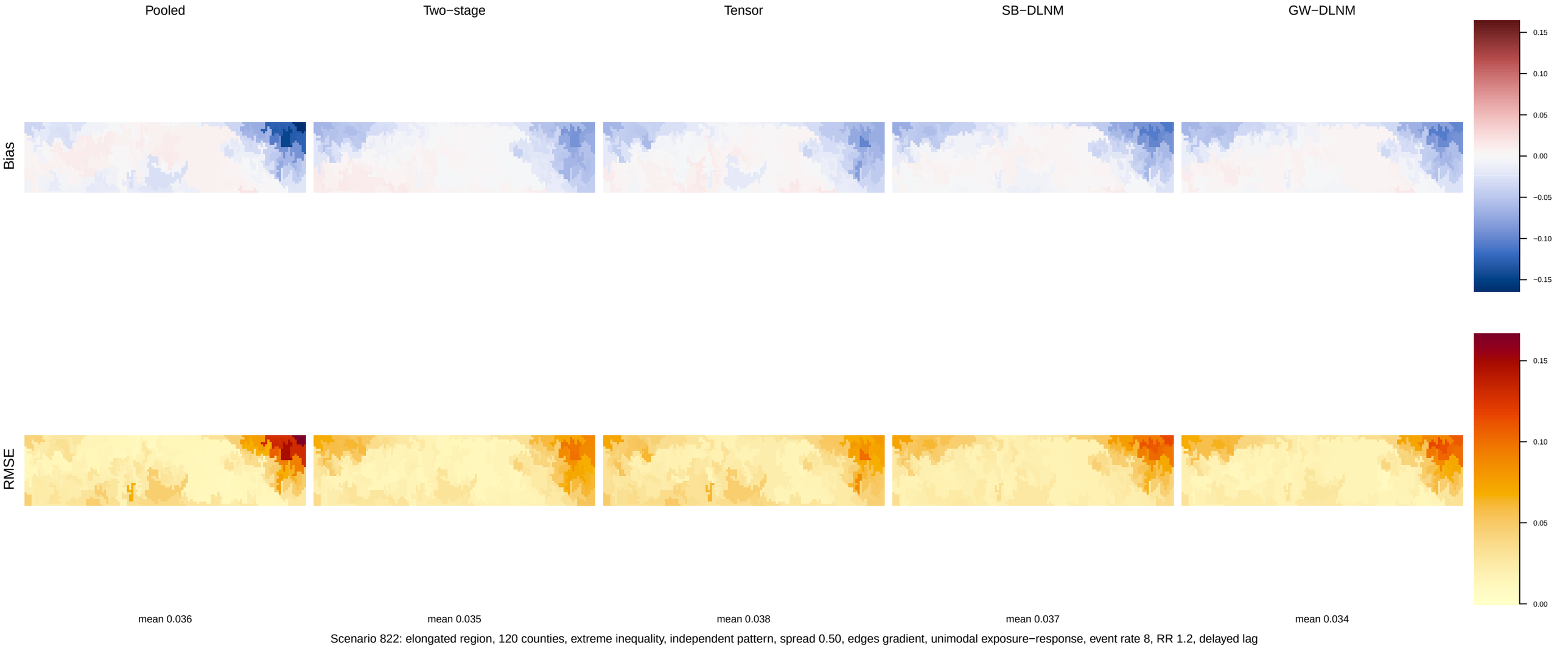
Scenario 758: elongated region, 120 counties, extreme inequality, boundary pattern, spread 0.30, NS gradient, threshold exposure−response, event rate 0.5, RR 1.2, delayed lag



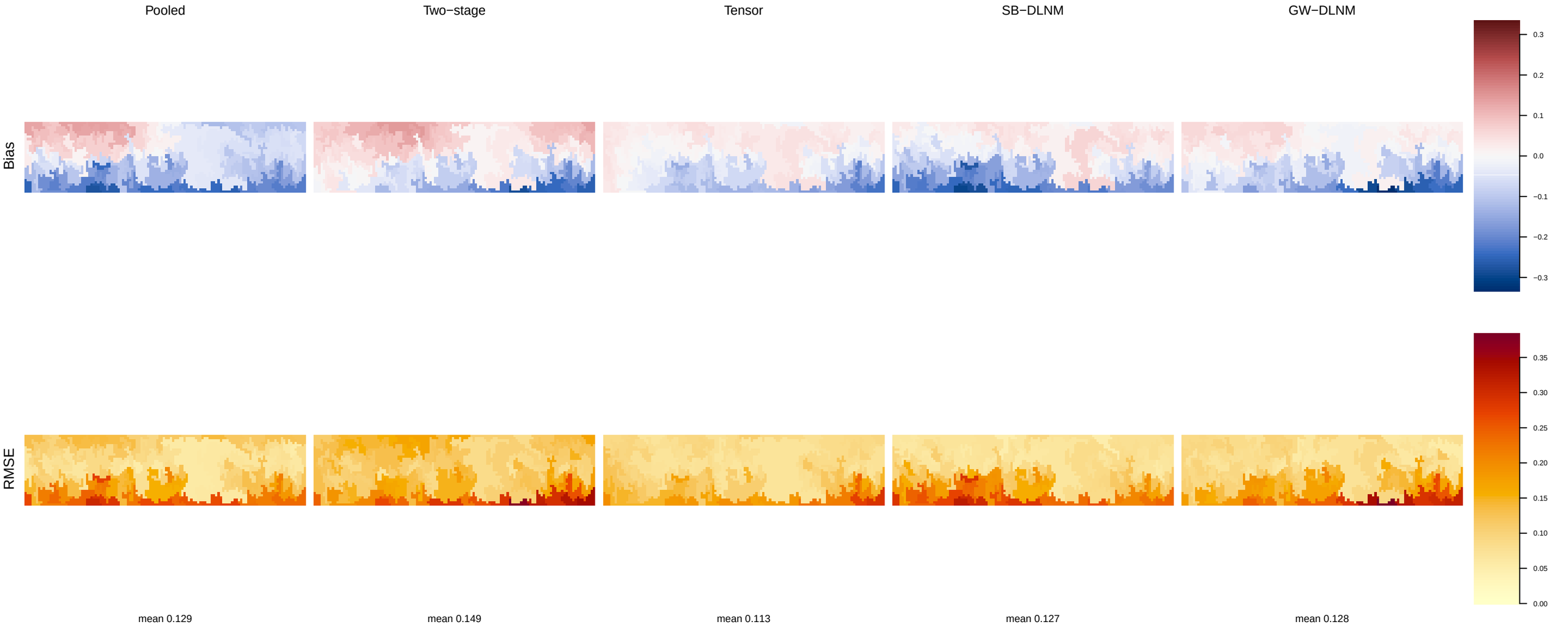
Scenario 694: elongated region, 120 counties, extreme inequality, regional pattern, spread 0.30, ridge gradient, threshold exposure−response, event rate 0.125, RR 1.4, harvest lag



Scenario 630: elongated region, 120 counties, extreme inequality, local pattern, spread 0.30, valley gradient, threshold exposure−response, event rate 8, RR 1.0, short lag



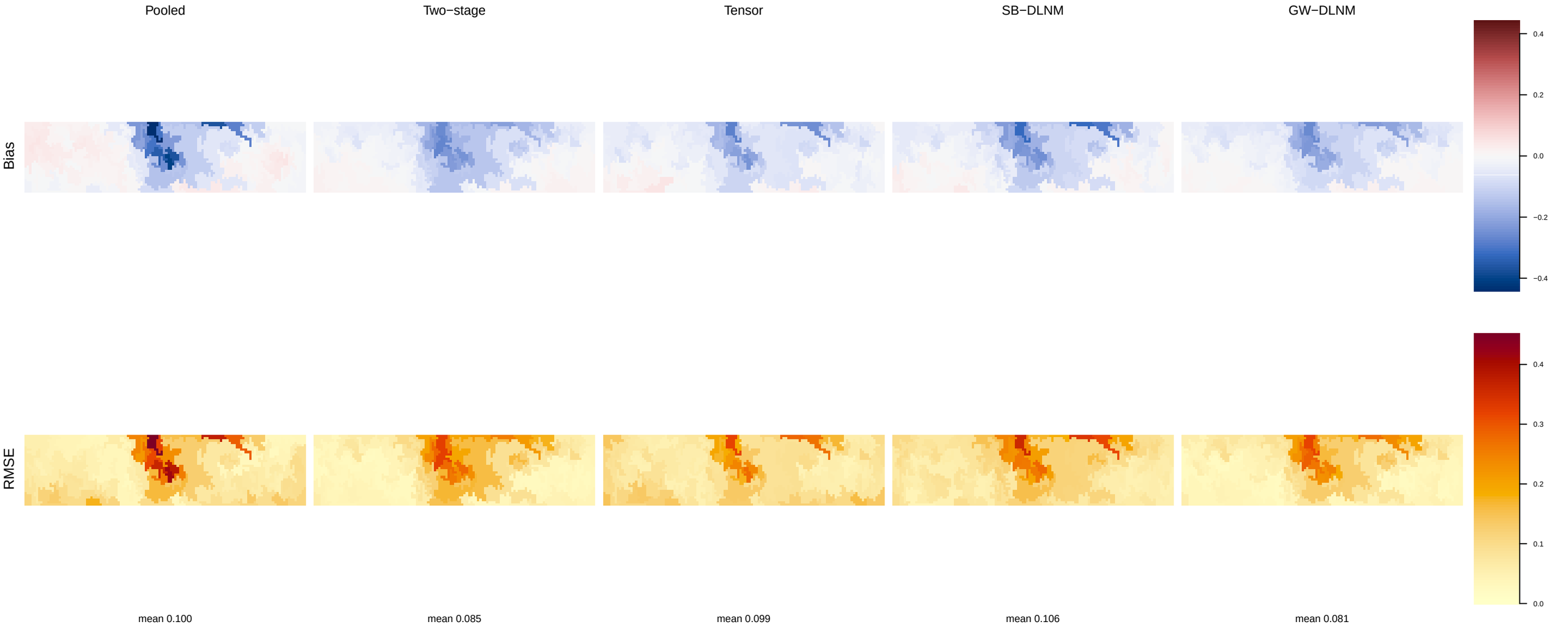
Scenario 822: elongated region, 120 counties, extreme inequality, independent pattern, spread 0.50, edges gradient, unimodal exposure−response, event rate 8, RR 1.2, delayed lag



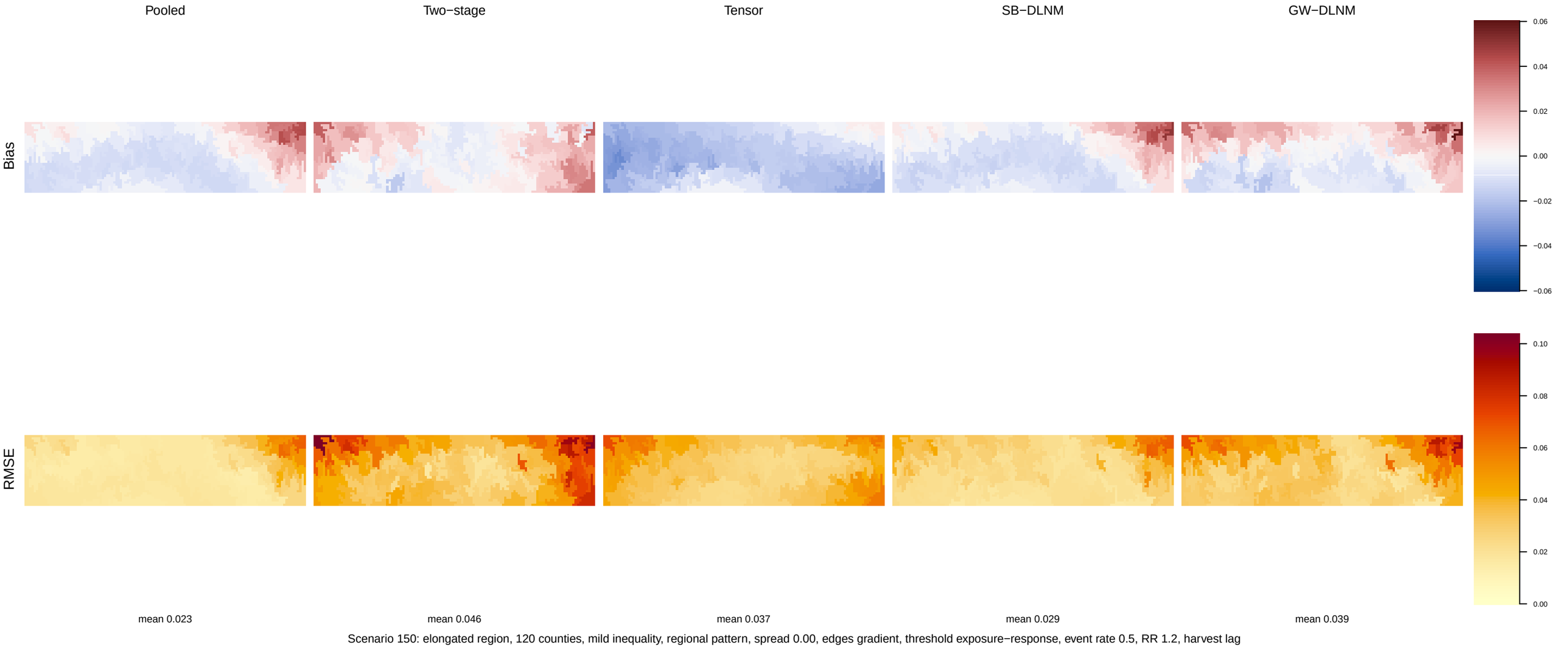
Scenario 1014: elongated region, 120 counties, extreme inequality, boundary pattern, spread 0.50, NS gradient, unimodal exposure−response, event rate 0.125, RR 1.6, decay lag



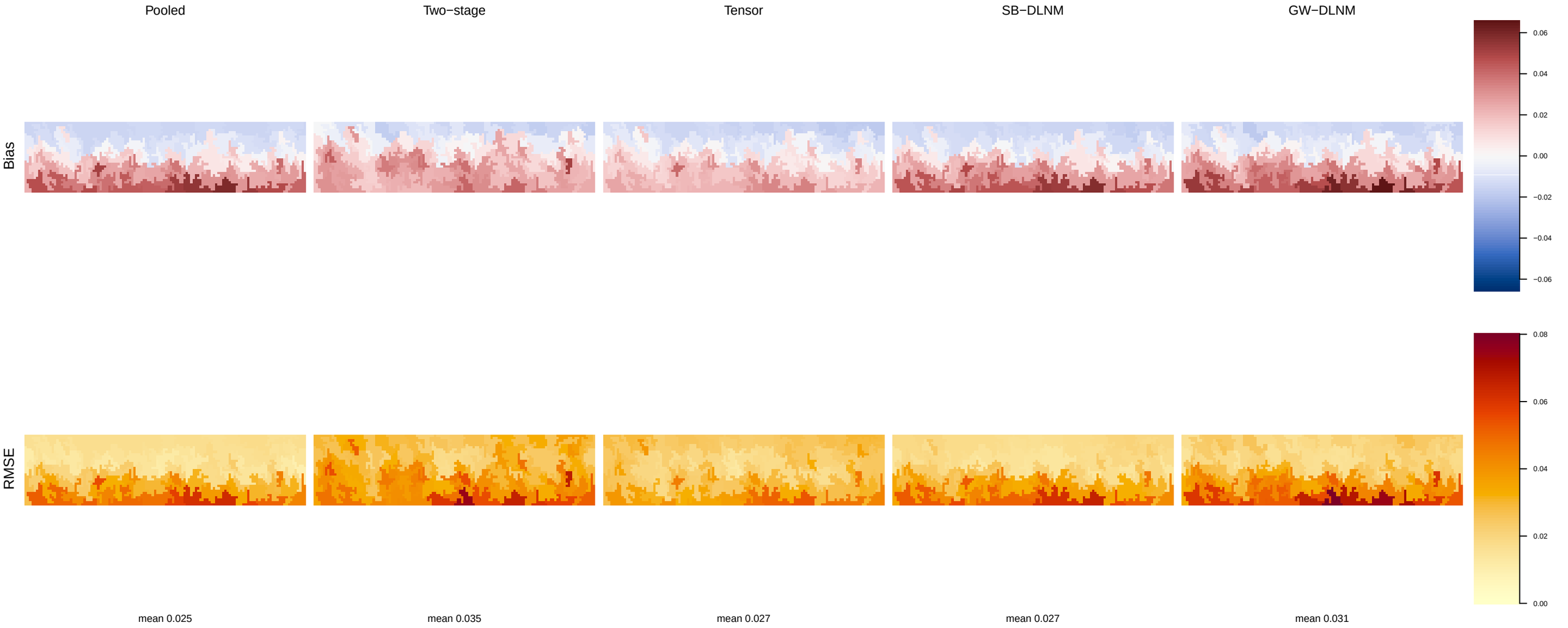
Scenario 950: elongated region, 120 counties, extreme inequality, regional pattern, spread 0.50, ridge gradient, unimodal exposure−response, event rate 0.5, RR 1.0, short lag



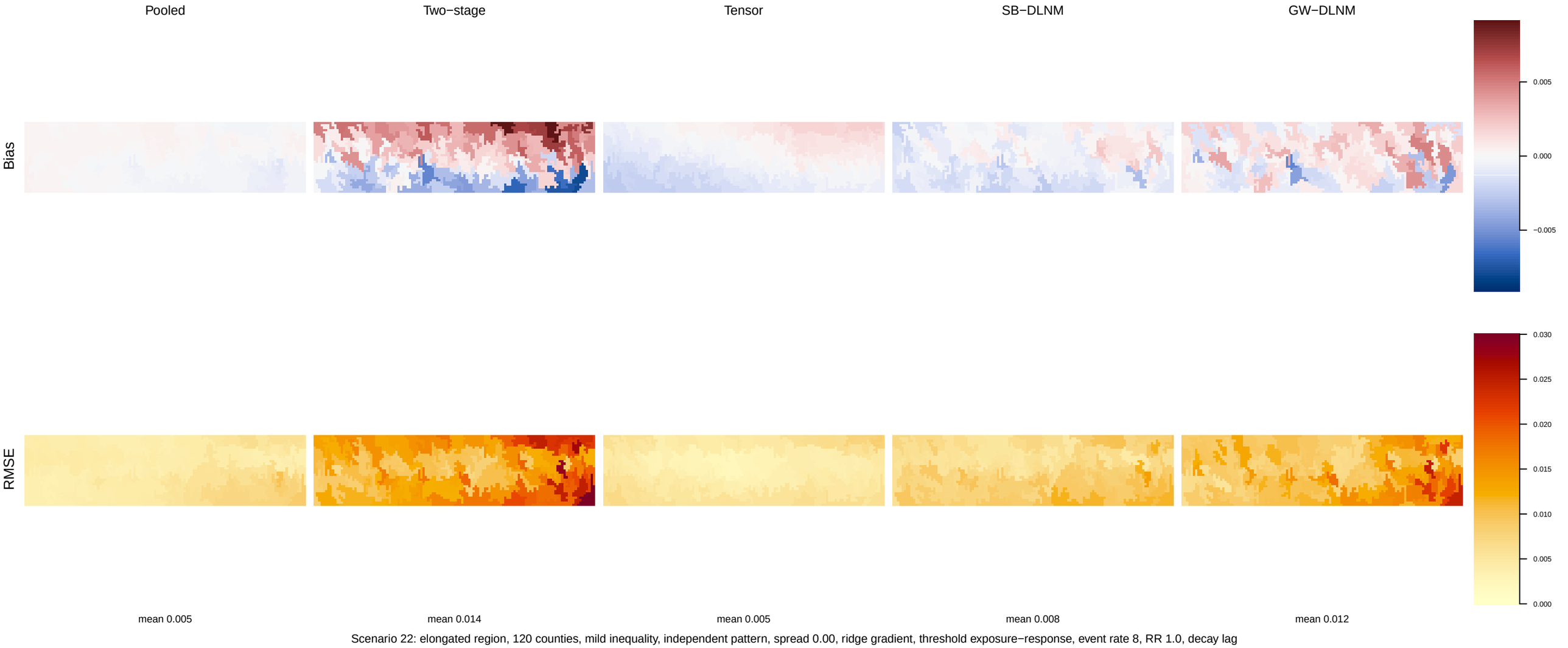
Scenario 886: elongated region, 120 counties, extreme inequality, local pattern, spread 0.50, valley gradient, unimodal exposure−response, event rate 2, RR 1.4, harvest lag



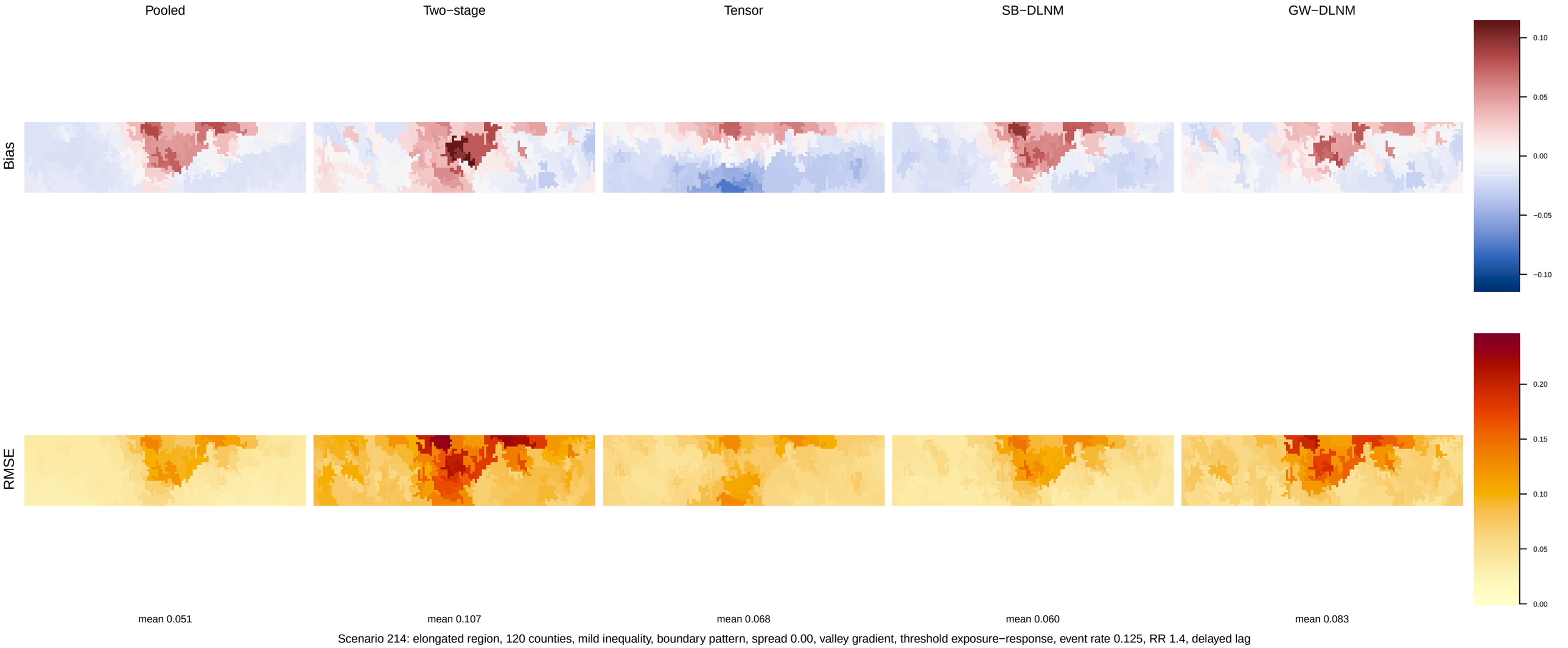
Scenario 150: elongated region, 120 counties, mild inequality, regional pattern, spread 0.00, edges gradient, threshold exposure−response, event rate 0.5, RR 1.2, harvest lag



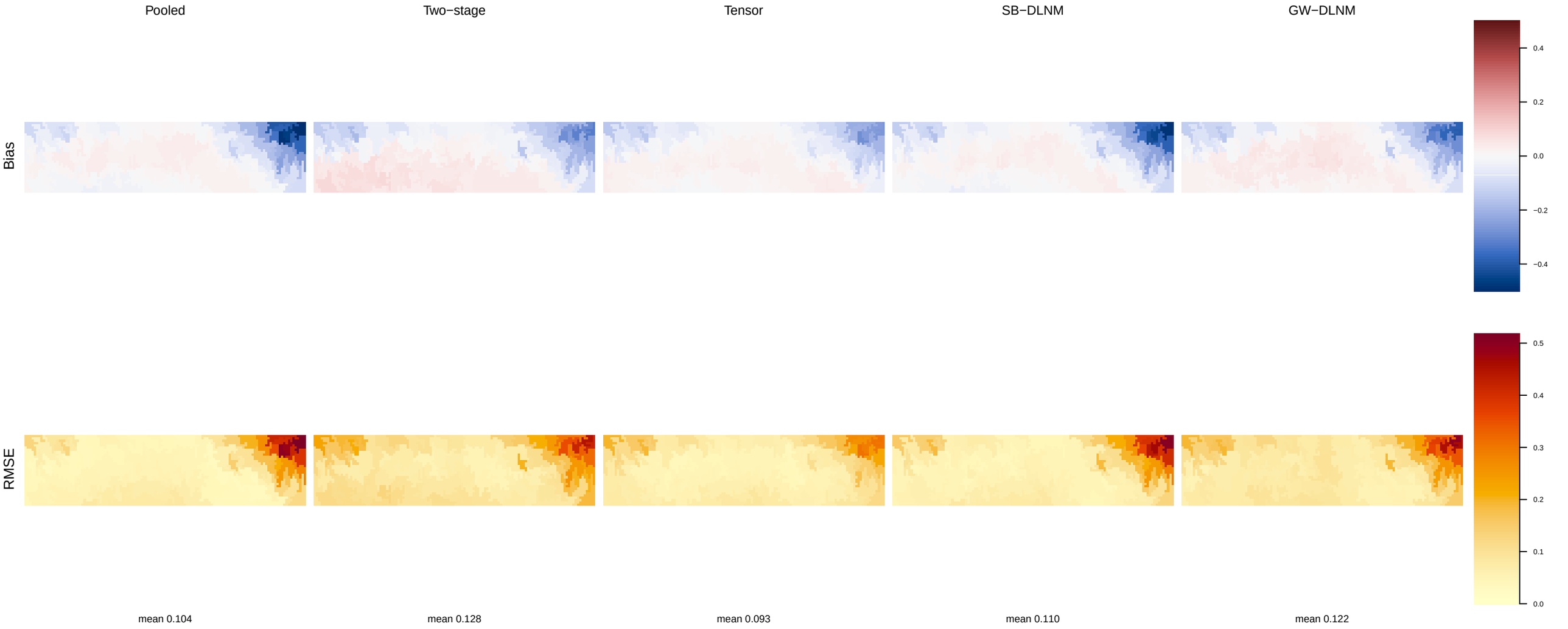
Scenario 86: elongated region, 120 counties, mild inequality, local pattern, spread 0.00, NS gradient, threshold exposure−response, event rate 2, RR 1.6, short lag



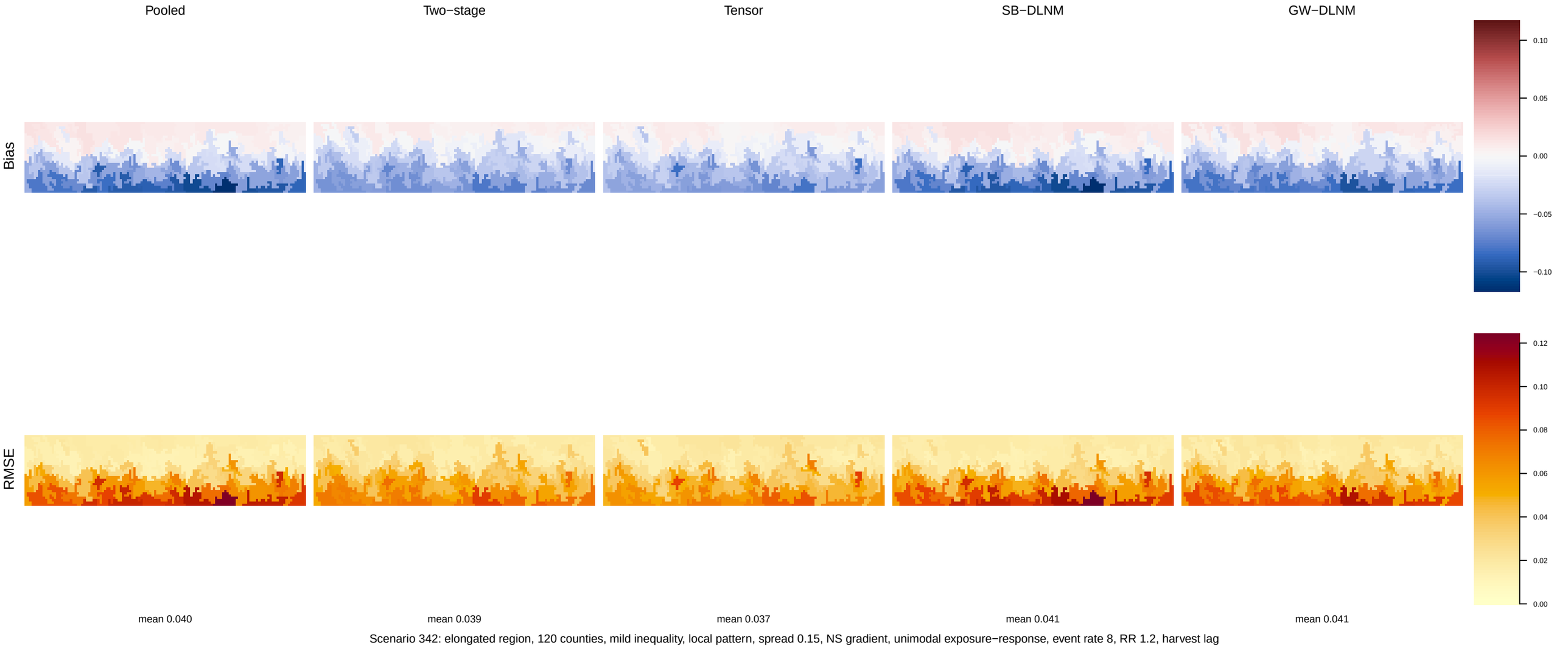
Scenario 22: elongated region, 120 counties, mild inequality, independent pattern, spread 0.00, ridge gradient, threshold exposure−response, event rate 8, RR 1.0, decay lag



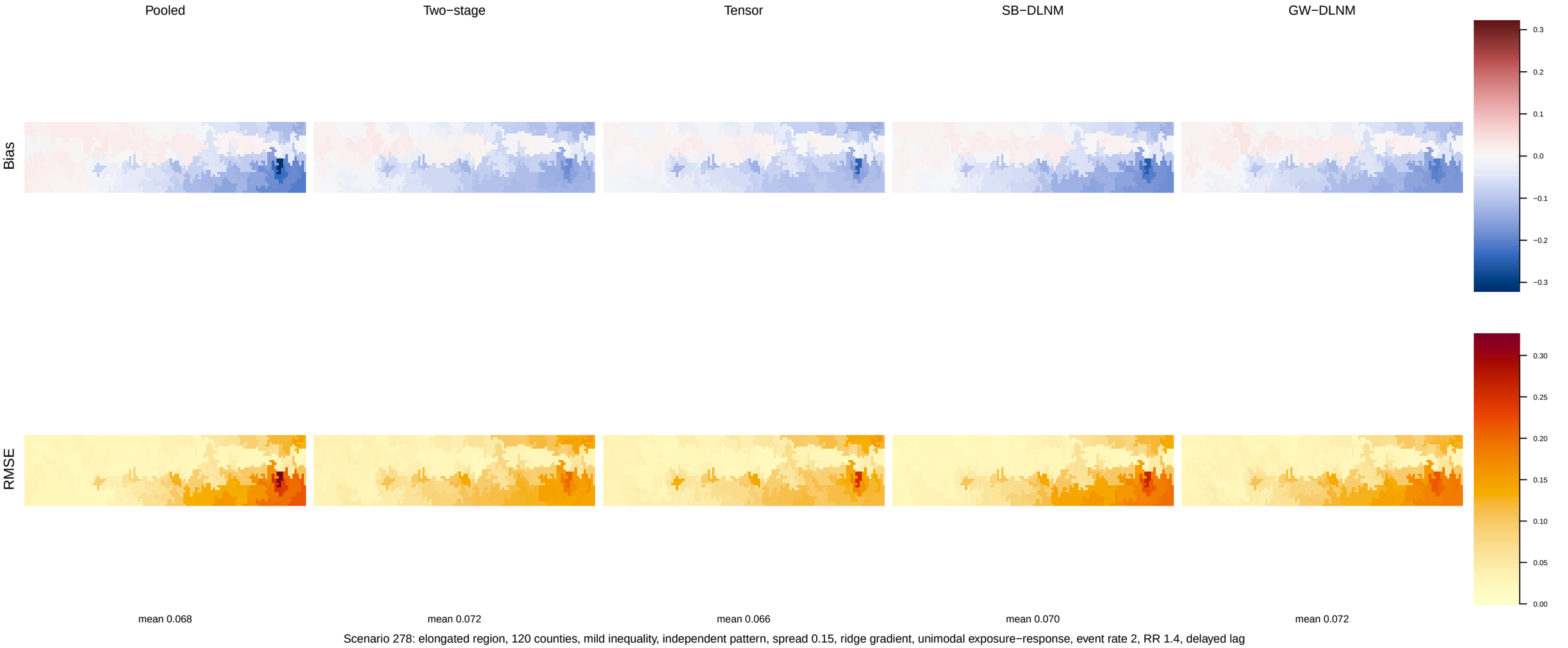
Scenario 214: elongated region, 120 counties, mild inequality, boundary pattern, spread 0.00, valley gradient, threshold exposure−response, event rate 0.125, RR 1.4, delayed lag



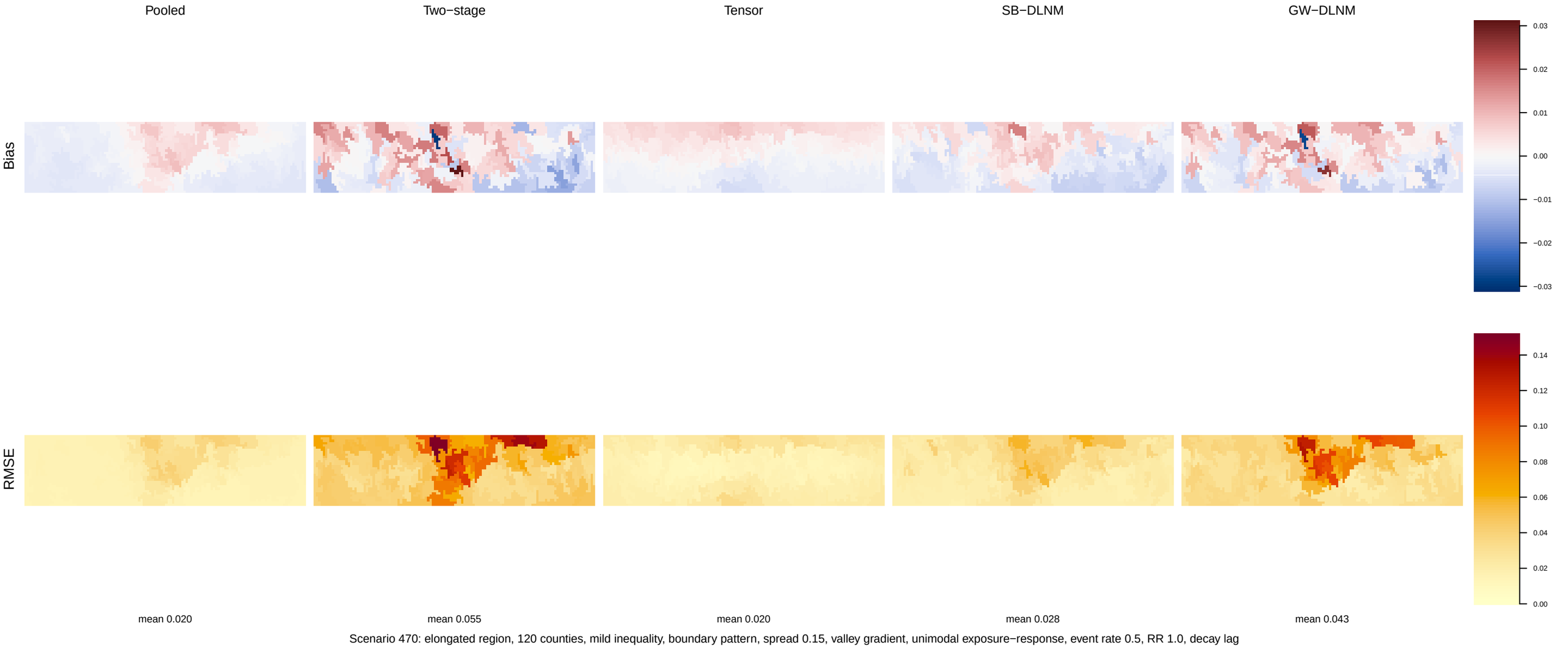
Scenario 406: elongated region, 120 counties, mild inequality, regional pattern, spread 0.15, edges gradient, unimodal exposure−response, event rate 0.125, RR 1.6, short lag



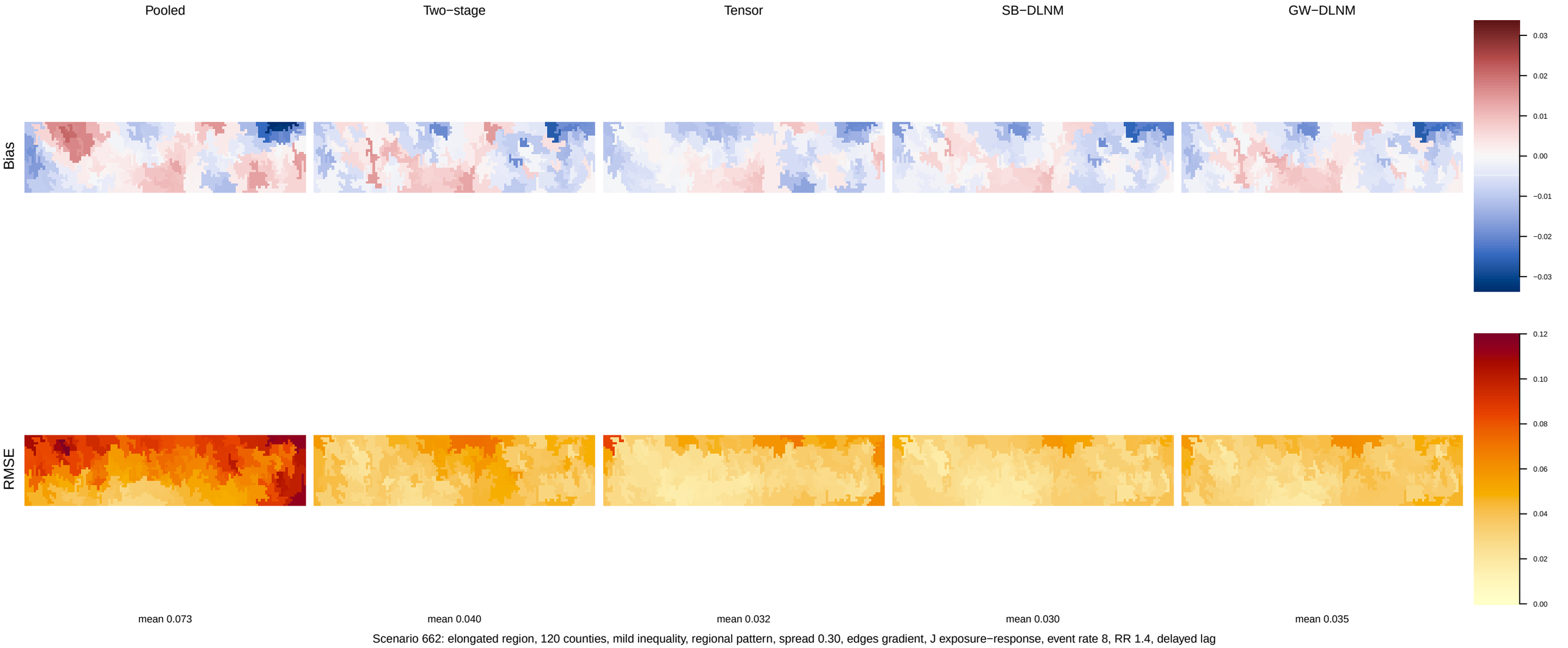
Scenario 342: elongated region, 120 counties, mild inequality, local pattern, spread 0.15, NS gradient, unimodal exposure−response, event rate 8, RR 1.2, harvest lag



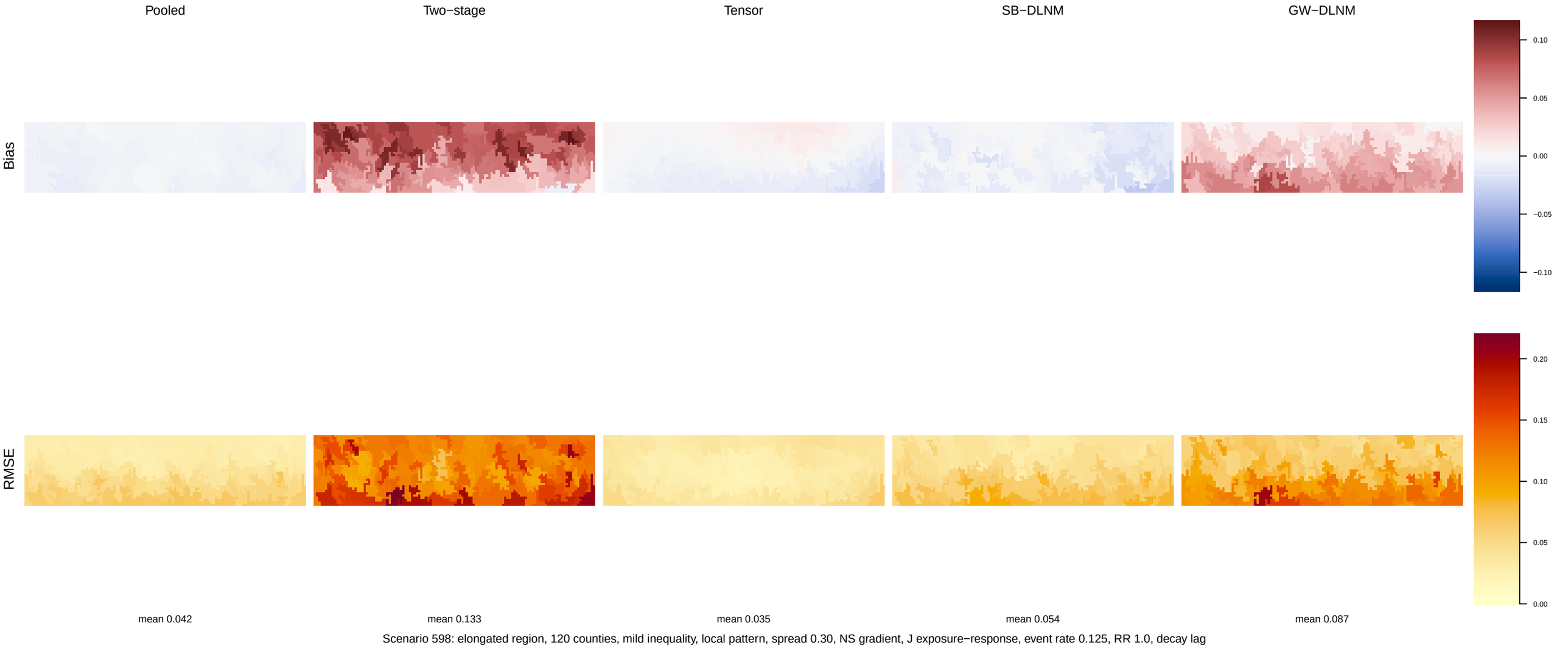
Scenario 278: elongated region, 120 counties, mild inequality, independent pattern, spread 0.15, ridge gradient, unimodal exposure−response, event rate 2, RR 1.4, delayed lag



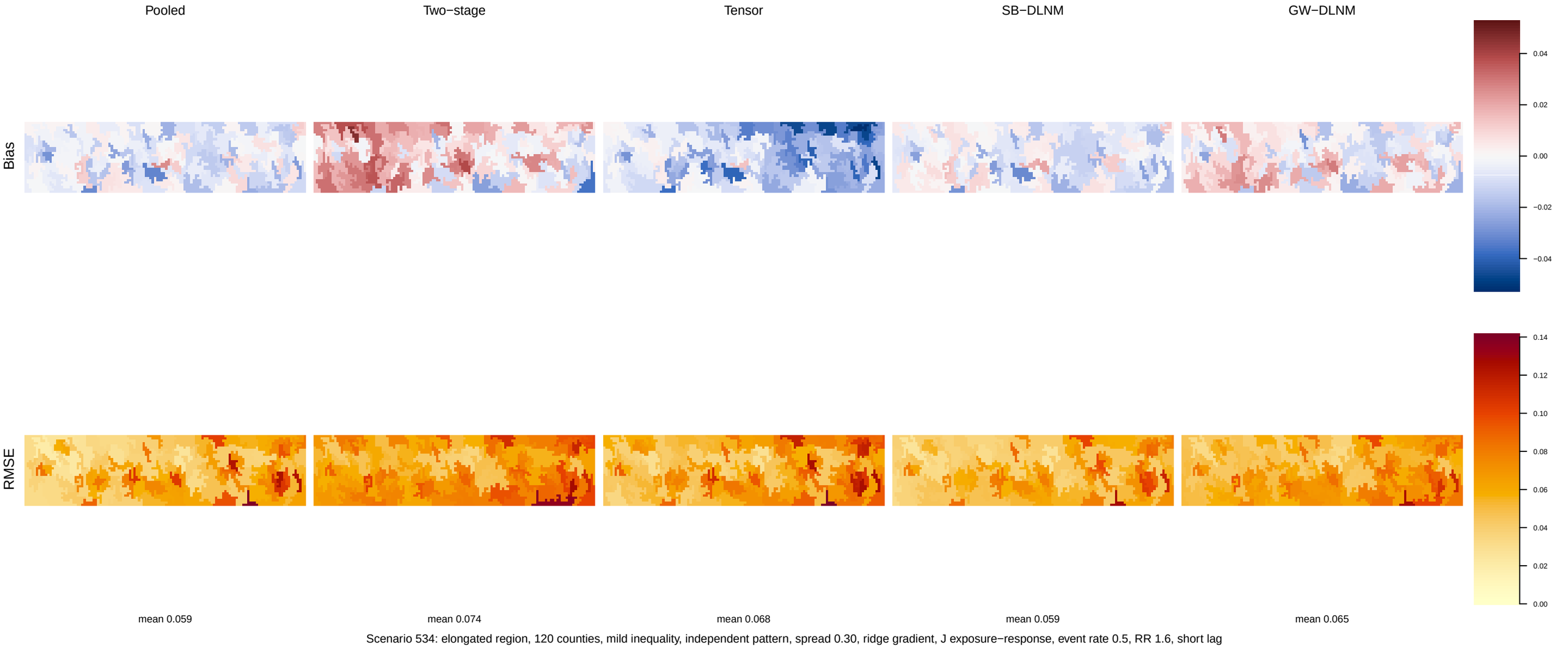
Scenario 470: elongated region, 120 counties, mild inequality, boundary pattern, spread 0.15, valley gradient, unimodal exposure−response, event rate 0.5, RR 1.0, decay lag

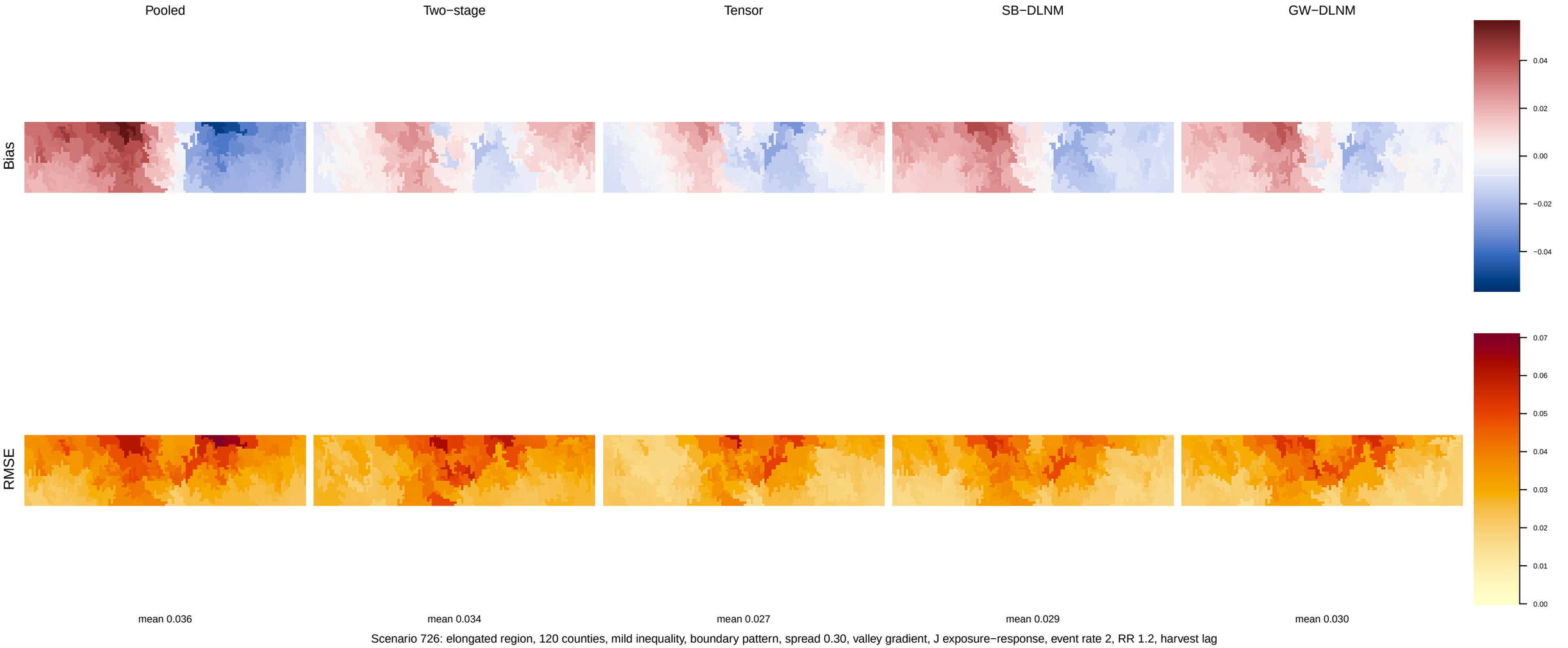


Scenario 662: elongated region, 120 counties, mild inequality, regional pattern, spread 0.30, edges gradient, J exposure−response, event rate 8, RR 1.4, delayed lag

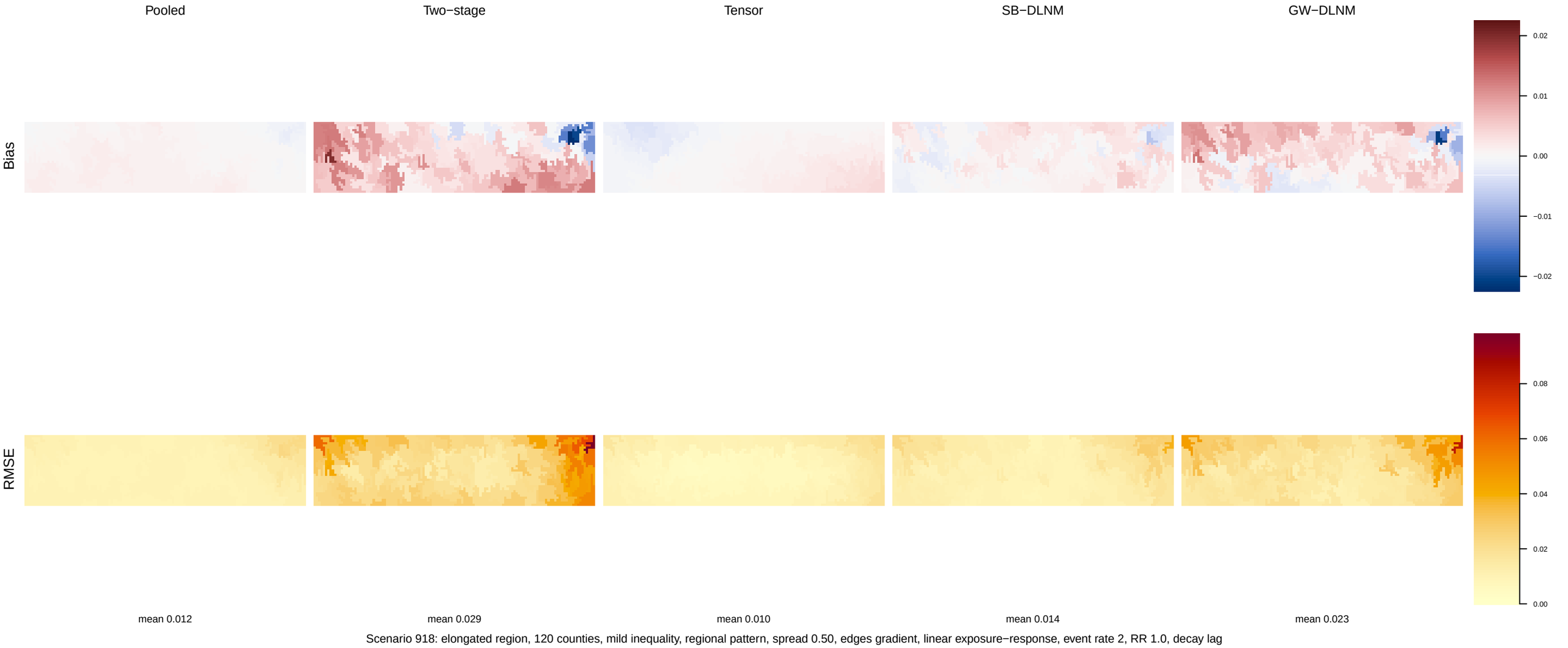


Scenario 598: elongated region, 120 counties, mild inequality, local pattern, spread 0.30, NS gradient, J exposure−response, event rate 0.125, RR 1.0, decay lag

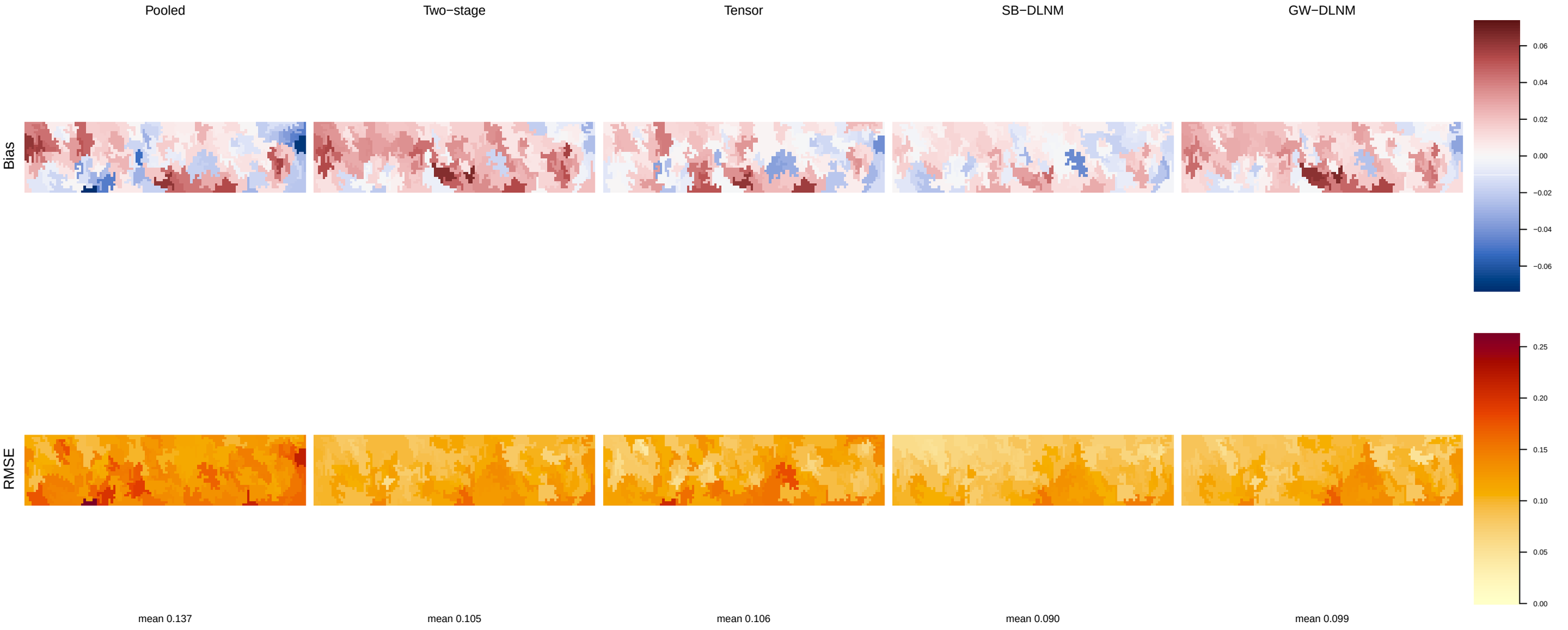

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.04
0.02
0.00
−0.02
−0.04
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
mean 0.059
mean 0.074
mean 0.068
mean 0.059
mean 0.065
Scenario 534: elongated region, 120 counties, mild inequality, independent pattern, spread 0.30, ridge gradient, J exposure−response, event rate 0.5, RR 1.6, short lag



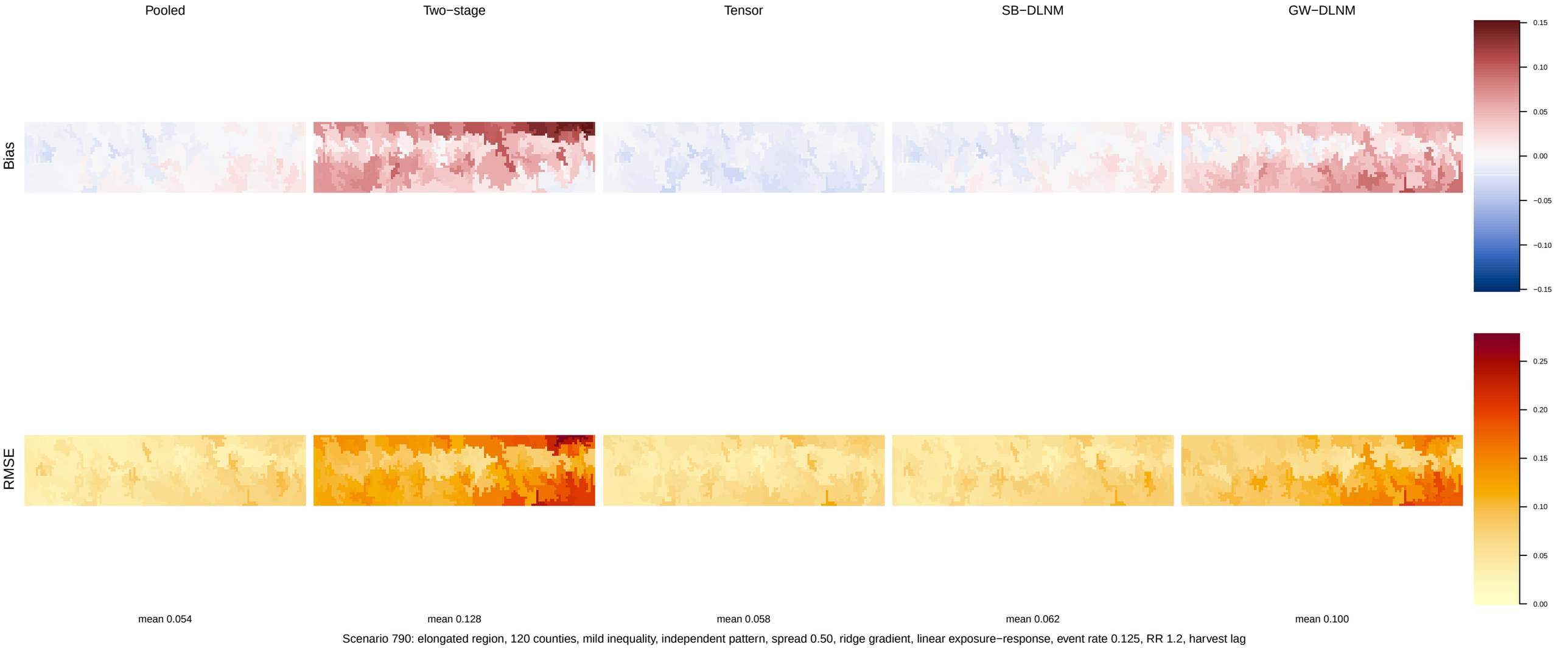
Scenario 726: elongated region, 120 counties, mild inequality, boundary pattern, spread 0.30, valley gradient, J exposure−response, event rate 2, RR 1.2, harvest lag



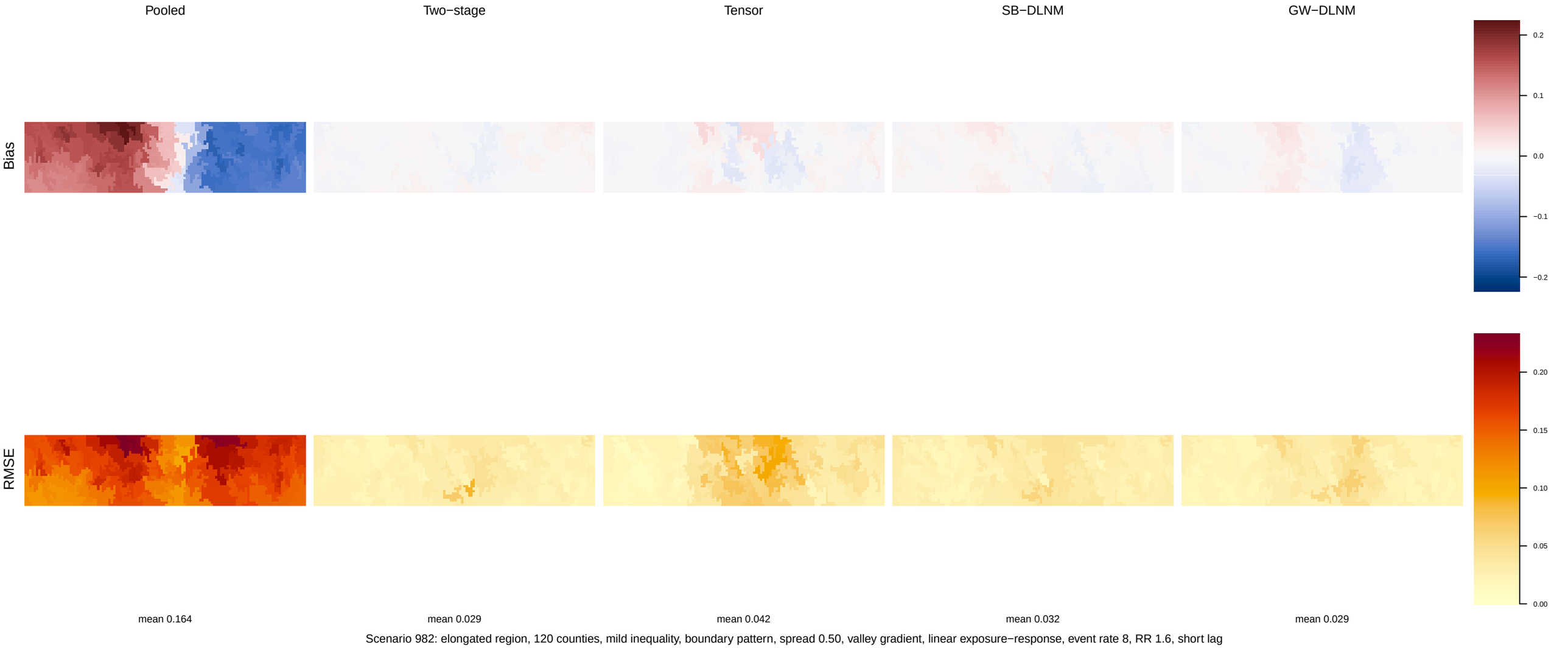
Scenario 918: elongated region, 120 counties, mild inequality, regional pattern, spread 0.50, edges gradient, linear exposure−response, event rate 2, RR 1.0, decay lag



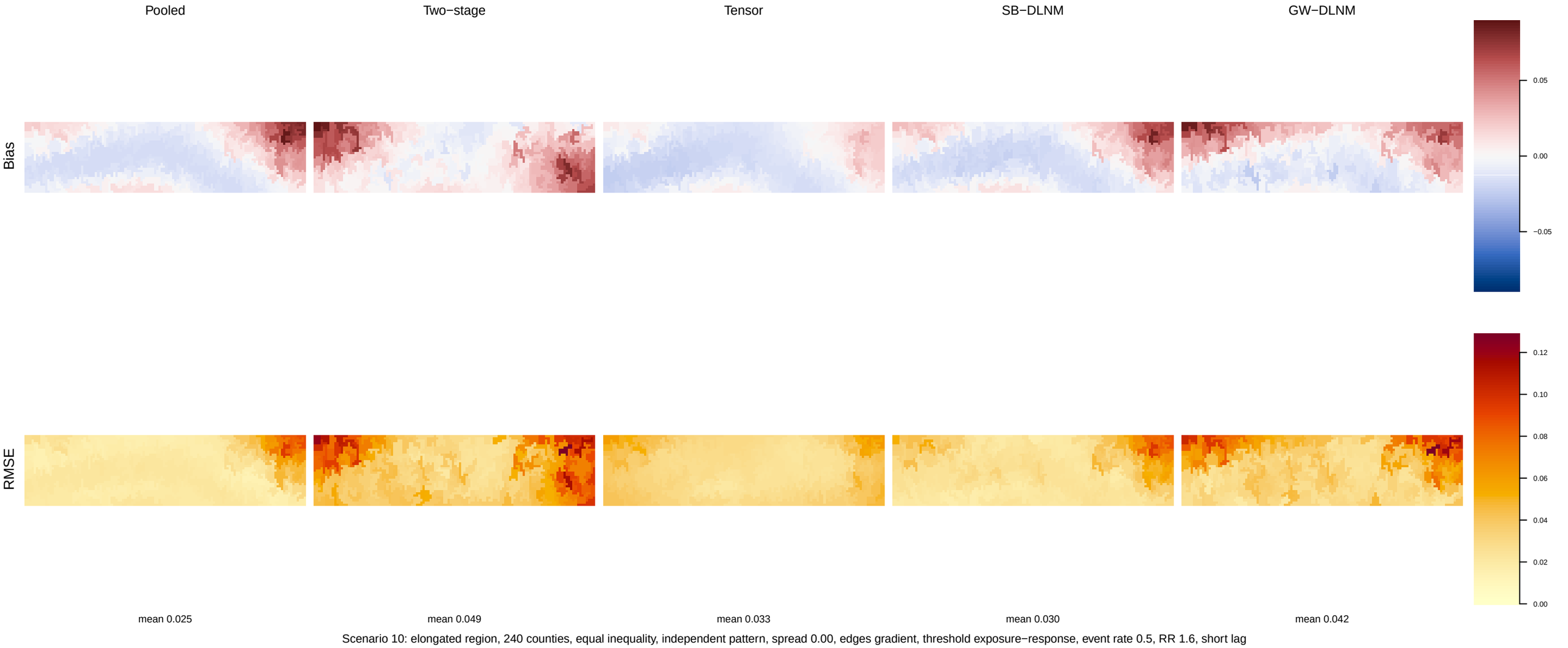
Scenario 854: elongated region, 120 counties, mild inequality, local pattern, spread 0.50, NS gradient, linear exposure−response, event rate 0.5, RR 1.4, delayed lag



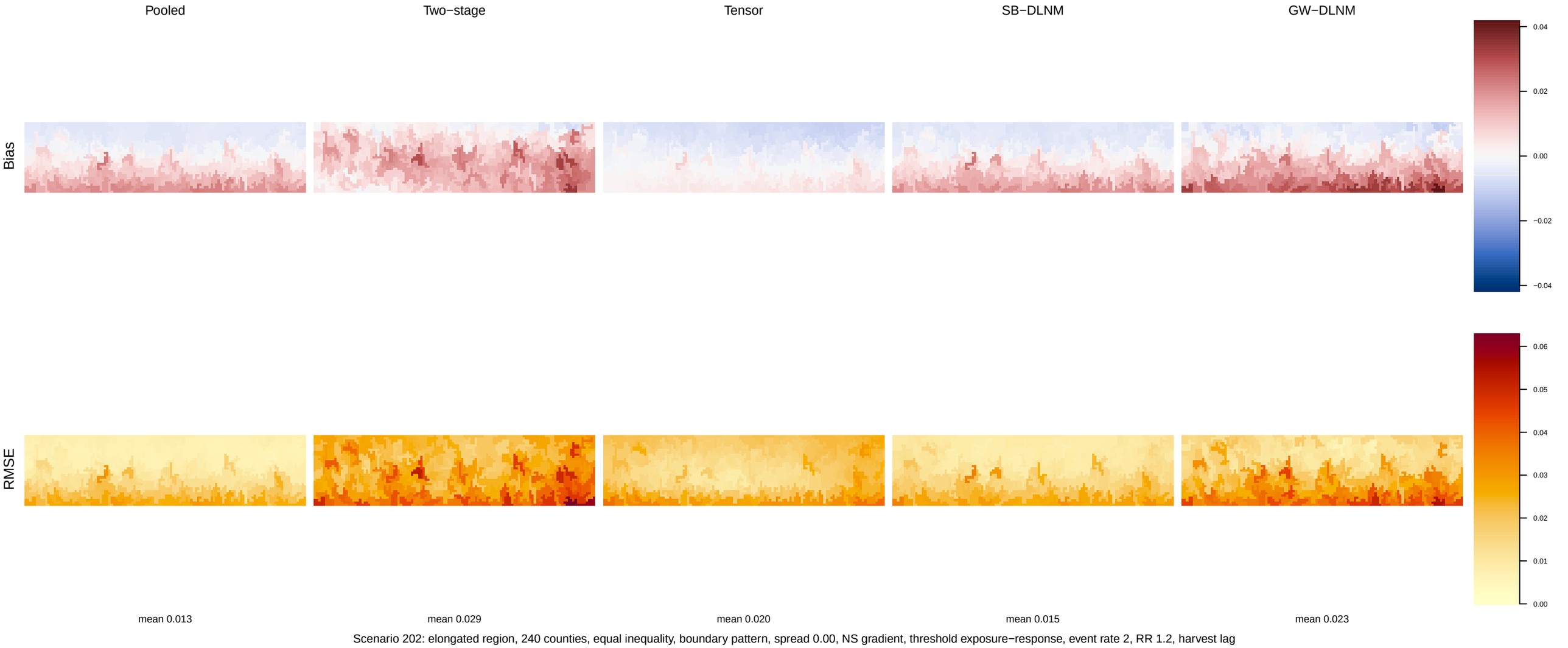
Scenario 790: elongated region, 120 counties, mild inequality, independent pattern, spread 0.50, ridge gradient, linear exposure−response, event rate 0.125, RR 1.2, harvest lag



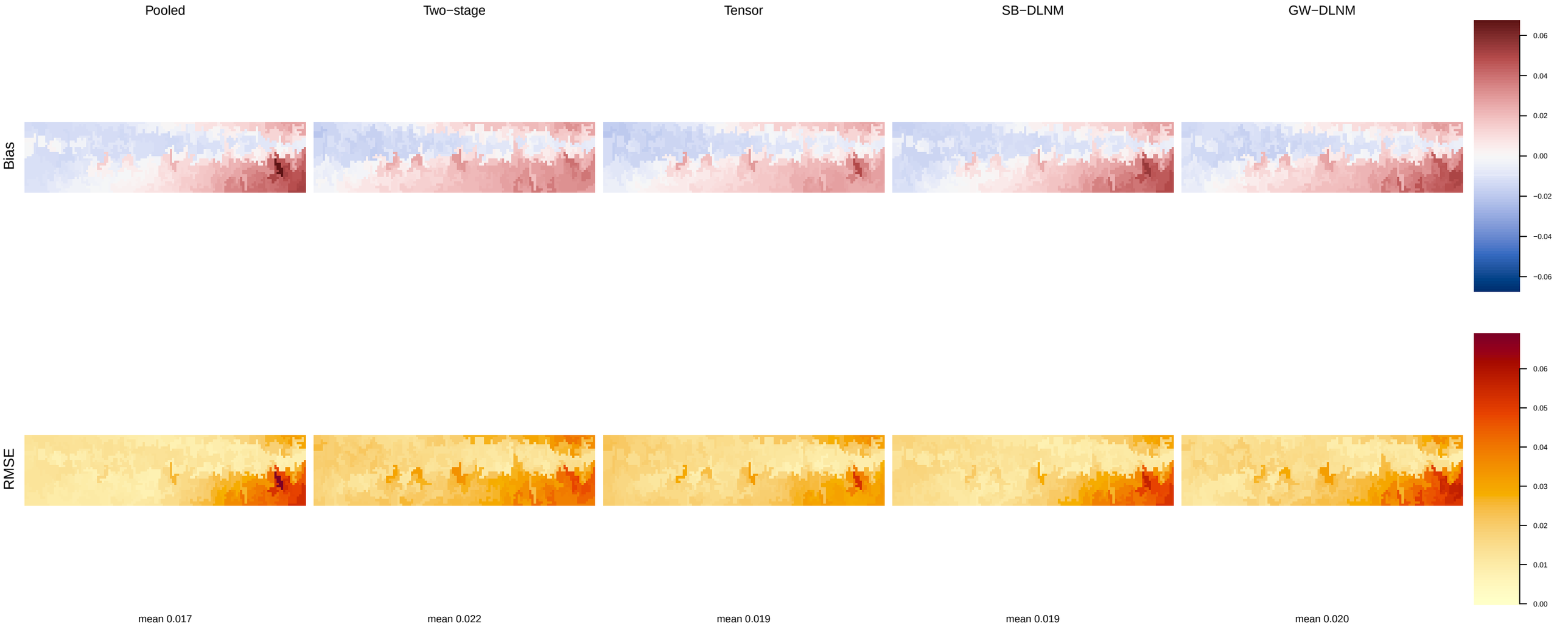
Scenario 982: elongated region, 120 counties, mild inequality, boundary pattern, spread 0.50, valley gradient, linear exposure−response, event rate 8, RR 1.6, short lag



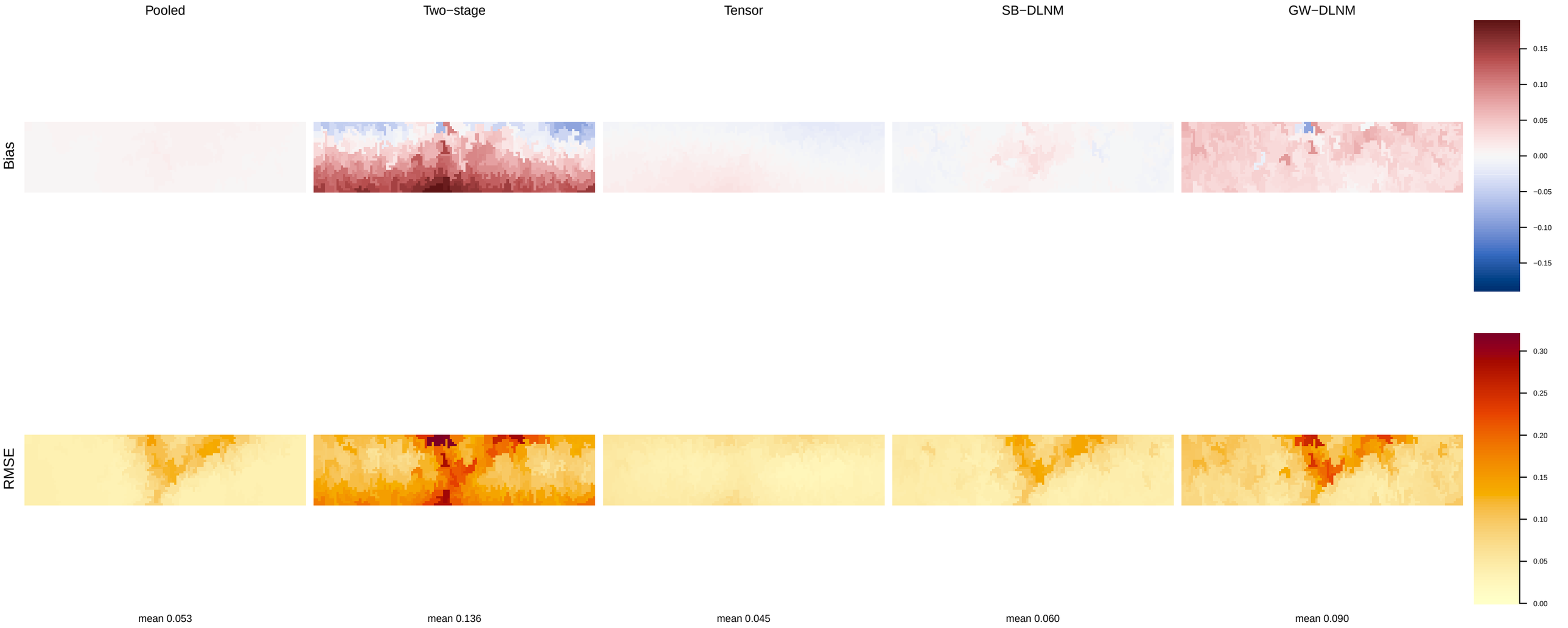
Scenario 10: elongated region, 240 counties, equal inequality, independent pattern, spread 0.00, edges gradient, threshold exposure−response, event rate 0.5, RR 1.6, short lag



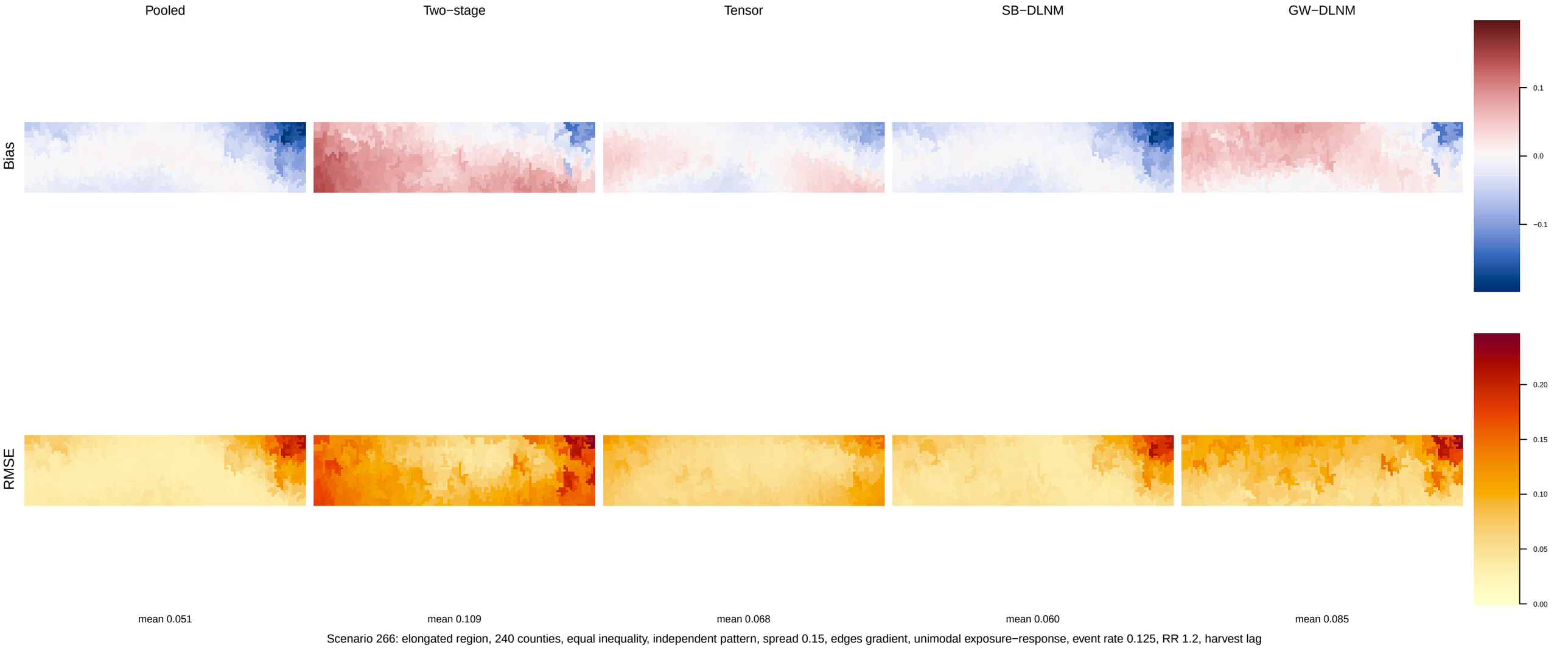
Scenario 202: elongated region, 240 counties, equal inequality, boundary pattern, spread 0.00, NS gradient, threshold exposure−response, event rate 2, RR 1.2, harvest lag



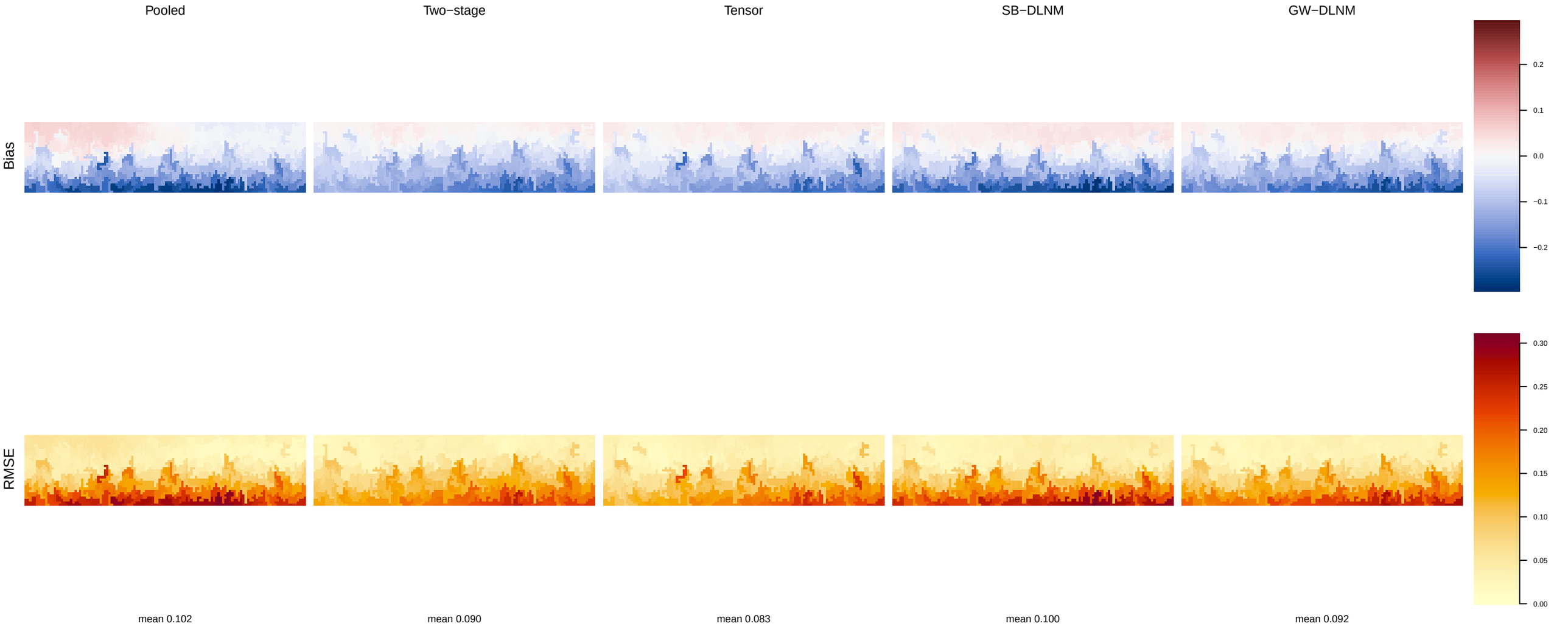
Scenario 138: elongated region, 240 counties, equal inequality, regional pattern, spread 0.00, ridge gradient, threshold exposure−response, event rate 8, RR 1.4, delayed lag



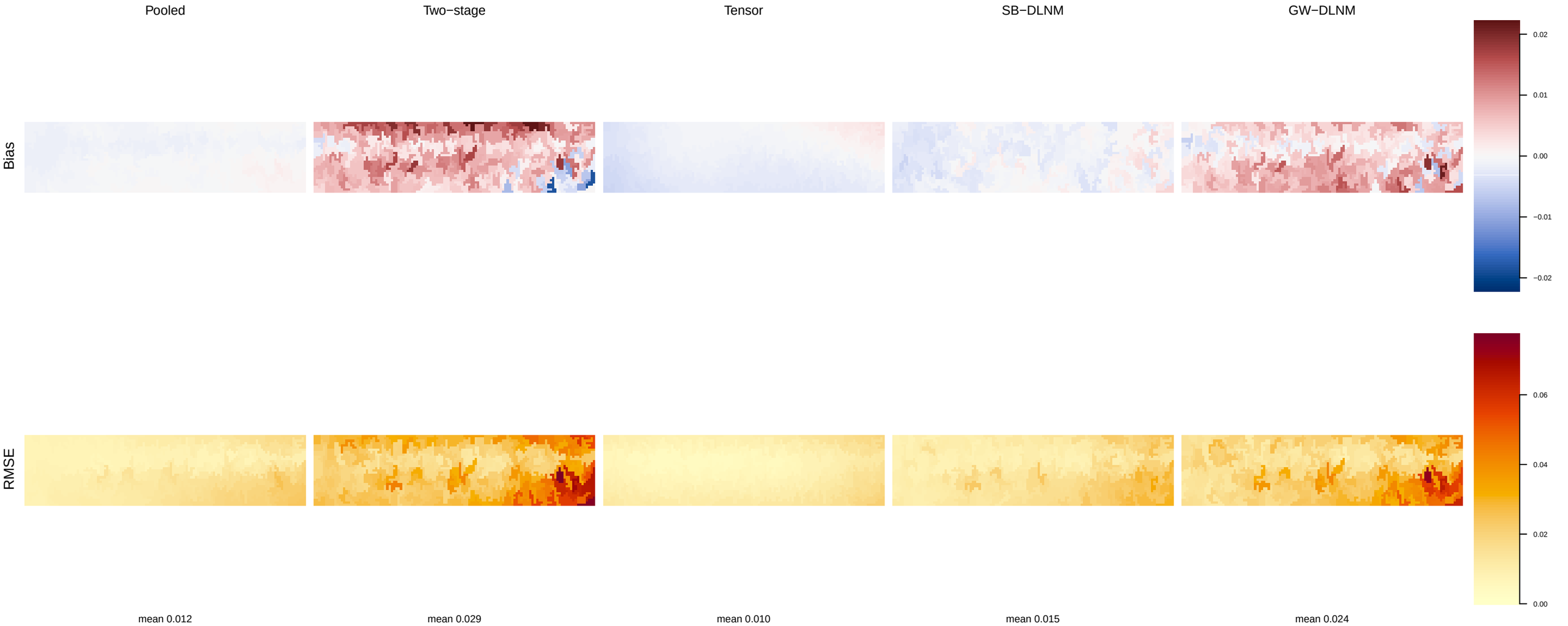
Scenario 74: elongated region, 240 counties, equal inequality, local pattern, spread 0.00, valley gradient, threshold exposure−response, event rate 0.125, RR 1.0, decay lag



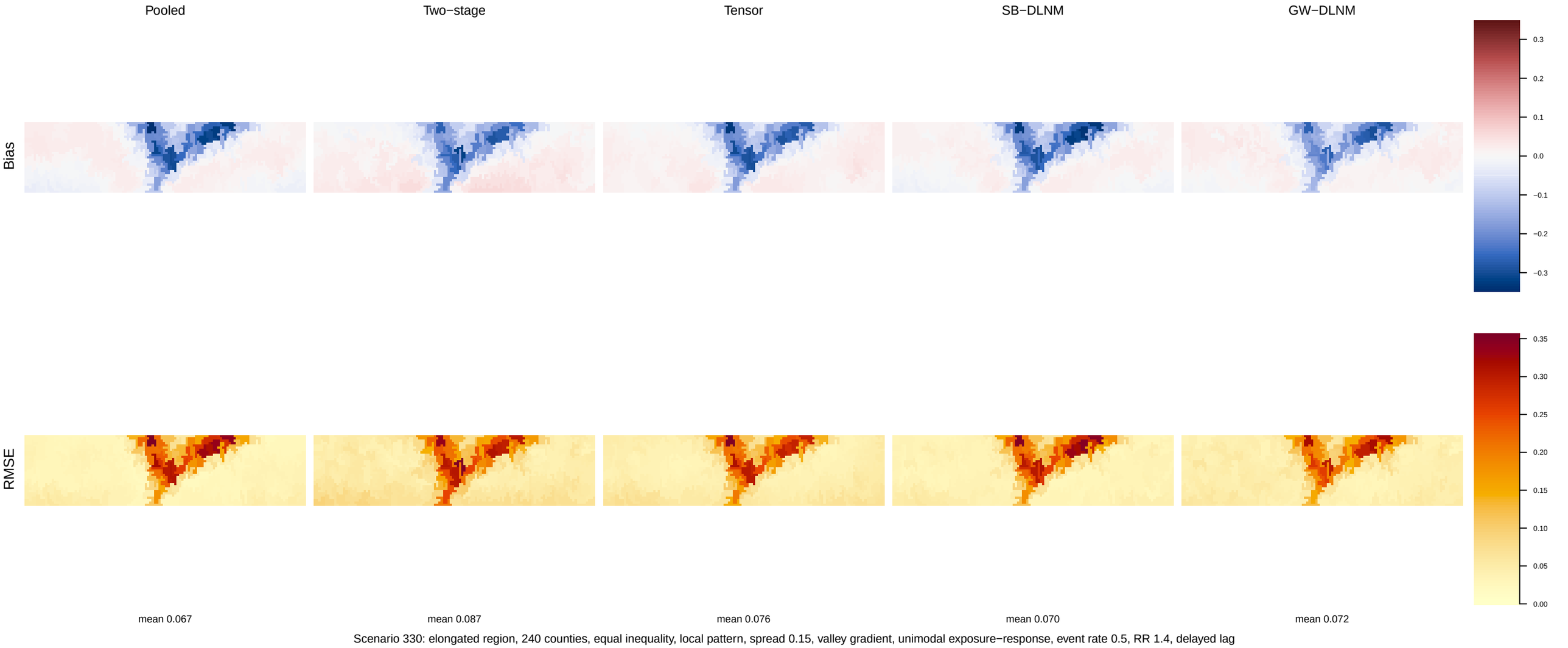
Scenario 266: elongated region, 240 counties, equal inequality, independent pattern, spread 0.15, edges gradient, unimodal exposure−response, event rate 0.125, RR 1.2, harvest lag



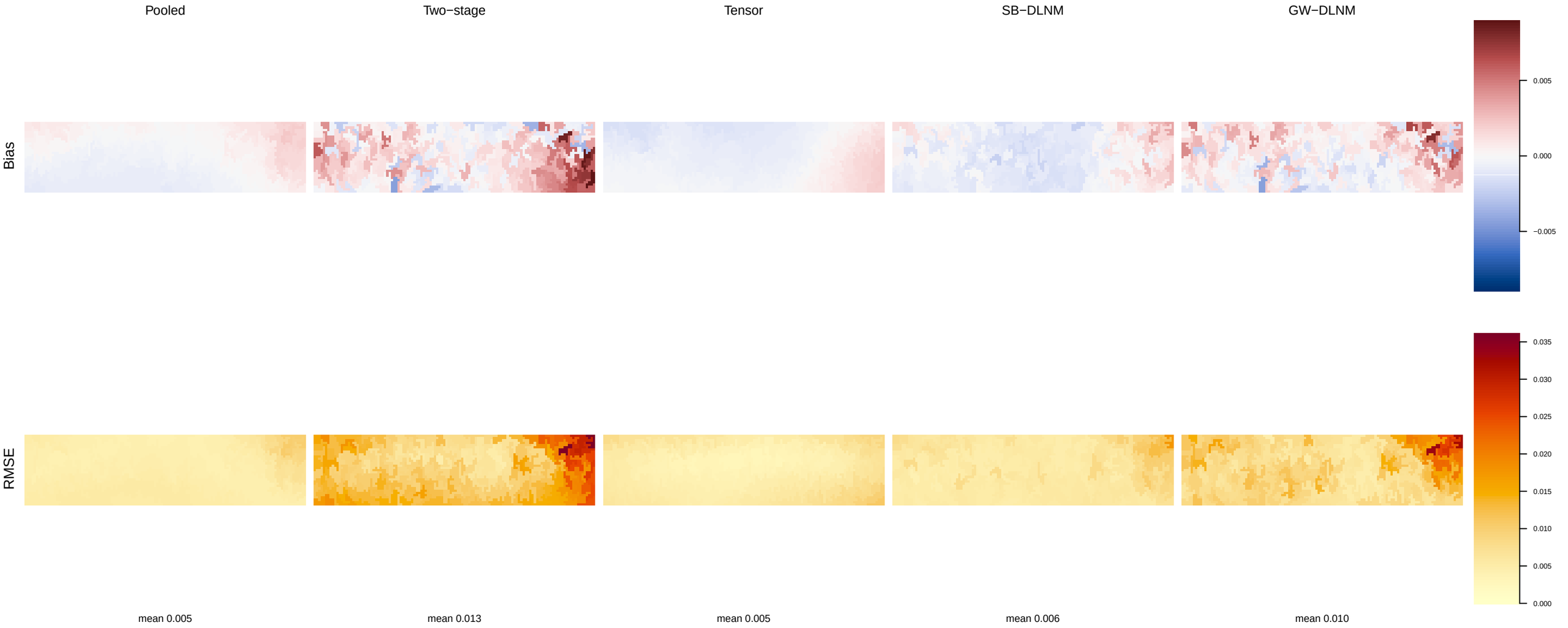
Scenario 458: elongated region, 240 counties, equal inequality, boundary pattern, spread 0.15, NS gradient, unimodal exposure−response, event rate 8, RR 1.6, short lag



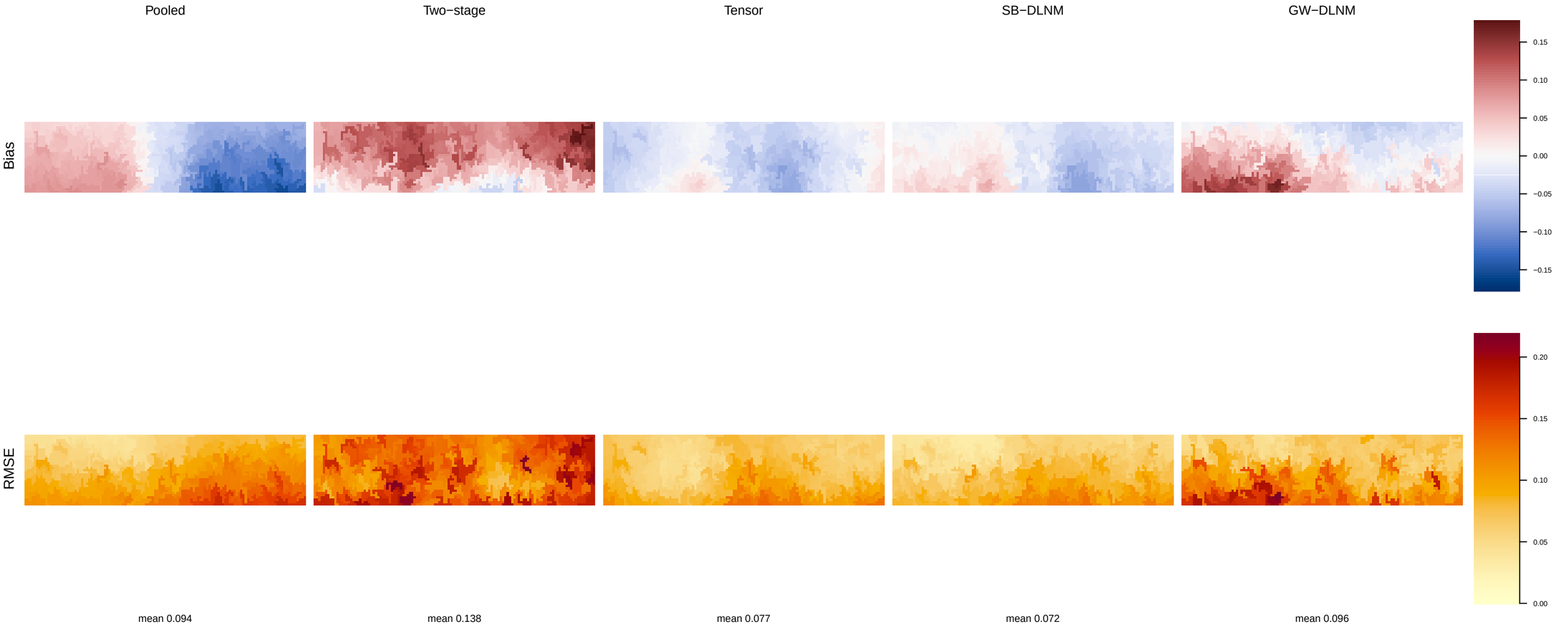
Scenario 394: elongated region, 240 counties, equal inequality, regional pattern, spread 0.15, ridge gradient, unimodal exposure−response, event rate 2, RR 1.0, decay lag



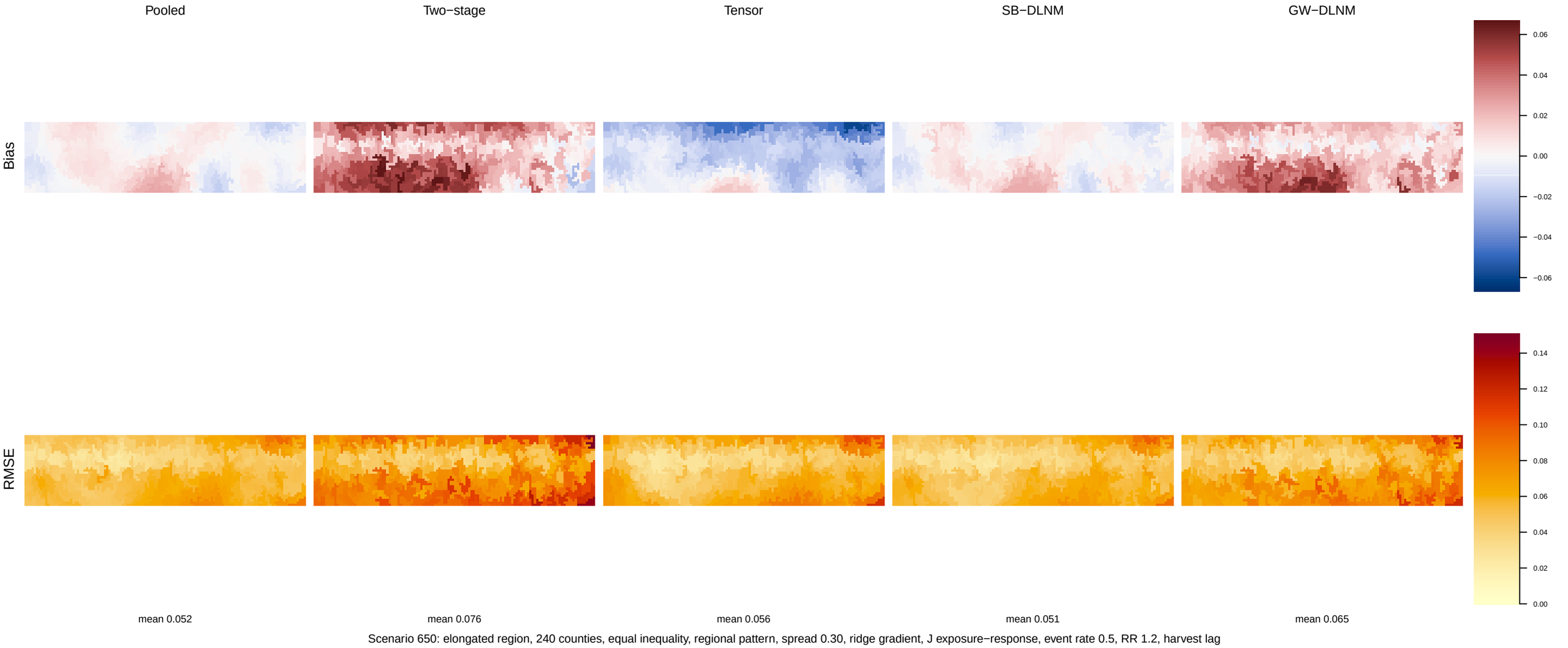
Scenario 330: elongated region, 240 counties, equal inequality, local pattern, spread 0.15, valley gradient, unimodal exposure−response, event rate 0.5, RR 1.4, delayed lag



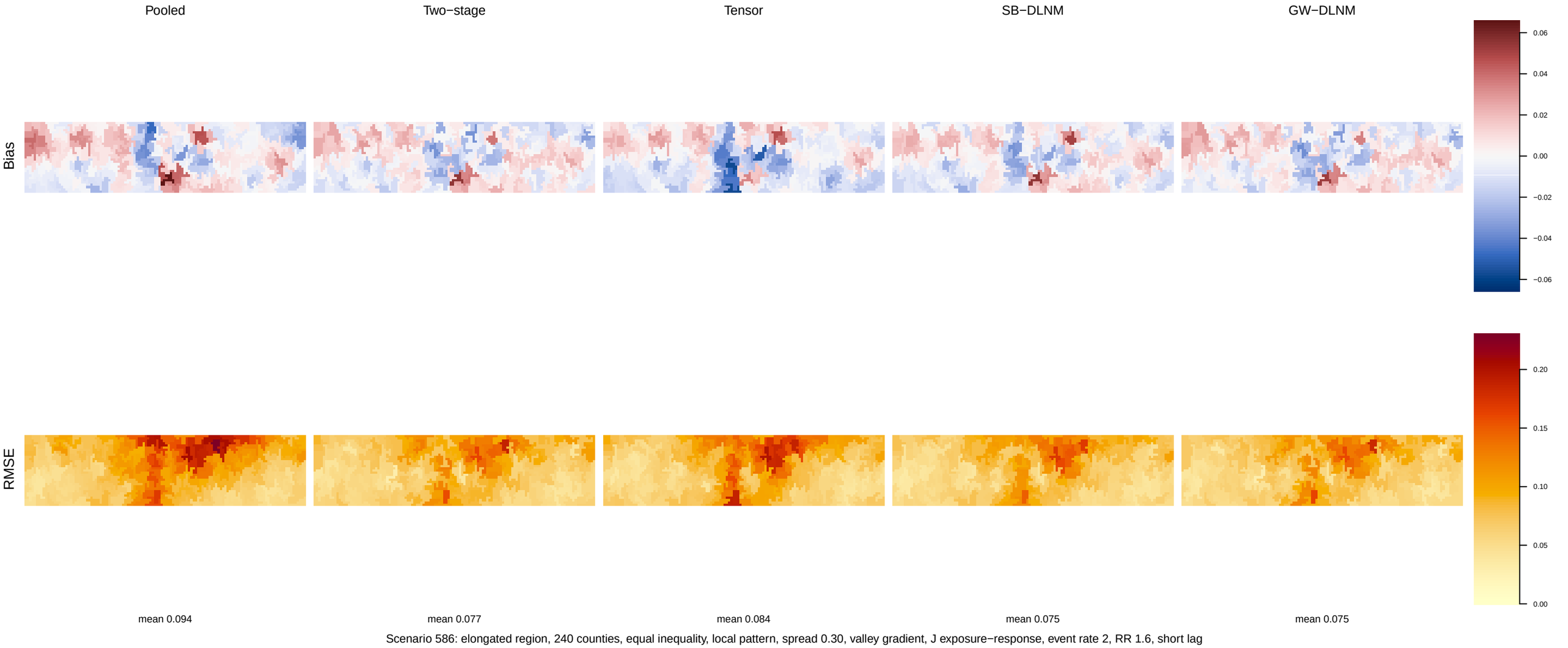
Scenario 522: elongated region, 240 counties, equal inequality, independent pattern, spread 0.30, edges gradient, J exposure−response, event rate 8, RR 1.0, decay lag



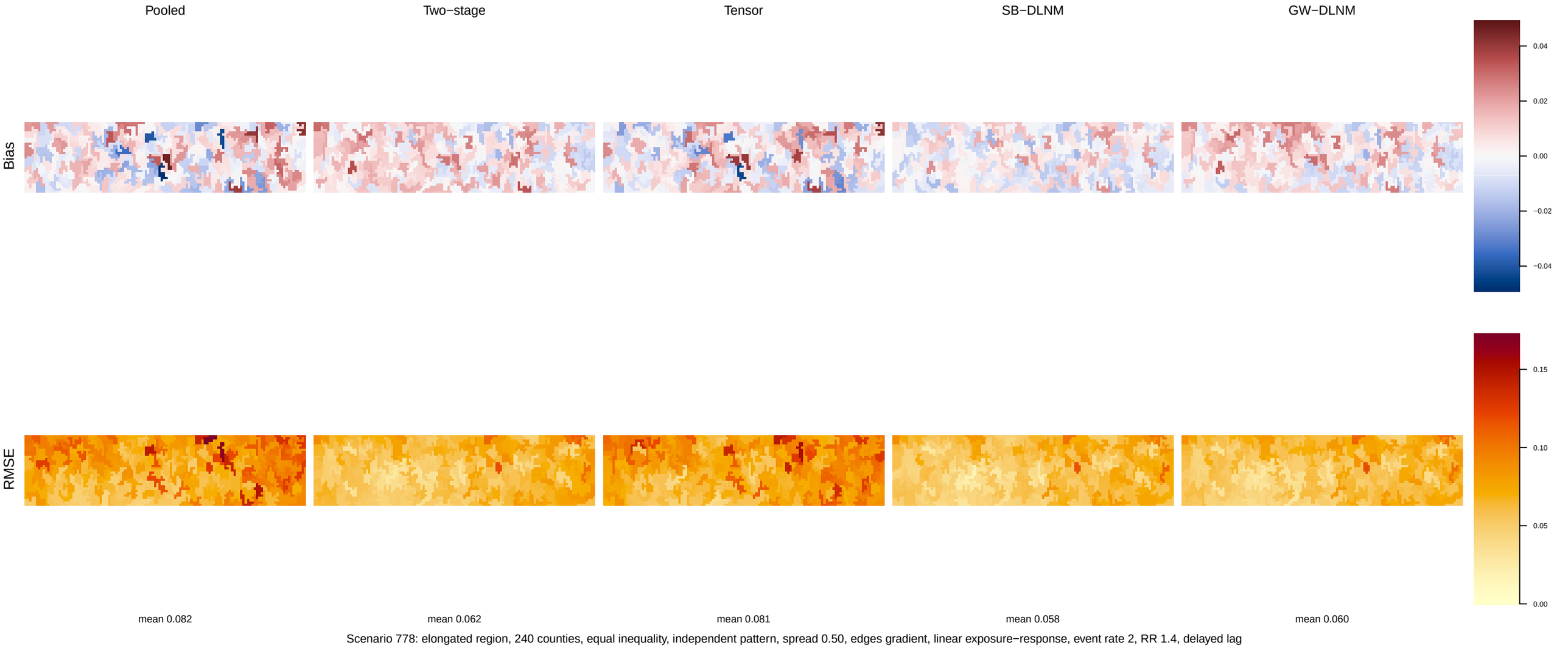
Scenario 714: elongated region, 240 counties, equal inequality, boundary pattern, spread 0.30, NS gradient, J exposure−response, event rate 0.125, RR 1.4, delayed lag



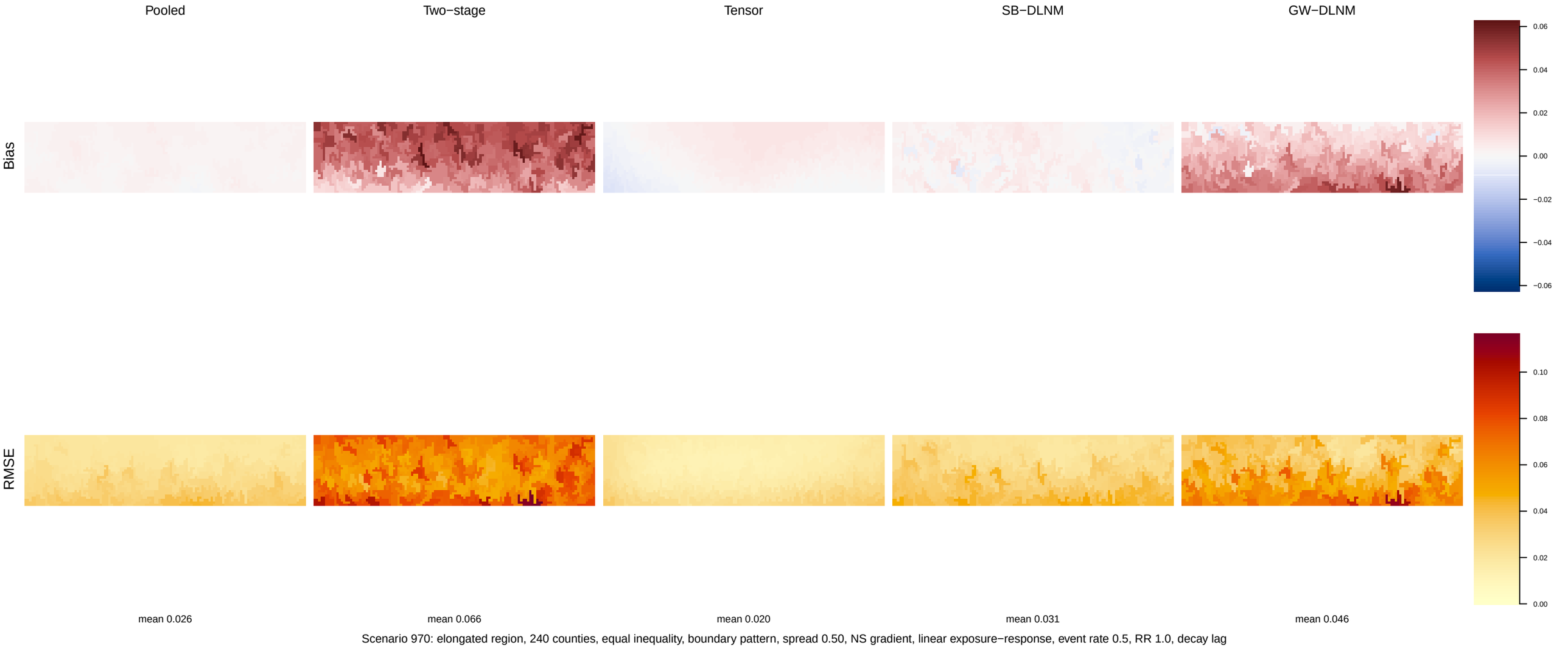
Scenario 650: elongated region, 240 counties, equal inequality, regional pattern, spread 0.30, ridge gradient, J exposure−response, event rate 0.5, RR 1.2, harvest lag

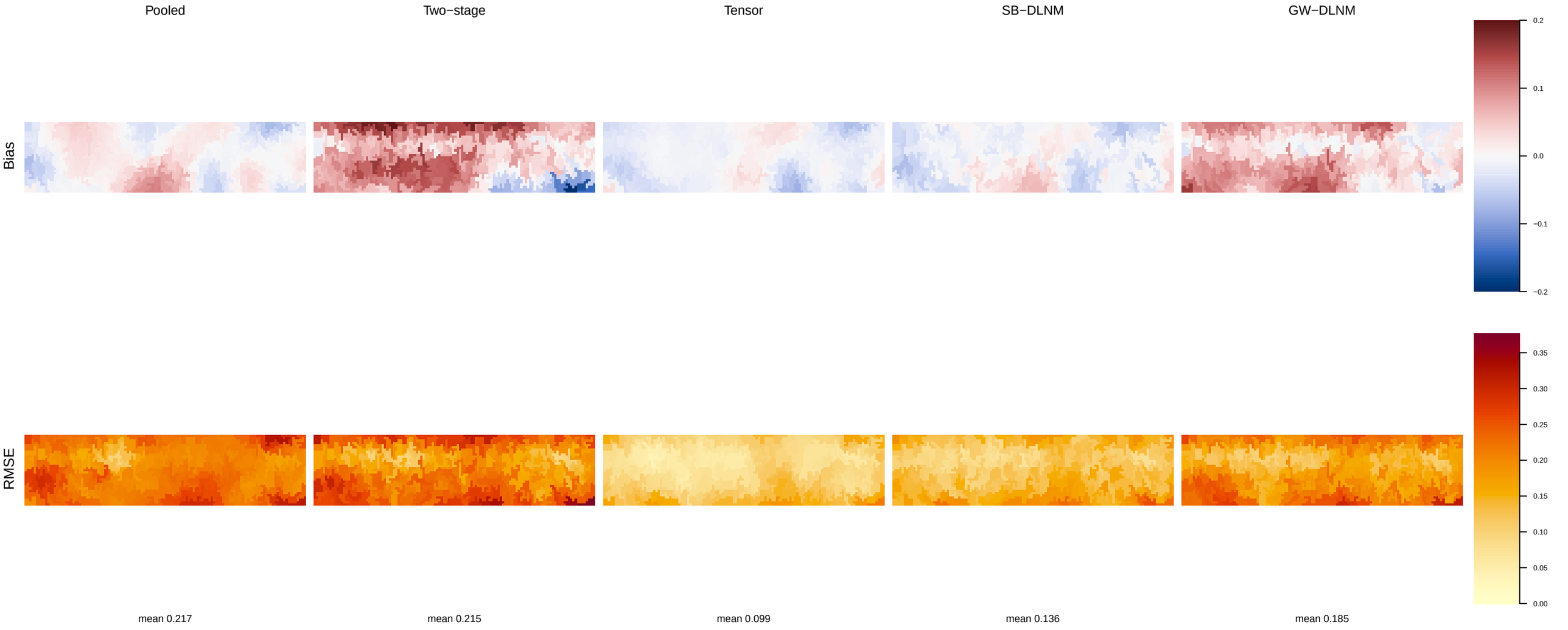


Scenario 586: elongated region, 240 counties, equal inequality, local pattern, spread 0.30, valley gradient, J exposure−response, event rate 2, RR 1.6, short lag

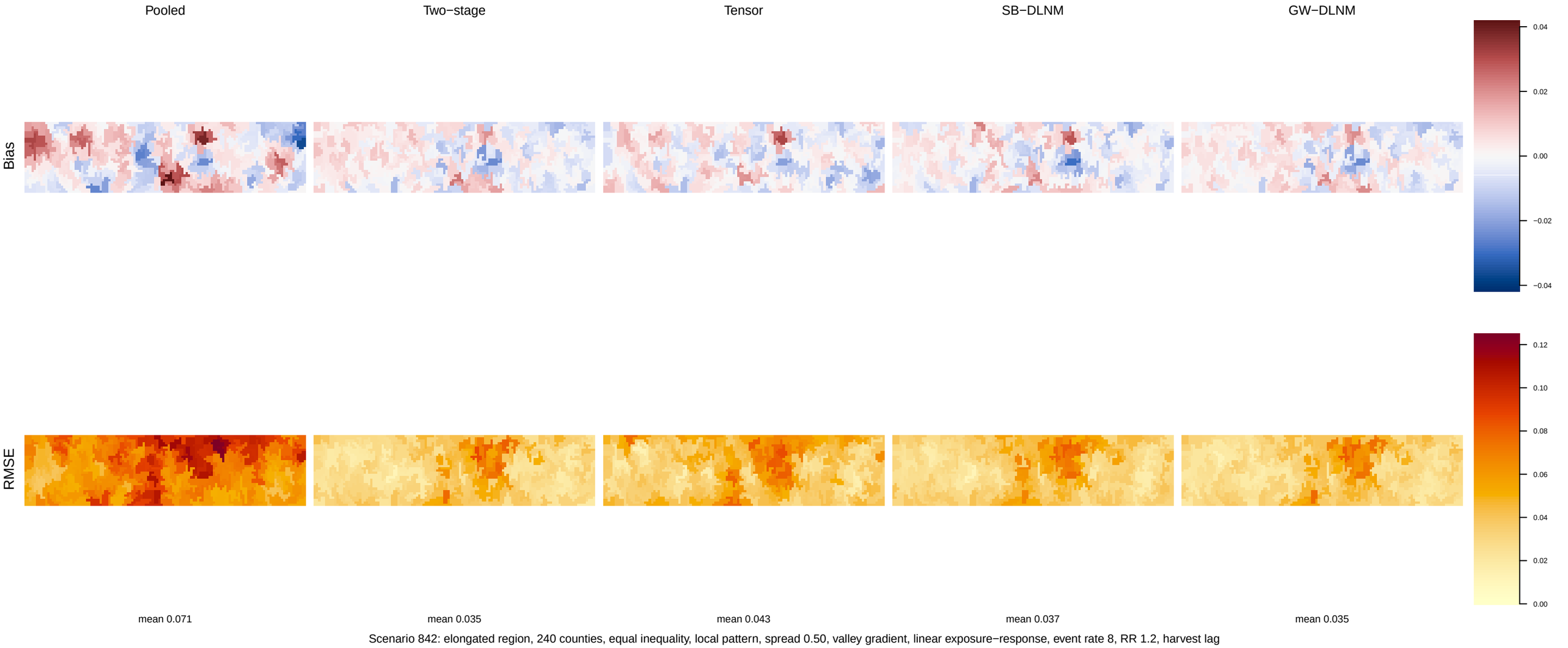


Scenario 778: elongated region, 240 counties, equal inequality, independent pattern, spread 0.50, edges gradient, linear exposure−response, event rate 2, RR 1.4, delayed lag

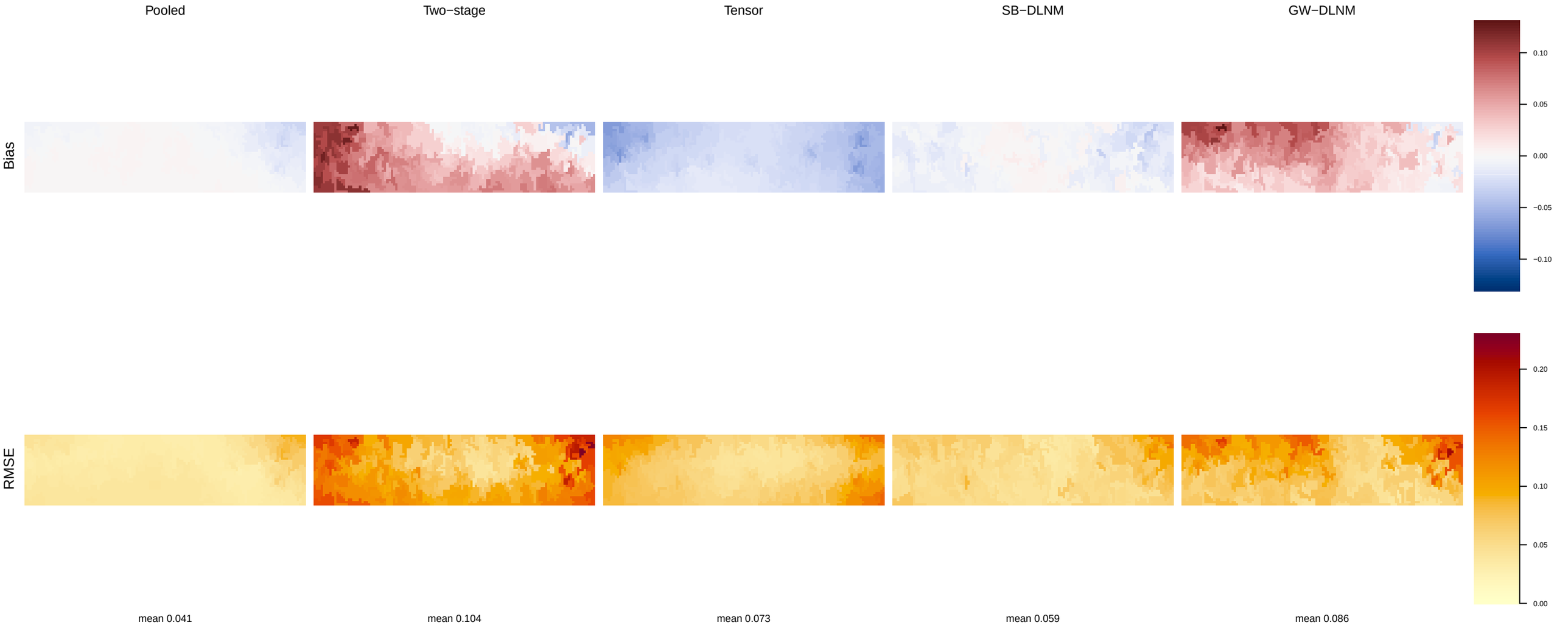

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
0.10
0.08
0.06
0.04
0.02
0.00
mean 0.026
mean 0.066
mean 0.020
mean 0.031
mean 0.046
Scenario 970: elongated region, 240 counties, equal inequality, boundary pattern, spread 0.50, NS gradient, linear exposure−response, event rate 0.5, RR 1.0, decay lag



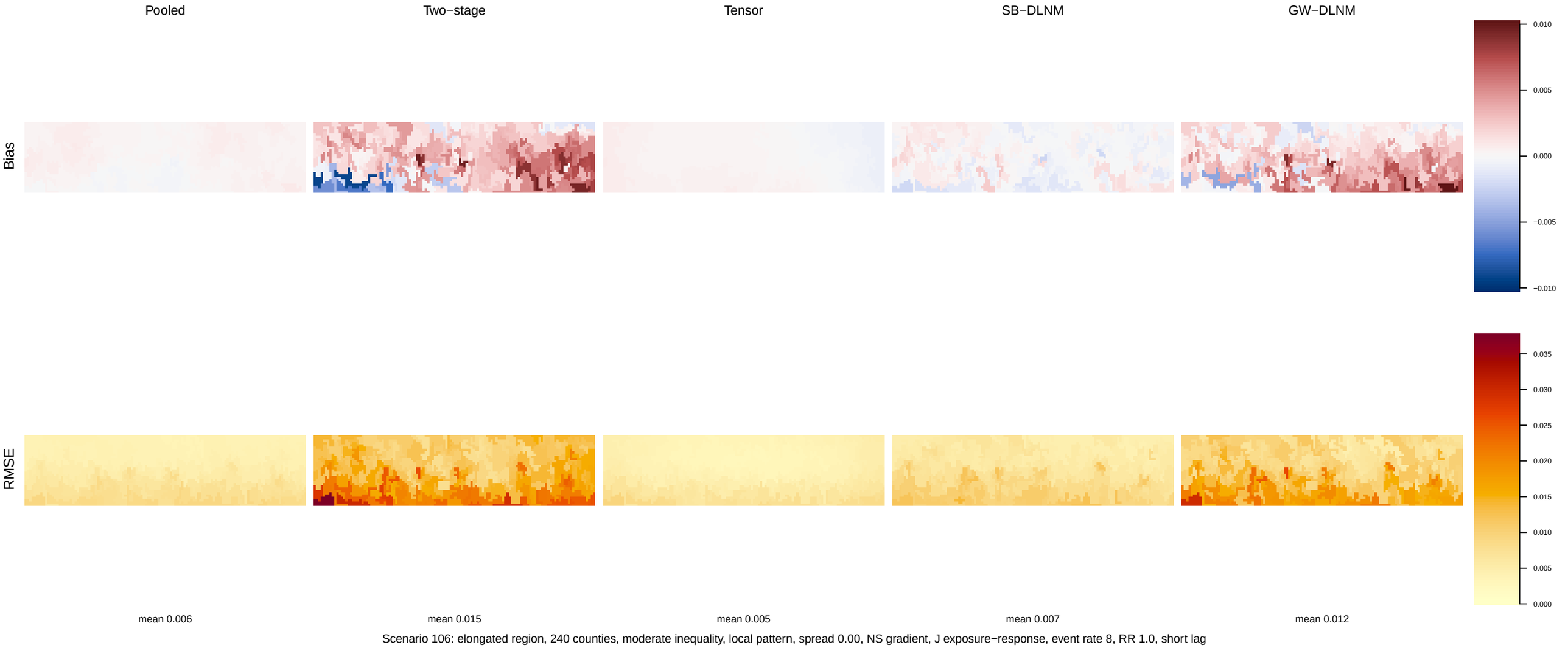
Scenario 906: elongated region, 240 counties, equal inequality, regional pattern, spread 0.50, ridge gradient, linear exposure−response, event rate 0.125, RR 1.6, short lag



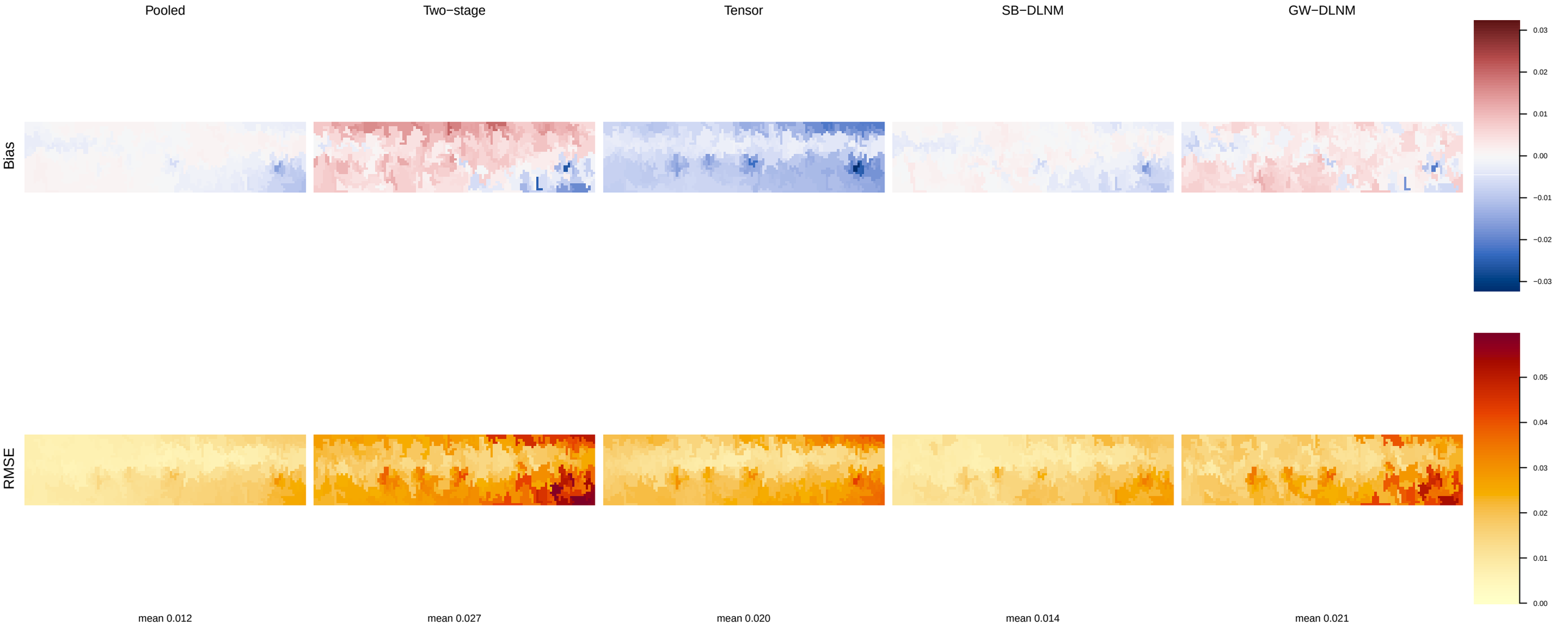
Scenario 842: elongated region, 240 counties, equal inequality, local pattern, spread 0.50, valley gradient, linear exposure−response, event rate 8, RR 1.2, harvest lag



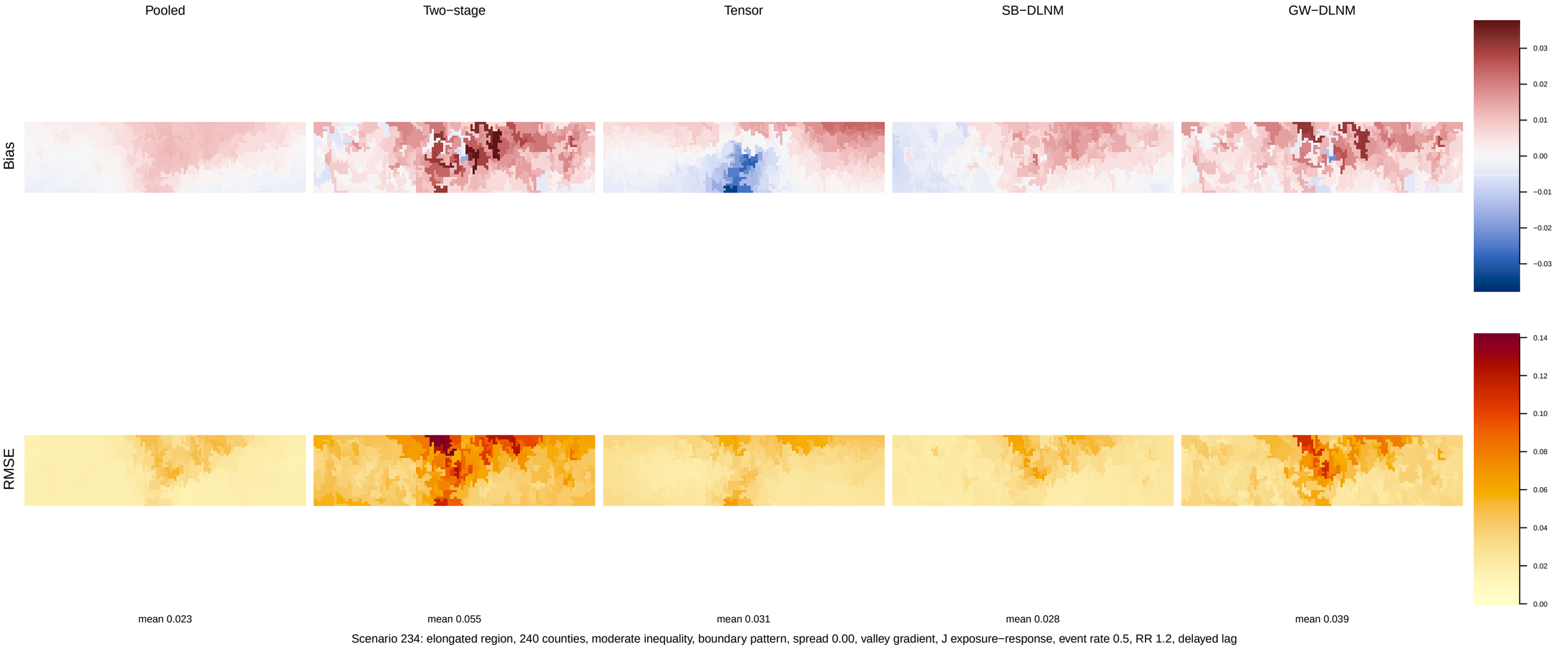
Scenario 170: elongated region, 240 counties, moderate inequality, regional pattern, spread 0.00, edges gradient, J exposure−response, event rate 0.125, RR 1.4, harvest lag



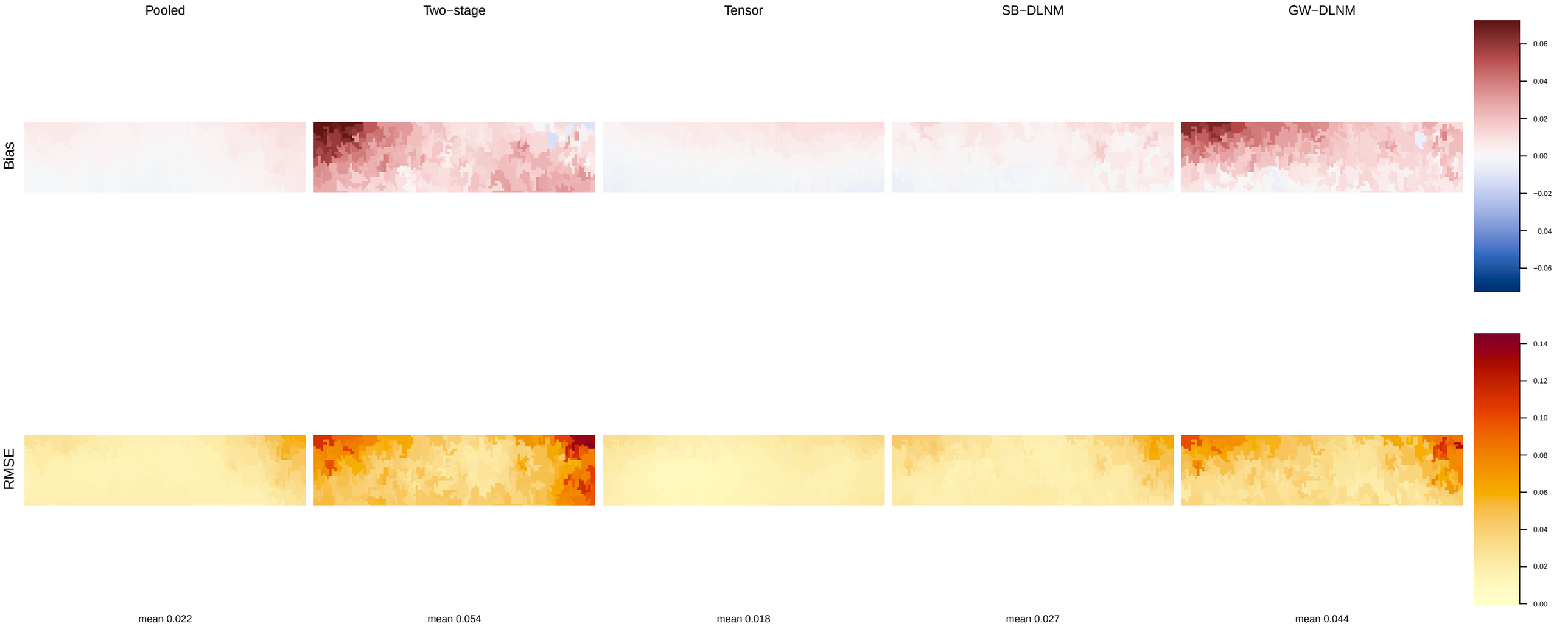
Scenario 106: elongated region, 240 counties, moderate inequality, local pattern, spread 0.00, NS gradient, J exposure−response, event rate 8, RR 1.0, short lag



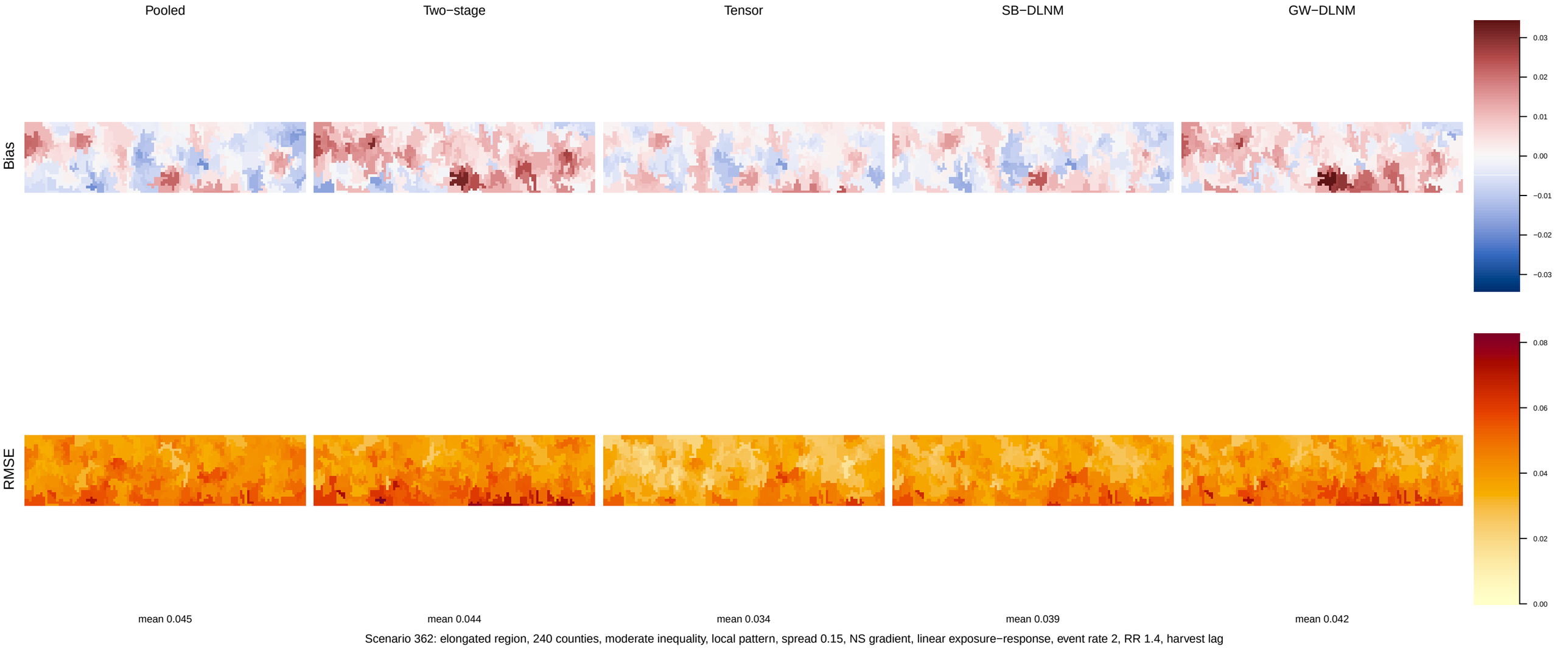
Scenario 42: elongated region, 240 counties, moderate inequality, independent pattern, spread 0.00, ridge gradient, J exposure−response, event rate 2, RR 1.6, decay lag



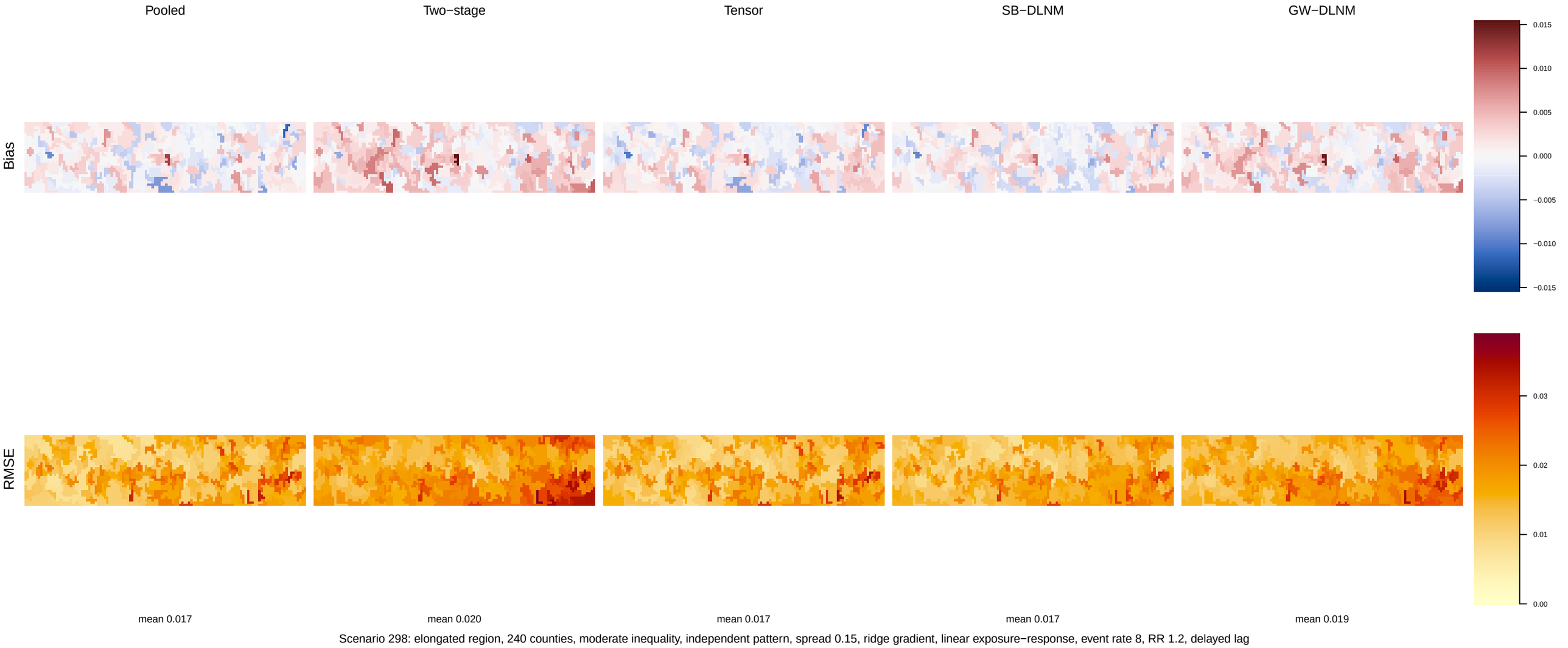
Scenario 234: elongated region, 240 counties, moderate inequality, boundary pattern, spread 0.00, valley gradient, J exposure−response, event rate 0.5, RR 1.2, delayed lag



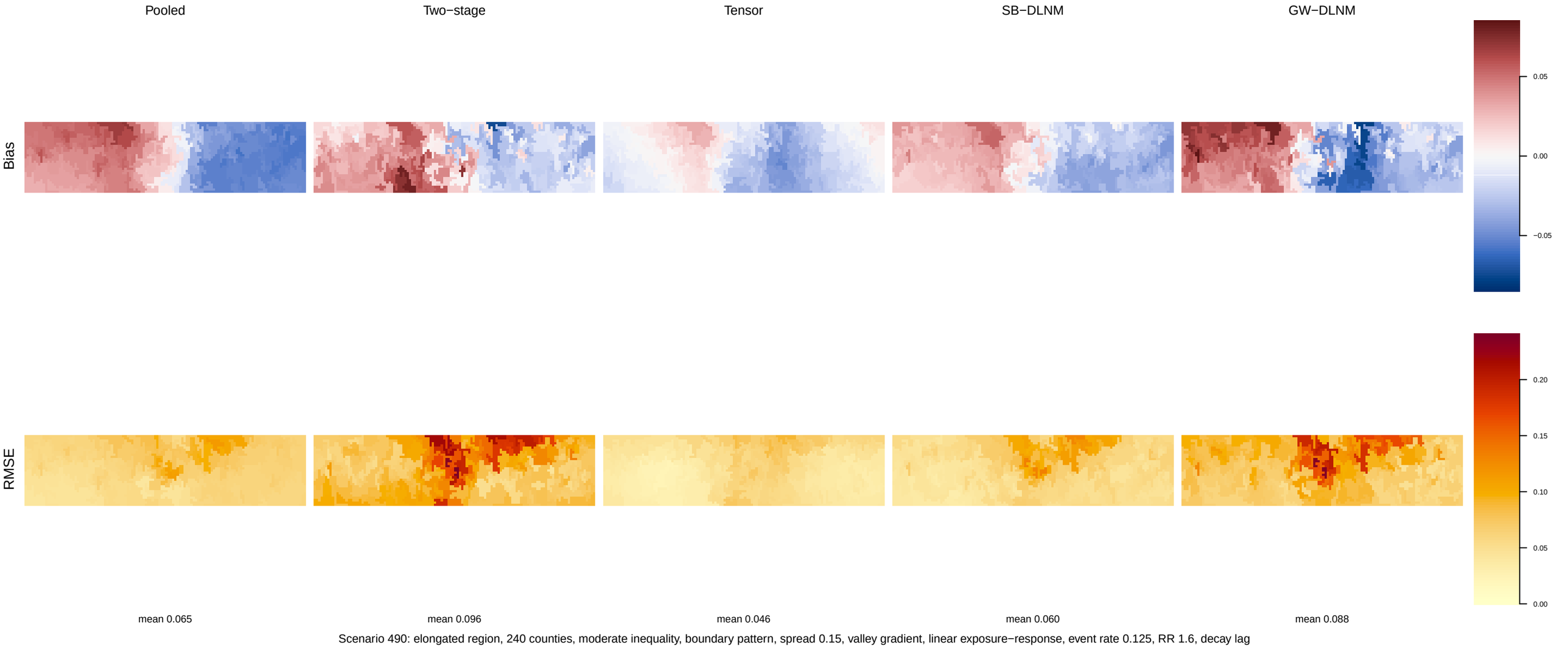
Scenario 426: elongated region, 240 counties, moderate inequality, regional pattern, spread 0.15, edges gradient, linear exposure−response, event rate 0.5, RR 1.0, short lag



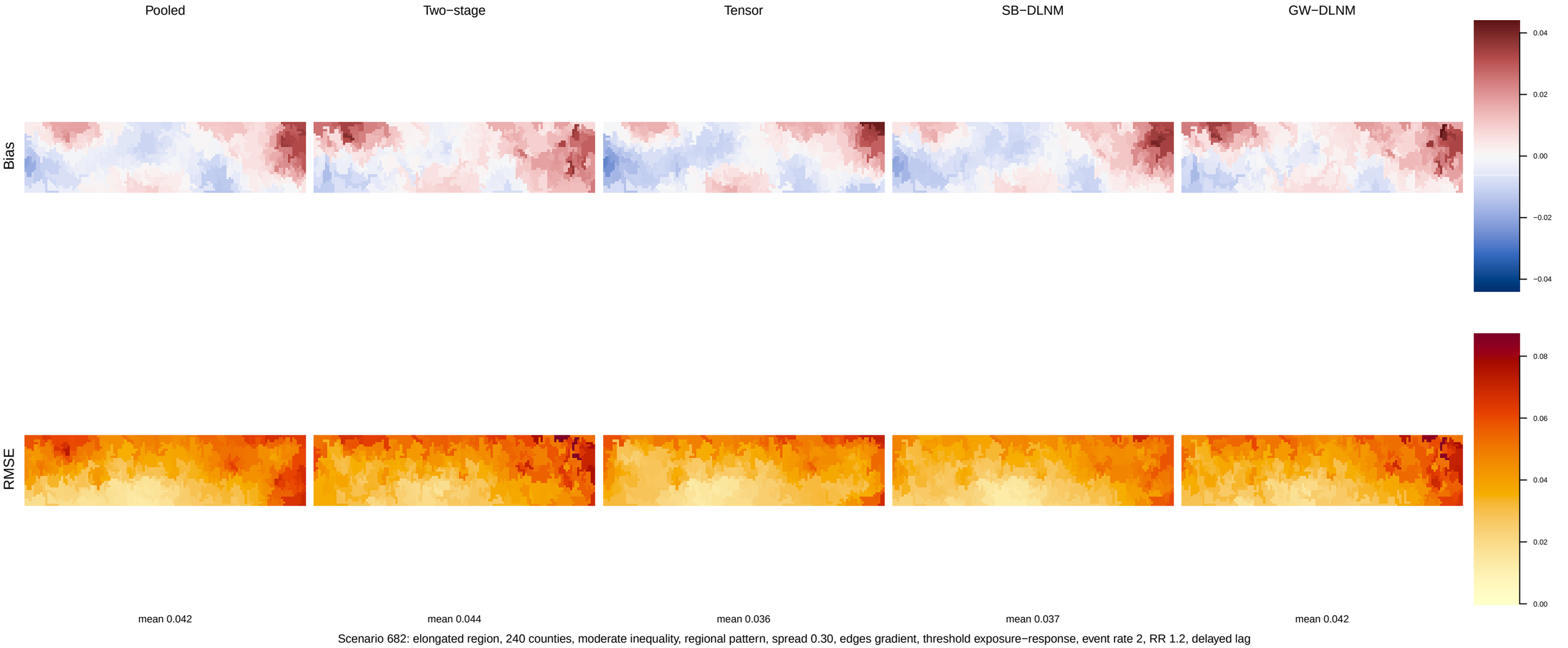
Scenario 362: elongated region, 240 counties, moderate inequality, local pattern, spread 0.15, NS gradient, linear exposure−response, event rate 2, RR 1.4, harvest lag



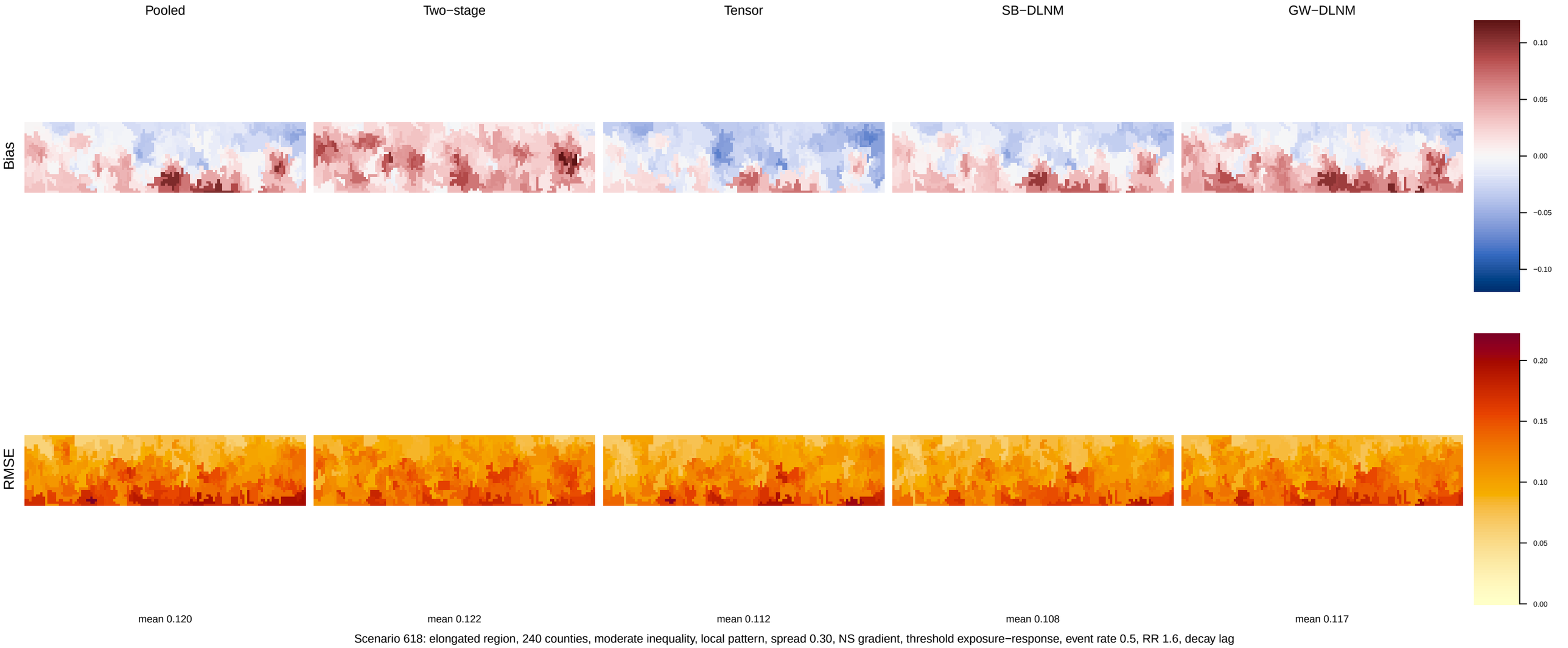
Scenario 298: elongated region, 240 counties, moderate inequality, independent pattern, spread 0.15, ridge gradient, linear exposure−response, event rate 8, RR 1.2, delayed lag



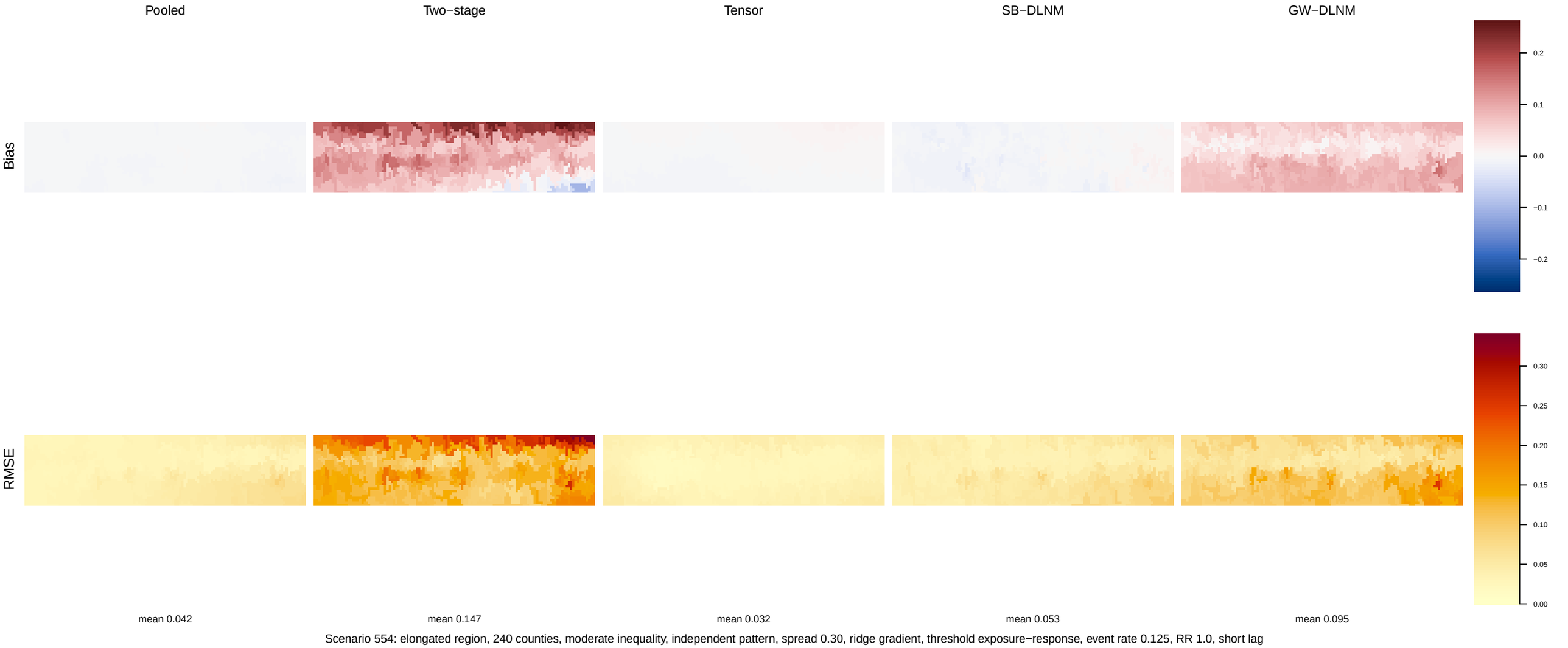
Scenario 490: elongated region, 240 counties, moderate inequality, boundary pattern, spread 0.15, valley gradient, linear exposure−response, event rate 0.125, RR 1.6, decay lag



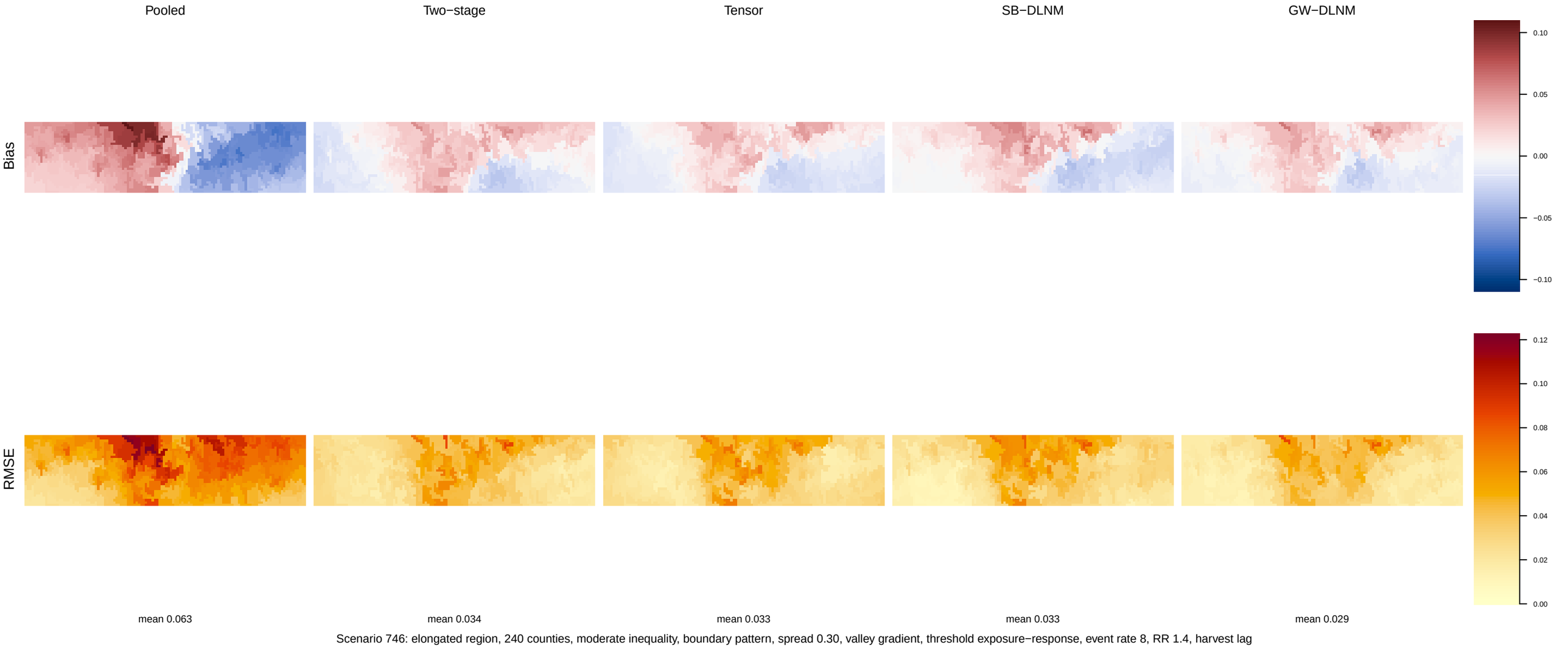
Scenario 682: elongated region, 240 counties, moderate inequality, regional pattern, spread 0.30, edges gradient, threshold exposure−response, event rate 2, RR 1.2, delayed lag



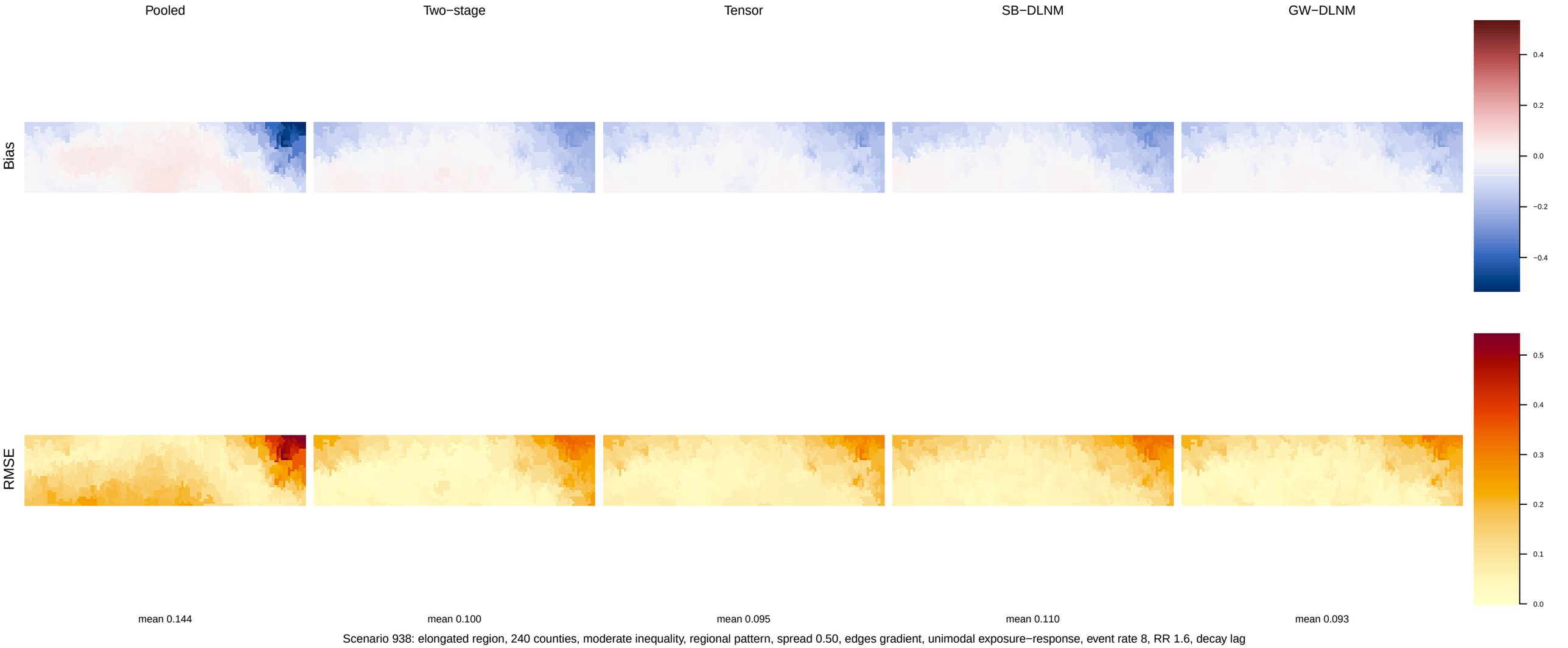
Scenario 618: elongated region, 240 counties, moderate inequality, local pattern, spread 0.30, NS gradient, threshold exposure−response, event rate 0.5, RR 1.6, decay lag



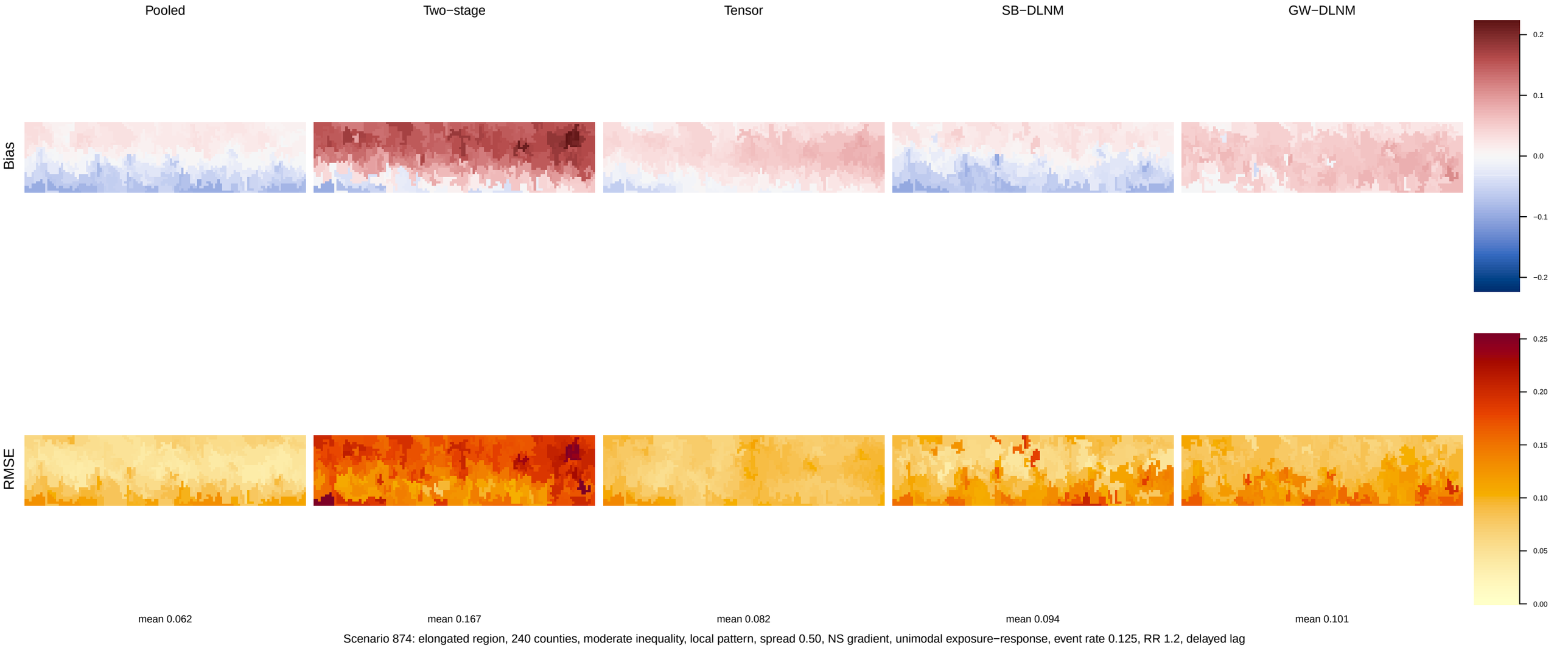
Scenario 554: elongated region, 240 counties, moderate inequality, independent pattern, spread 0.30, ridge gradient, threshold exposure−response, event rate 0.125, RR 1.0, short lag



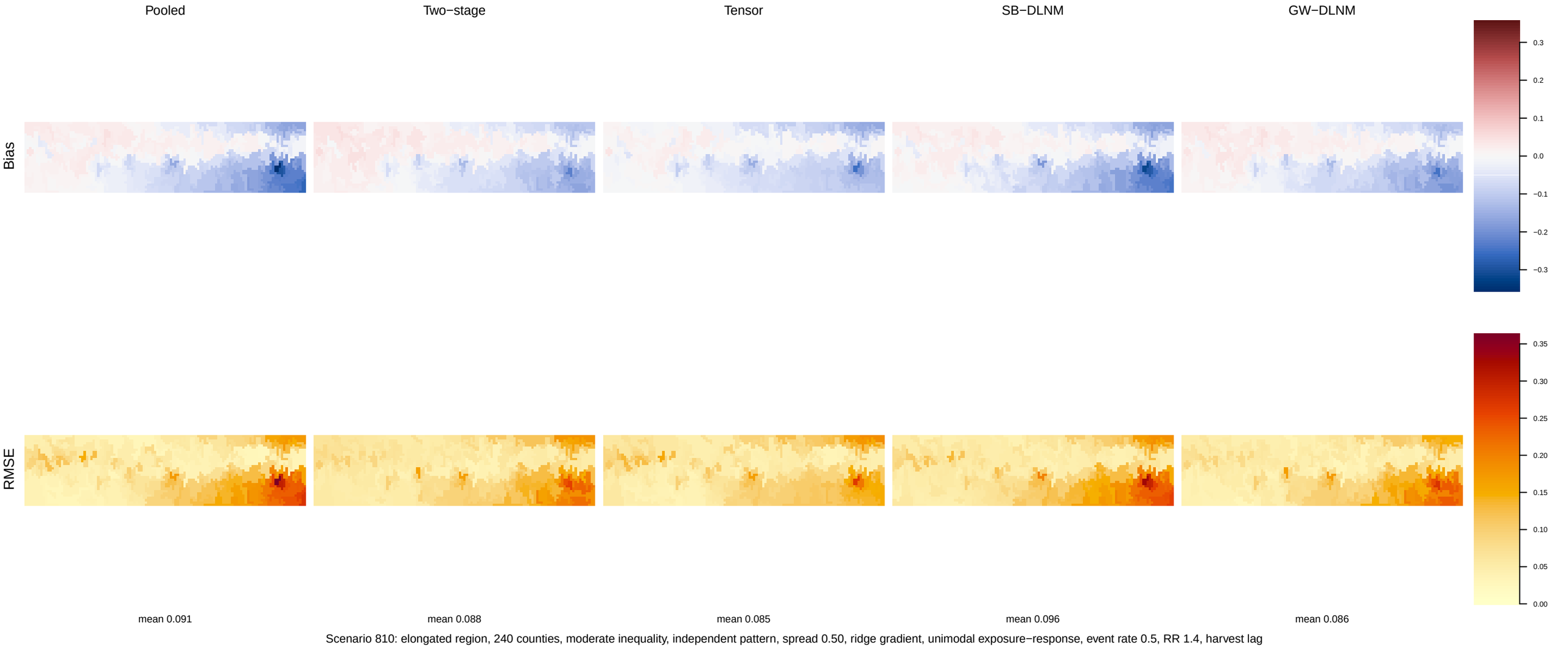
Scenario 746: elongated region, 240 counties, moderate inequality, boundary pattern, spread 0.30, valley gradient, threshold exposure−response, event rate 8, RR 1.4, harvest lag



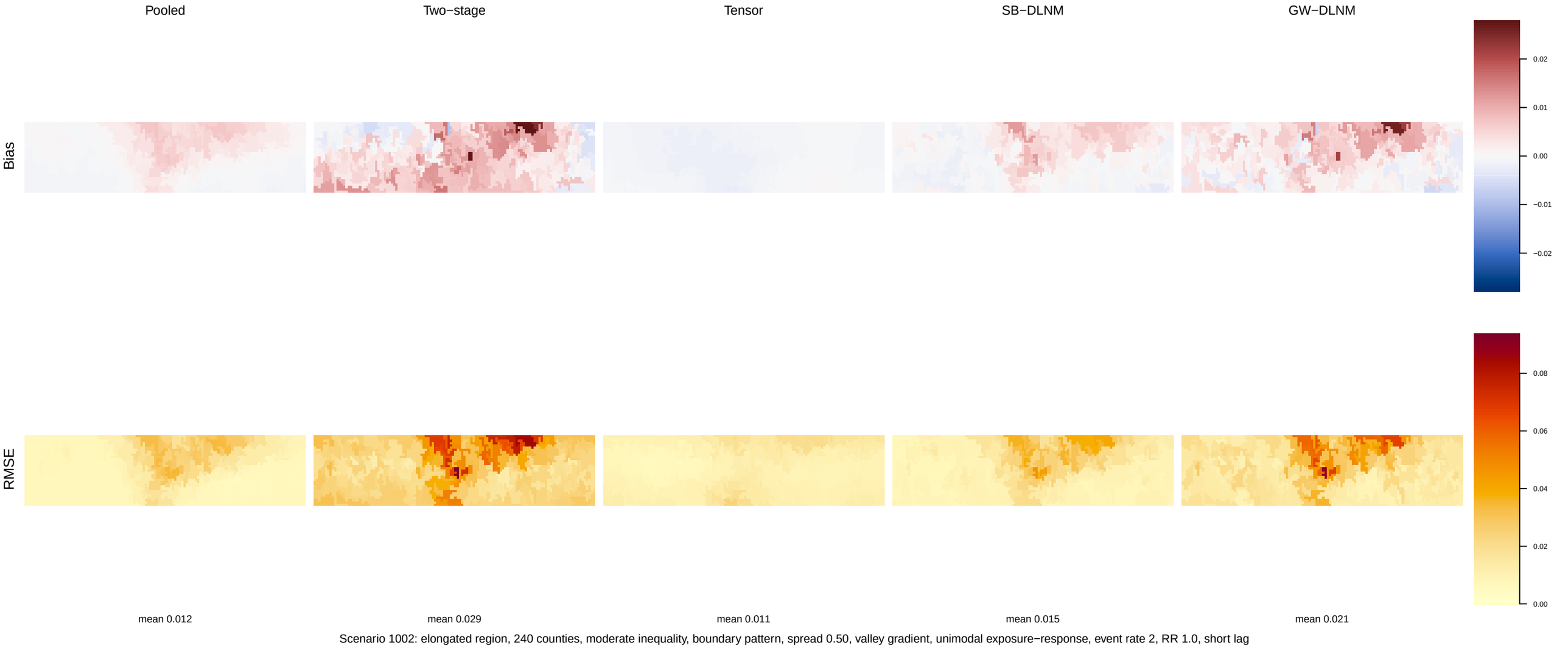
Scenario 938: elongated region, 240 counties, moderate inequality, regional pattern, spread 0.50, edges gradient, unimodal exposure−response, event rate 8, RR 1.6, decay lag



Scenario 874: elongated region, 240 counties, moderate inequality, local pattern, spread 0.50, NS gradient, unimodal exposure−response, event rate 0.125, RR 1.2, delayed lag



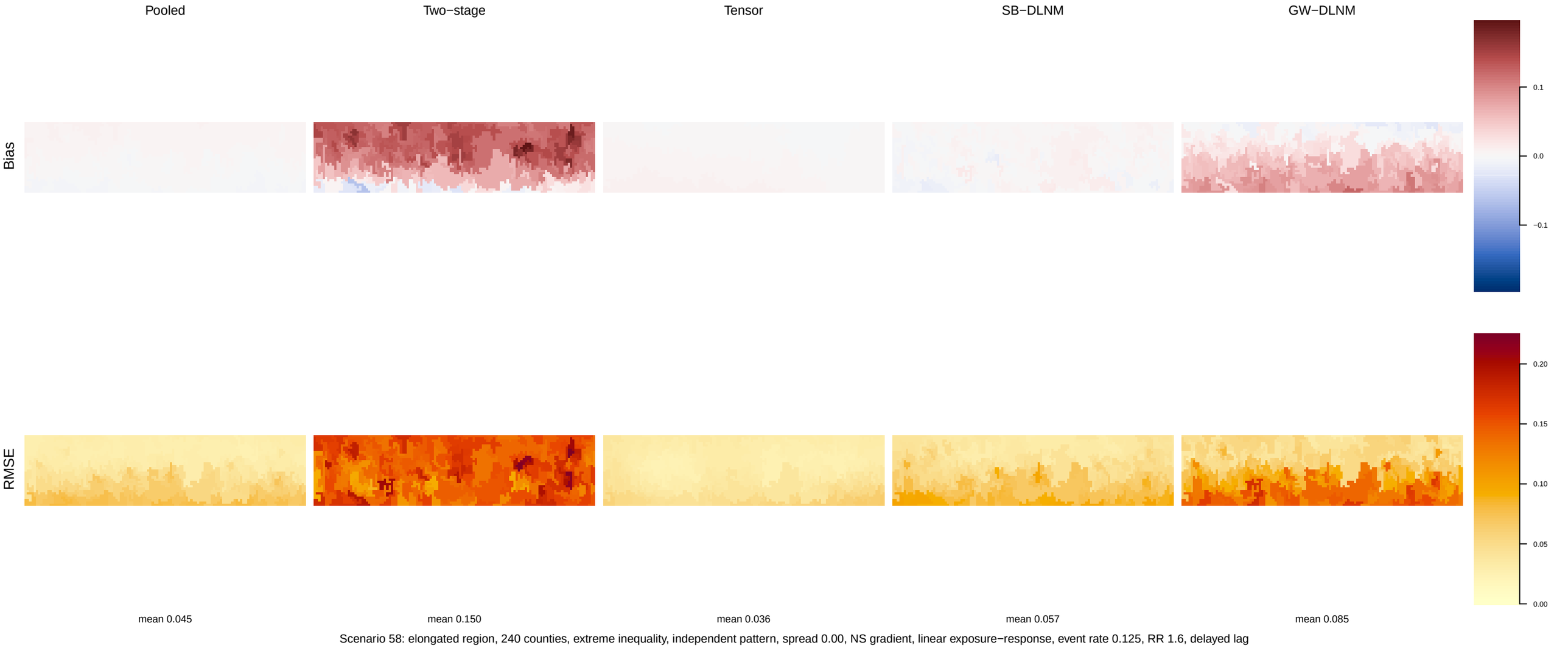
Scenario 810: elongated region, 240 counties, moderate inequality, independent pattern, spread 0.50, ridge gradient, unimodal exposure−response, event rate 0.5, RR 1.4, harvest lag



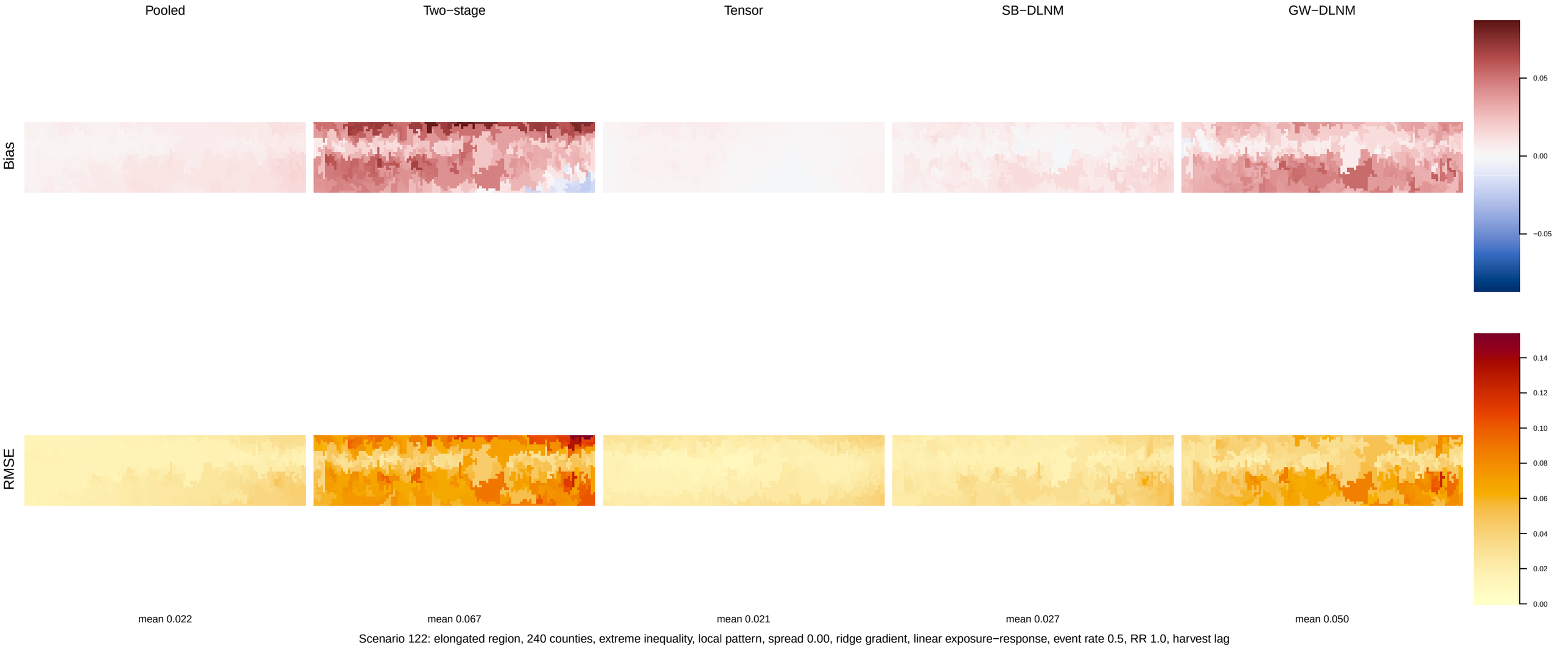
Scenario 1002: elongated region, 240 counties, moderate inequality, boundary pattern, spread 0.50, valley gradient, unimodal exposure−response, event rate 2, RR 1.0, short lag



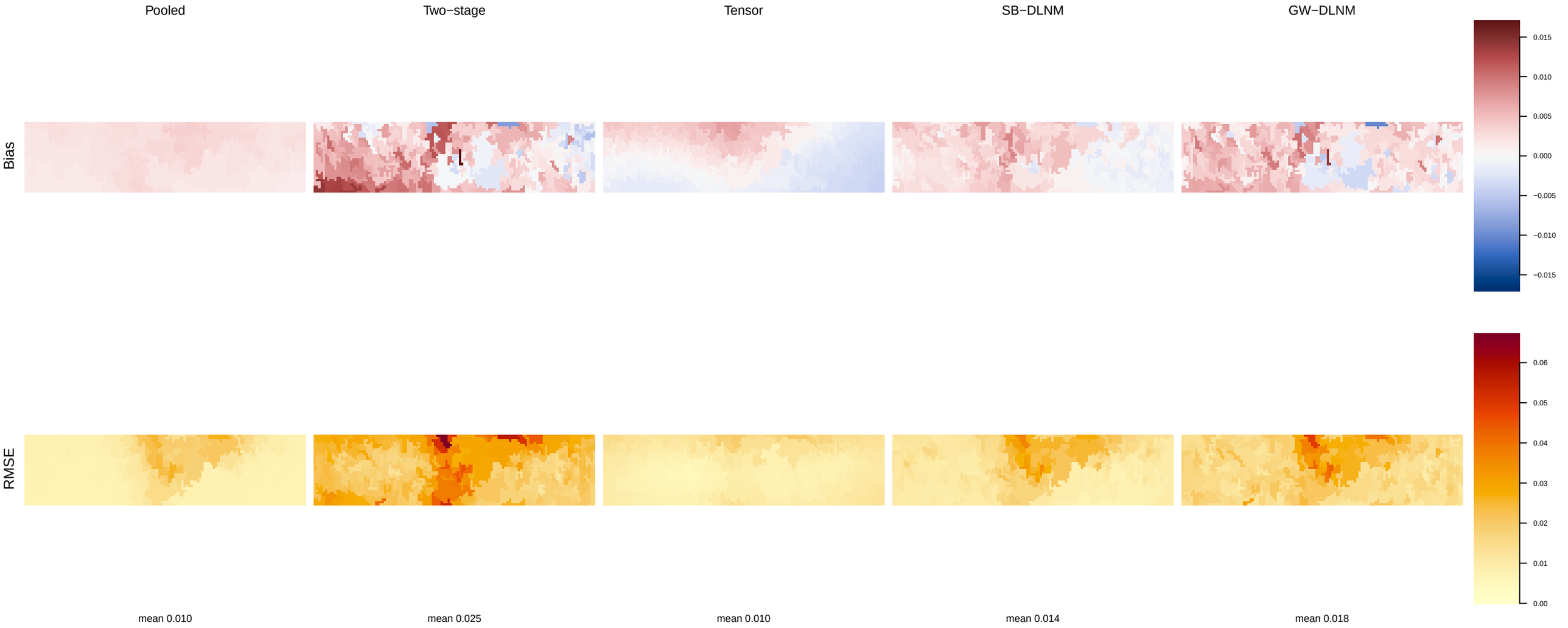
Scenario 250: elongated region, 240 counties, extreme inequality, boundary pattern, spread 0.00, edges gradient, linear exposure−response, event rate 8, RR 1.2, decay lag



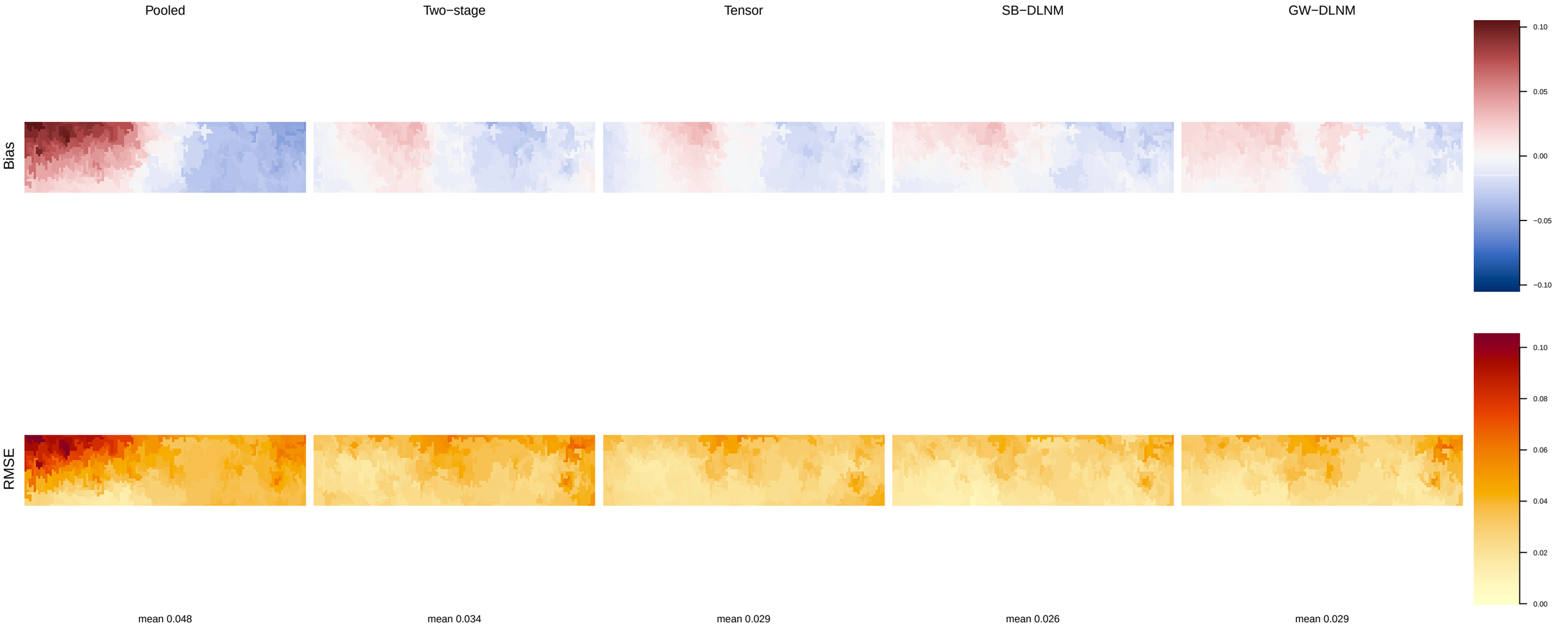
Scenario 58: elongated region, 240 counties, extreme inequality, independent pattern, spread 0.00, NS gradient, linear exposure−response, event rate 0.125, RR 1.6, delayed lag



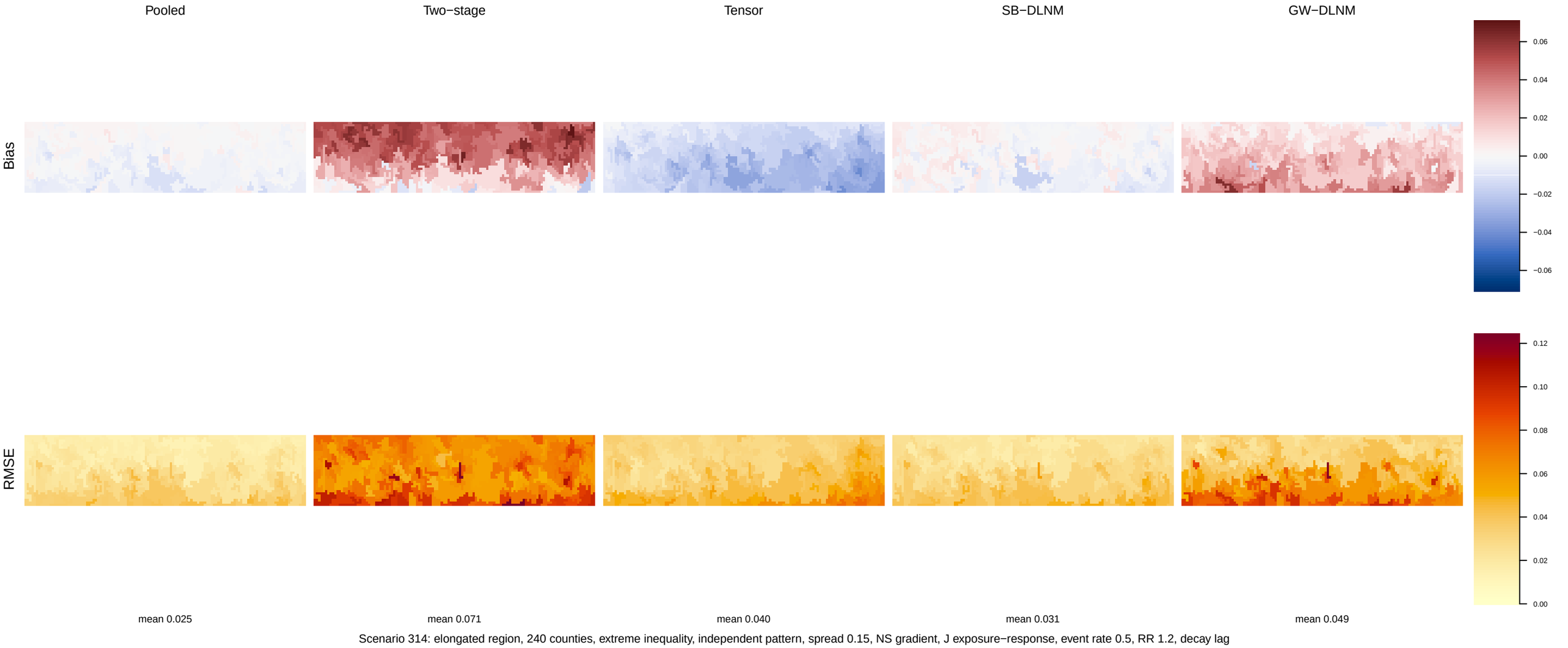
Scenario 122: elongated region, 240 counties, extreme inequality, local pattern, spread 0.00, ridge gradient, linear exposure−response, event rate 0.5, RR 1.0, harvest lag



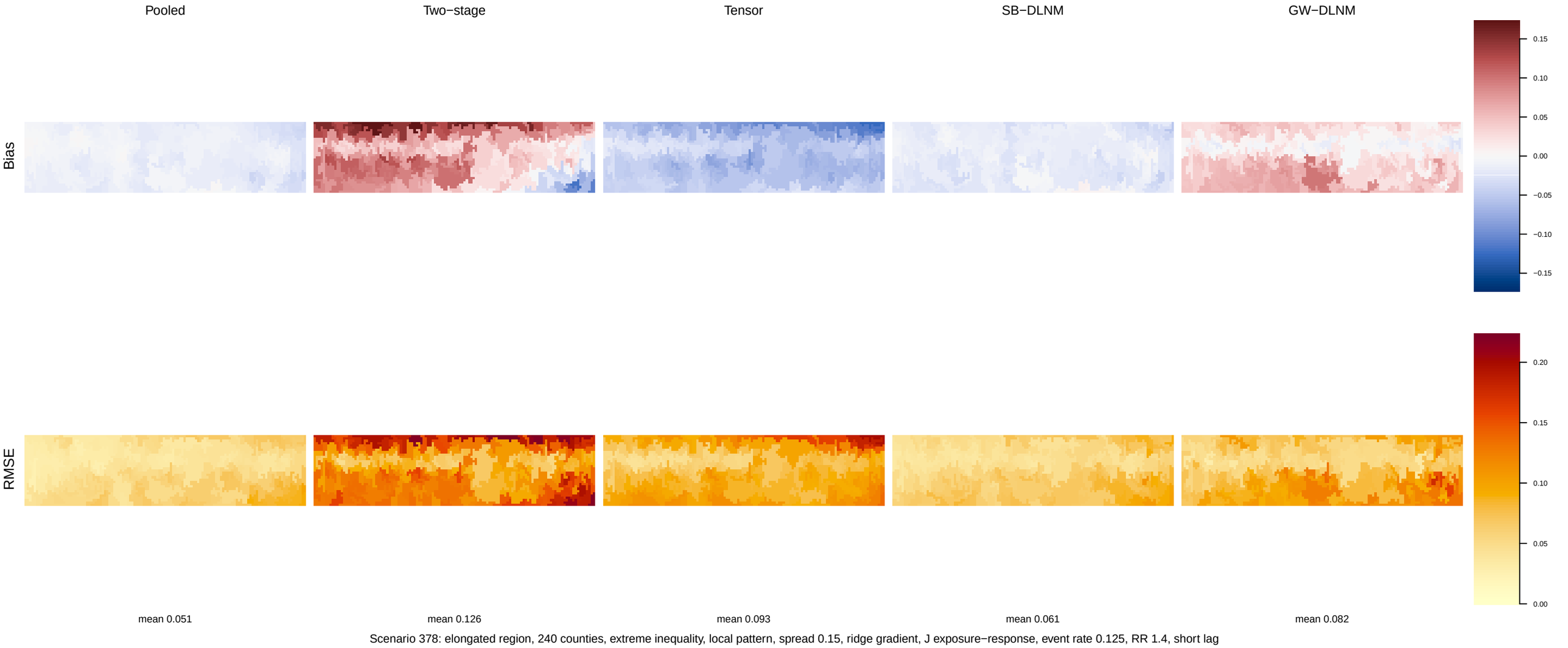
Scenario 186: elongated region, 240 counties, extreme inequality, regional pattern, spread 0.00, valley gradient, linear exposure−response, event rate 2, RR 1.4, short lag



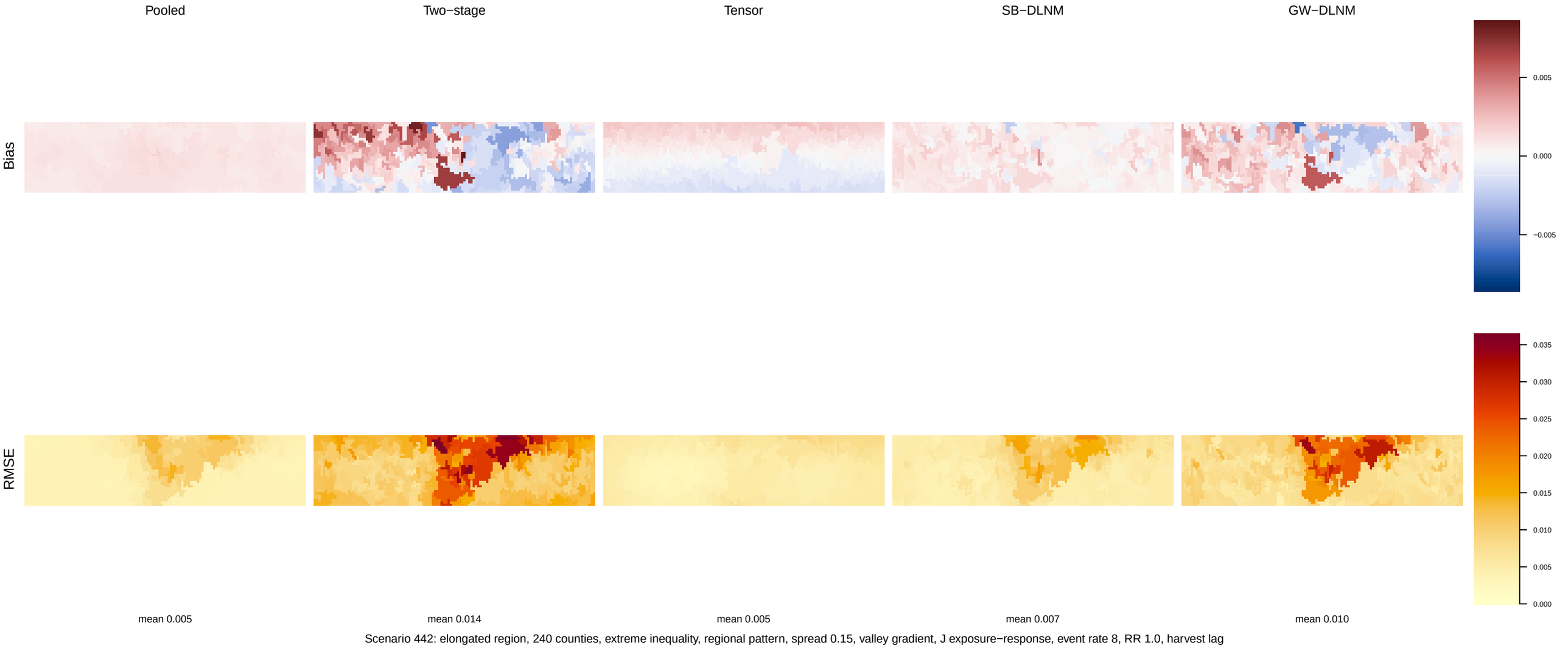
Scenario 506: elongated region, 240 counties, extreme inequality, boundary pattern, spread 0.15, edges gradient, J exposure−response, event rate 2, RR 1.6, delayed lag



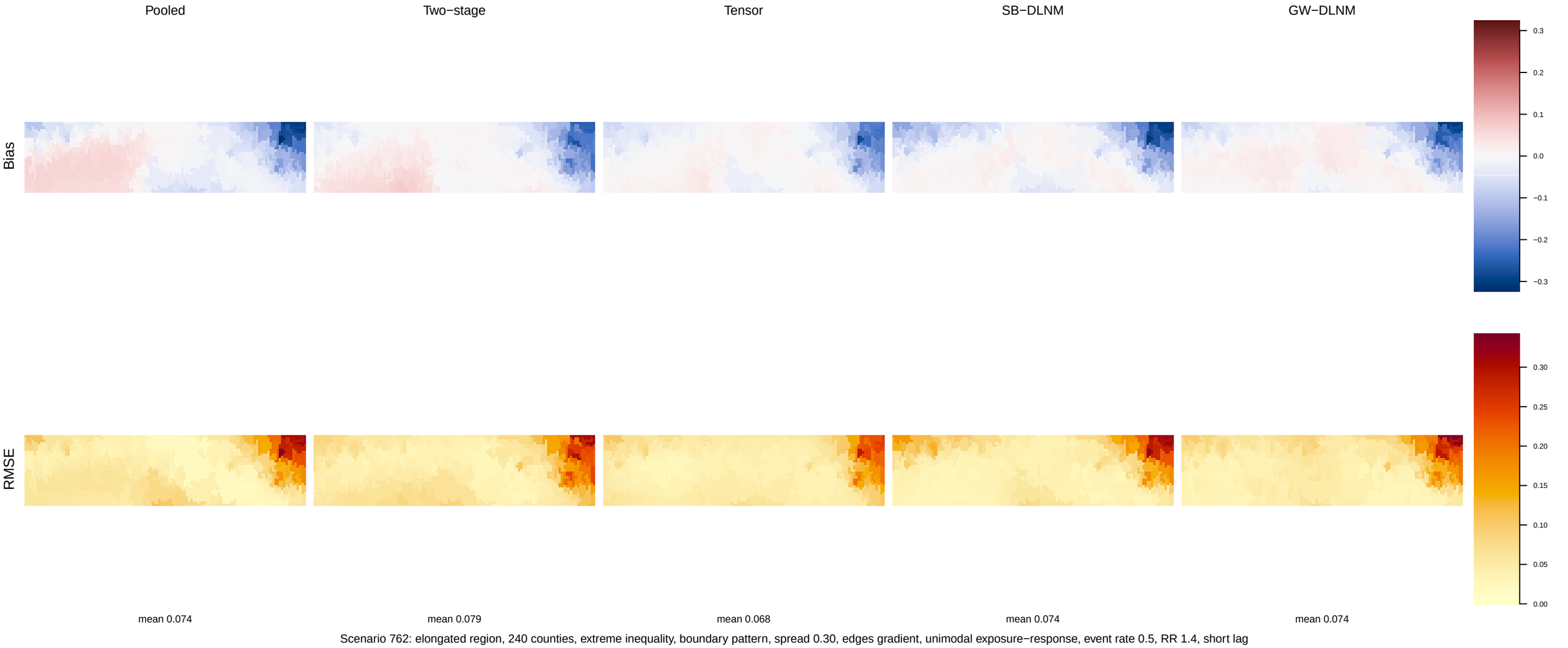
Scenario 314: elongated region, 240 counties, extreme inequality, independent pattern, spread 0.15, NS gradient, J exposure−response, event rate 0.5, RR 1.2, decay lag



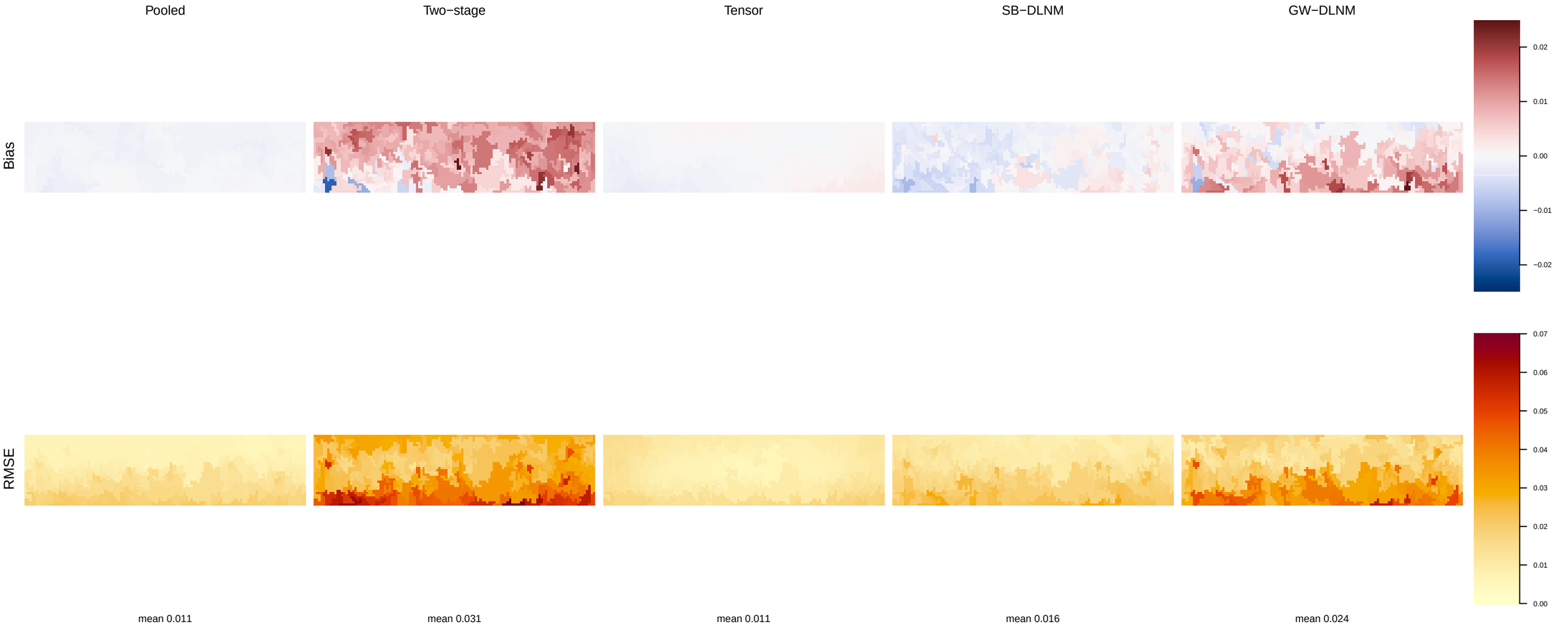
Scenario 378: elongated region, 240 counties, extreme inequality, local pattern, spread 0.15, ridge gradient, J exposure−response, event rate 0.125, RR 1.4, short lag



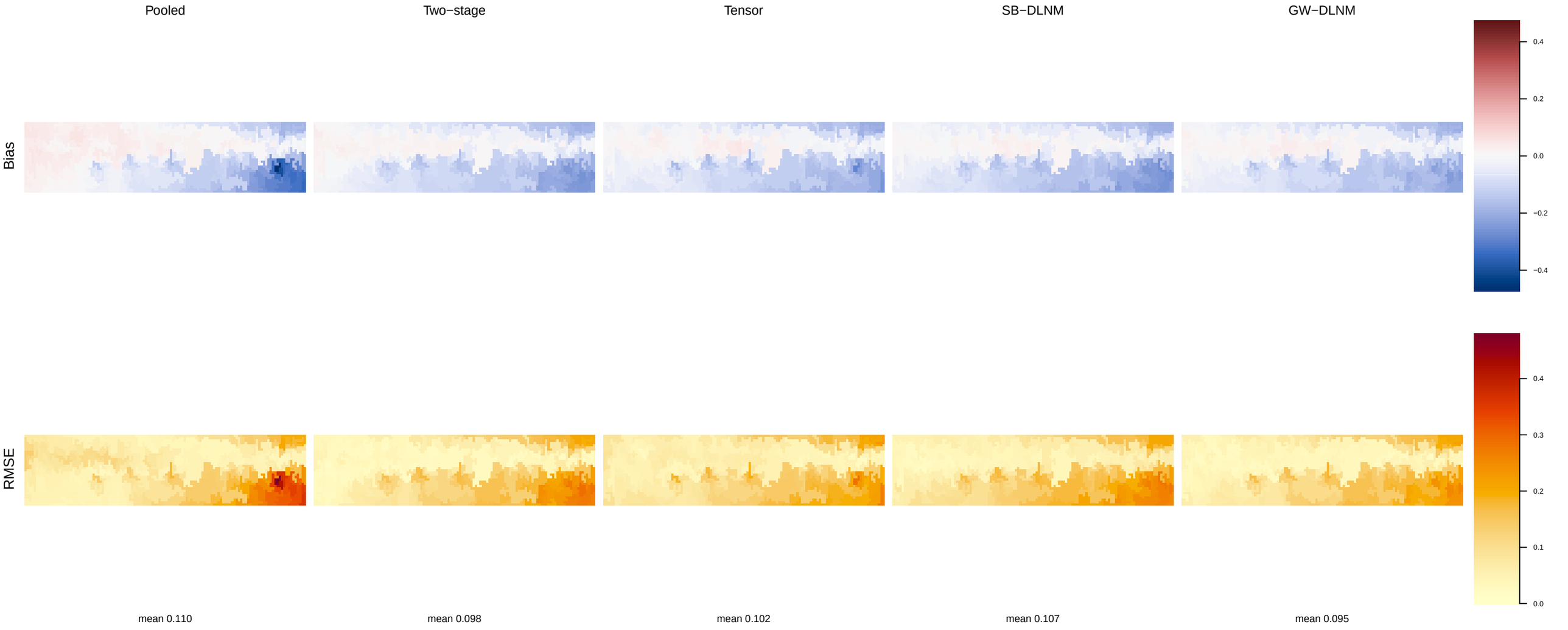
Scenario 442: elongated region, 240 counties, extreme inequality, regional pattern, spread 0.15, valley gradient, J exposure−response, event rate 8, RR 1.0, harvest lag



Scenario 762: elongated region, 240 counties, extreme inequality, boundary pattern, spread 0.30, edges gradient, unimodal exposure−response, event rate 0.5, RR 1.4, short lag



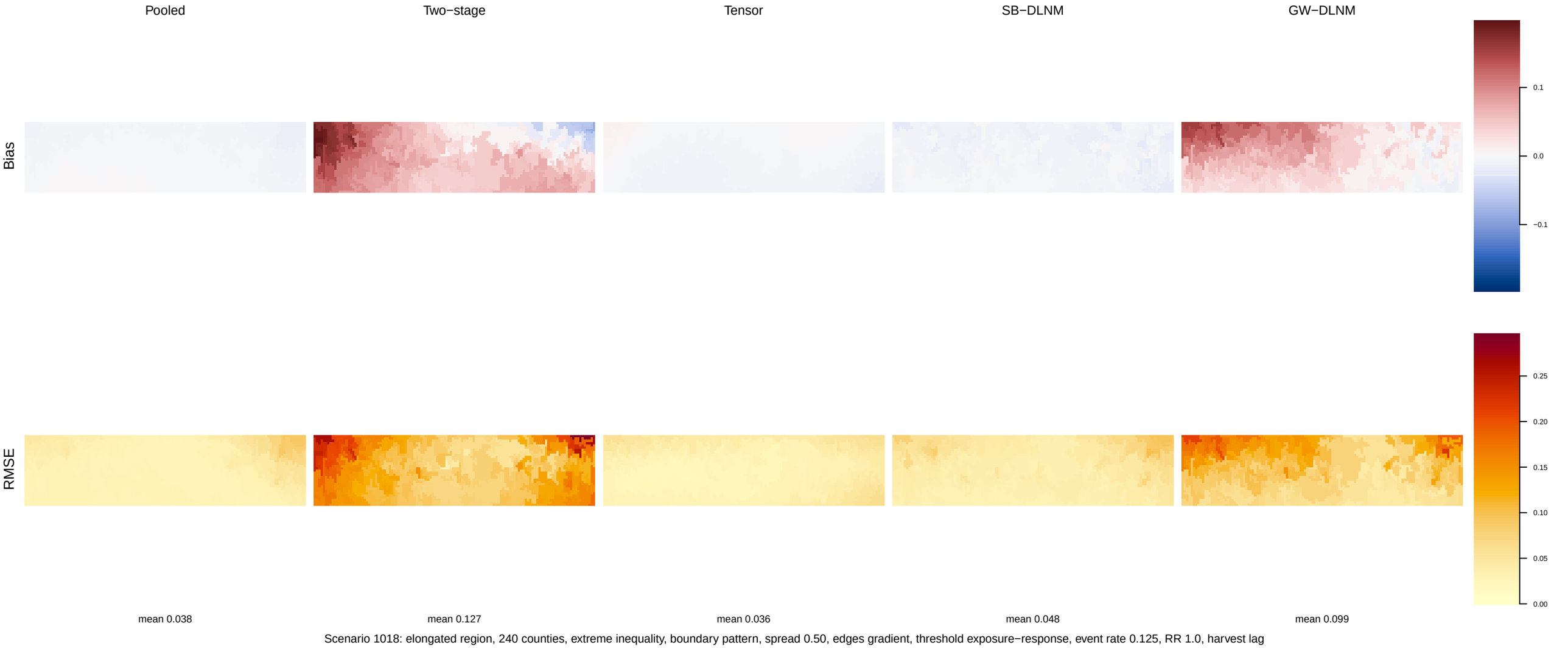
Scenario 570: elongated region, 240 counties, extreme inequality, independent pattern, spread 0.30, NS gradient, unimodal exposure−response, event rate 2, RR 1.0, harvest lag



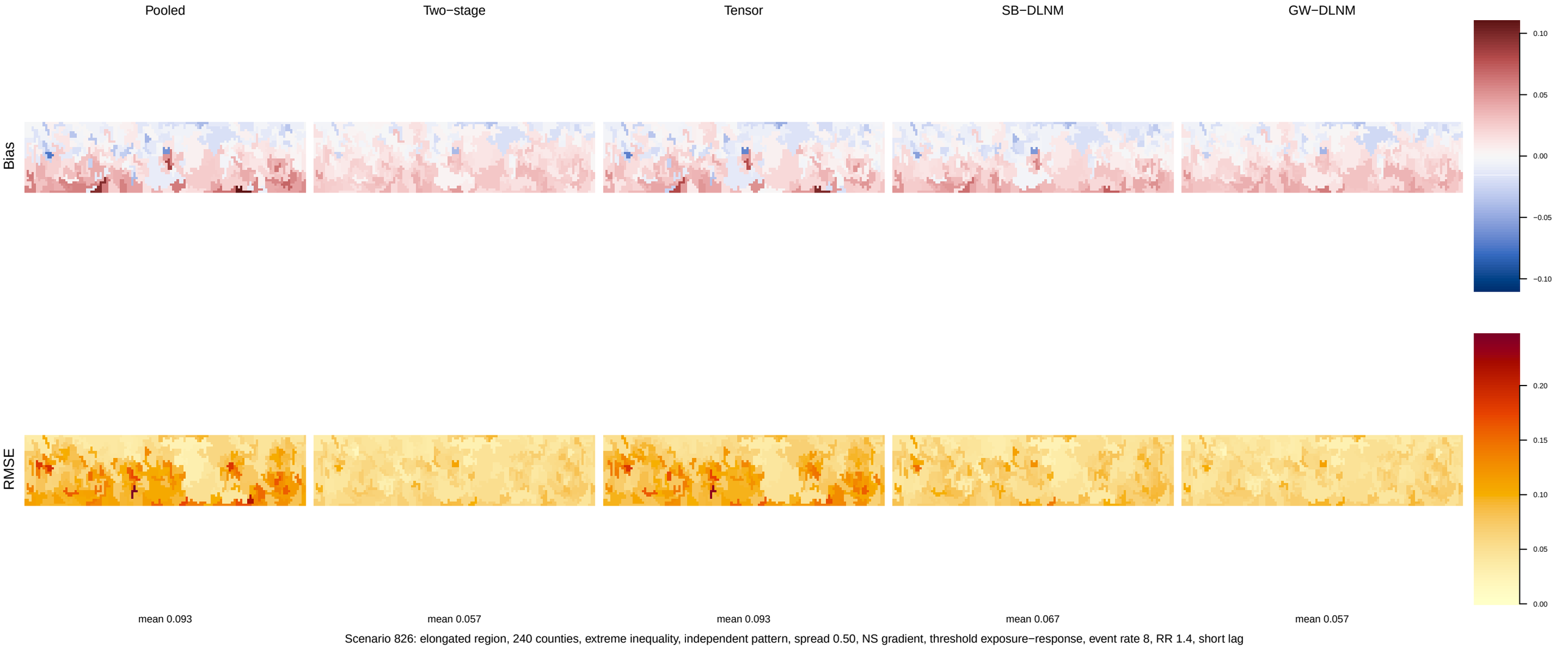
Scenario 634: elongated region, 240 counties, extreme inequality, local pattern, spread 0.30, ridge gradient, unimodal exposure−response, event rate 8, RR 1.6, delayed lag



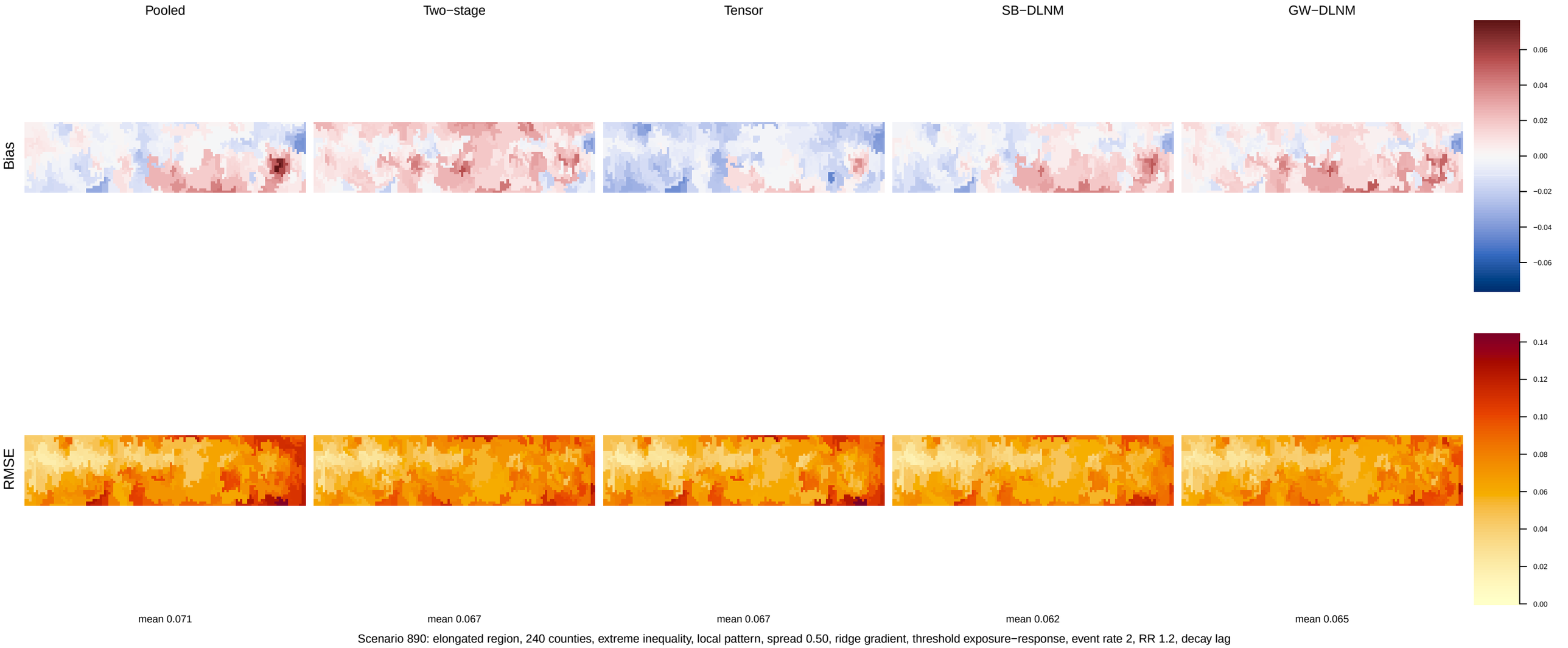
Scenario 698: elongated region, 240 counties, extreme inequality, regional pattern, spread 0.30, valley gradient, unimodal exposure−response, event rate 0.125, RR 1.2, decay lag



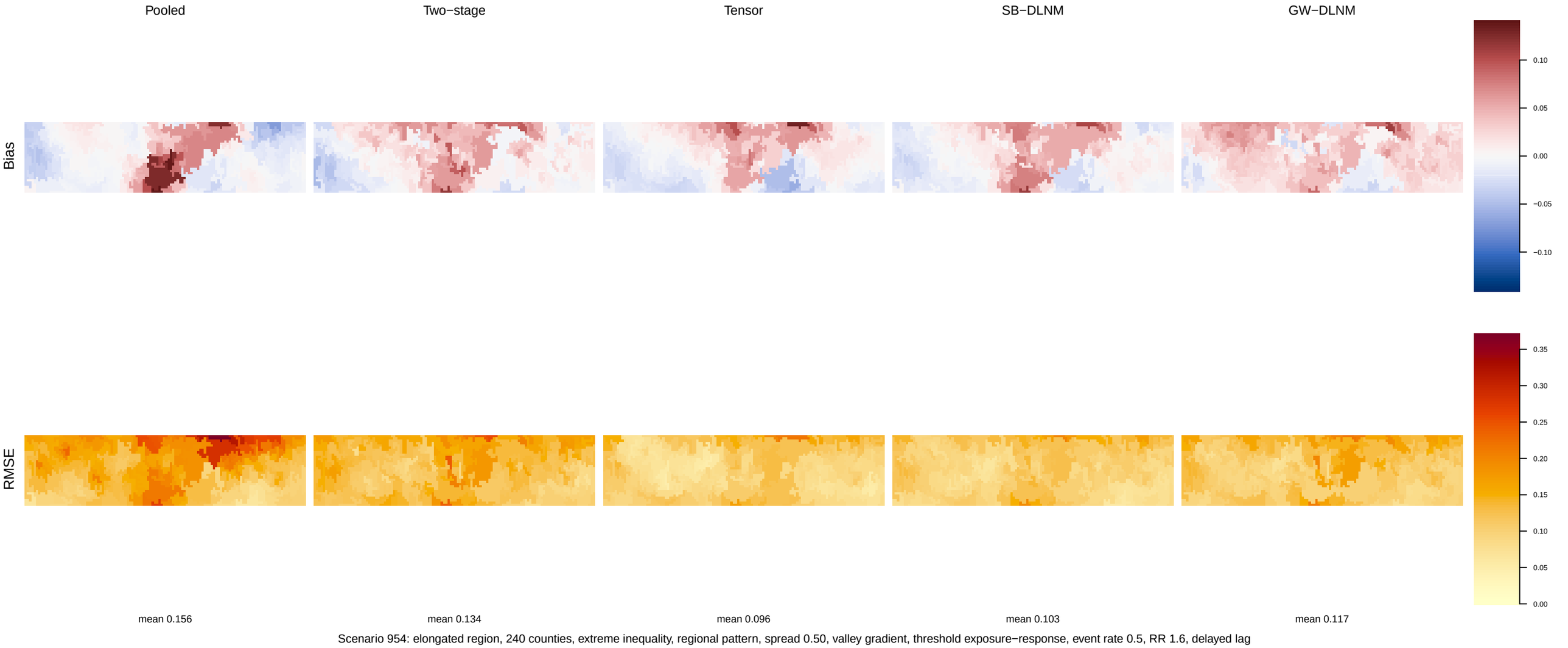
Scenario 1018: elongated region, 240 counties, extreme inequality, boundary pattern, spread 0.50, edges gradient, threshold exposure−response, event rate 0.125, RR 1.0, harvest lag



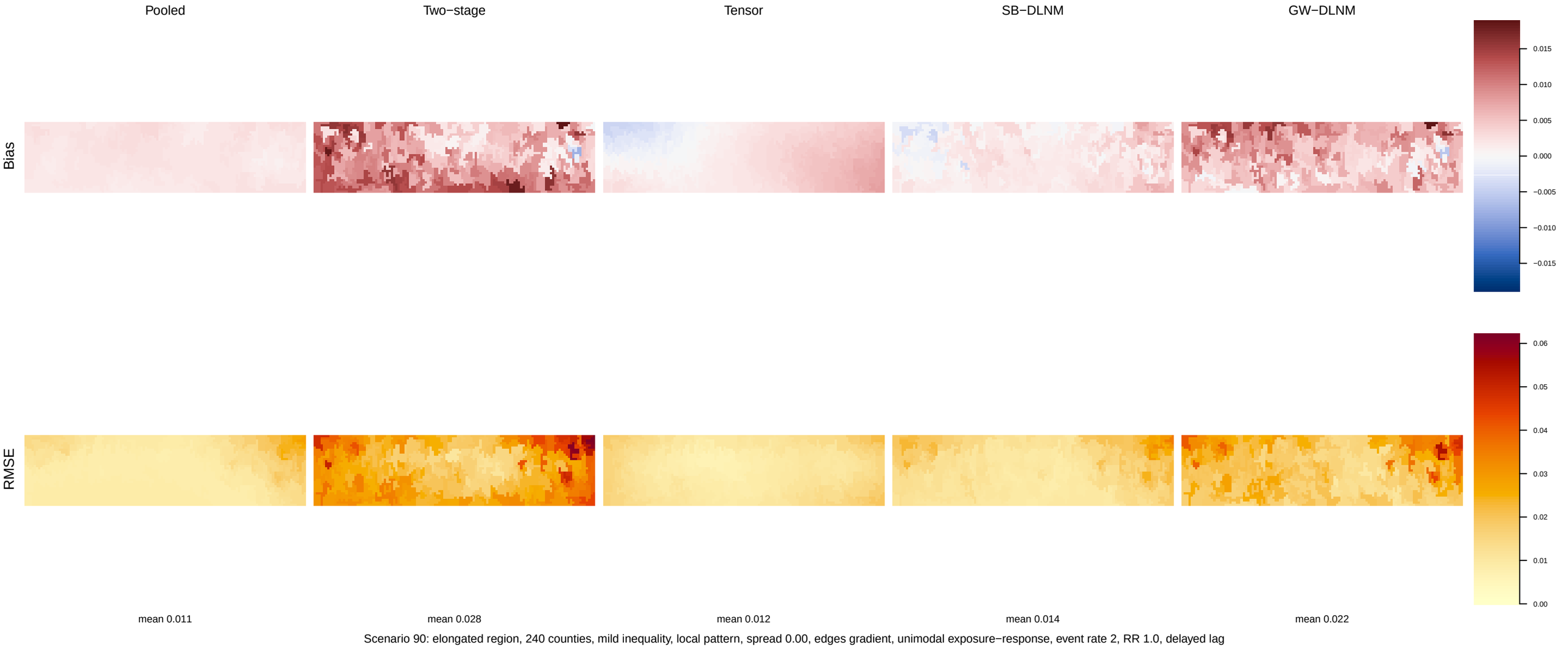
Scenario 826: elongated region, 240 counties, extreme inequality, independent pattern, spread 0.50, NS gradient, threshold exposure−response, event rate 8, RR 1.4, short lag



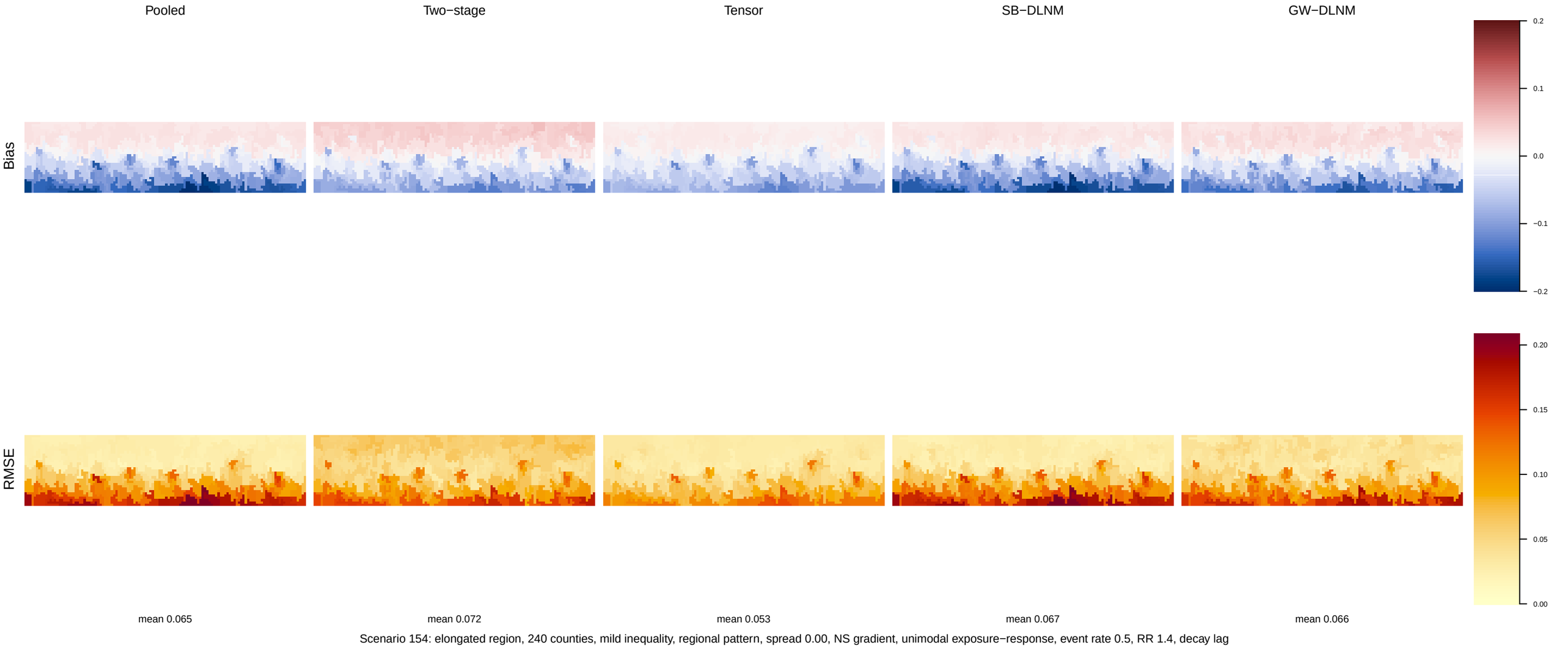
Scenario 890: elongated region, 240 counties, extreme inequality, local pattern, spread 0.50, ridge gradient, threshold exposure−response, event rate 2, RR 1.2, decay lag



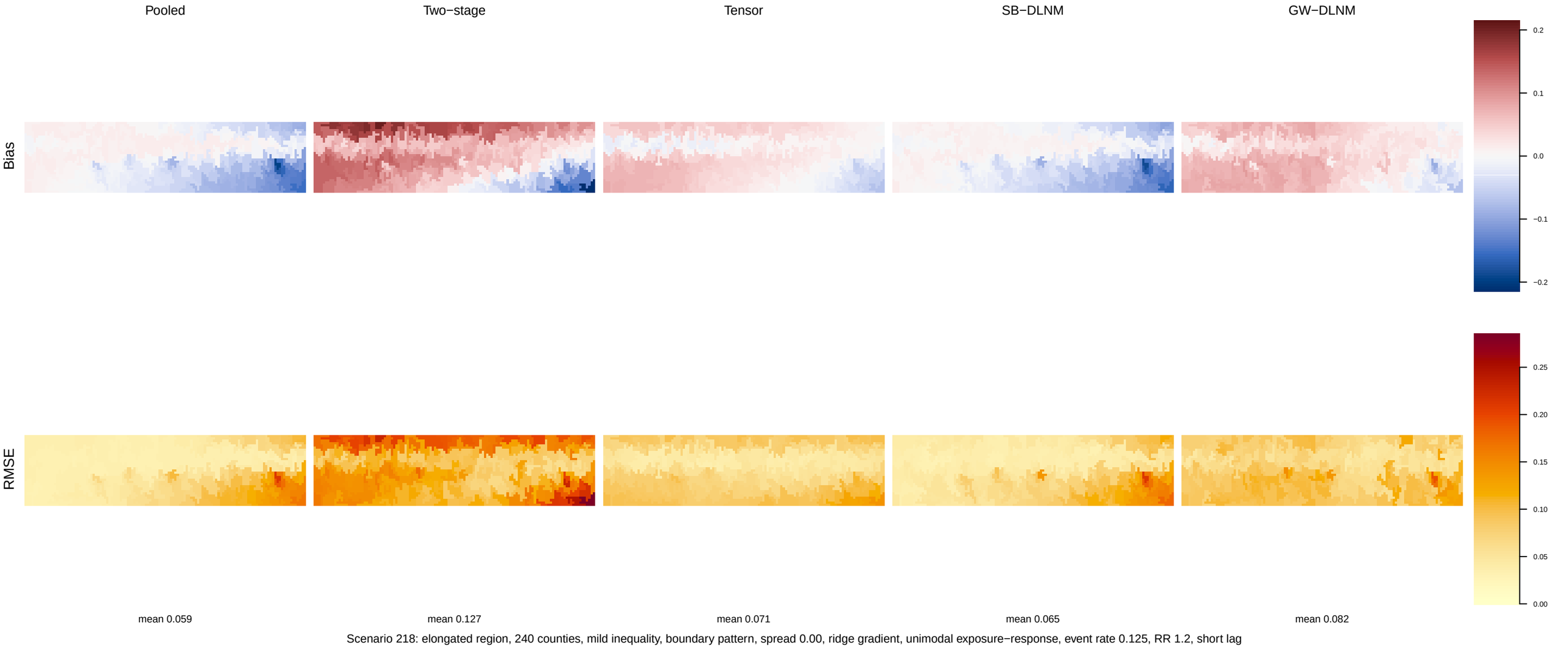
Scenario 954: elongated region, 240 counties, extreme inequality, regional pattern, spread 0.50, valley gradient, threshold exposure−response, event rate 0.5, RR 1.6, delayed lag



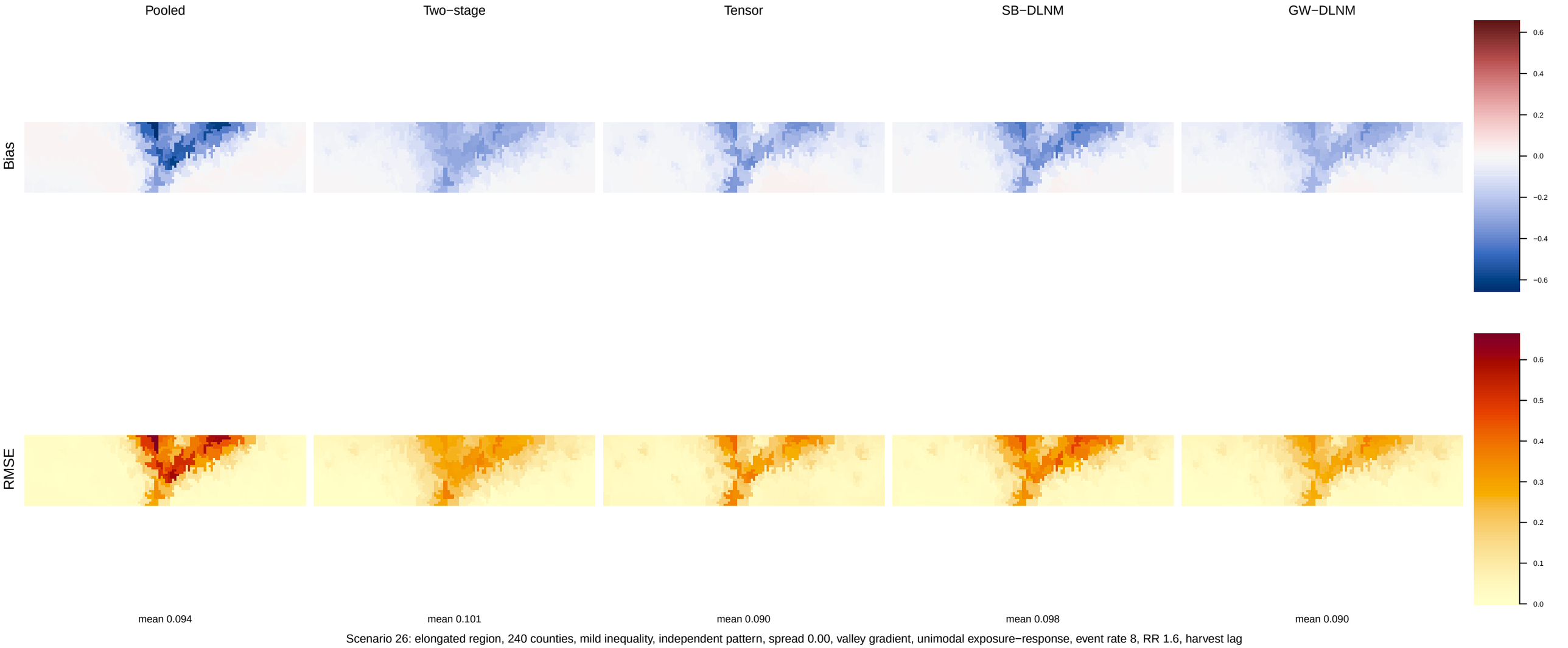
Scenario 90: elongated region, 240 counties, mild inequality, local pattern, spread 0.00, edges gradient, unimodal exposure−response, event rate 2, RR 1.0, delayed lag



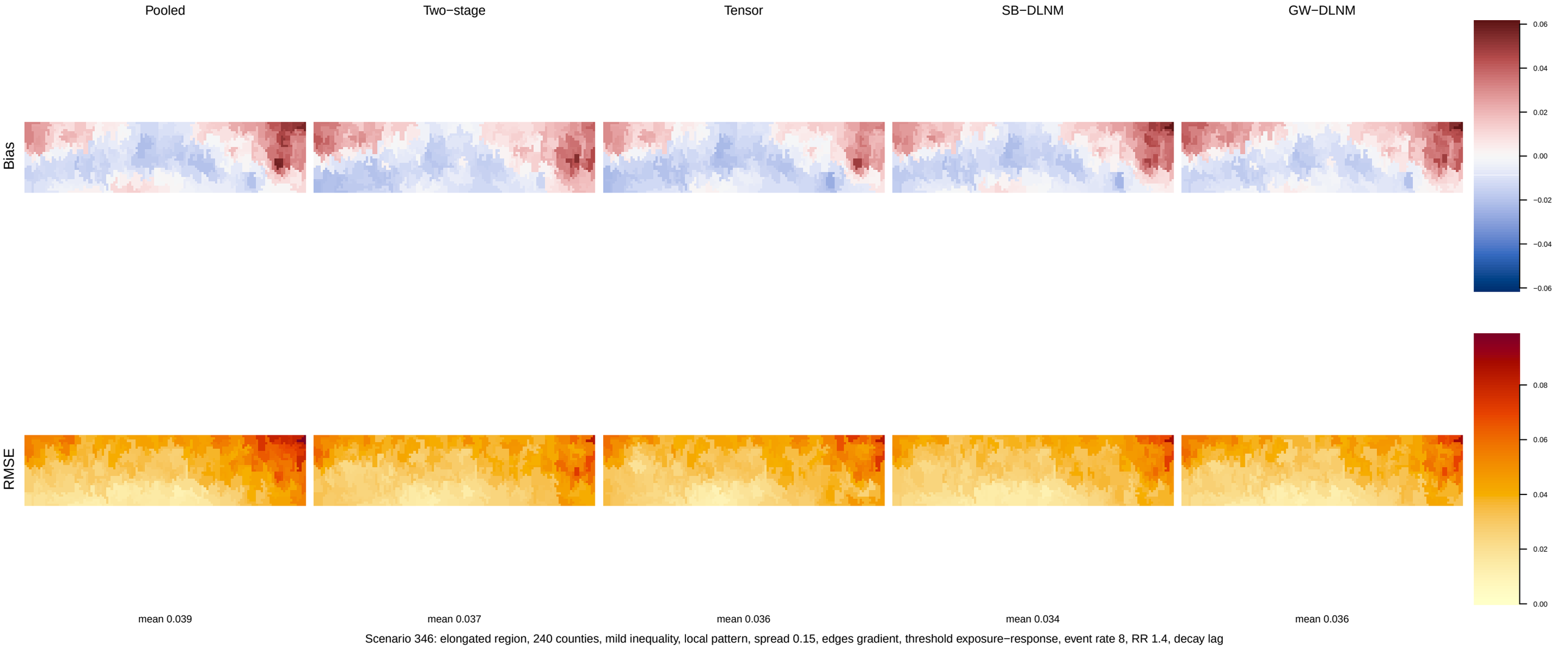
Scenario 154: elongated region, 240 counties, mild inequality, regional pattern, spread 0.00, NS gradient, unimodal exposure−response, event rate 0.5, RR 1.4, decay lag



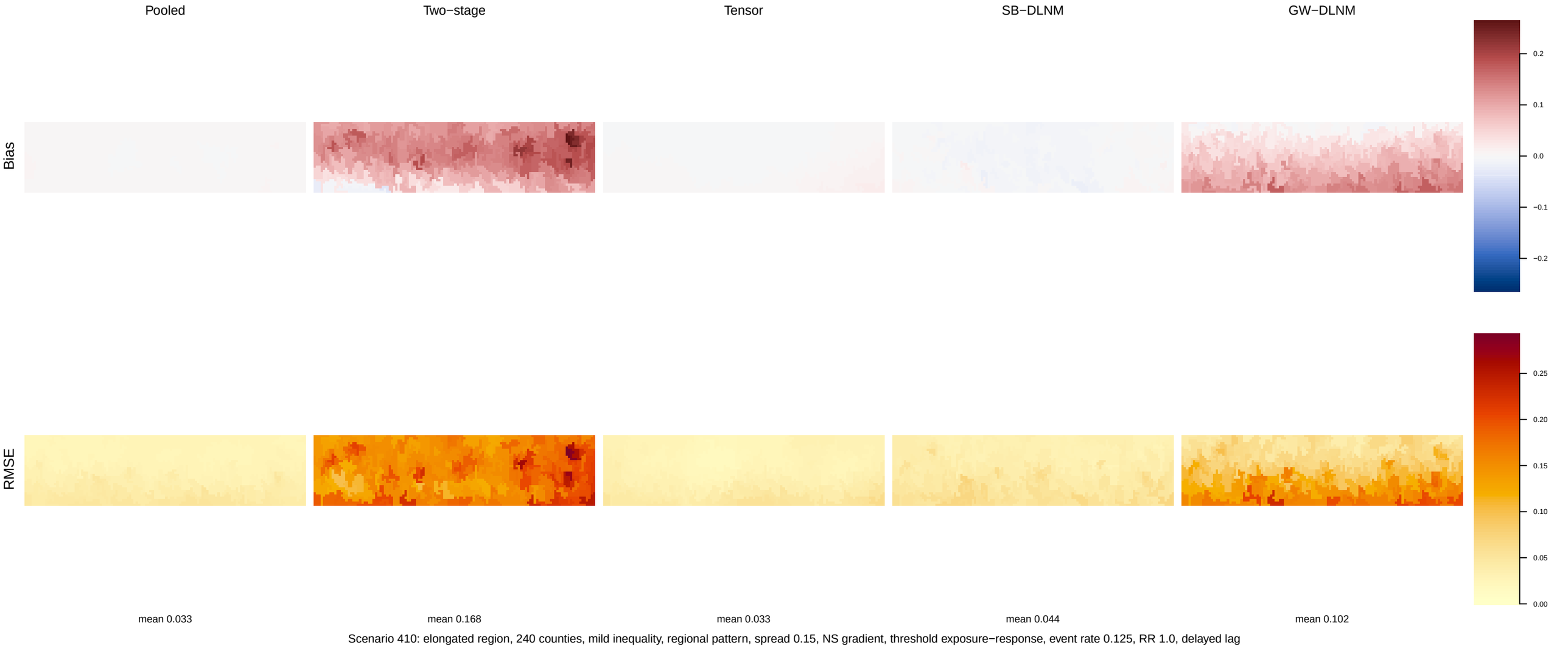
Scenario 218: elongated region, 240 counties, mild inequality, boundary pattern, spread 0.00, ridge gradient, unimodal exposure−response, event rate 0.125, RR 1.2, short lag



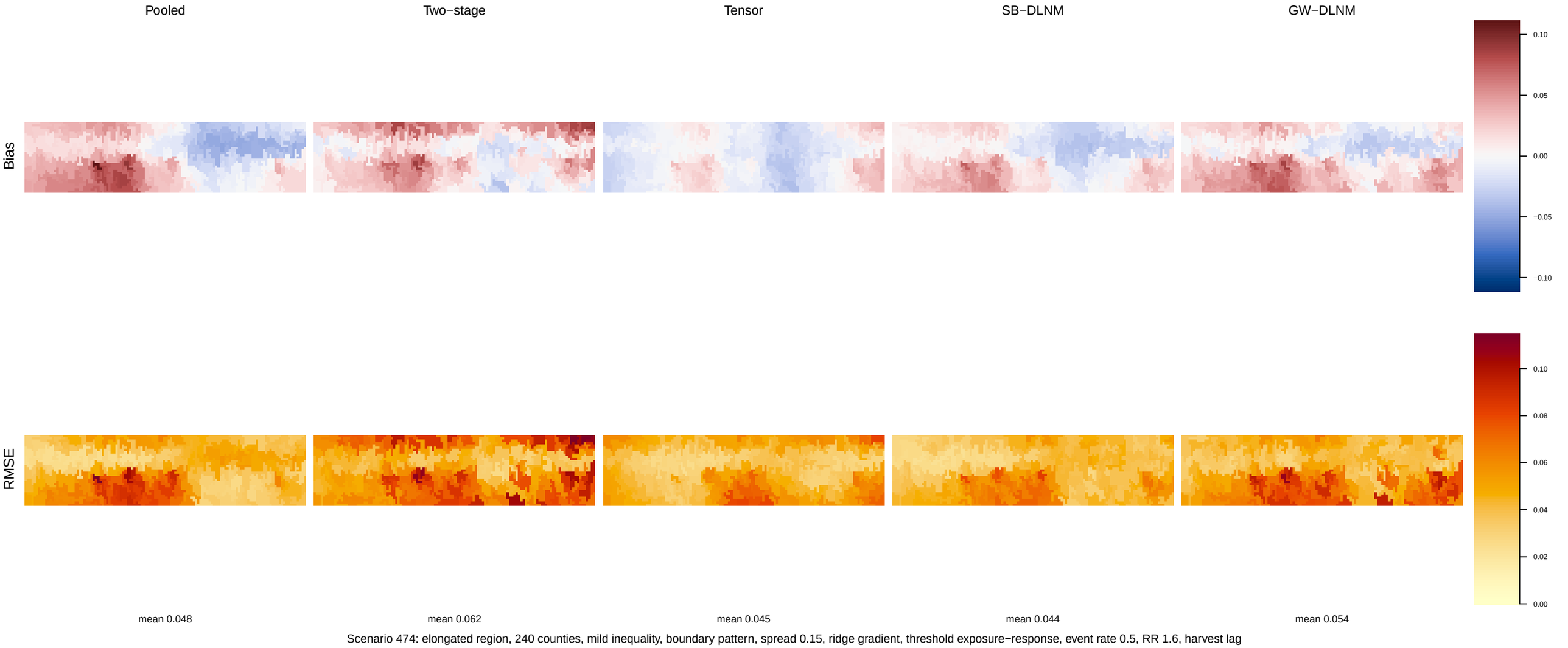
Scenario 26: elongated region, 240 counties, mild inequality, independent pattern, spread 0.00, valley gradient, unimodal exposure−response, event rate 8, RR 1.6, harvest lag



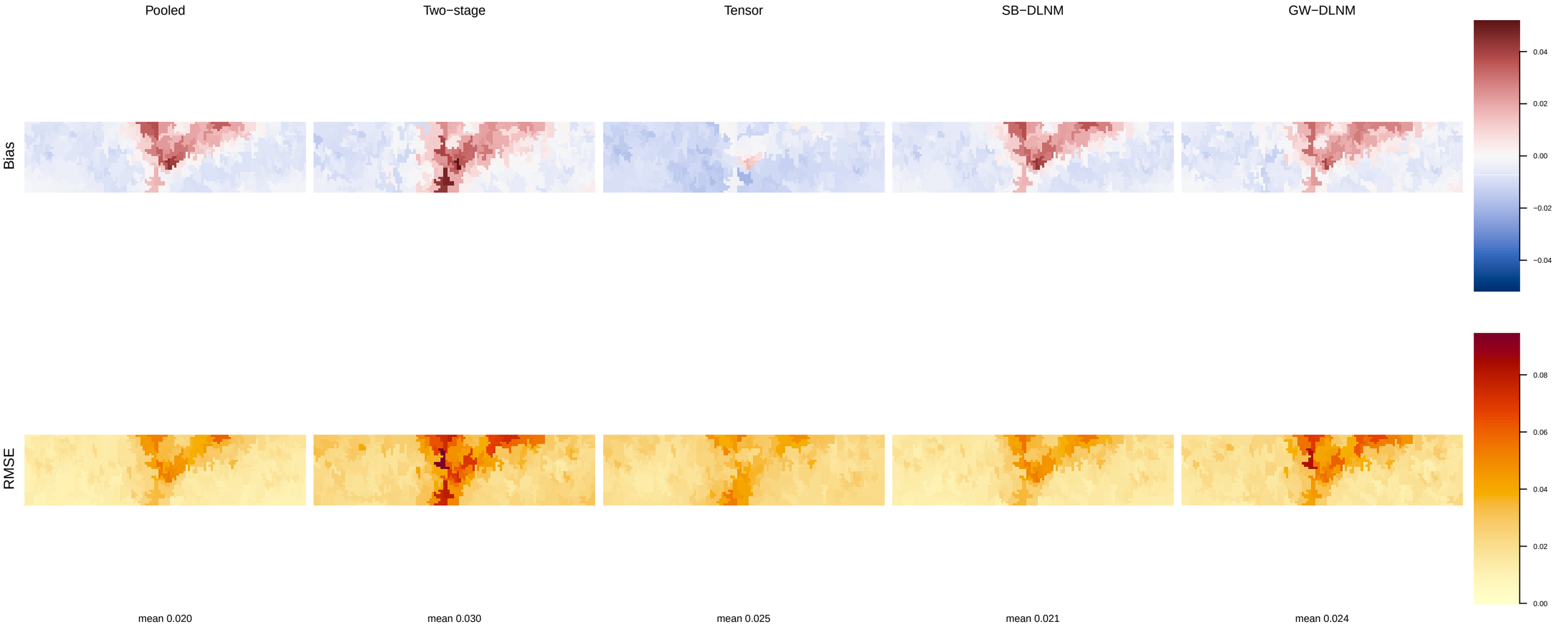
Scenario 346: elongated region, 240 counties, mild inequality, local pattern, spread 0.15, edges gradient, threshold exposure−response, event rate 8, RR 1.4, decay lag



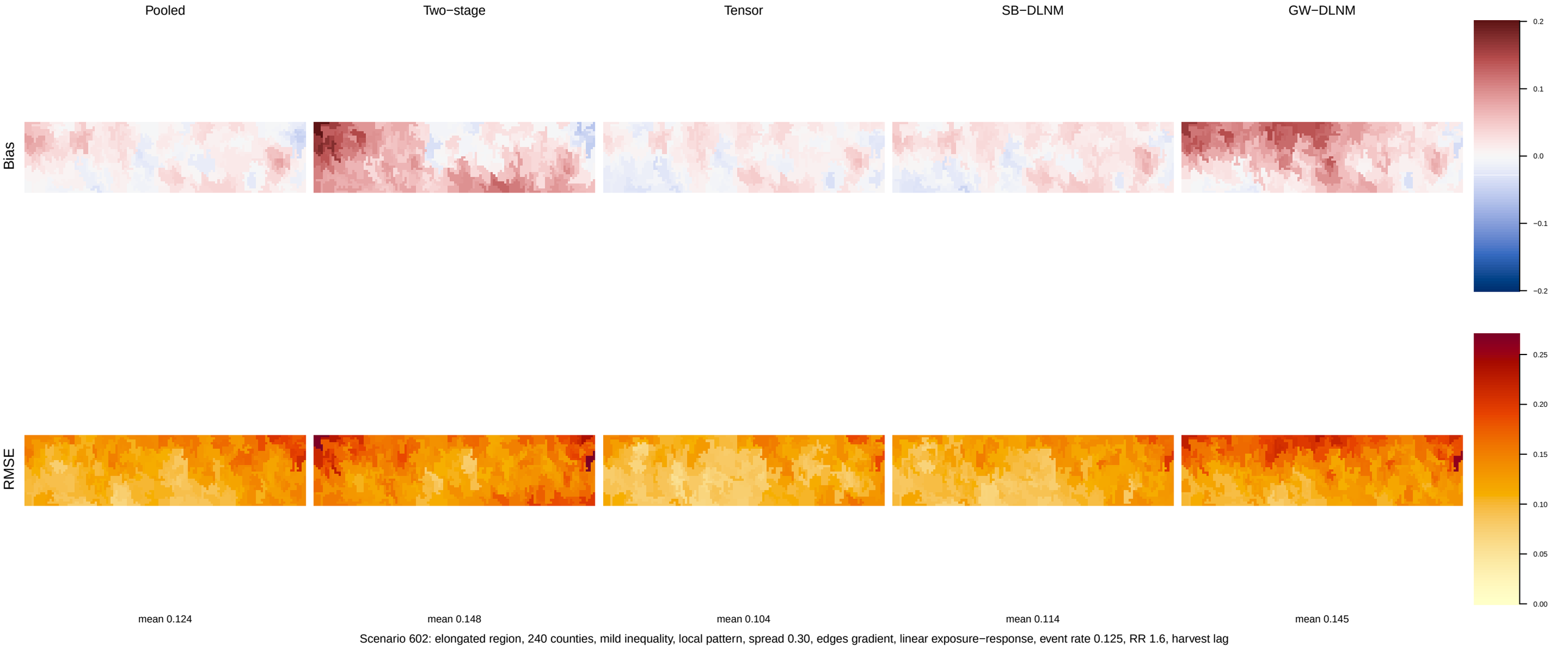
Scenario 410: elongated region, 240 counties, mild inequality, regional pattern, spread 0.15, NS gradient, threshold exposure−response, event rate 0.125, RR 1.0, delayed lag

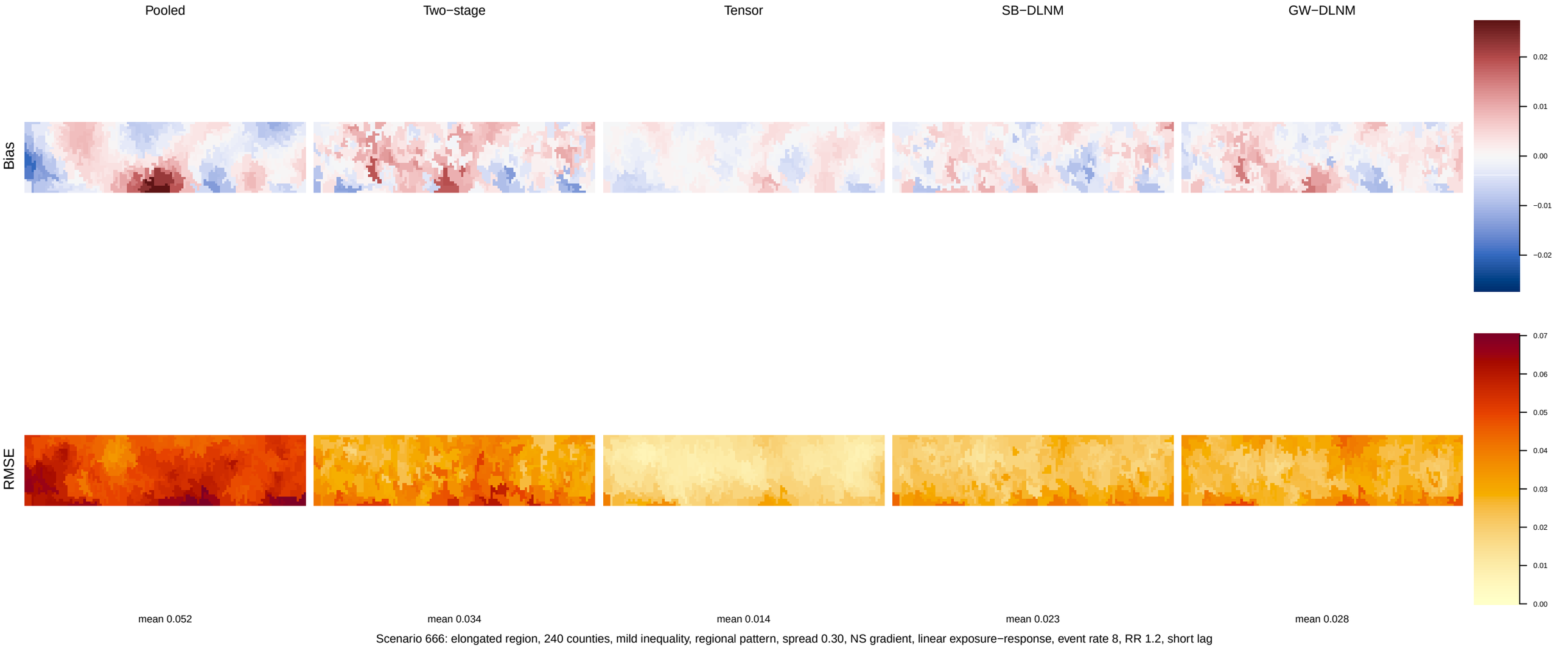


Scenario 474: elongated region, 240 counties, mild inequality, boundary pattern, spread 0.15, ridge gradient, threshold exposure−response, event rate 0.5, RR 1.6, harvest lag

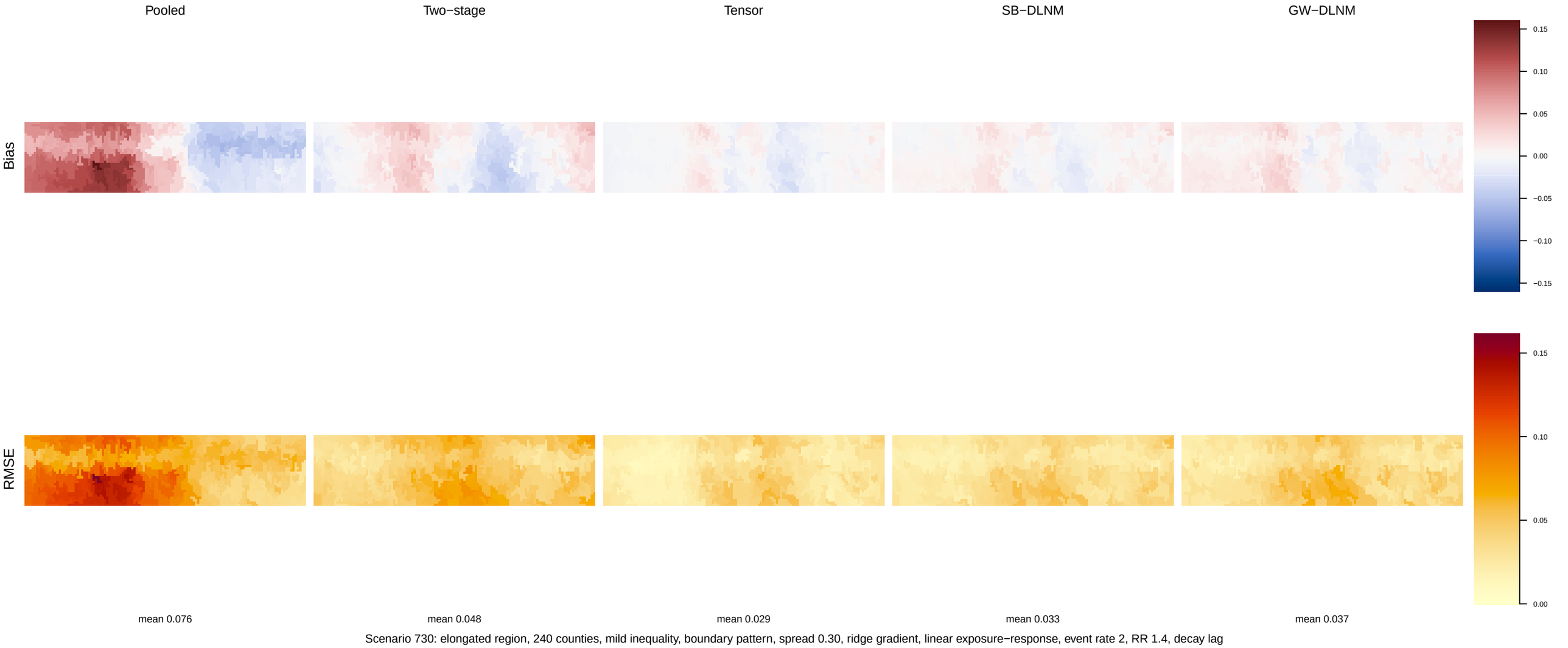


Scenario 282: elongated region, 240 counties, mild inequality, independent pattern, spread 0.15, valley gradient, threshold exposure−response, event rate 2, RR 1.2, short lag

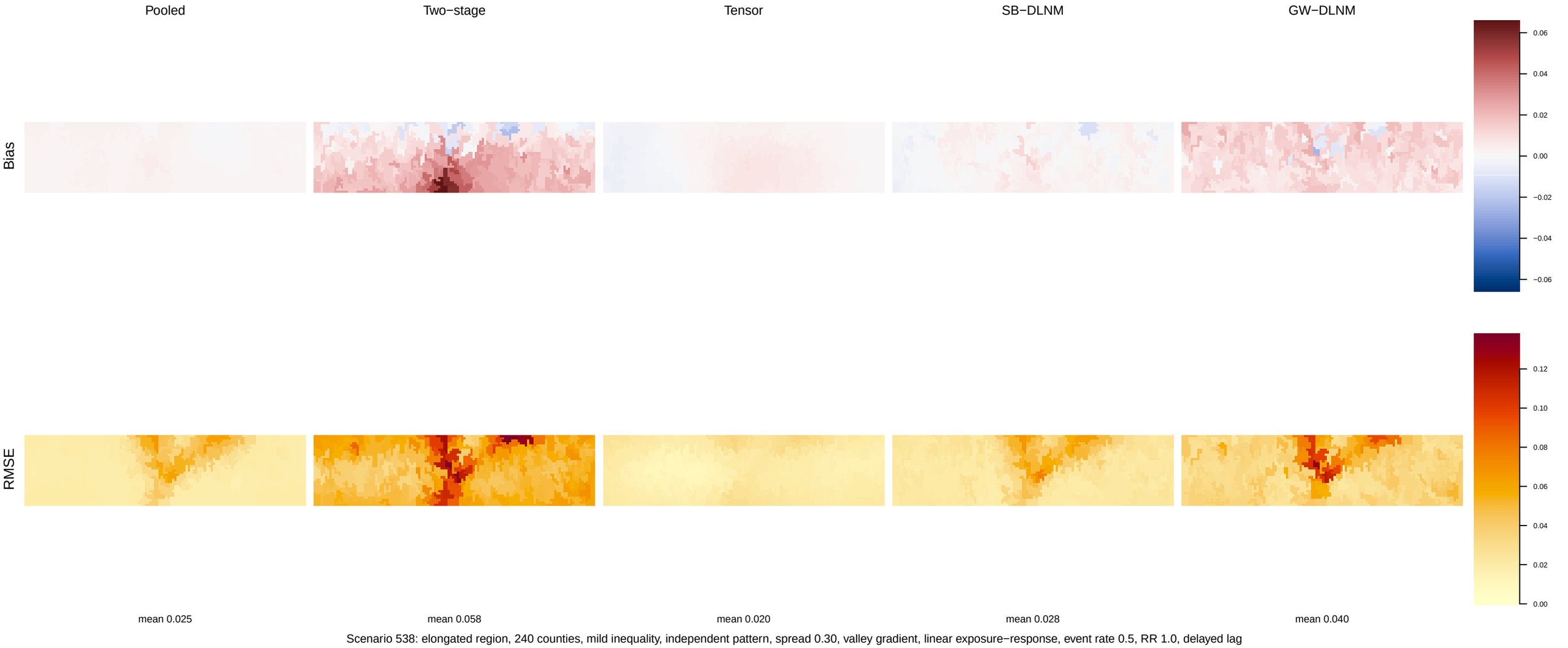

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.2
0.1
0.0
−0.1
−0.2
0.25
0.20
0.15
0.10
0.05
0.00
mean 0.124
mean 0.148
mean 0.104
mean 0.114
mean 0.145
Scenario 602: elongated region, 240 counties, mild inequality, local pattern, spread 0.30, edges gradient, linear exposure−response, event rate 0.125, RR 1.6, harvest lag



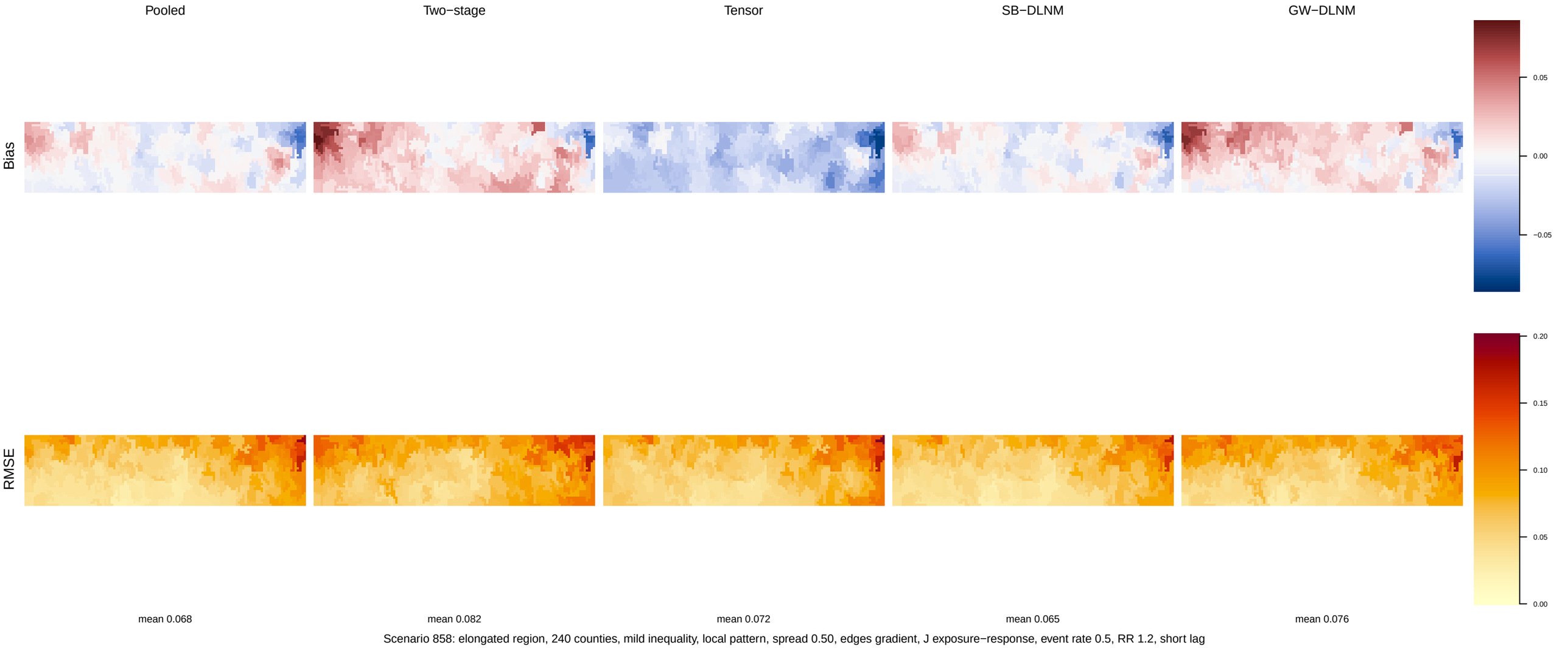
Scenario 666: elongated region, 240 counties, mild inequality, regional pattern, spread 0.30, NS gradient, linear exposure−response, event rate 8, RR 1.2, short lag



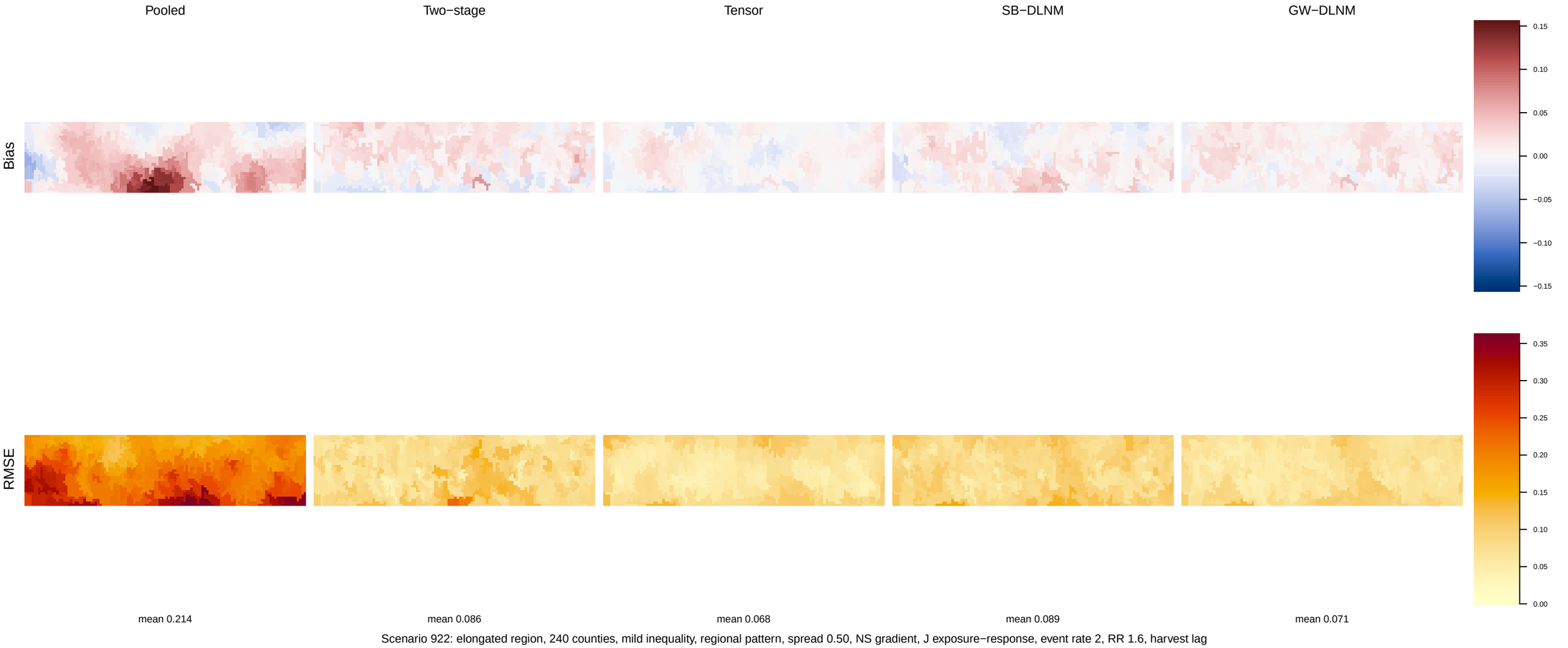
Scenario 730: elongated region, 240 counties, mild inequality, boundary pattern, spread 0.30, ridge gradient, linear exposure−response, event rate 2, RR 1.4, decay lag



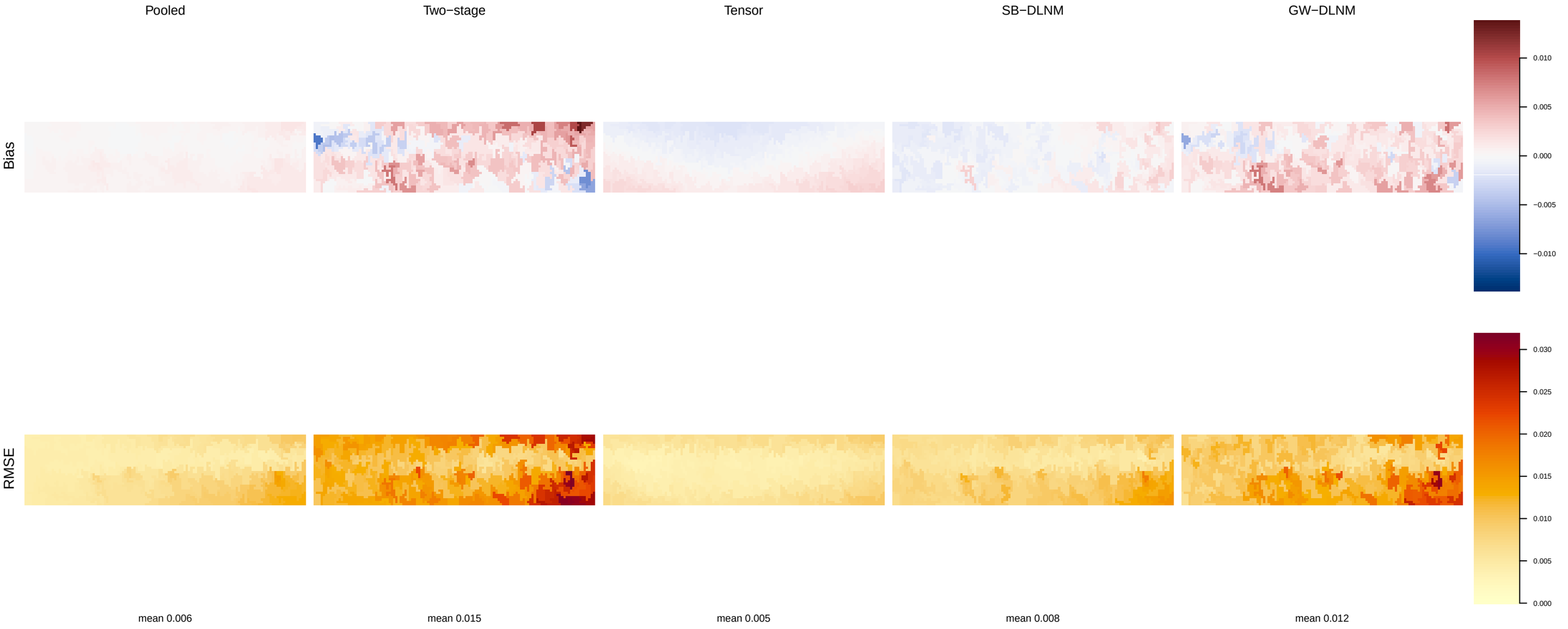
Scenario 538: elongated region, 240 counties, mild inequality, independent pattern, spread 0.30, valley gradient, linear exposure−response, event rate 0.5, RR 1.0, delayed lag



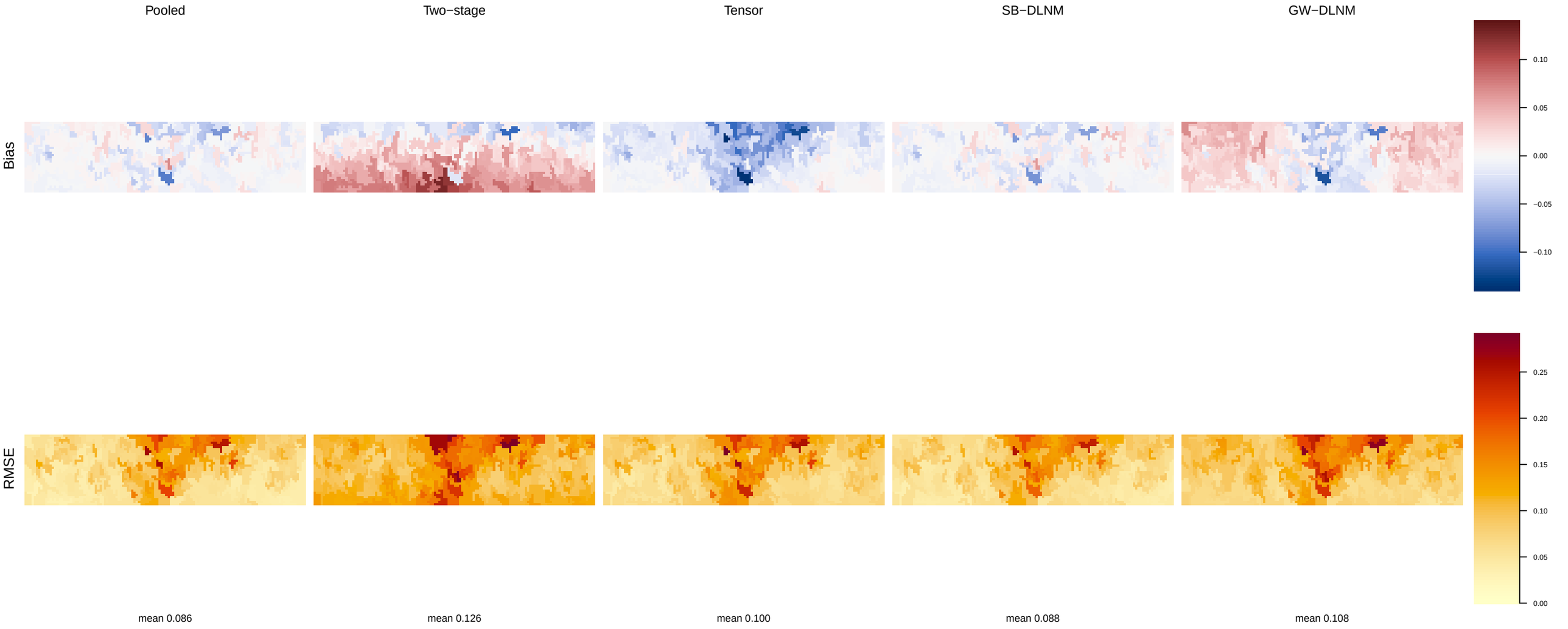
Scenario 858: elongated region, 240 counties, mild inequality, local pattern, spread 0.50, edges gradient, J exposure−response, event rate 0.5, RR 1.2, short lag



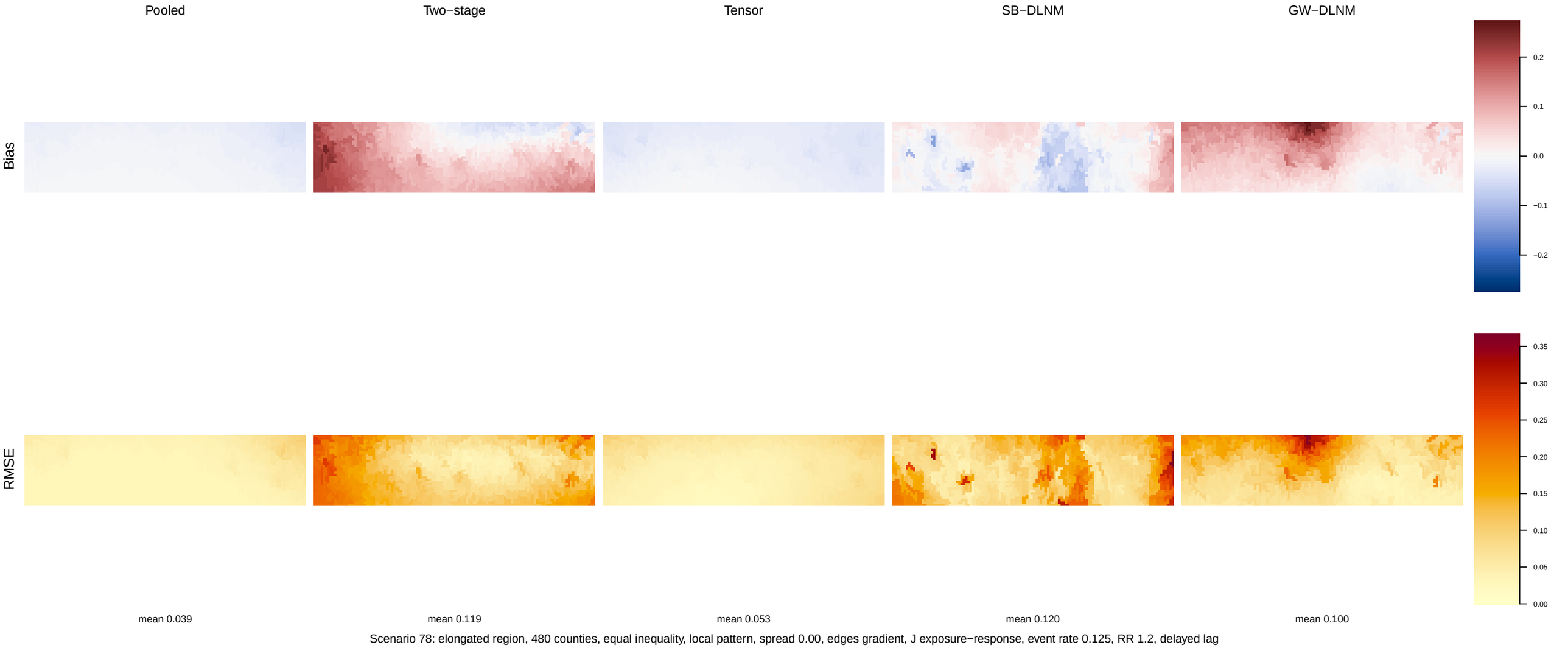
Scenario 922: elongated region, 240 counties, mild inequality, regional pattern, spread 0.50, NS gradient, J exposure−response, event rate 2, RR 1.6, harvest lag



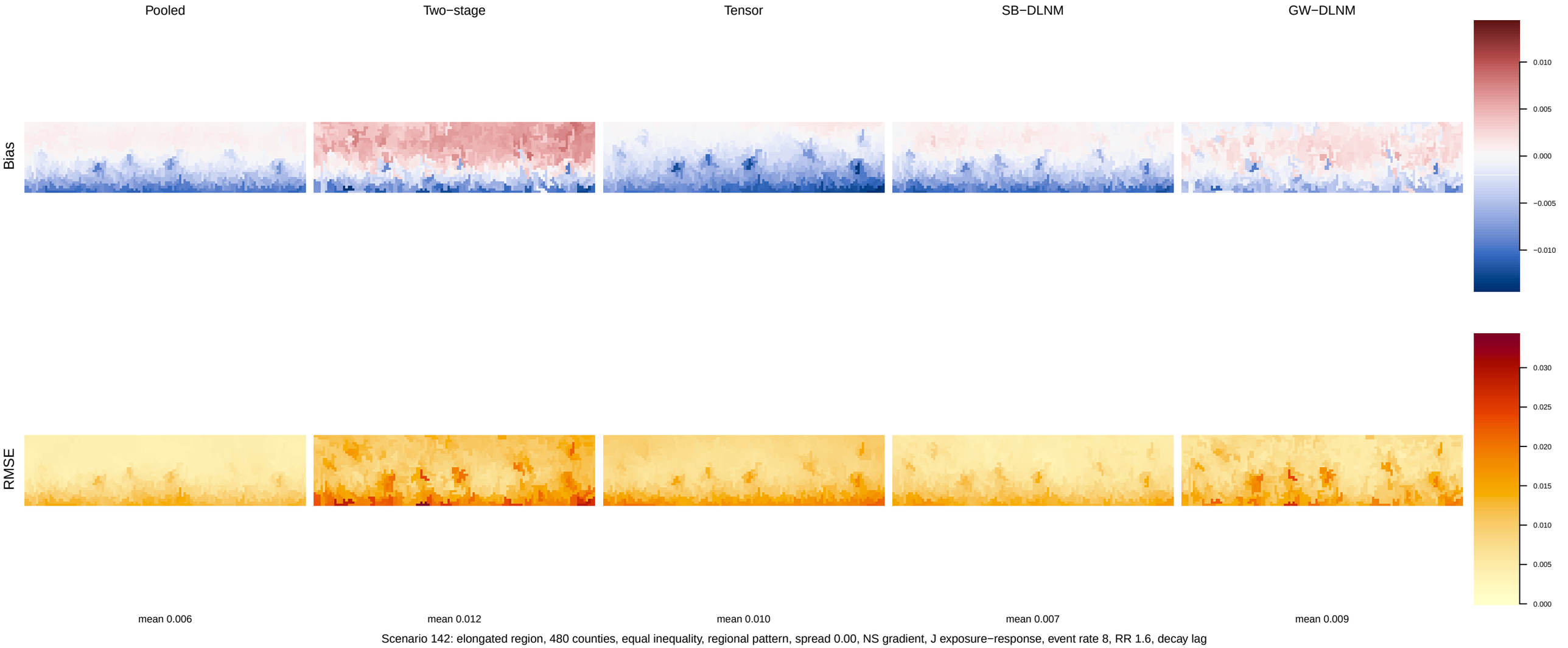
Scenario 986: elongated region, 240 counties, mild inequality, boundary pattern, spread 0.50, ridge gradient, J exposure−response, event rate 8, RR 1.0, delayed lag



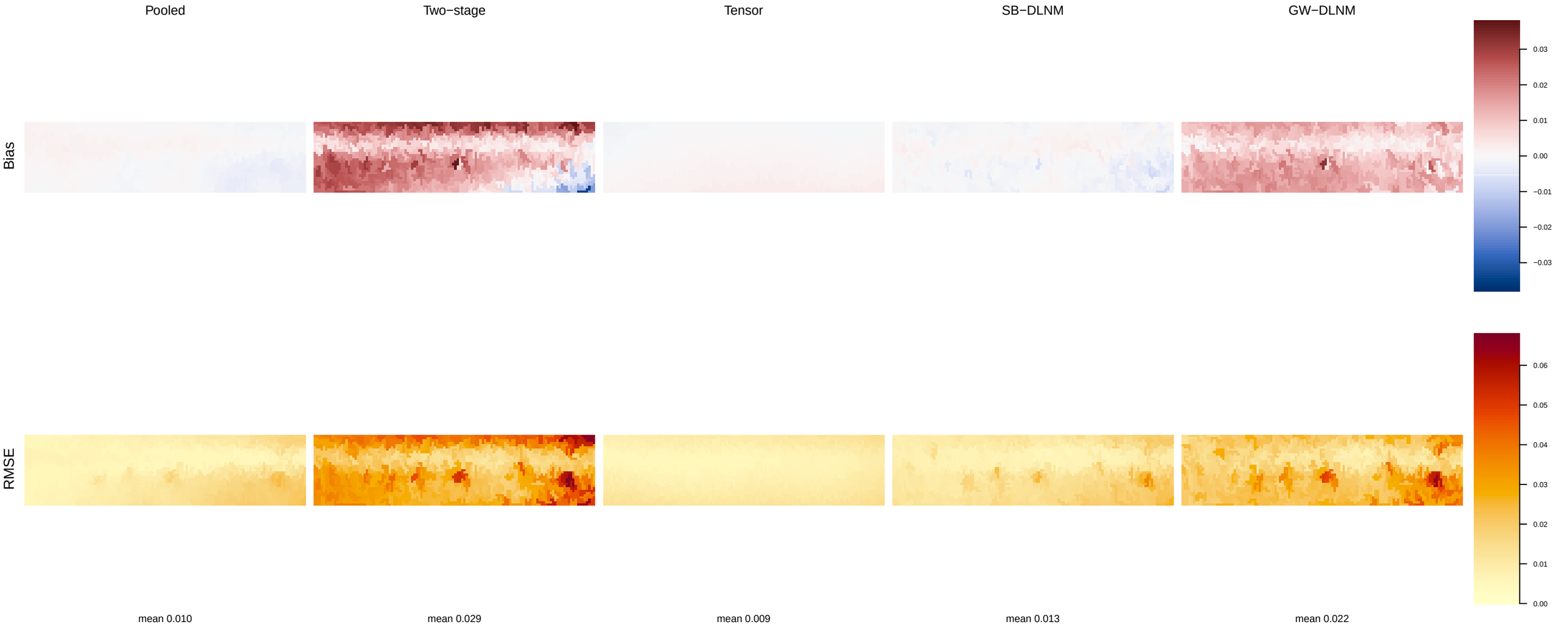
Scenario 794: elongated region, 240 counties, mild inequality, independent pattern, spread 0.50, valley gradient, J exposure−response, event rate 0.125, RR 1.4, decay lag



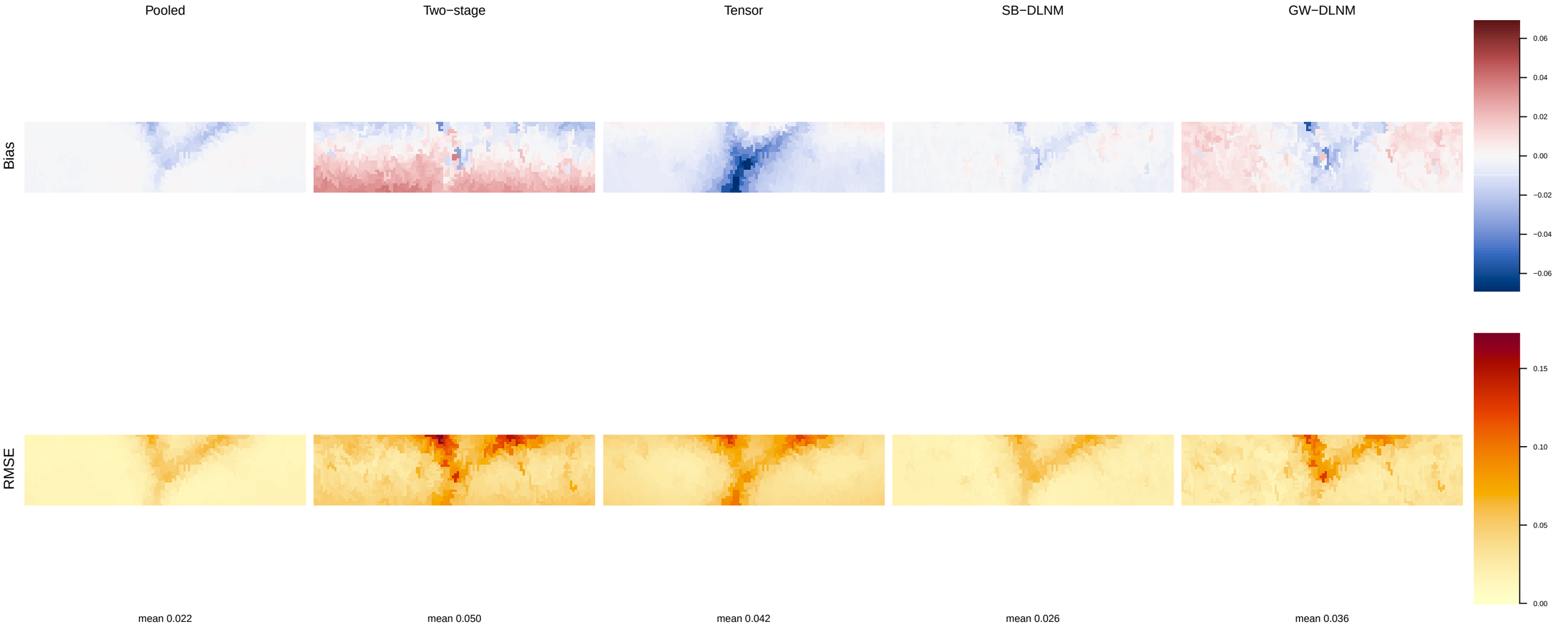
Scenario 78: elongated region, 480 counties, equal inequality, local pattern, spread 0.00, edges gradient, J exposure−response, event rate 0.125, RR 1.2, delayed lag



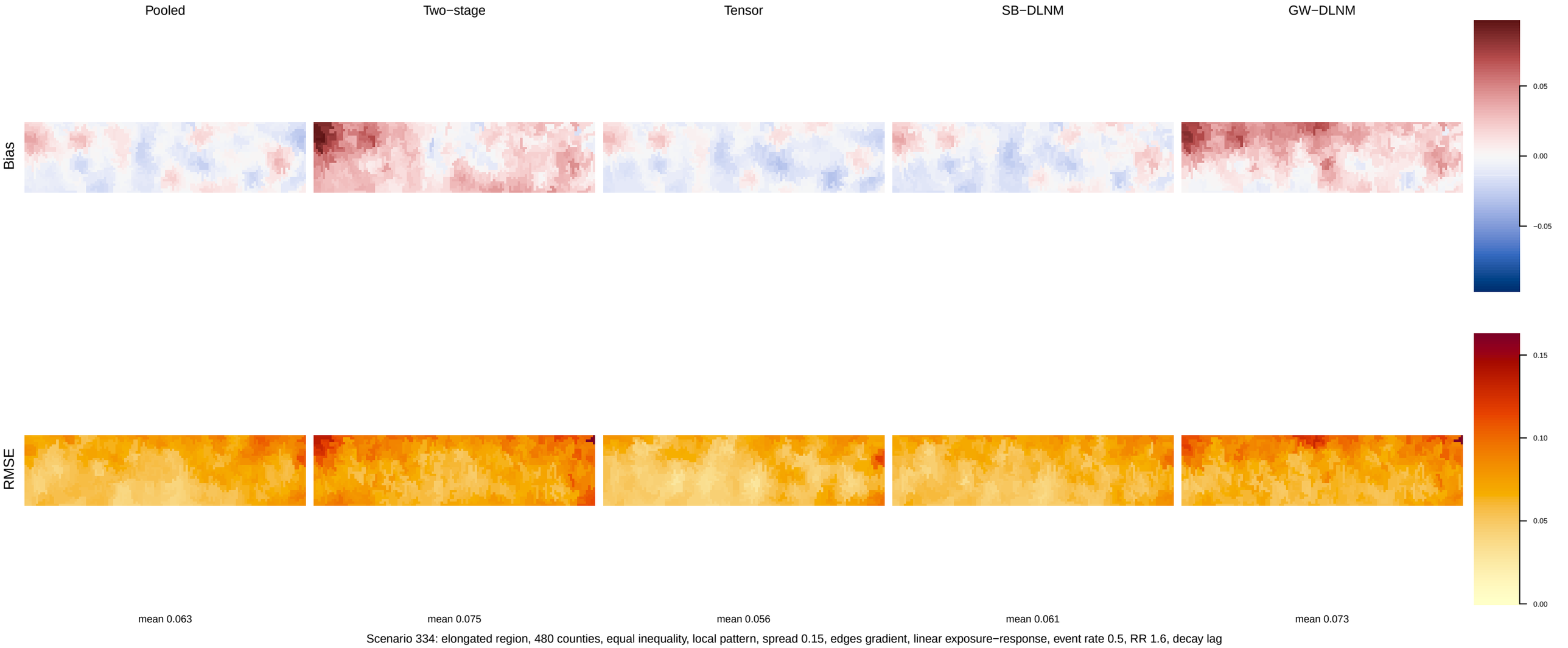
Scenario 142: elongated region, 480 counties, equal inequality, regional pattern, spread 0.00, NS gradient, J exposure−response, event rate 8, RR 1.6, decay lag



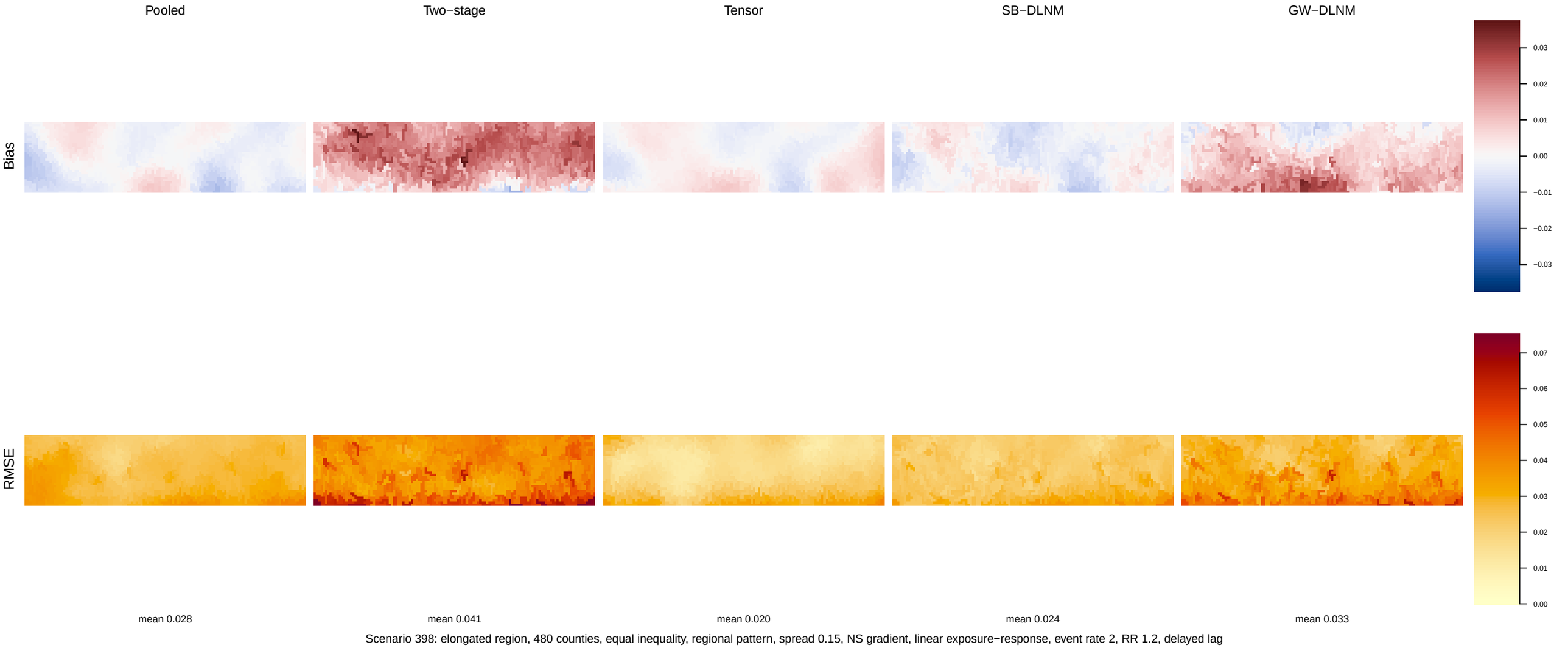
Scenario 206: elongated region, 480 counties, equal inequality, boundary pattern, spread 0.00, ridge gradient, J exposure−response, event rate 2, RR 1.0, short lag



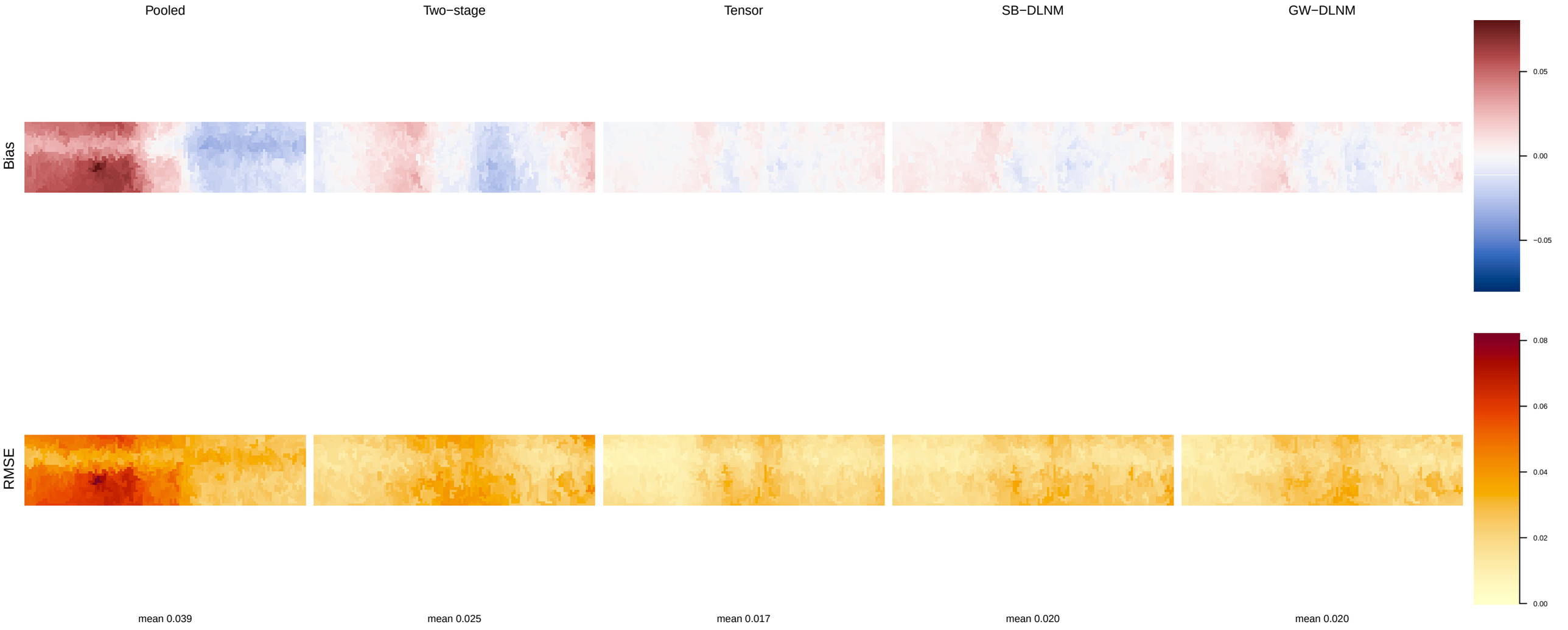
Scenario 14: elongated region, 480 counties, equal inequality, independent pattern, spread 0.00, valley gradient, J exposure−response, event rate 0.5, RR 1.4, harvest lag



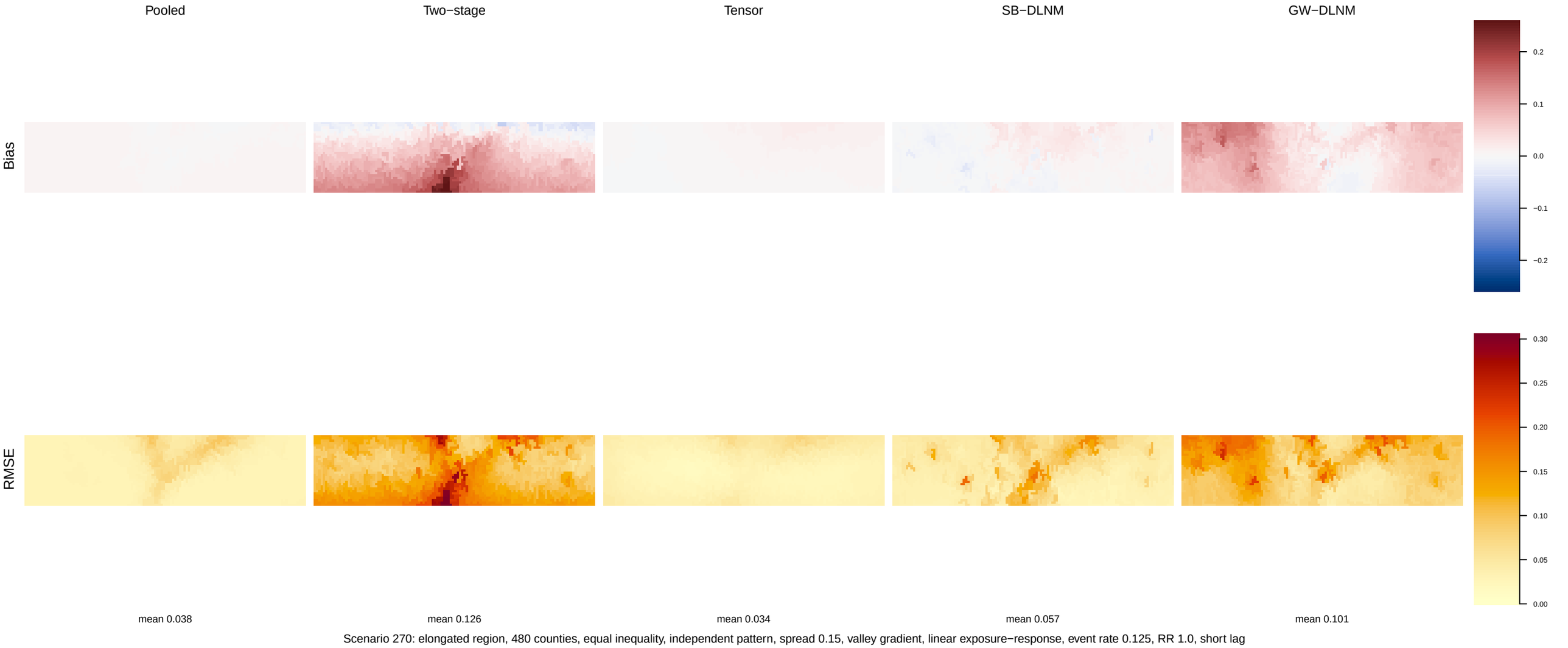
Scenario 334: elongated region, 480 counties, equal inequality, local pattern, spread 0.15, edges gradient, linear exposure−response, event rate 0.5, RR 1.6, decay lag



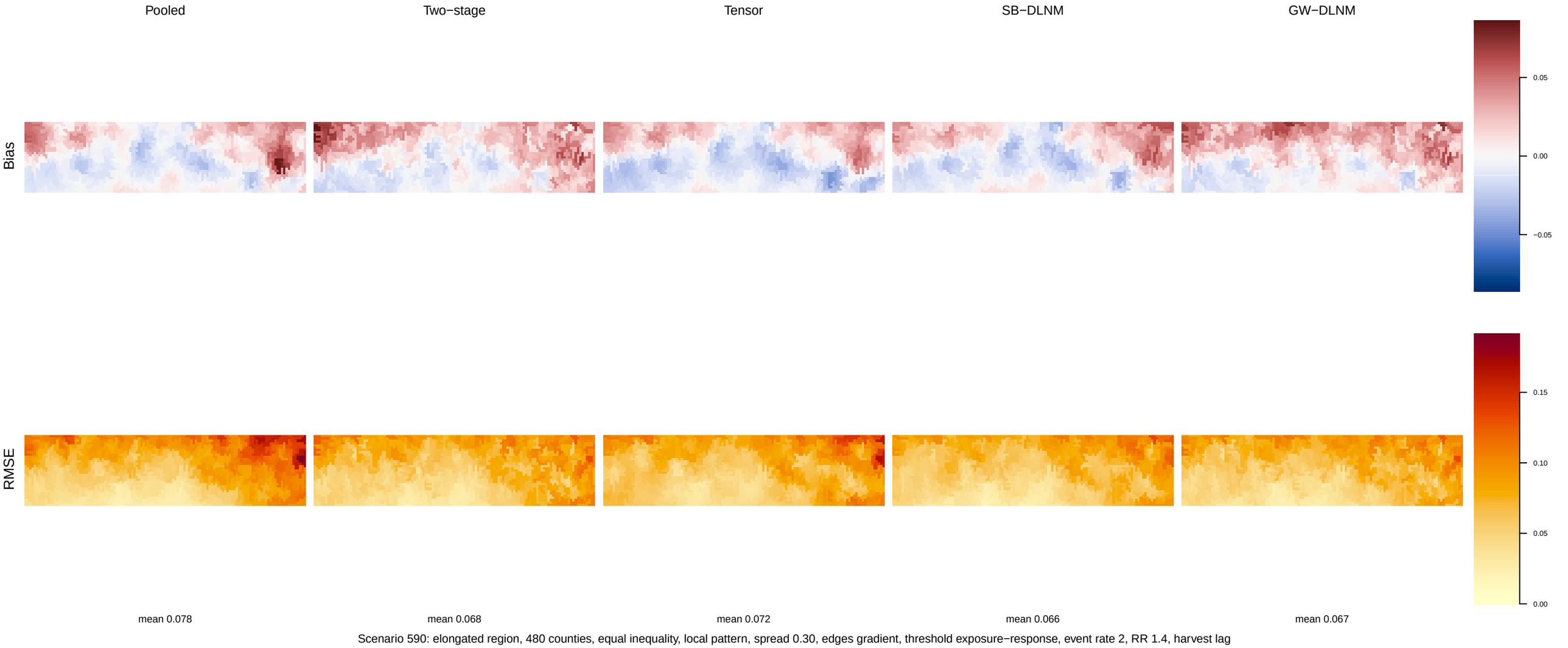
Scenario 398: elongated region, 480 counties, equal inequality, regional pattern, spread 0.15, NS gradient, linear exposure−response, event rate 2, RR 1.2, delayed lag



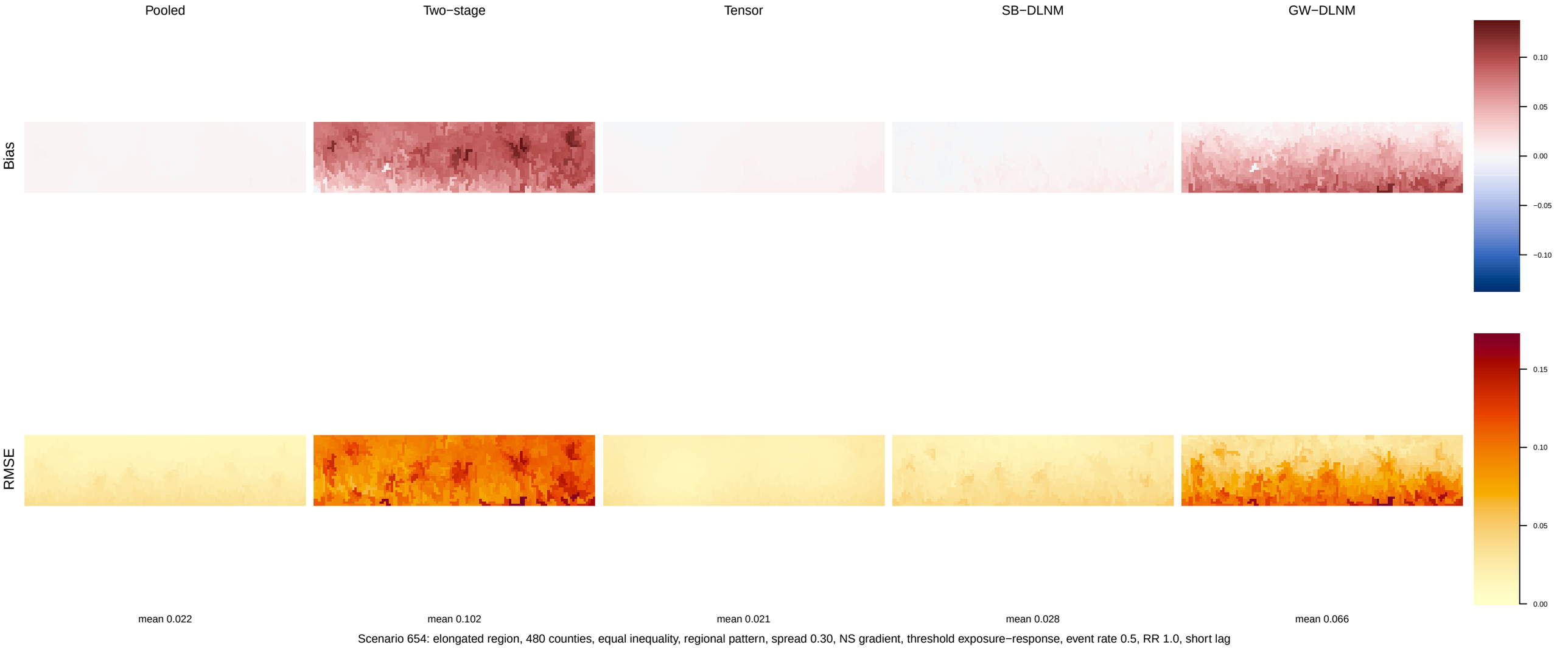
Scenario 462: elongated region, 480 counties, equal inequality, boundary pattern, spread 0.15, ridge gradient, linear exposure−response, event rate 8, RR 1.4, harvest lag



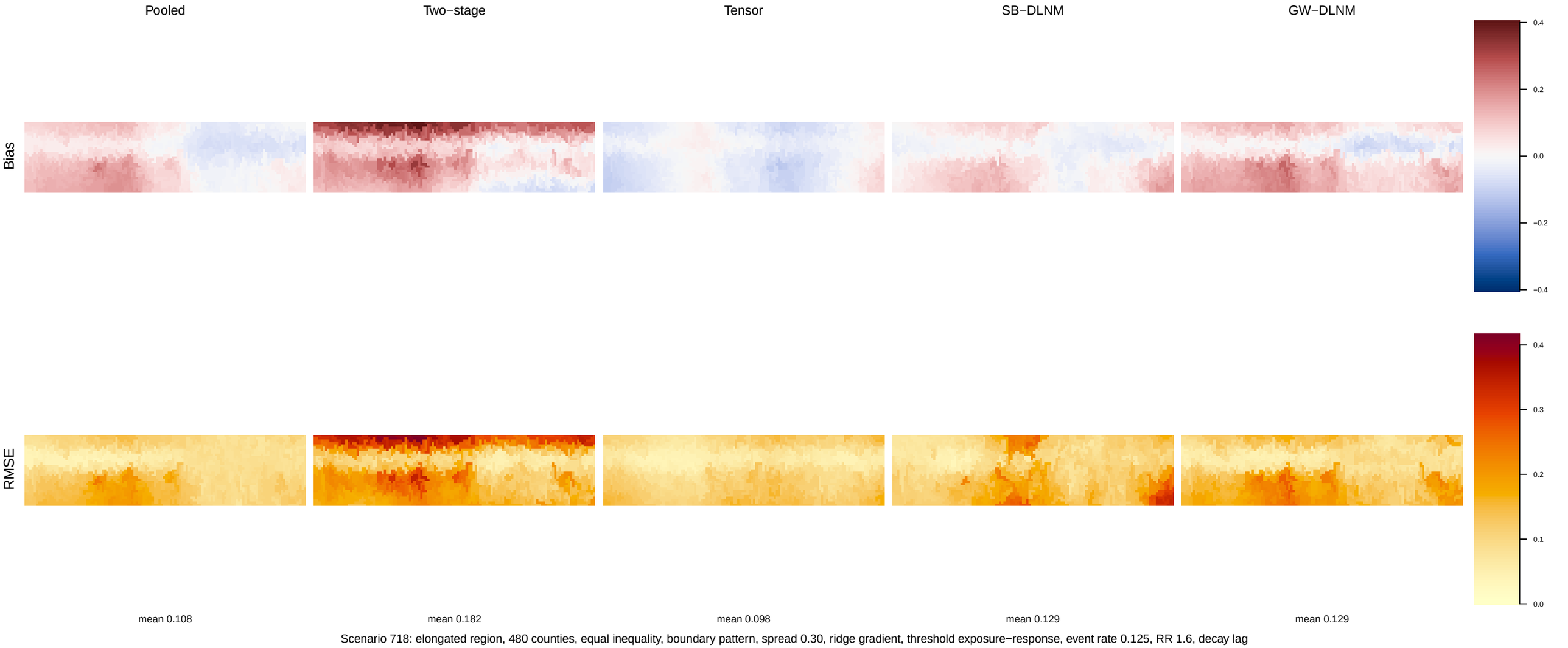
Scenario 270: elongated region, 480 counties, equal inequality, independent pattern, spread 0.15, valley gradient, linear exposure−response, event rate 0.125, RR 1.0, short lag



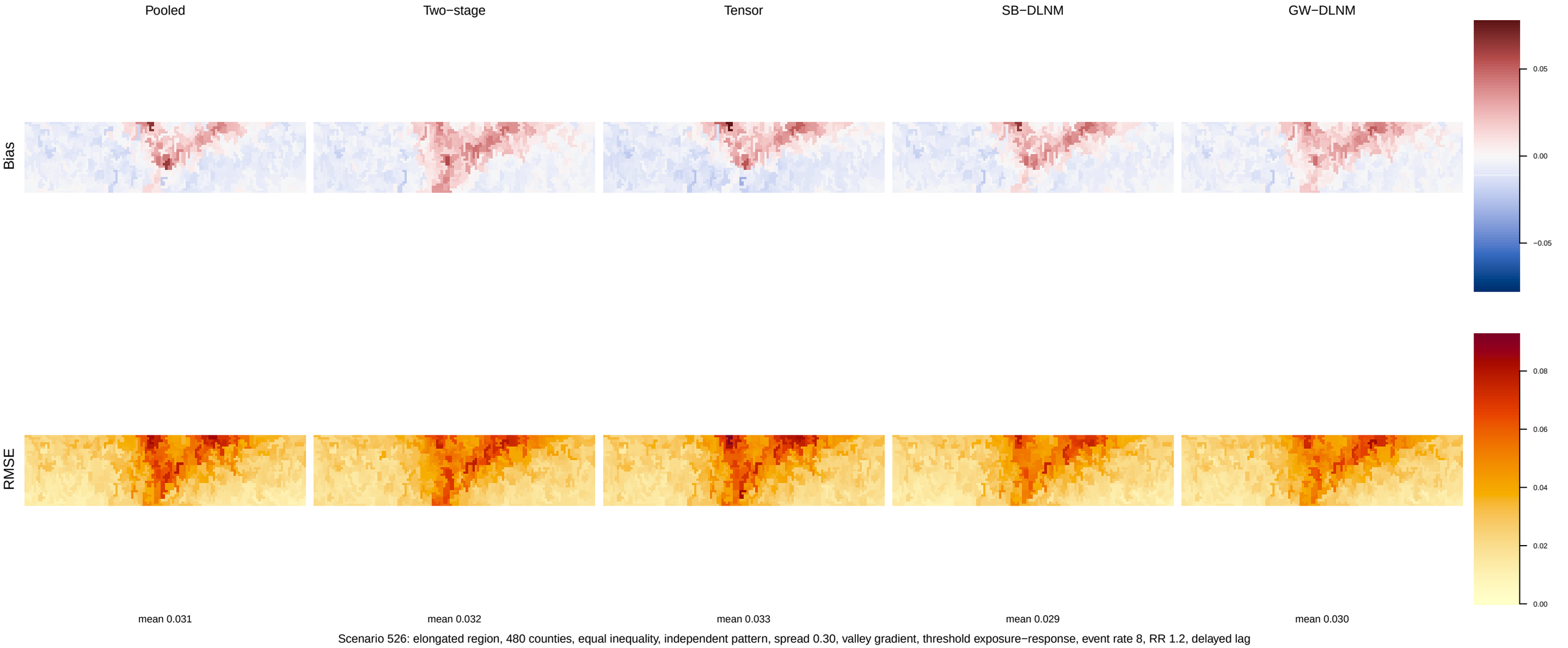
Scenario 590: elongated region, 480 counties, equal inequality, local pattern, spread 0.30, edges gradient, threshold exposure−response, event rate 2, RR 1.4, harvest lag



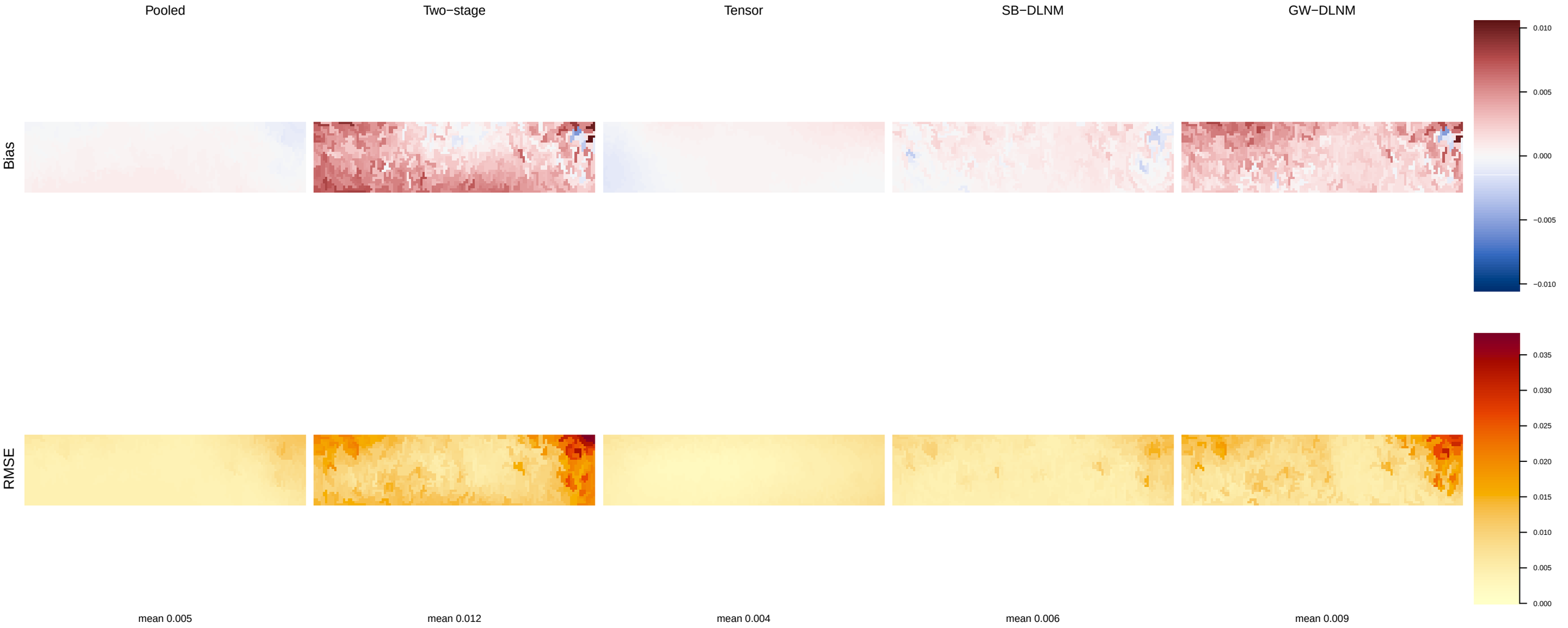
Scenario 654: elongated region, 480 counties, equal inequality, regional pattern, spread 0.30, NS gradient, threshold exposure−response, event rate 0.5, RR 1.0, short lag



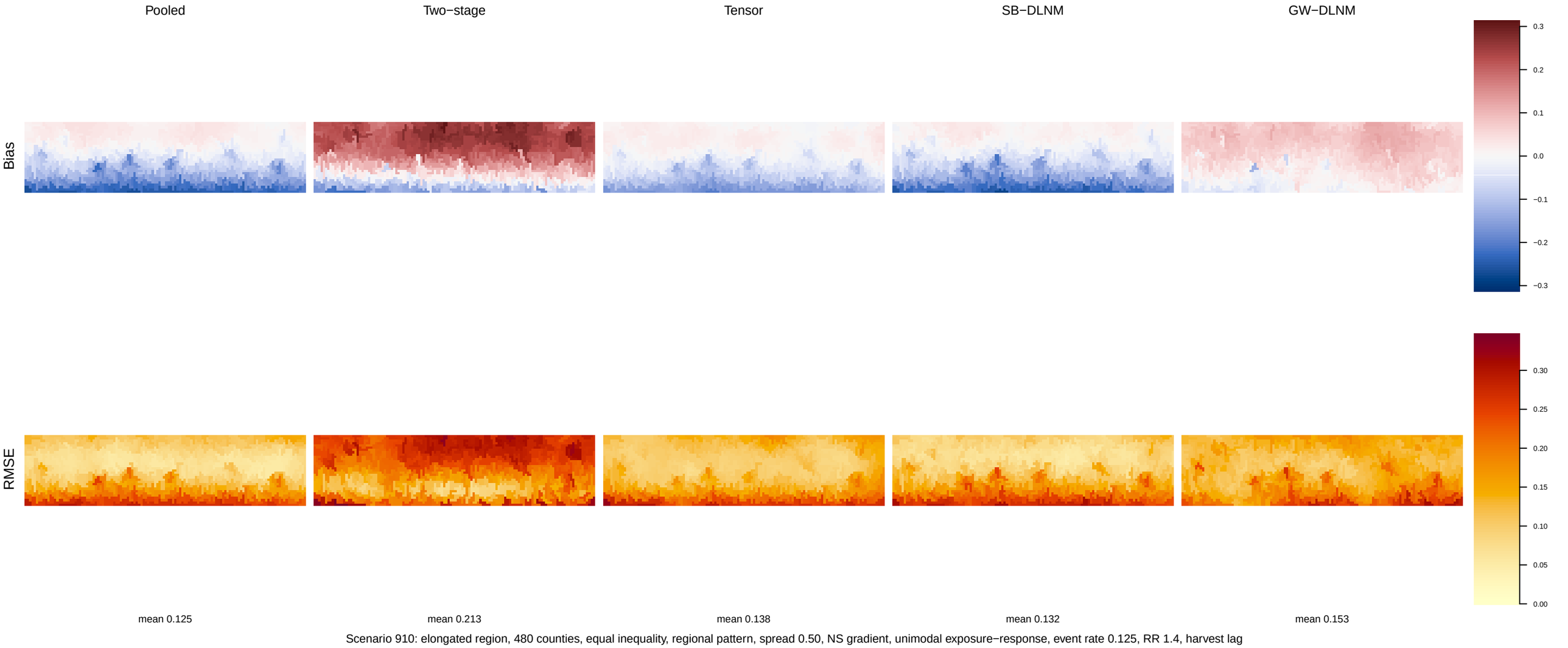
Scenario 718: elongated region, 480 counties, equal inequality, boundary pattern, spread 0.30, ridge gradient, threshold exposure−response, event rate 0.125, RR 1.6, decay lag



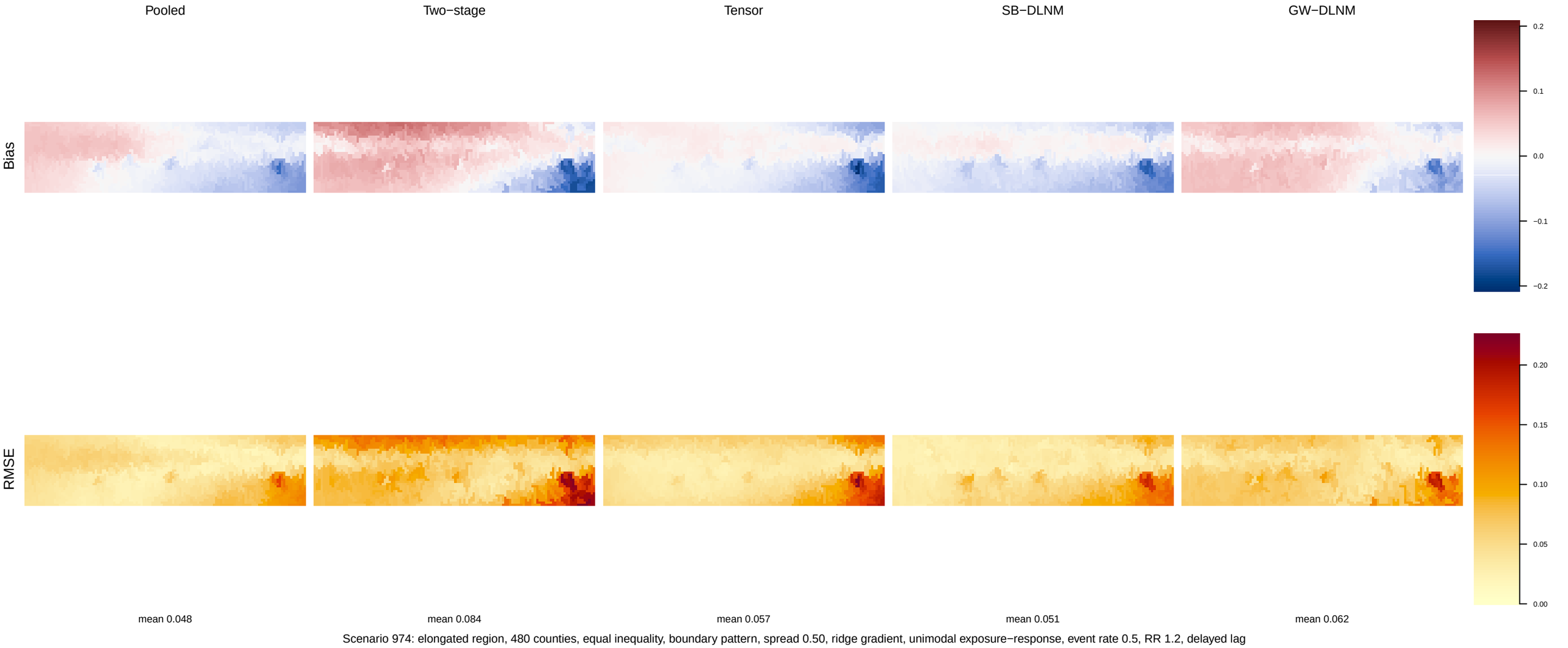
Scenario 526: elongated region, 480 counties, equal inequality, independent pattern, spread 0.30, valley gradient, threshold exposure−response, event rate 8, RR 1.2, delayed lag



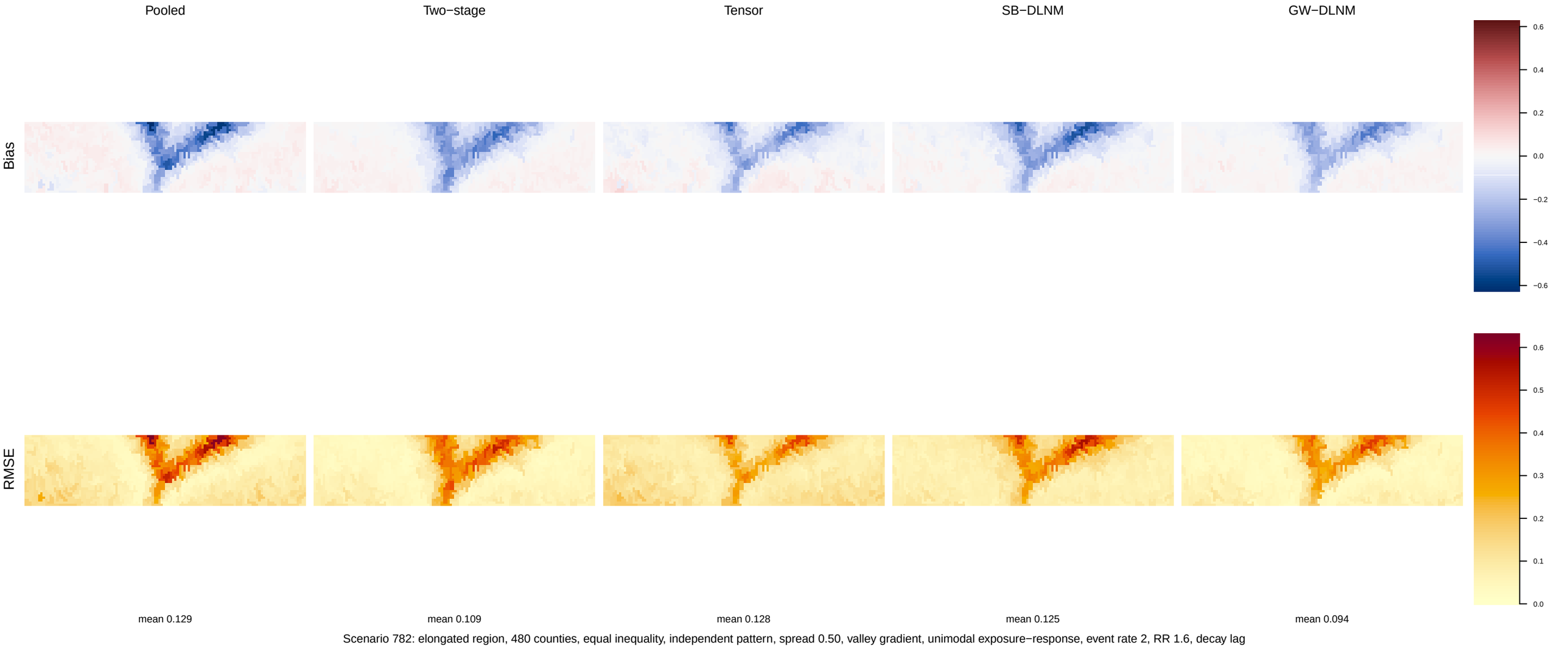
Scenario 846: elongated region, 480 counties, equal inequality, local pattern, spread 0.50, edges gradient, unimodal exposure−response, event rate 8, RR 1.0, short lag



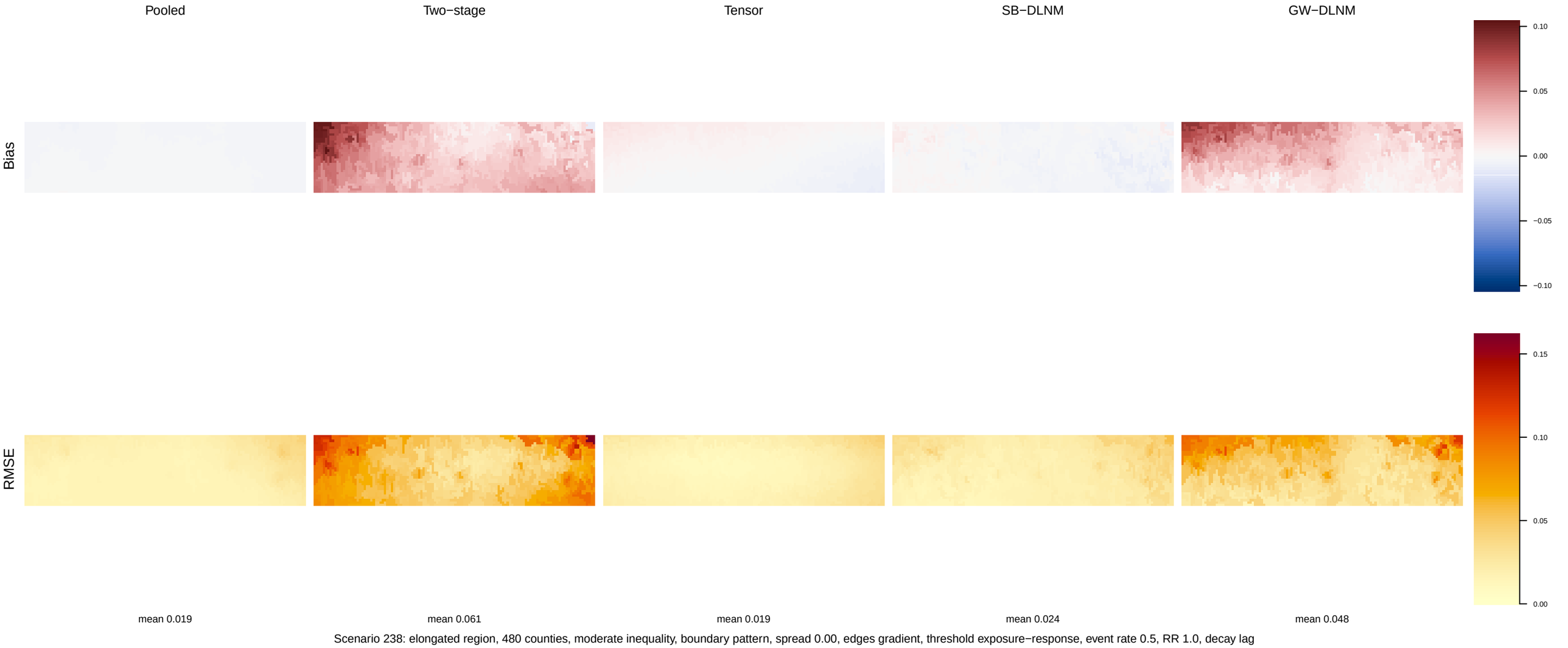
Scenario 910: elongated region, 480 counties, equal inequality, regional pattern, spread 0.50, NS gradient, unimodal exposure−response, event rate 0.125, RR 1.4, harvest lag



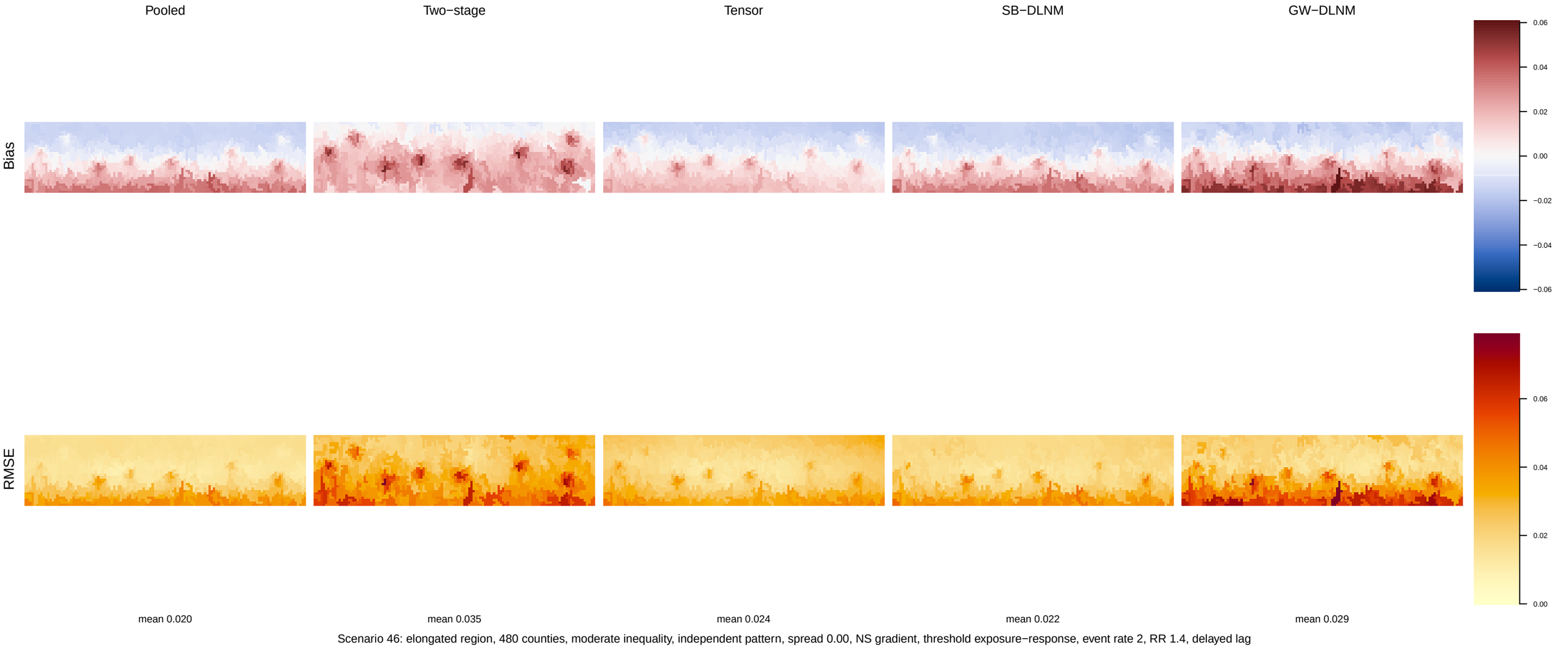
Scenario 974: elongated region, 480 counties, equal inequality, boundary pattern, spread 0.50, ridge gradient, unimodal exposure−response, event rate 0.5, RR 1.2, delayed lag



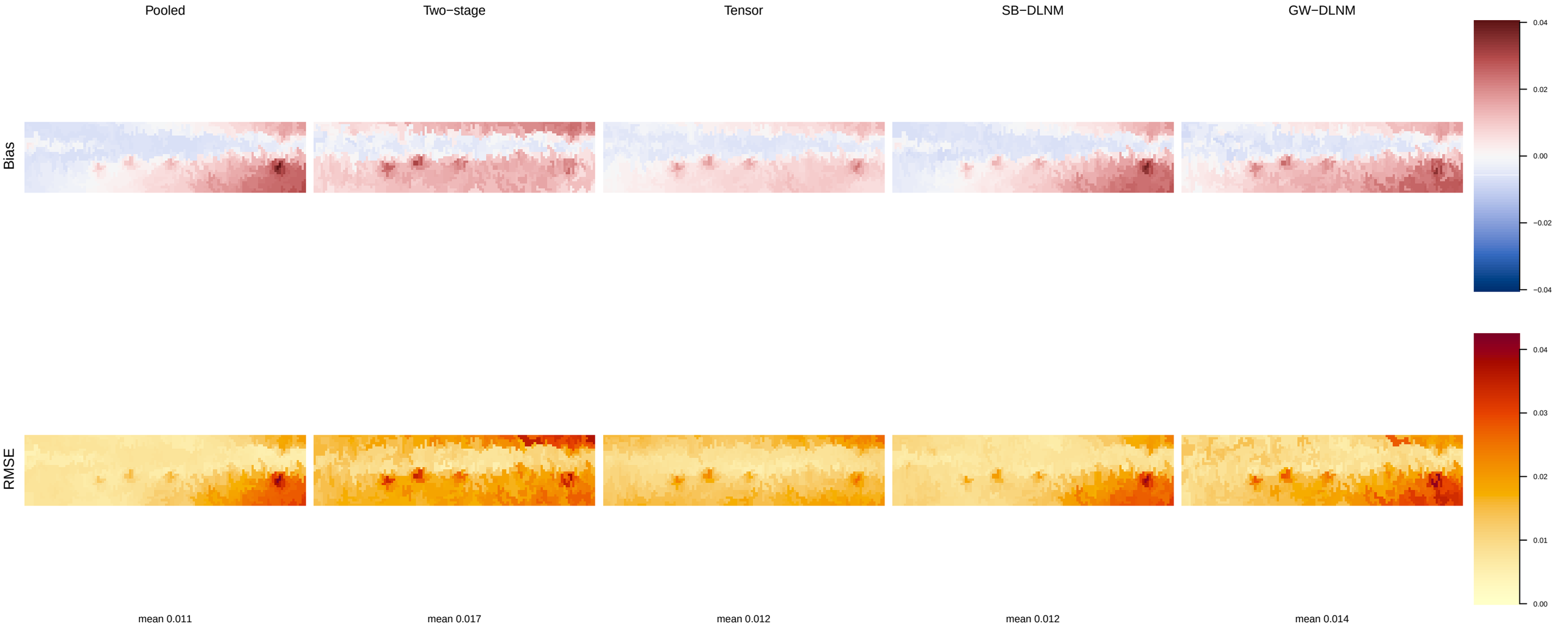
Scenario 782: elongated region, 480 counties, equal inequality, independent pattern, spread 0.50, valley gradient, unimodal exposure−response, event rate 2, RR 1.6, decay lag



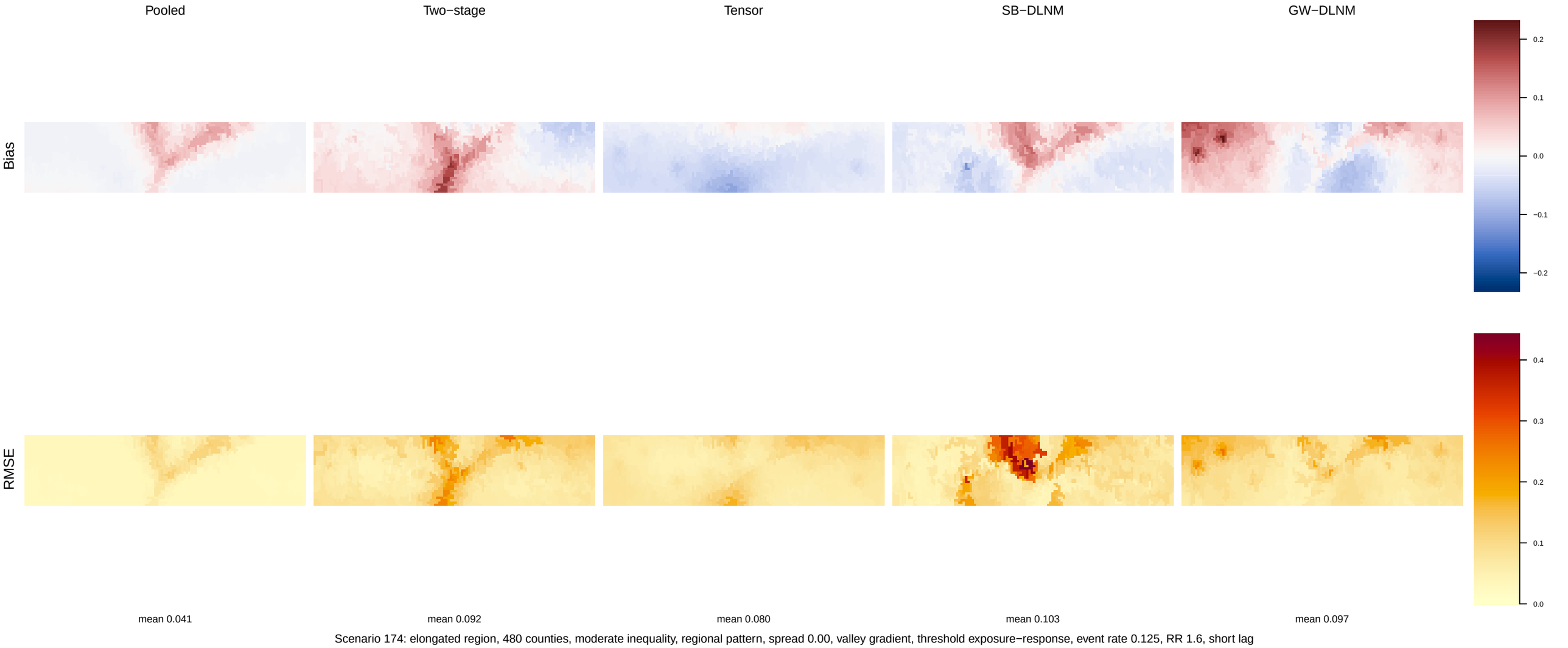
Scenario 238: elongated region, 480 counties, moderate inequality, boundary pattern, spread 0.00, edges gradient, threshold exposure−response, event rate 0.5, RR 1.0, decay lag



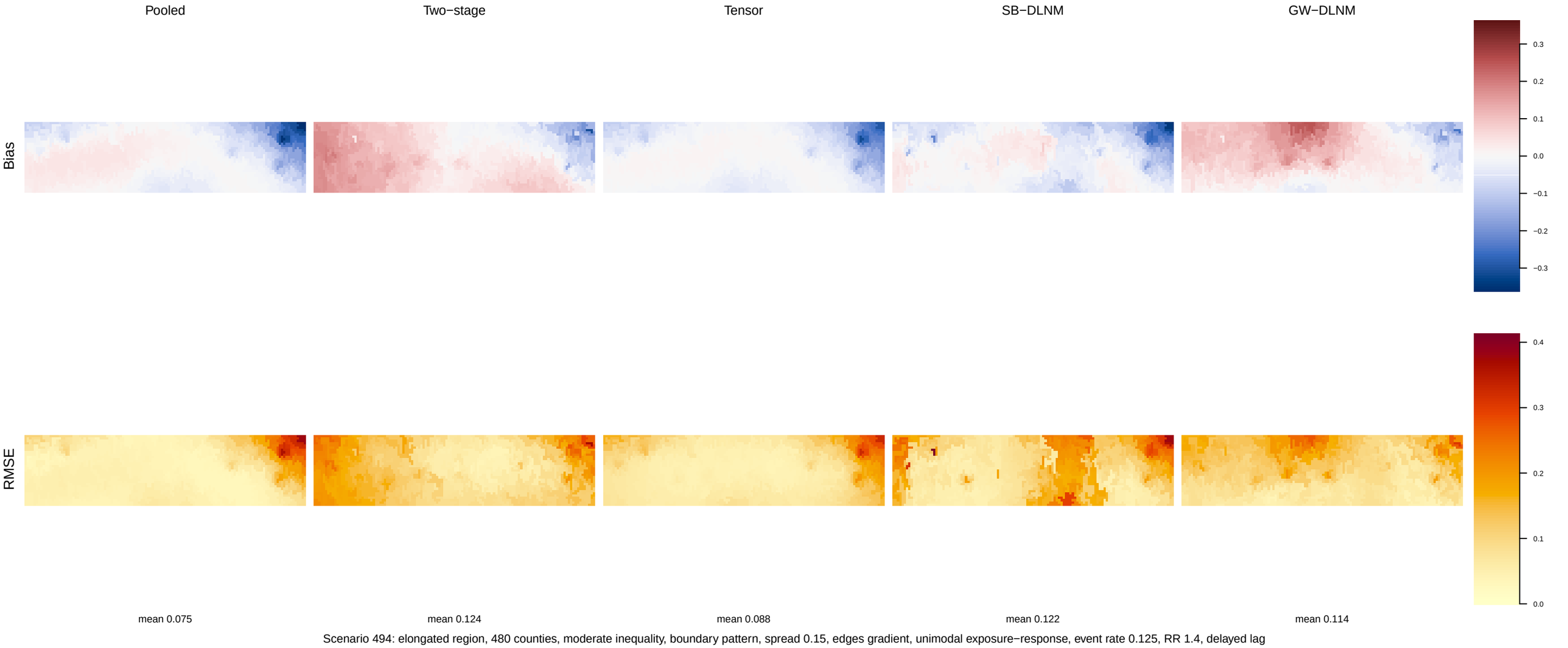
Scenario 46: elongated region, 480 counties, moderate inequality, independent pattern, spread 0.00, NS gradient, threshold exposure−response, event rate 2, RR 1.4, delayed lag



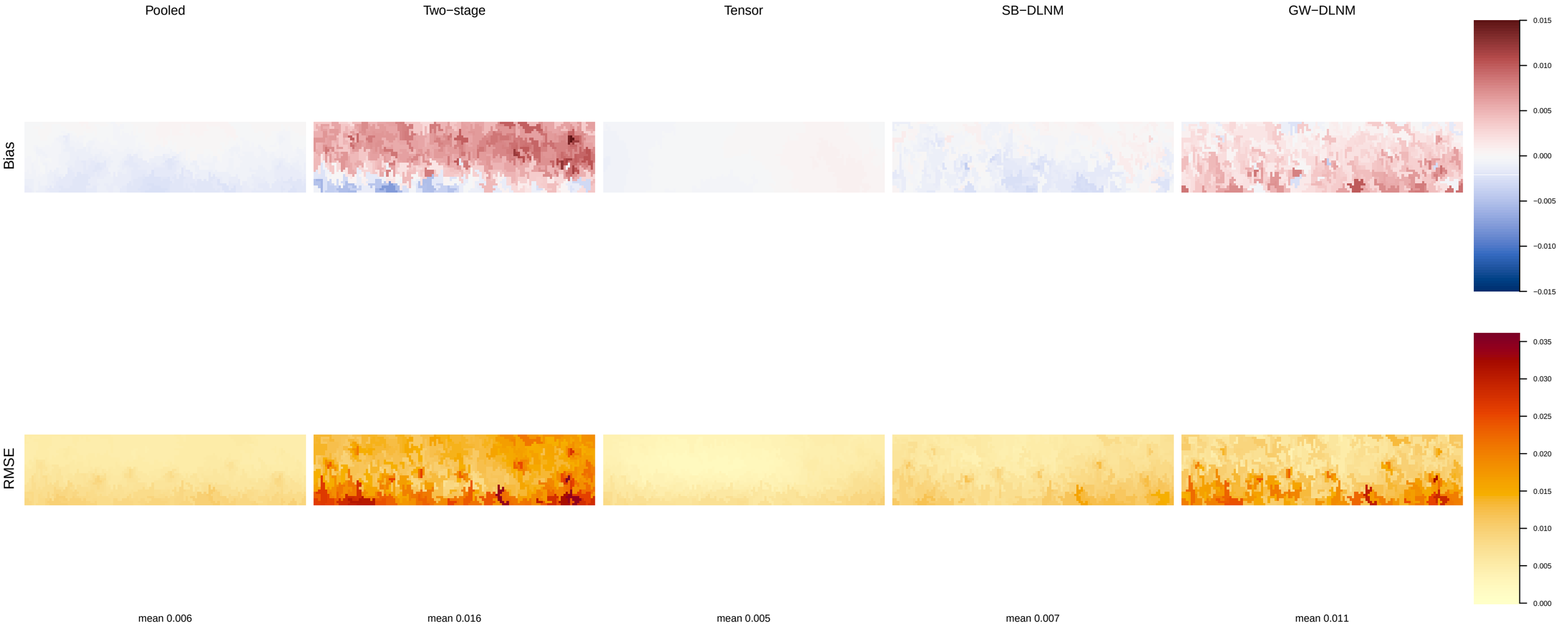
Scenario 110: elongated region, 480 counties, moderate inequality, local pattern, spread 0.00, ridge gradient, threshold exposure−response, event rate 8, RR 1.2, harvest lag



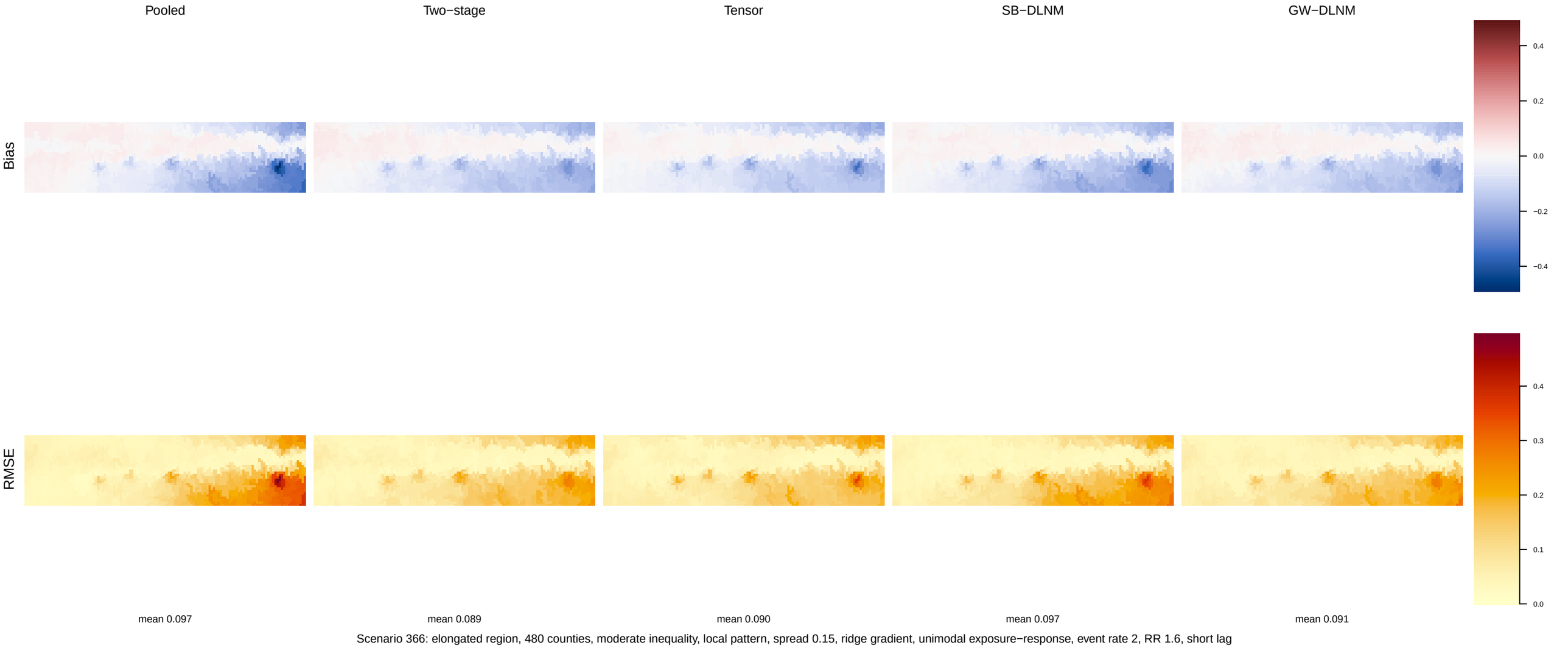
Scenario 174: elongated region, 480 counties, moderate inequality, regional pattern, spread 0.00, valley gradient, threshold exposure−response, event rate 0.125, RR 1.6, short lag



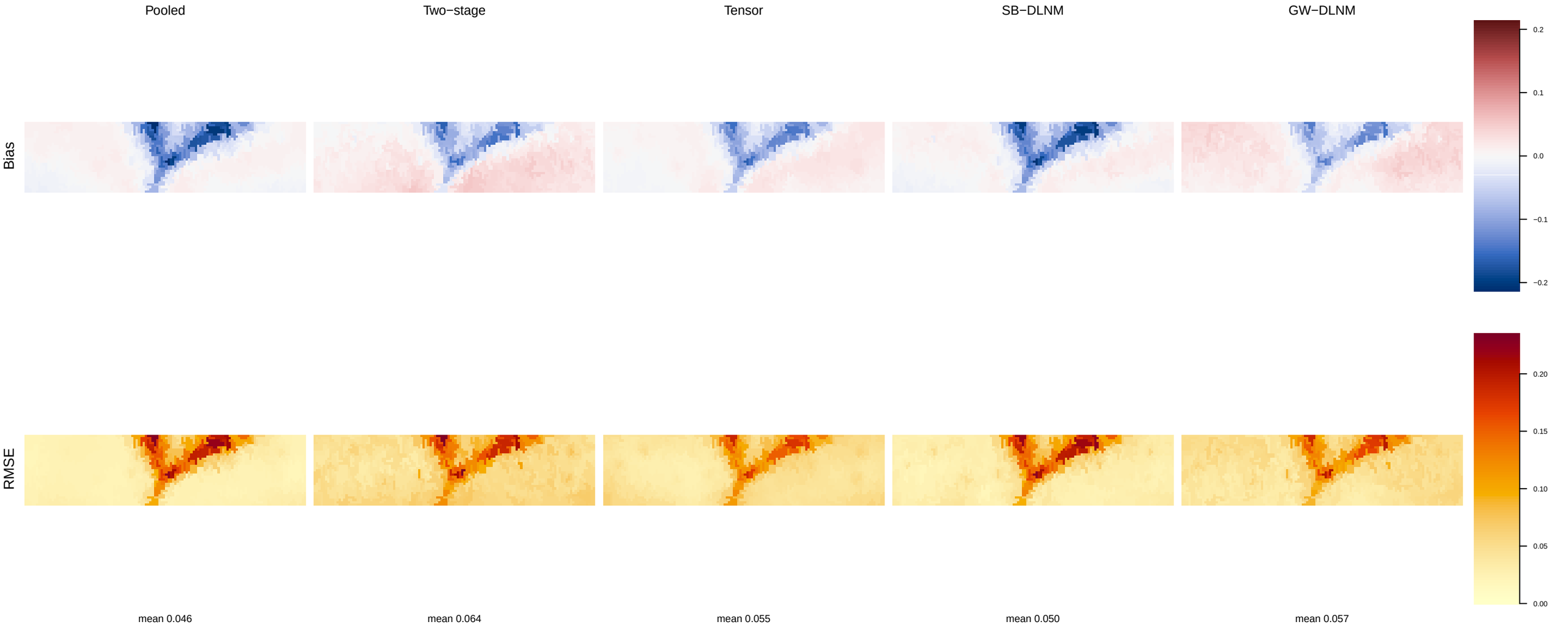
Scenario 494: elongated region, 480 counties, moderate inequality, boundary pattern, spread 0.15, edges gradient, unimodal exposure−response, event rate 0.125, RR 1.4, delayed lag



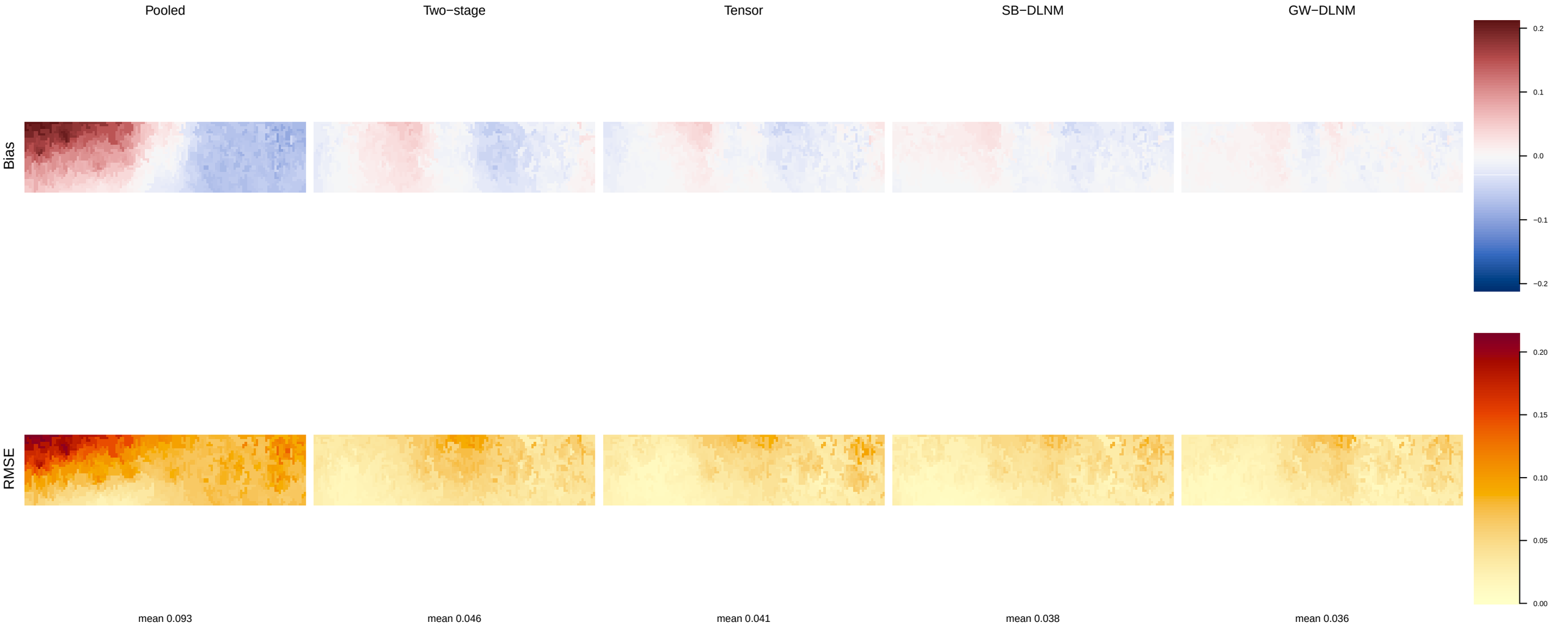
Scenario 302: elongated region, 480 counties, moderate inequality, independent pattern, spread 0.15, NS gradient, unimodal exposure−response, event rate 8, RR 1.0, decay lag



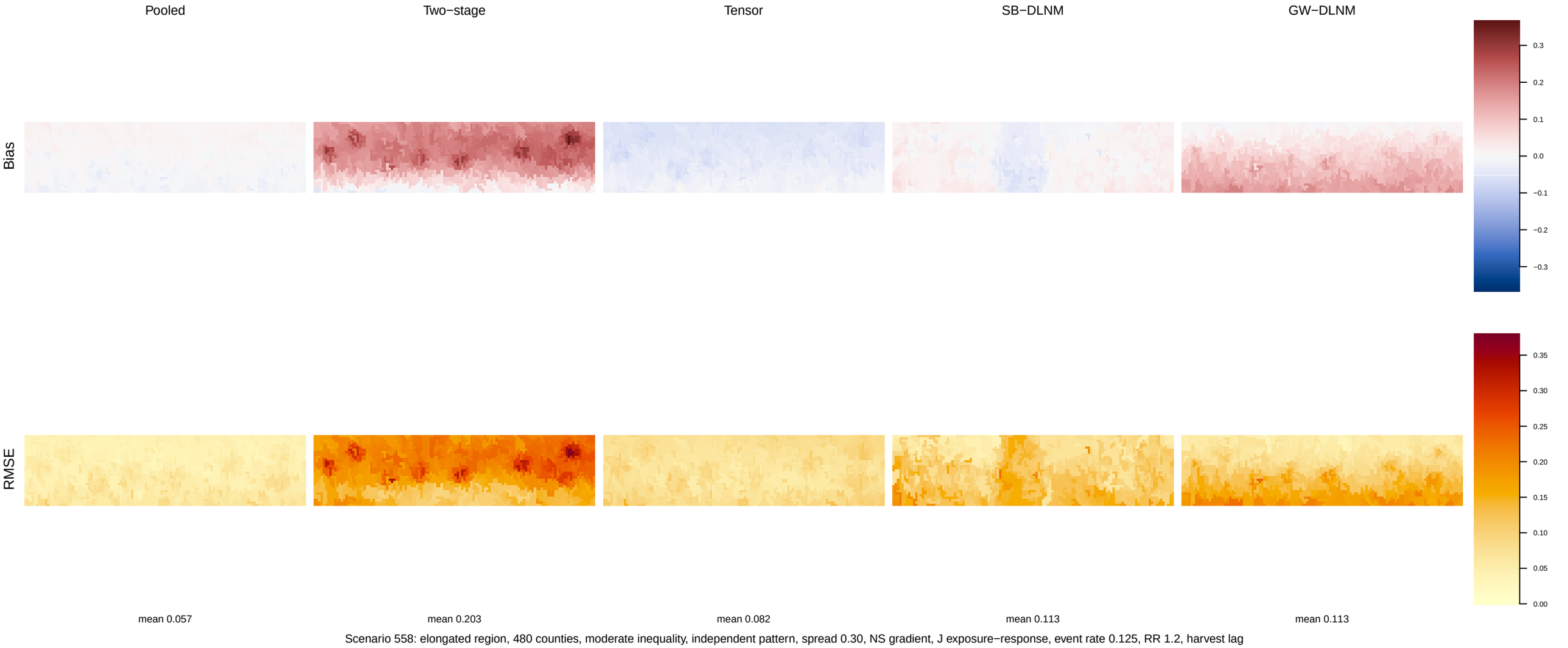
Scenario 366: elongated region, 480 counties, moderate inequality, local pattern, spread 0.15, ridge gradient, unimodal exposure−response, event rate 2, RR 1.6, short lag



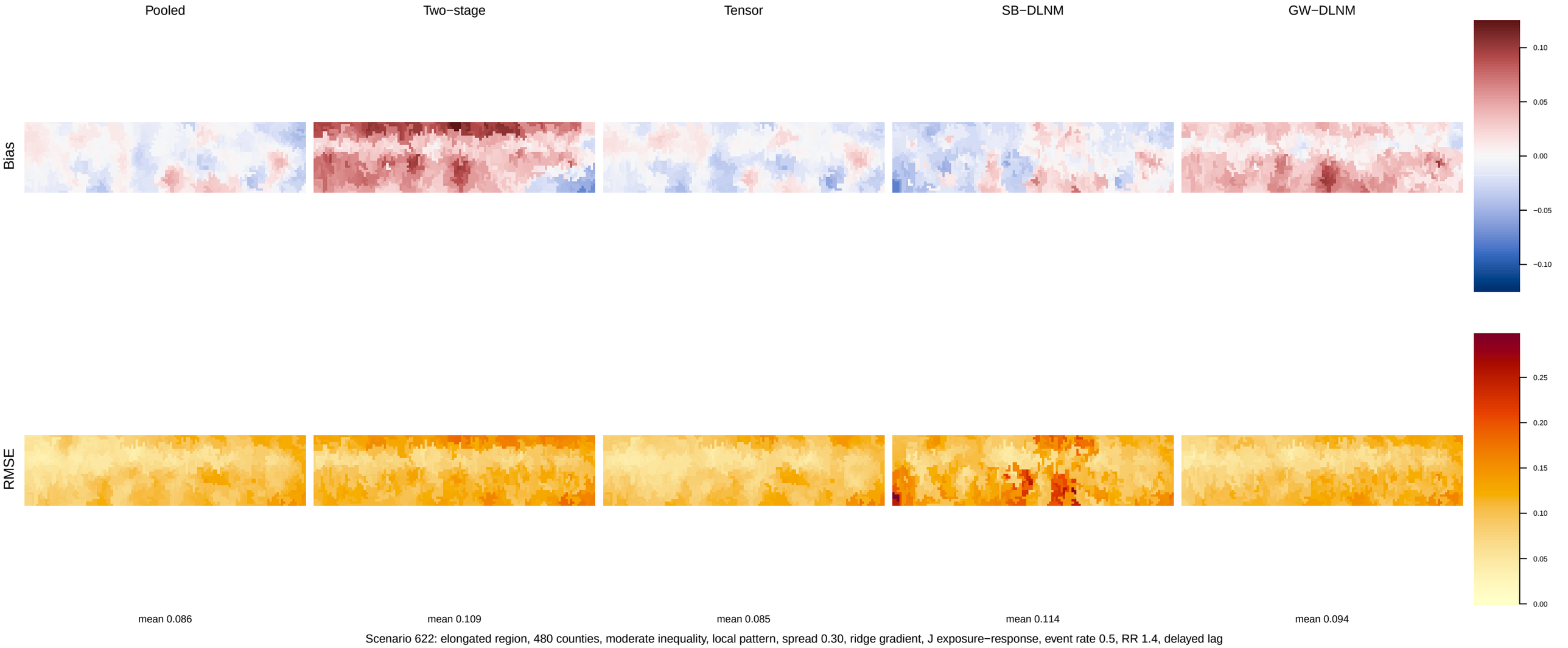
Scenario 430: elongated region, 480 counties, moderate inequality, regional pattern, spread 0.15, valley gradient, unimodal exposure−response, event rate 0.5, RR 1.2, harvest lag



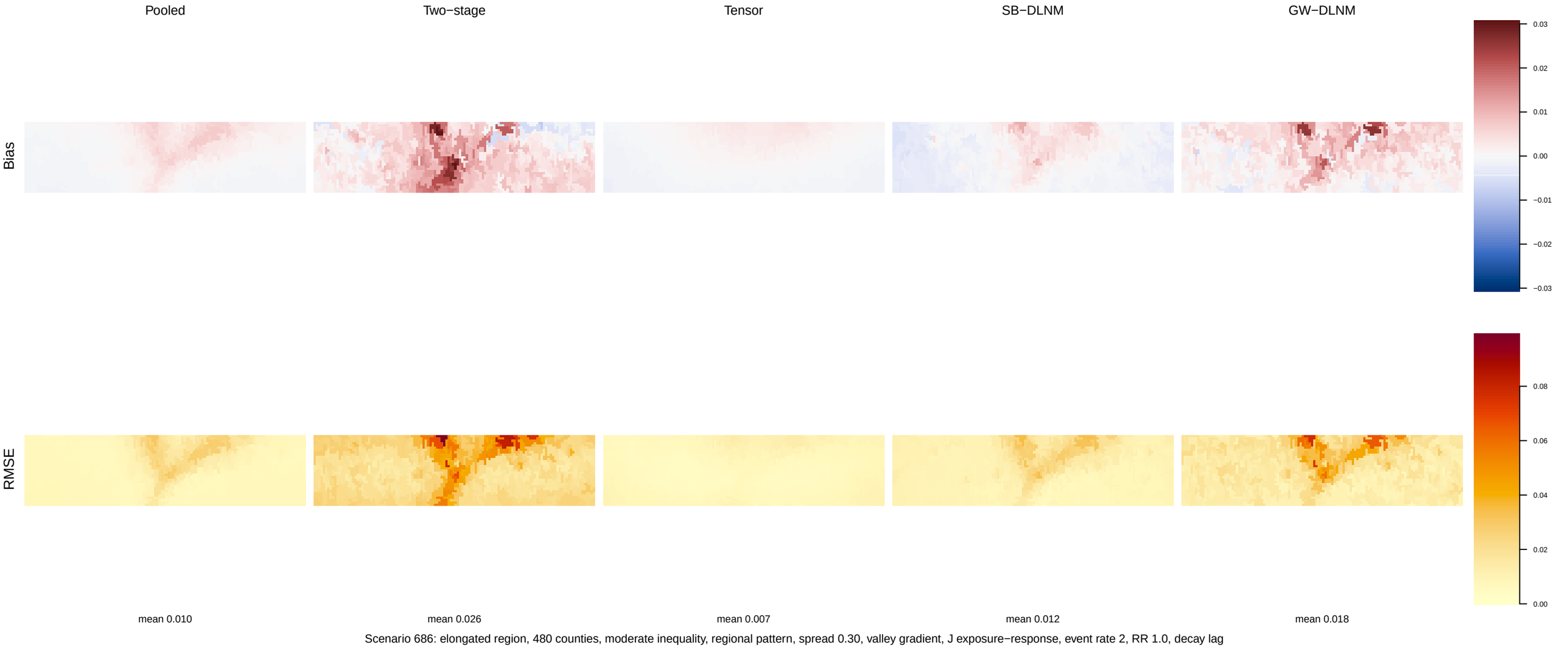
Scenario 750: elongated region, 480 counties, moderate inequality, boundary pattern, spread 0.30, edges gradient, J exposure−response, event rate 8, RR 1.6, short lag



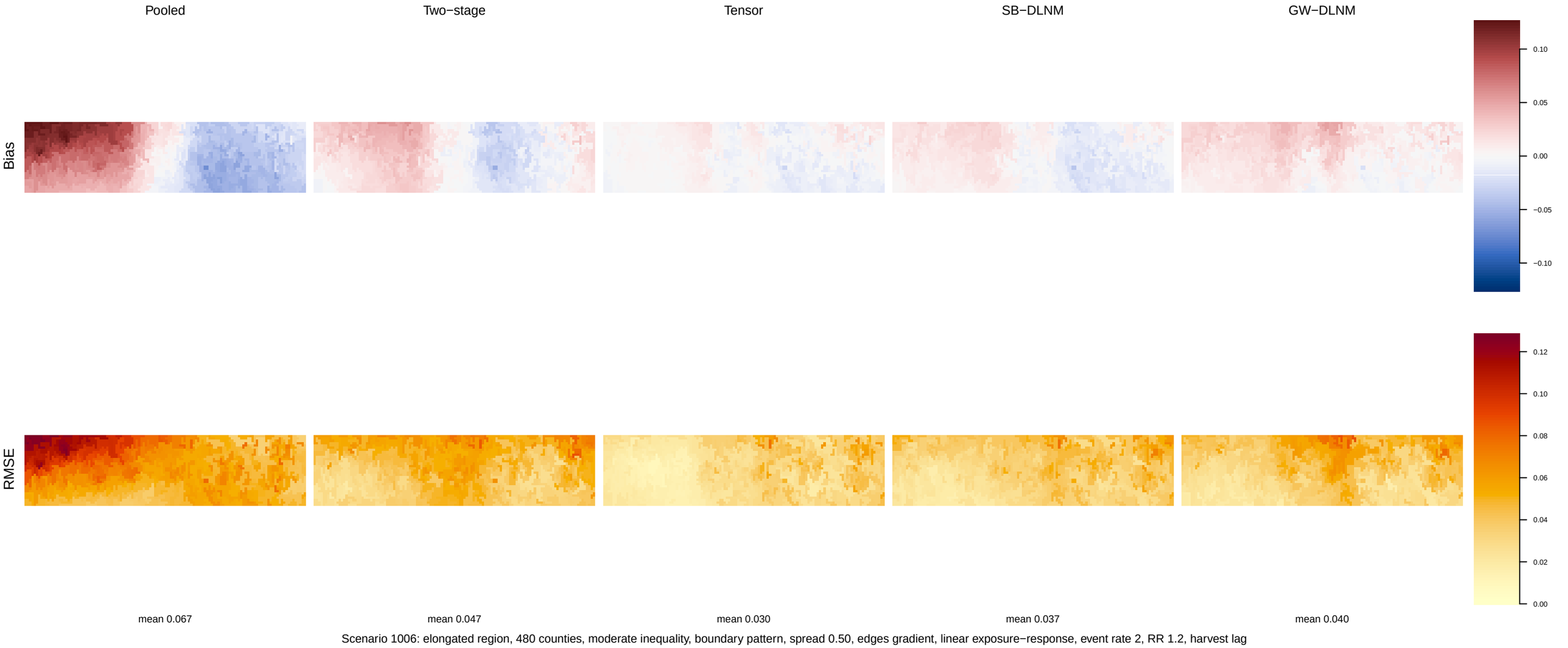
Scenario 558: elongated region, 480 counties, moderate inequality, independent pattern, spread 0.30, NS gradient, J exposure−response, event rate 0.125, RR 1.2, harvest lag



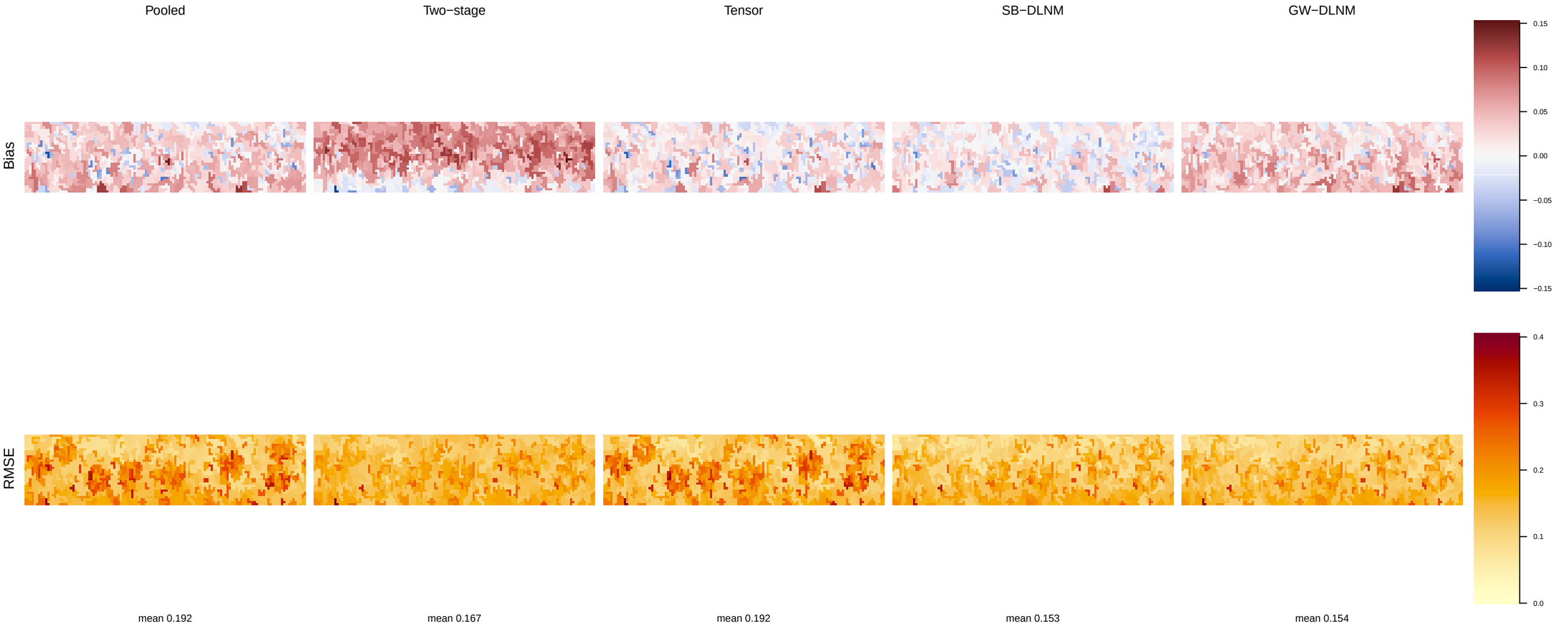
Scenario 622: elongated region, 480 counties, moderate inequality, local pattern, spread 0.30, ridge gradient, J exposure−response, event rate 0.5, RR 1.4, delayed lag



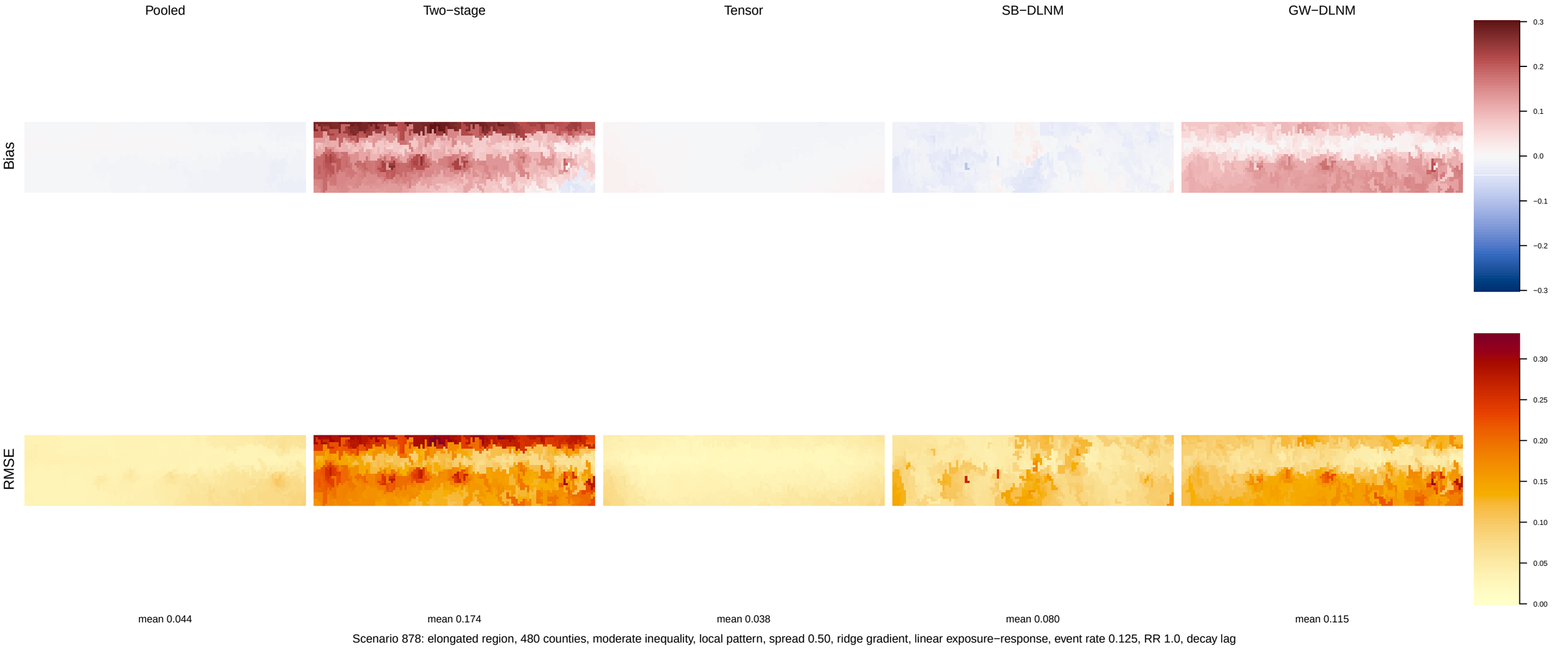
Scenario 686: elongated region, 480 counties, moderate inequality, regional pattern, spread 0.30, valley gradient, J exposure−response, event rate 2, RR 1.0, decay lag



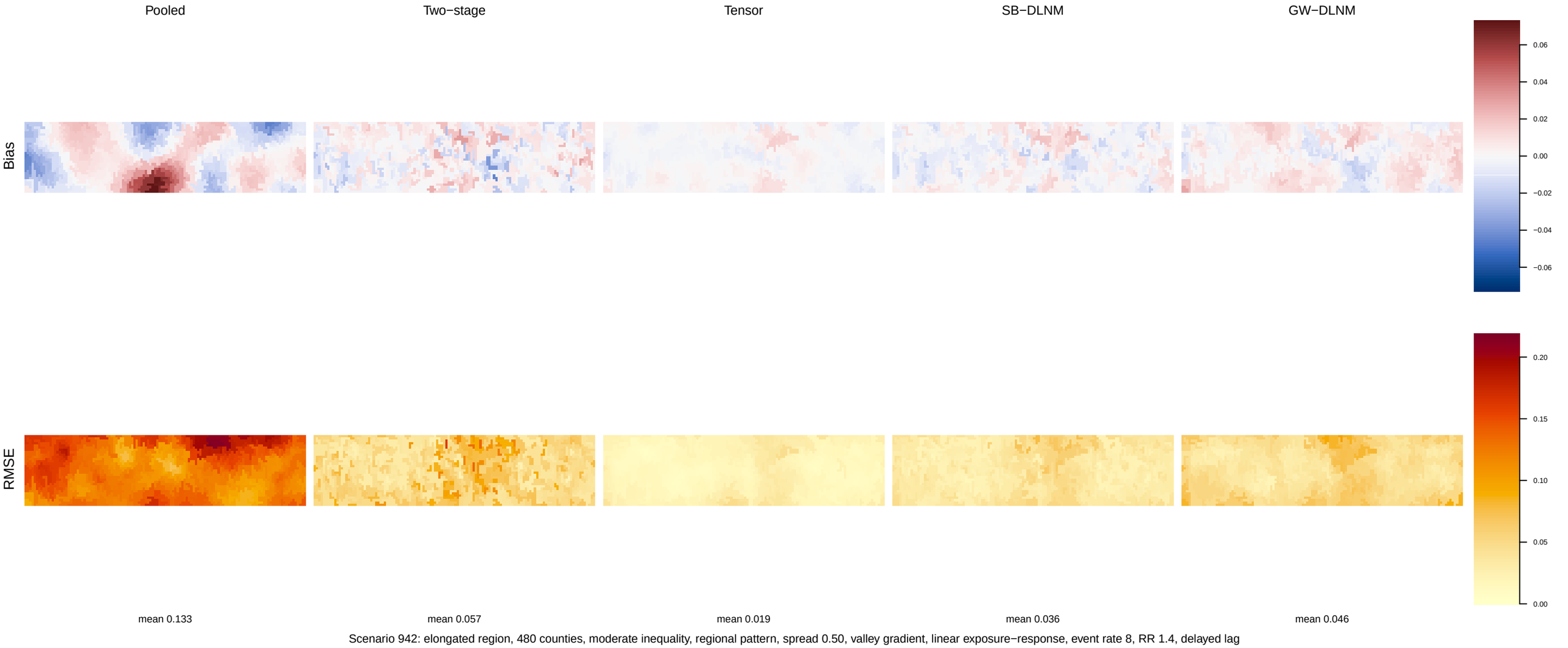
Scenario 1006: elongated region, 480 counties, moderate inequality, boundary pattern, spread 0.50, edges gradient, linear exposure−response, event rate 2, RR 1.2, harvest lag



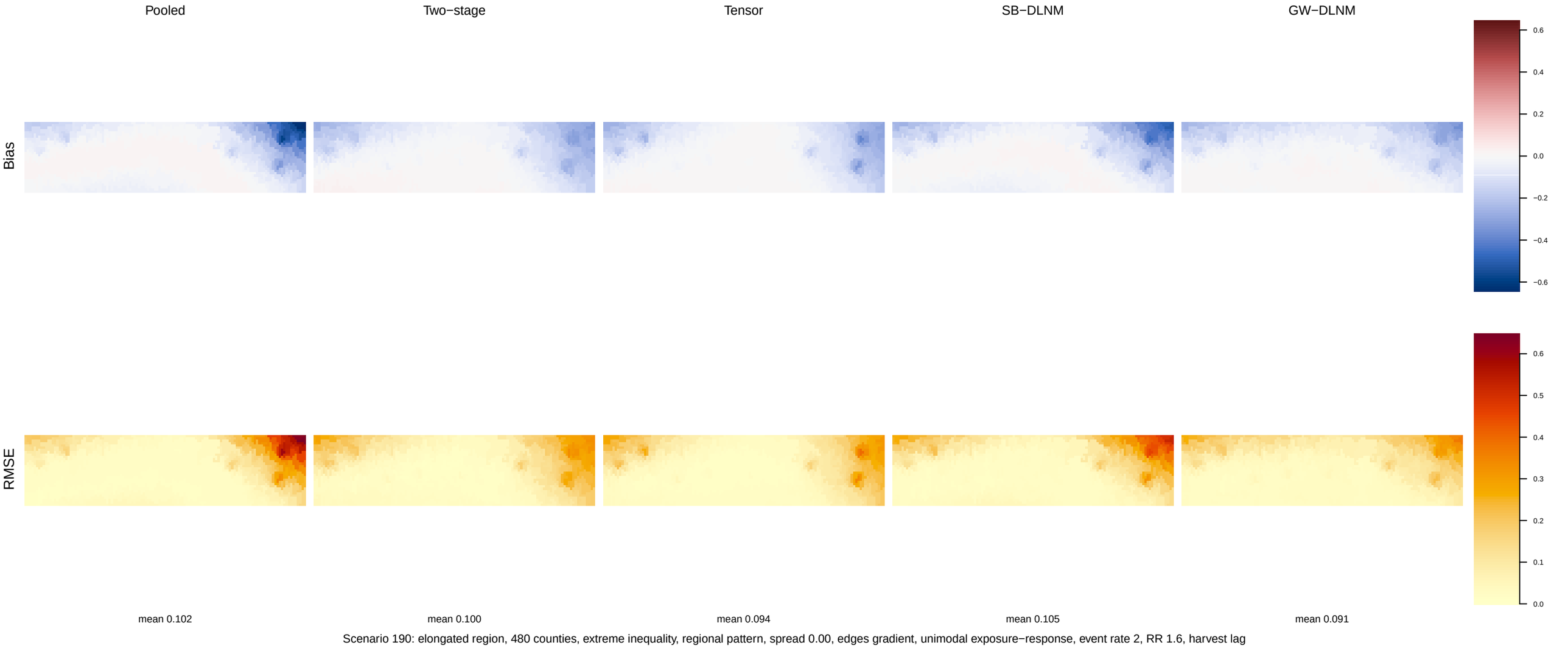
Scenario 814: elongated region, 480 counties, moderate inequality, independent pattern, spread 0.50, NS gradient, linear exposure−response, event rate 0.5, RR 1.6, short lag



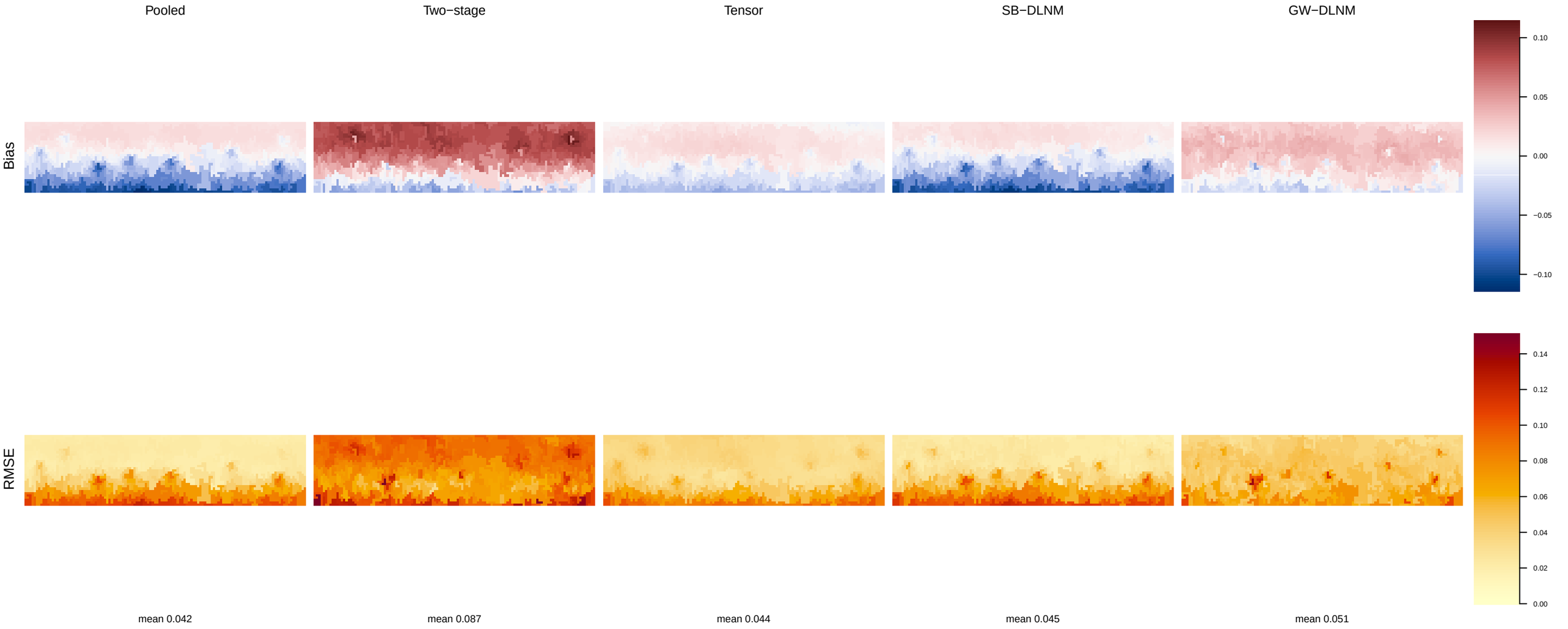
Scenario 878: elongated region, 480 counties, moderate inequality, local pattern, spread 0.50, ridge gradient, linear exposure−response, event rate 0.125, RR 1.0, decay lag



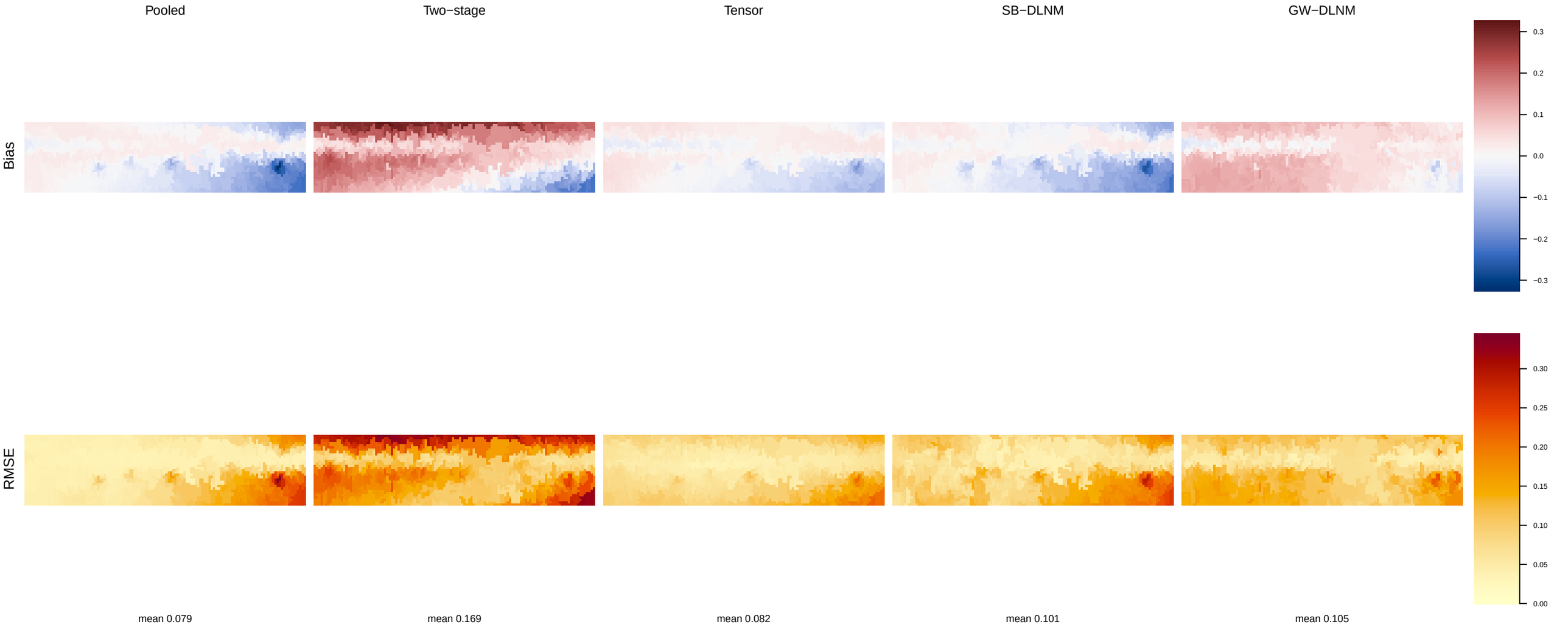
Scenario 942: elongated region, 480 counties, moderate inequality, regional pattern, spread 0.50, valley gradient, linear exposure−response, event rate 8, RR 1.4, delayed lag



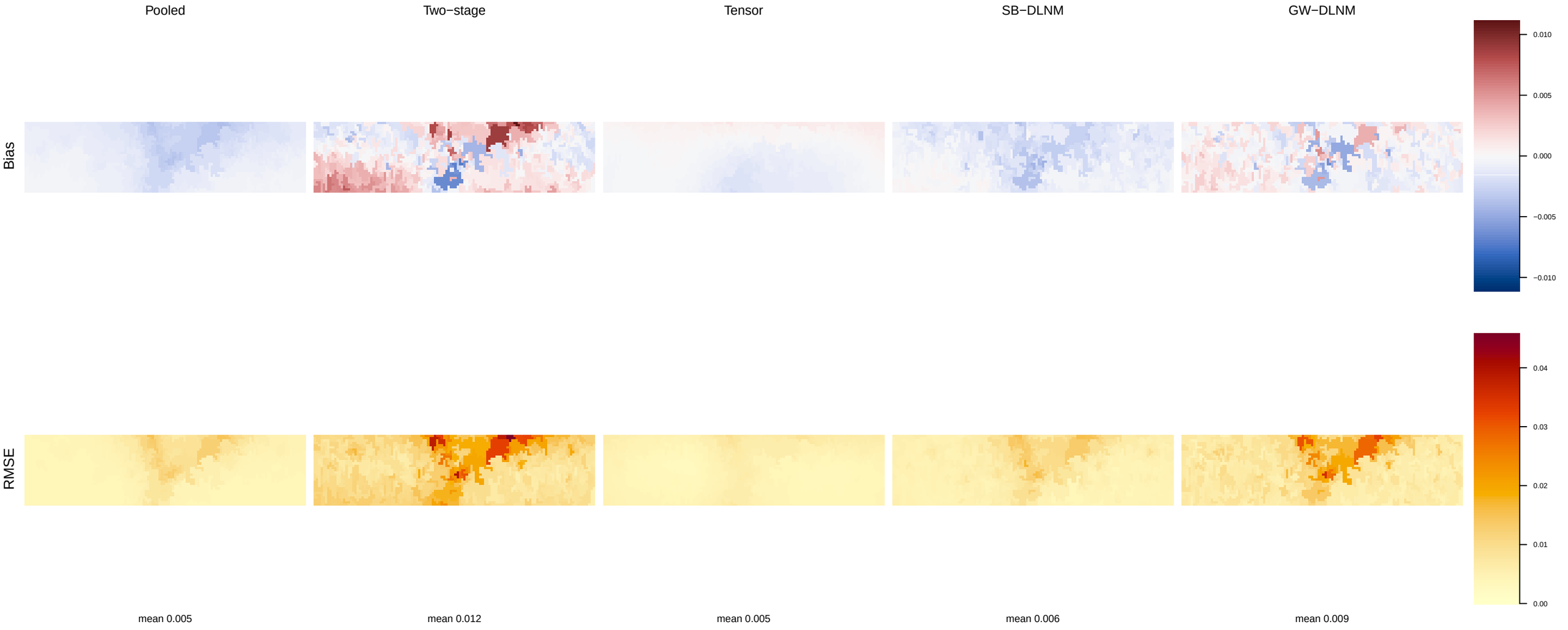
Scenario 190: elongated region, 480 counties, extreme inequality, regional pattern, spread 0.00, edges gradient, unimodal exposure−response, event rate 2, RR 1.6, harvest lag



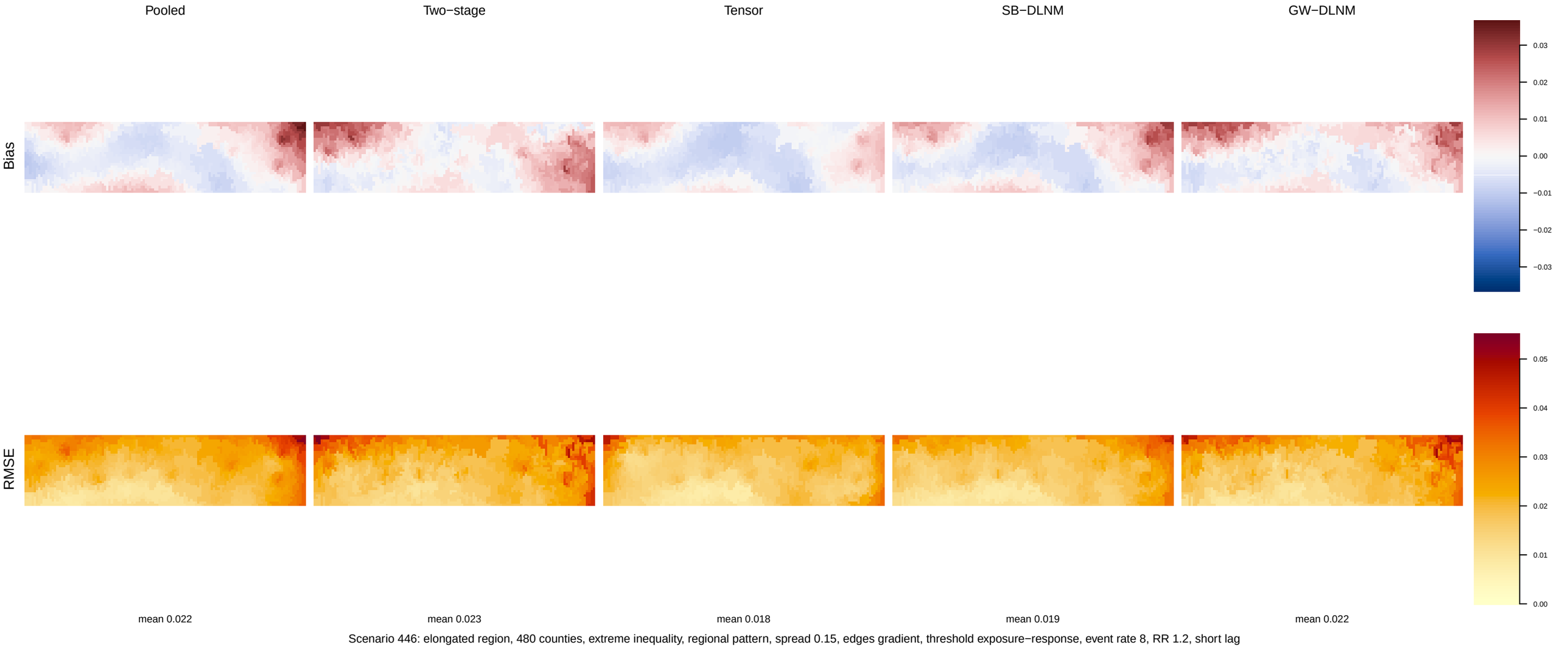
Scenario 126: elongated region, 480 counties, extreme inequality, local pattern, spread 0.00, NS gradient, unimodal exposure−response, event rate 0.5, RR 1.2, short lag



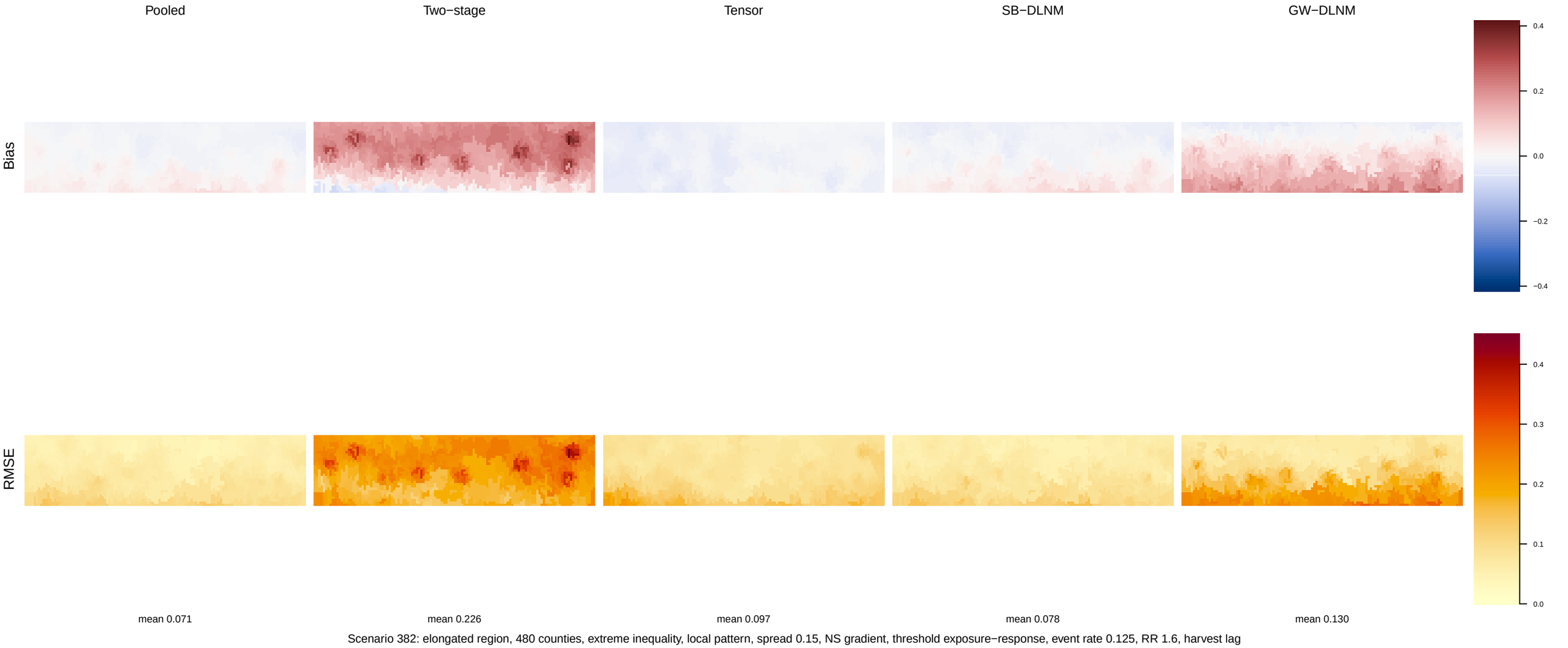
Scenario 62: elongated region, 480 counties, extreme inequality, independent pattern, spread 0.00, ridge gradient, unimodal exposure−response, event rate 0.125, RR 1.4, decay lag



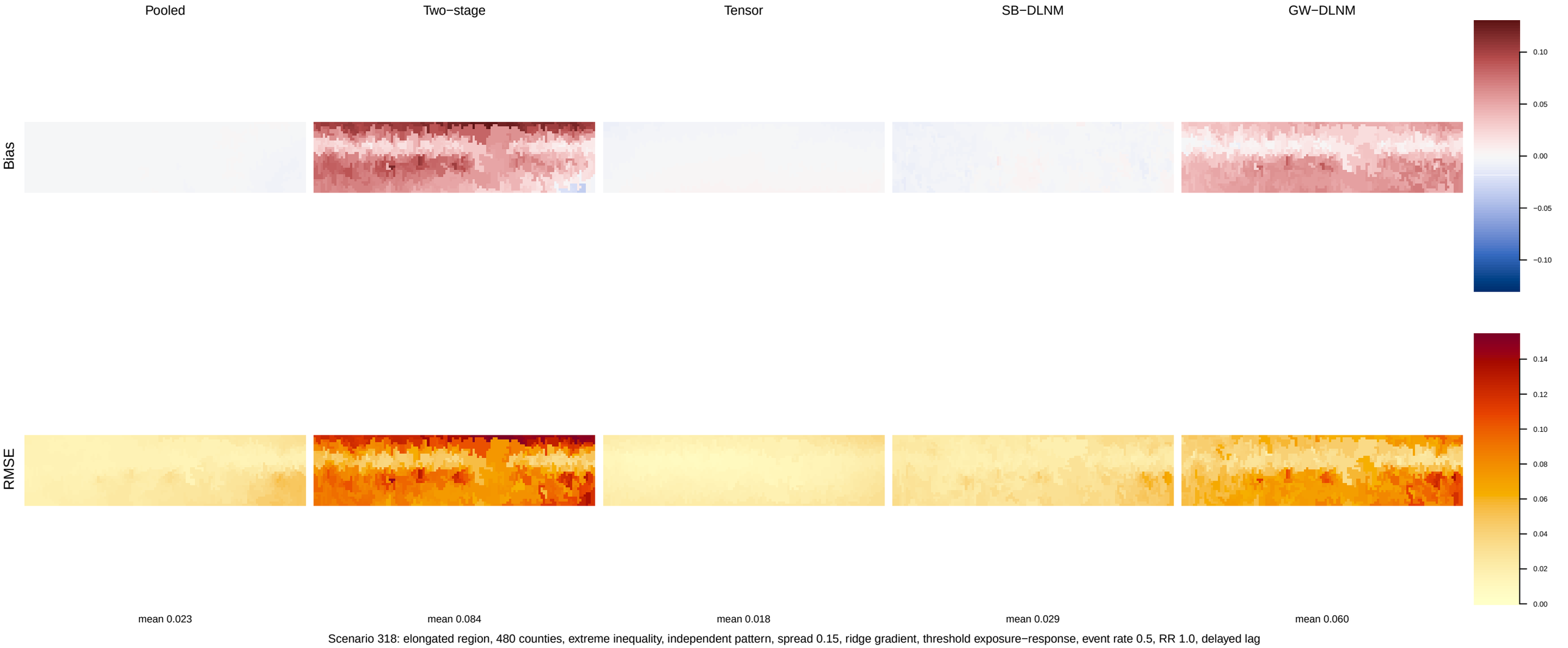
Scenario 254: elongated region, 480 counties, extreme inequality, boundary pattern, spread 0.00, valley gradient, unimodal exposure−response, event rate 8, RR 1.0, delayed lag



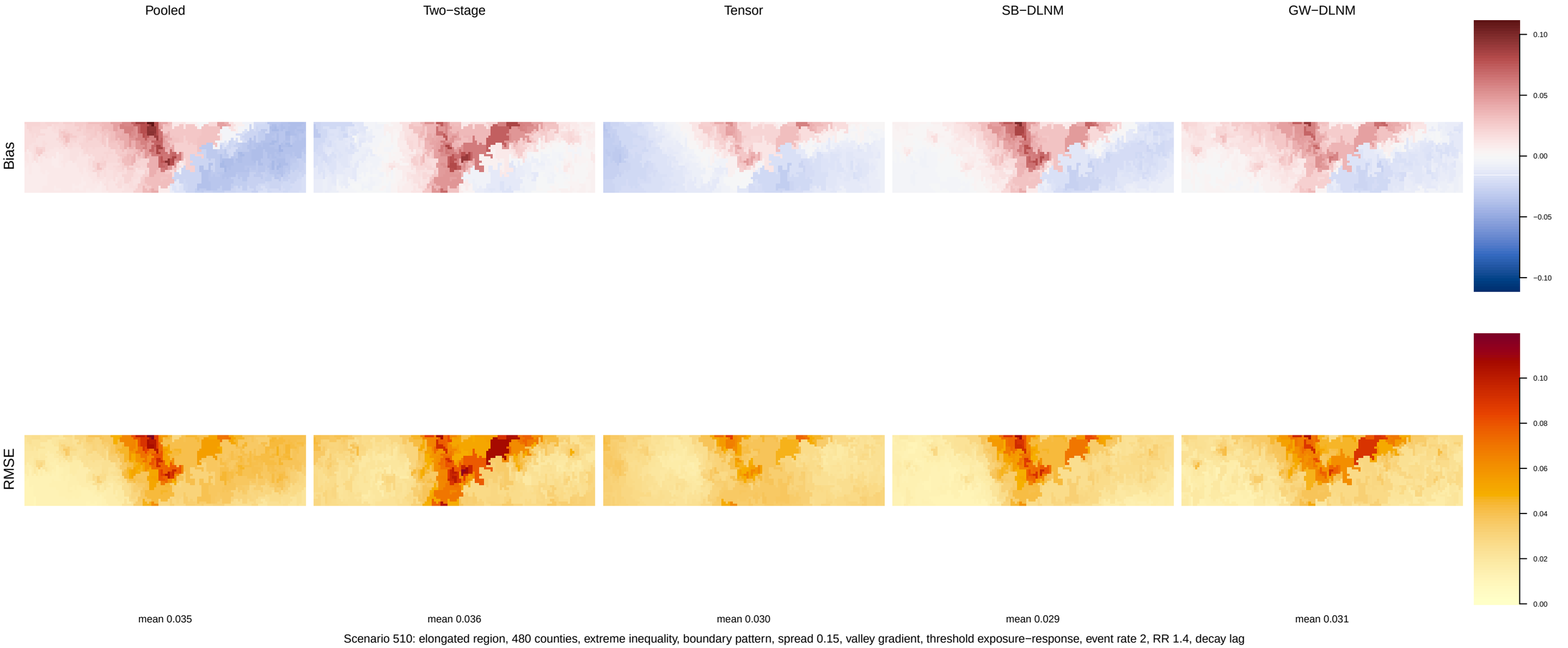
Scenario 446: elongated region, 480 counties, extreme inequality, regional pattern, spread 0.15, edges gradient, threshold exposure−response, event rate 8, RR 1.2, short lag

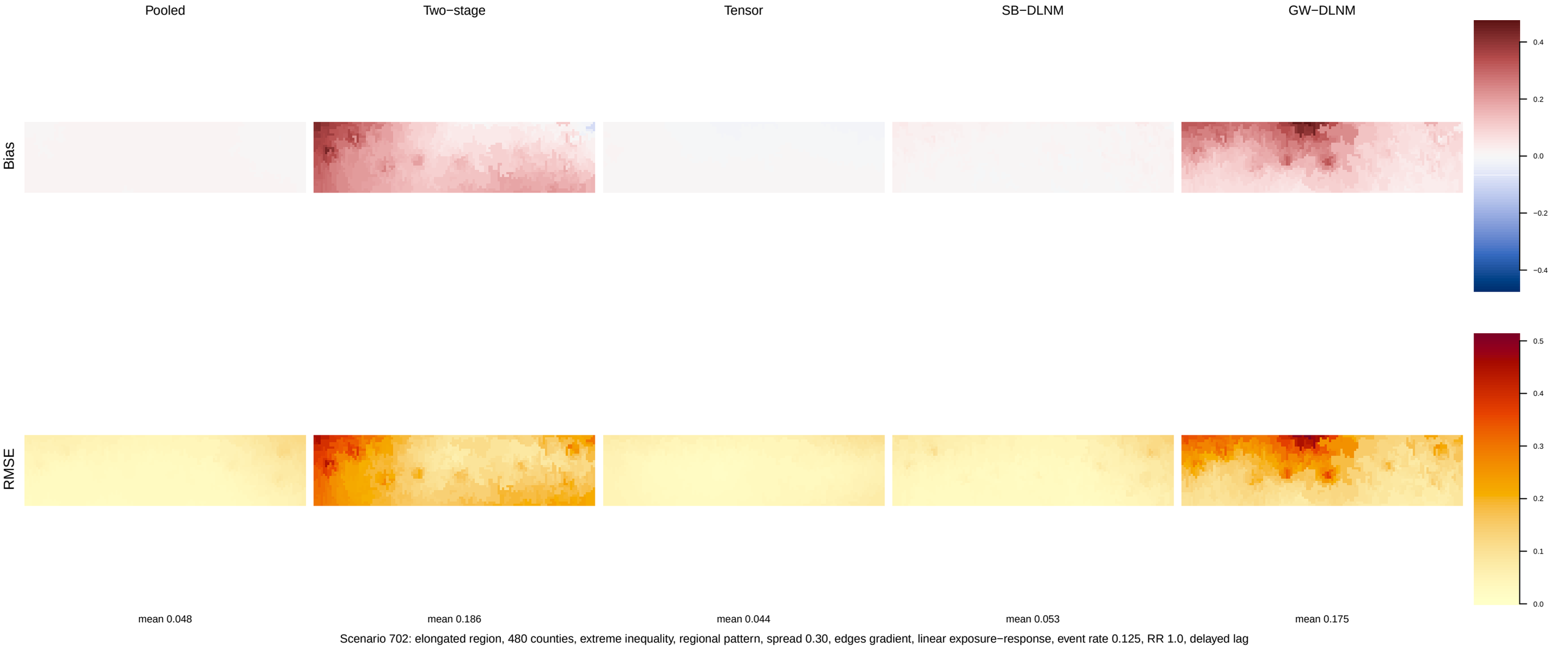


Scenario 382: elongated region, 480 counties, extreme inequality, local pattern, spread 0.15, NS gradient, threshold exposure−response, event rate 0.125, RR 1.6, harvest lag

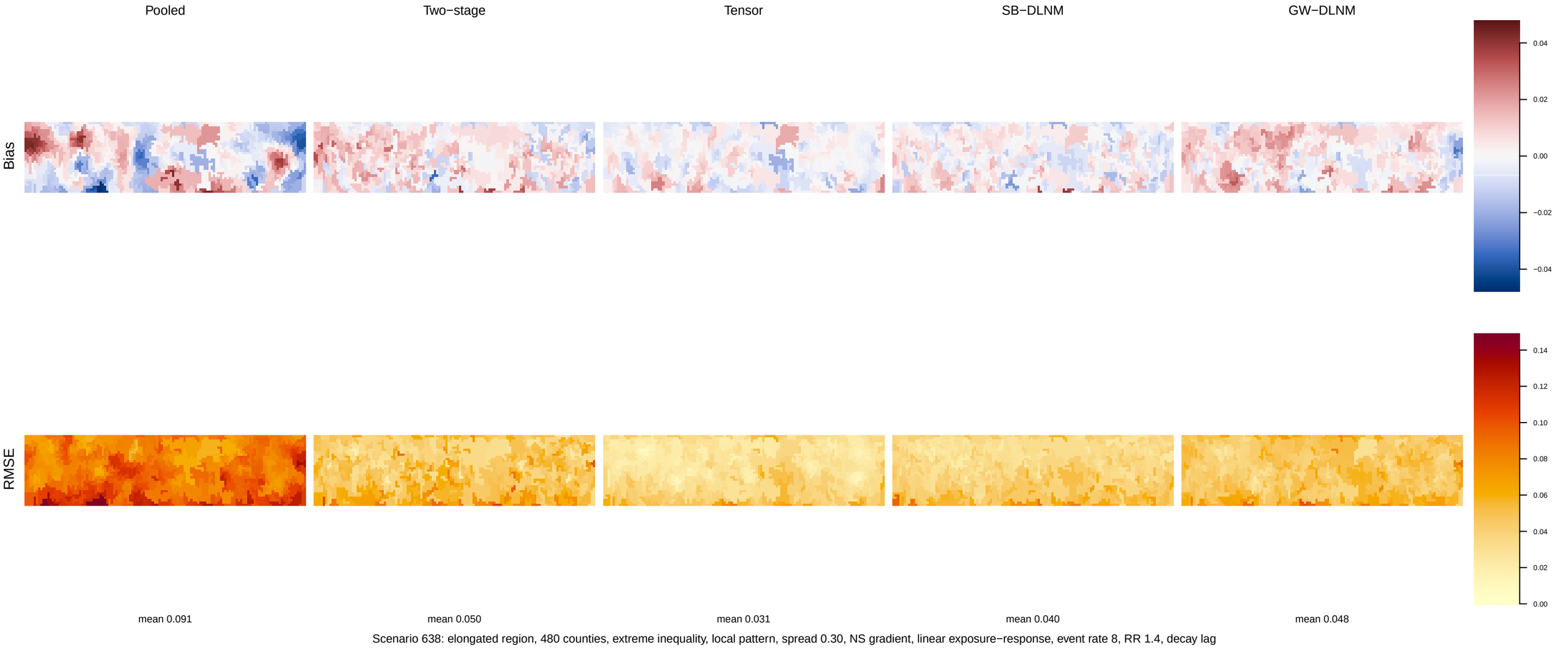


Scenario 318: elongated region, 480 counties, extreme inequality, independent pattern, spread 0.15, ridge gradient, threshold exposure−response, event rate 0.5, RR 1.0, delayed lag

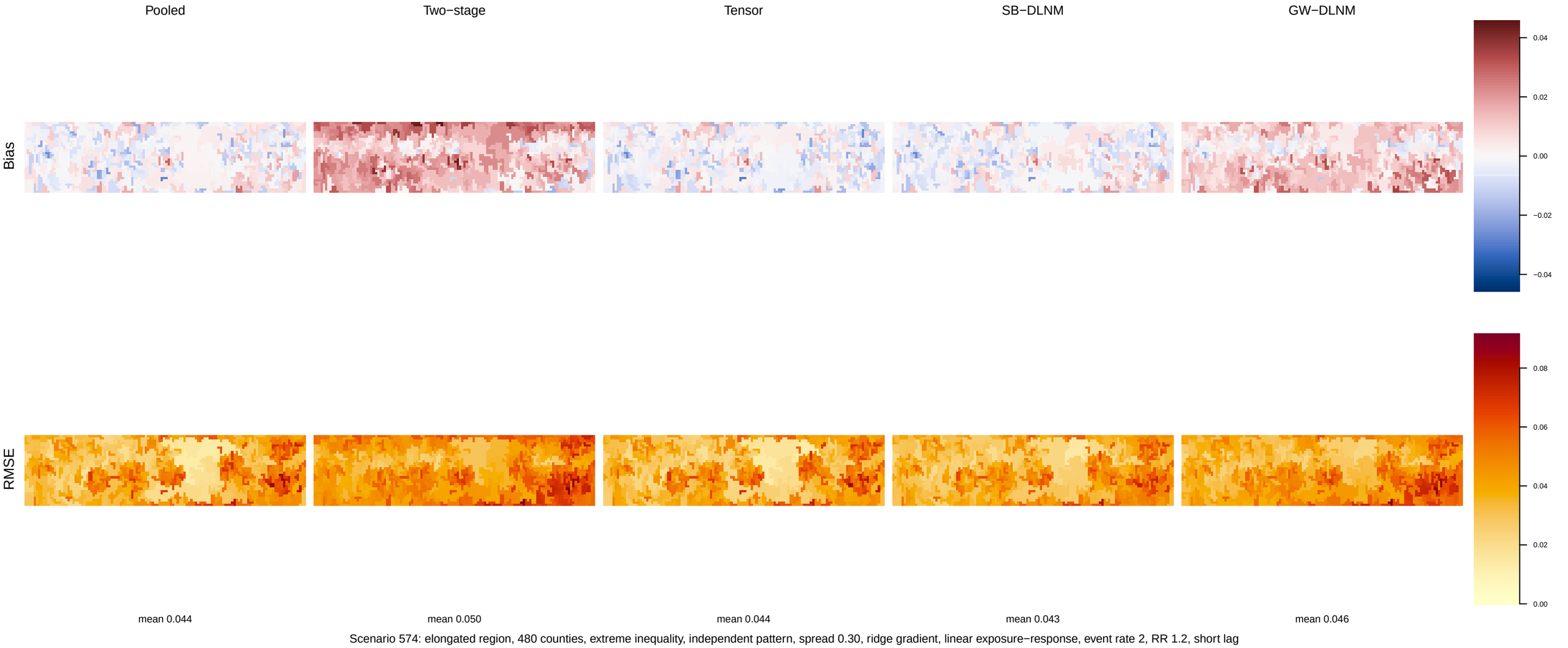

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.10
0.05
0.00
−0.05
−0.10
0.10
0.08
0.06
0.04
0.02
0.00
mean 0.035
mean 0.036
mean 0.030
mean 0.029
mean 0.031
Scenario 510: elongated region, 480 counties, extreme inequality, boundary pattern, spread 0.15, valley gradient, threshold exposure−response, event rate 2, RR 1.4, decay lag



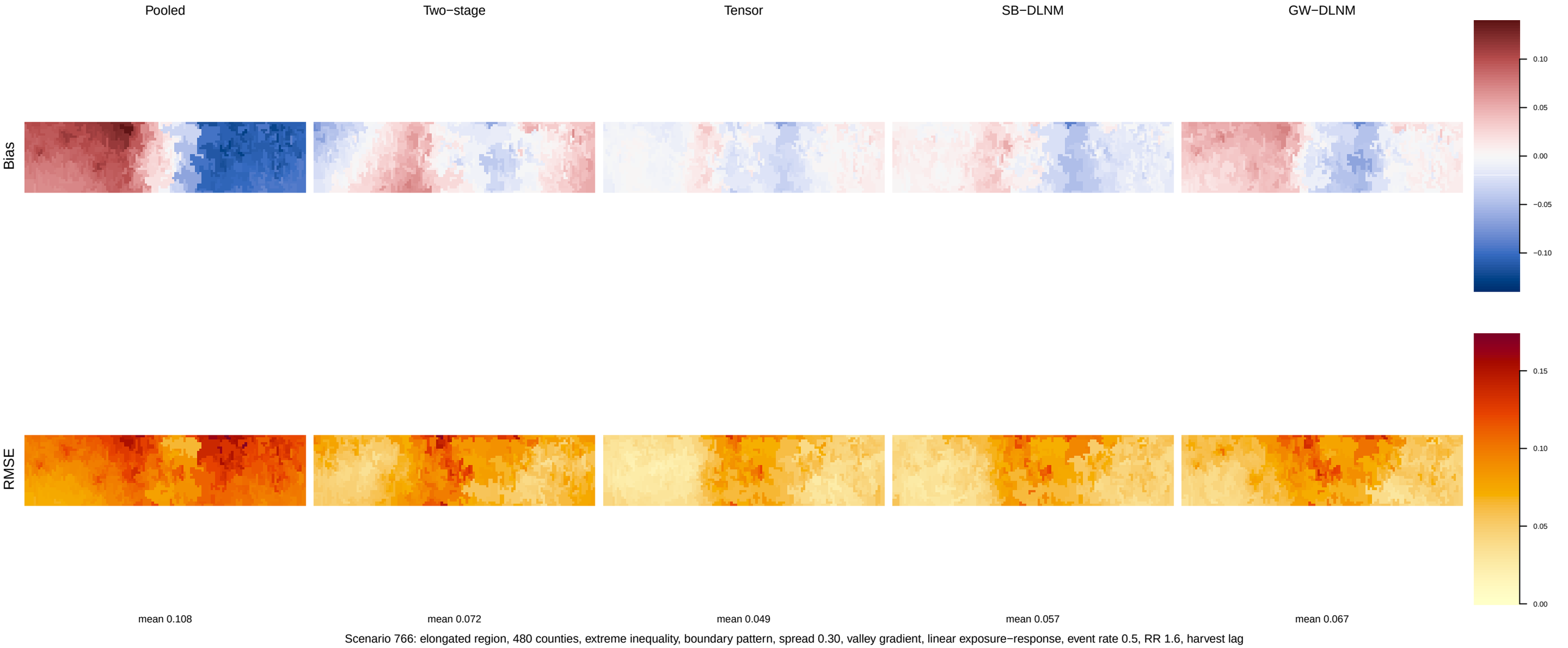
Scenario 702: elongated region, 480 counties, extreme inequality, regional pattern, spread 0.30, edges gradient, linear exposure−response, event rate 0.125, RR 1.0, delayed lag



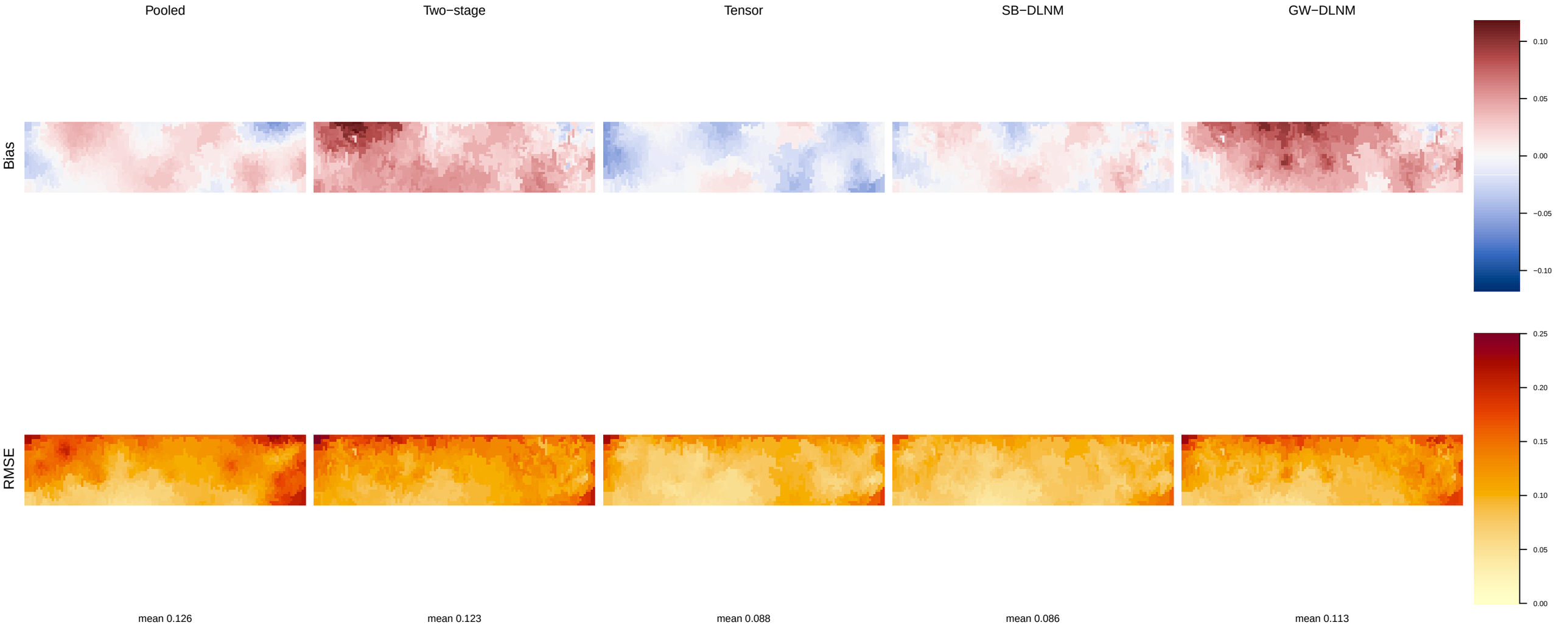
Scenario 638: elongated region, 480 counties, extreme inequality, local pattern, spread 0.30, NS gradient, linear exposure−response, event rate 8, RR 1.4, decay lag



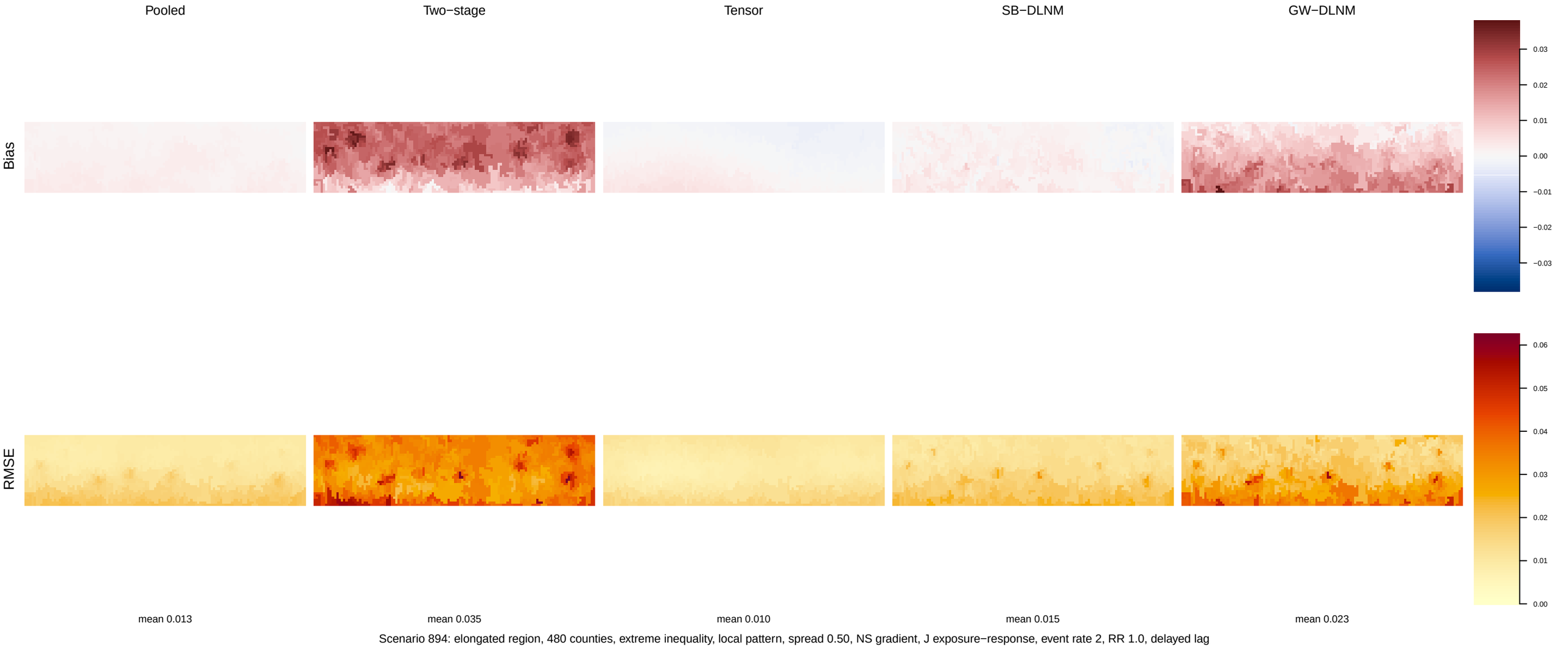
Scenario 574: elongated region, 480 counties, extreme inequality, independent pattern, spread 0.30, ridge gradient, linear exposure−response, event rate 2, RR 1.2, short lag



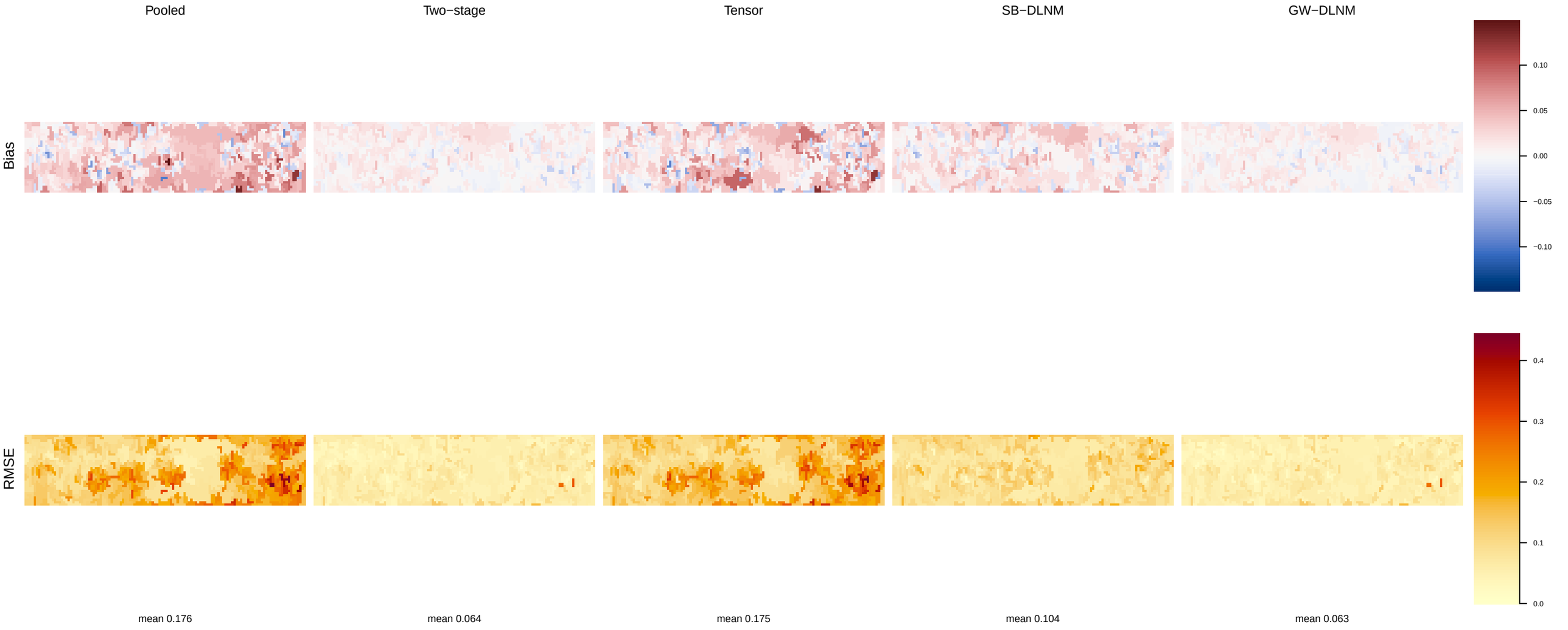
Scenario 766: elongated region, 480 counties, extreme inequality, boundary pattern, spread 0.30, valley gradient, linear exposure−response, event rate 0.5, RR 1.6, harvest lag



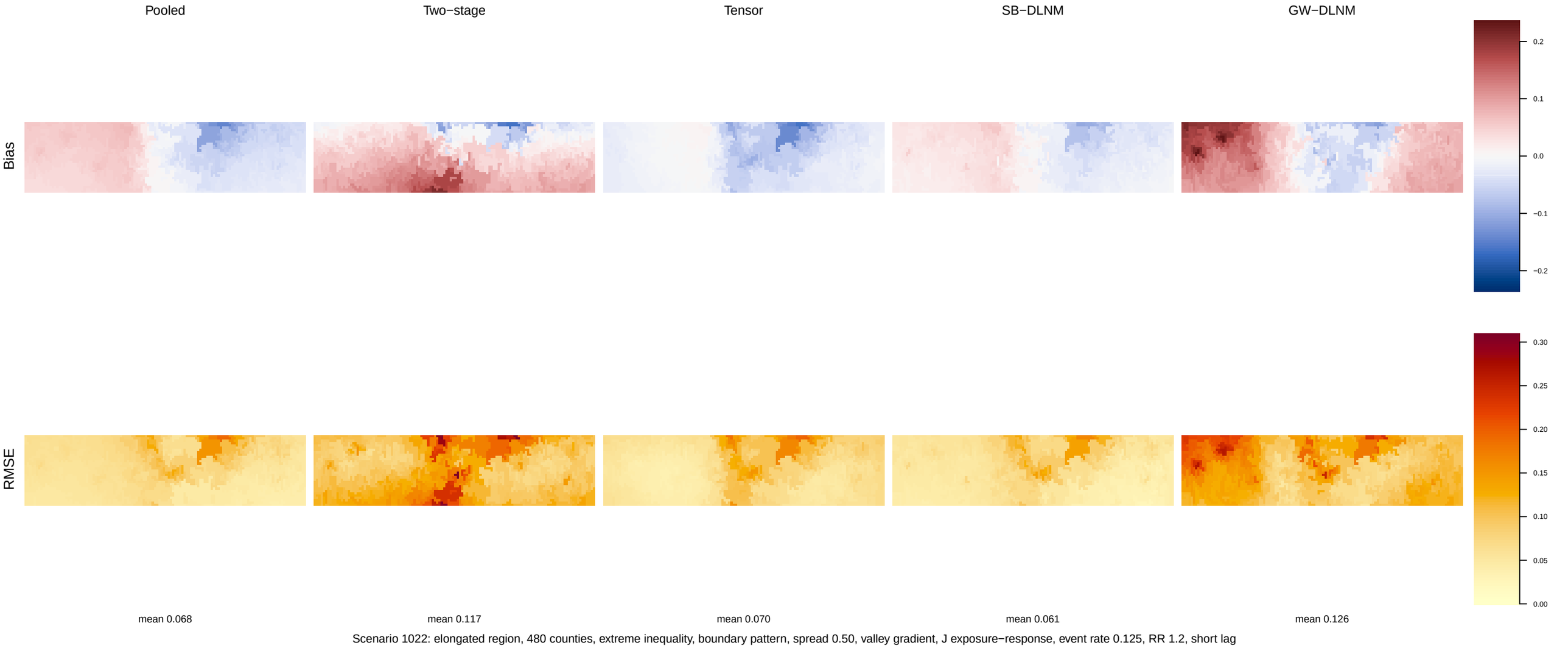
Scenario 958: elongated region, 480 counties, extreme inequality, regional pattern, spread 0.50, edges gradient, J exposure−response, event rate 0.5, RR 1.4, decay lag



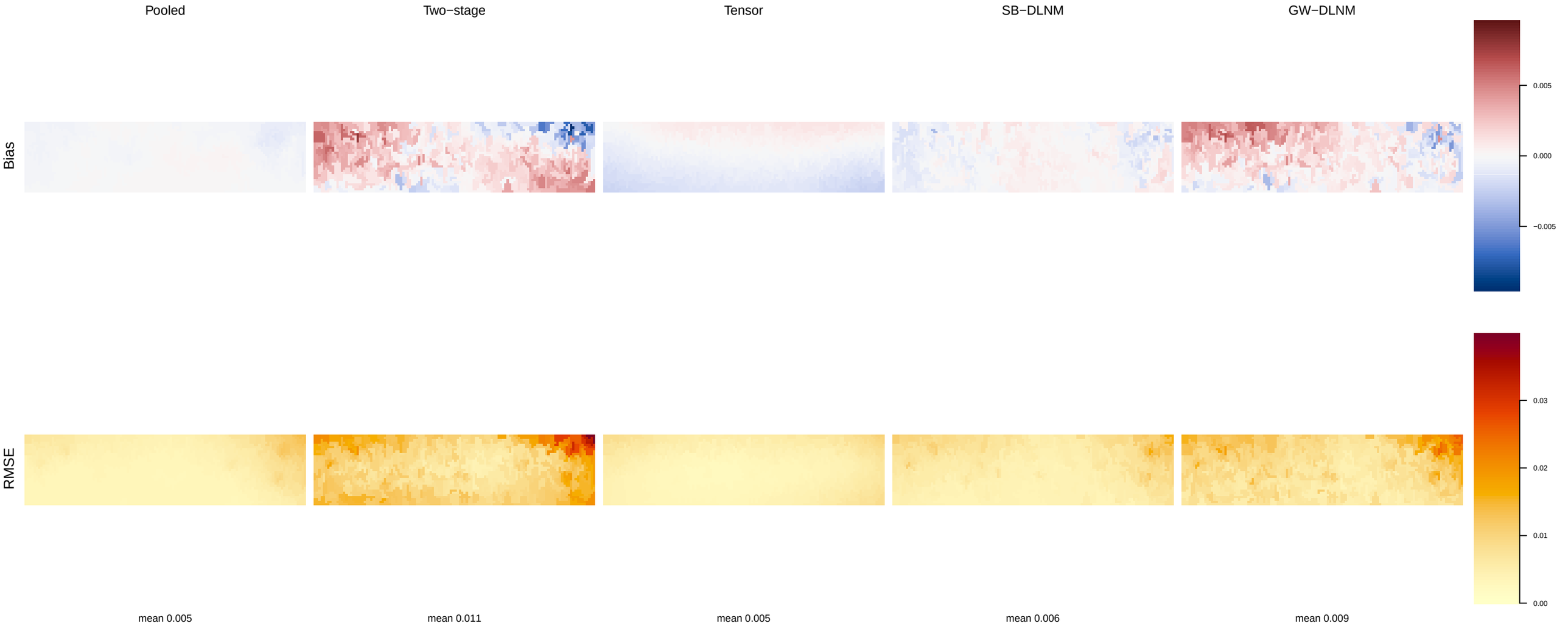
Scenario 894: elongated region, 480 counties, extreme inequality, local pattern, spread 0.50, NS gradient, J exposure−response, event rate 2, RR 1.0, delayed lag



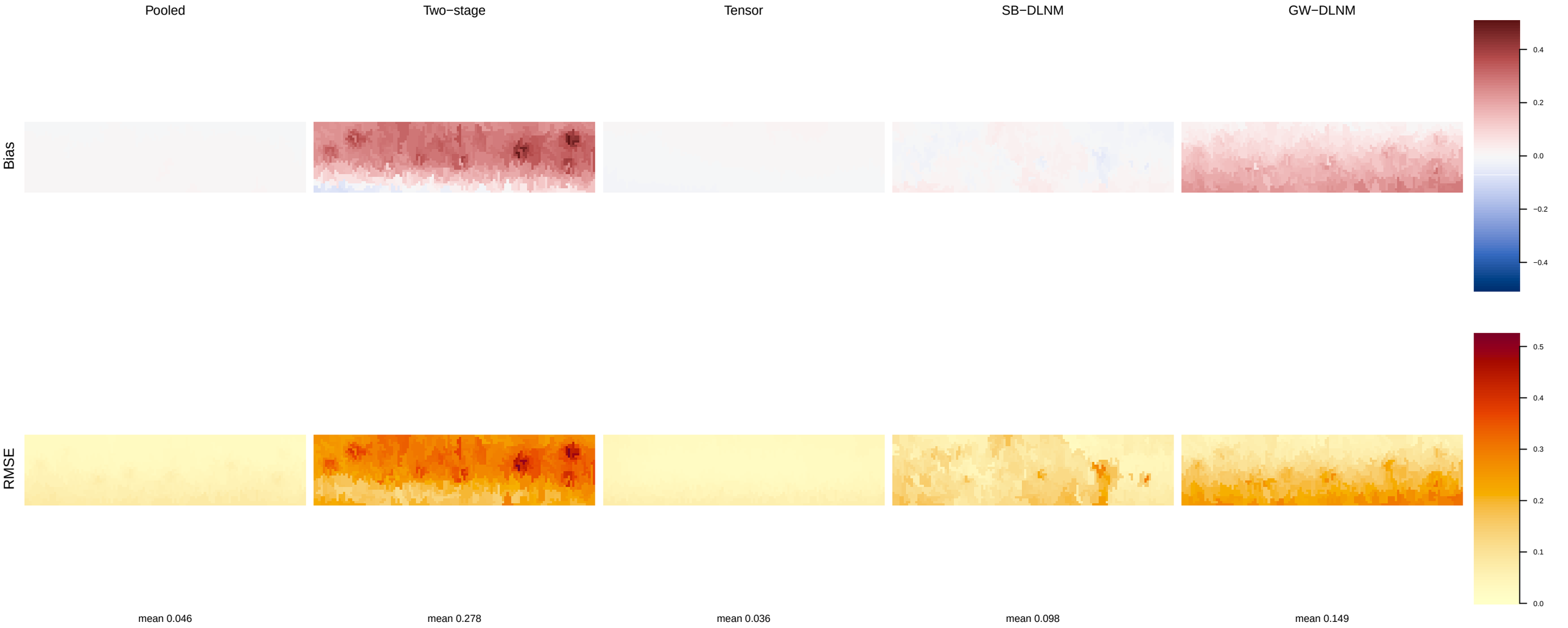
Scenario 830: elongated region, 480 counties, extreme inequality, independent pattern, spread 0.50, ridge gradient, J exposure−response, event rate 8, RR 1.6, harvest lag



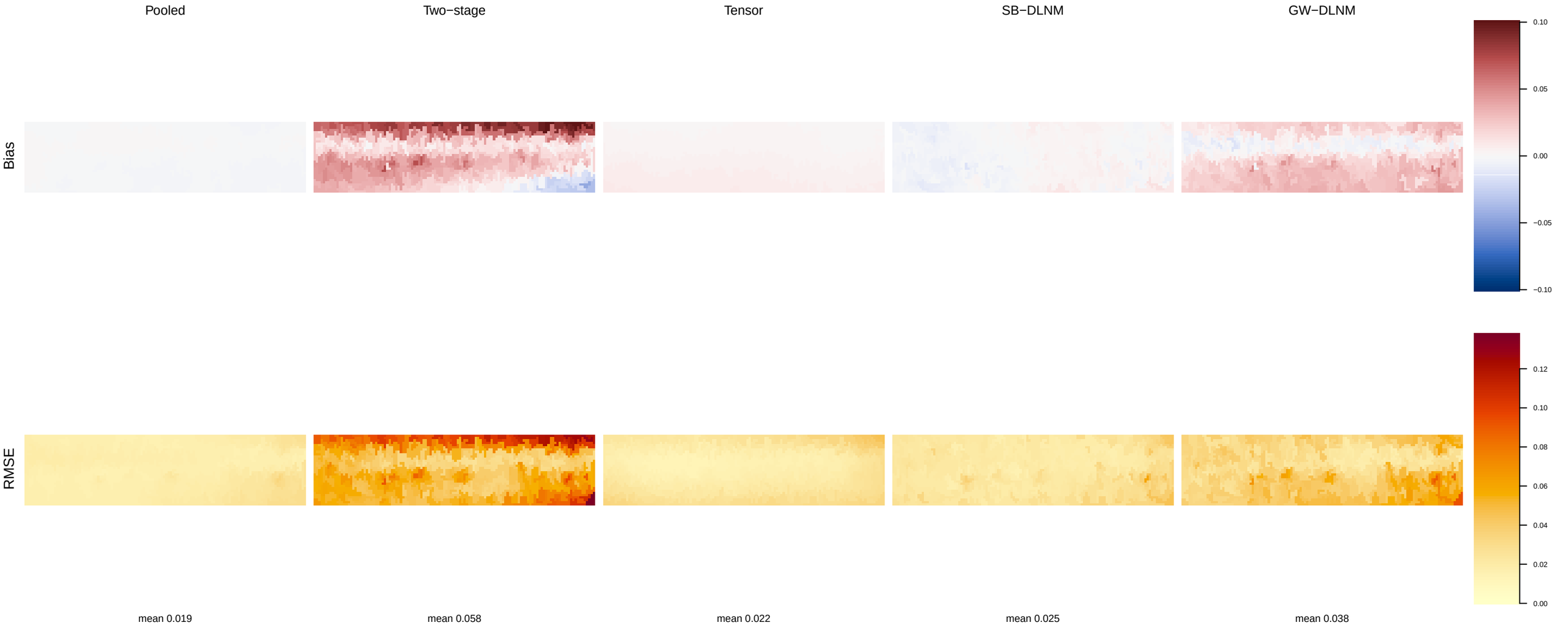
Scenario 1022: elongated region, 480 counties, extreme inequality, boundary pattern, spread 0.50, valley gradient, J exposure−response, event rate 0.125, RR 1.2, short lag



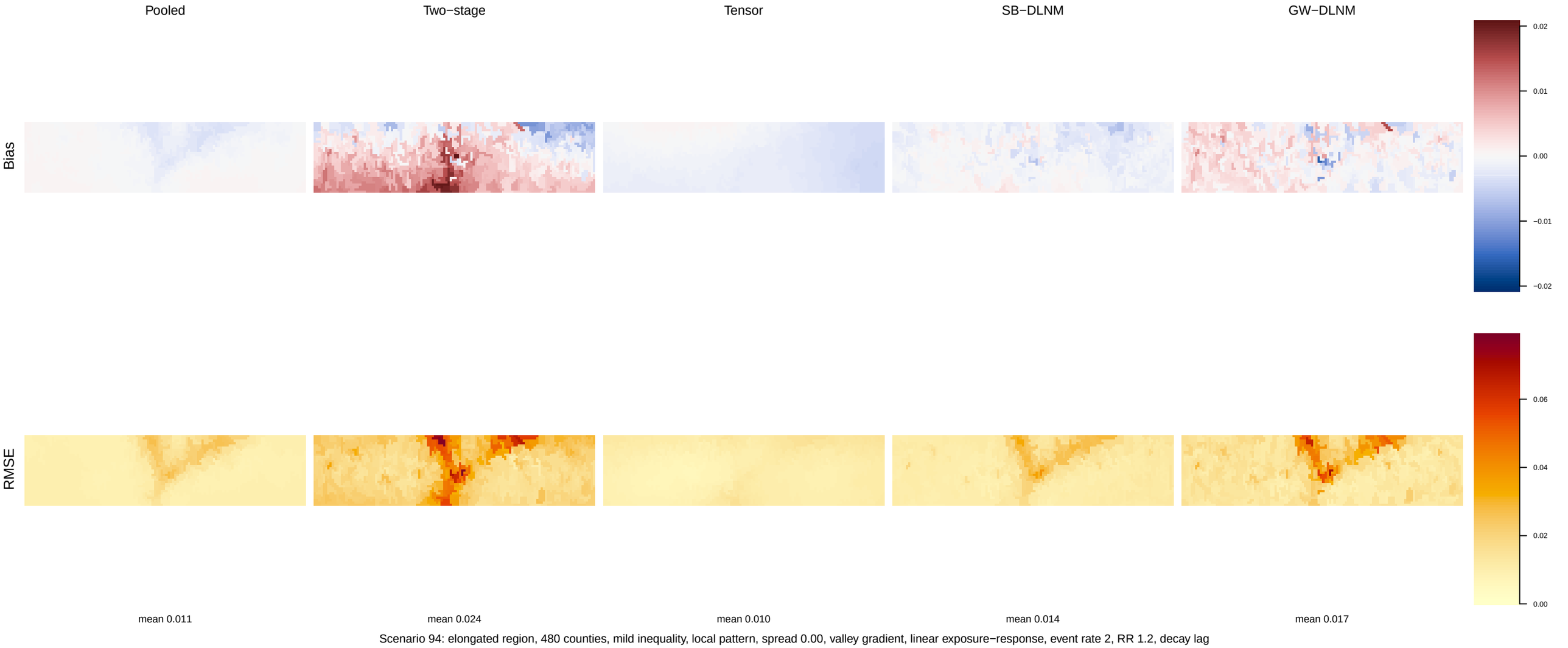
Scenario 30: elongated region, 480 counties, mild inequality, independent pattern, spread 0.00, edges gradient, linear exposure−response, event rate 8, RR 1.4, short lag



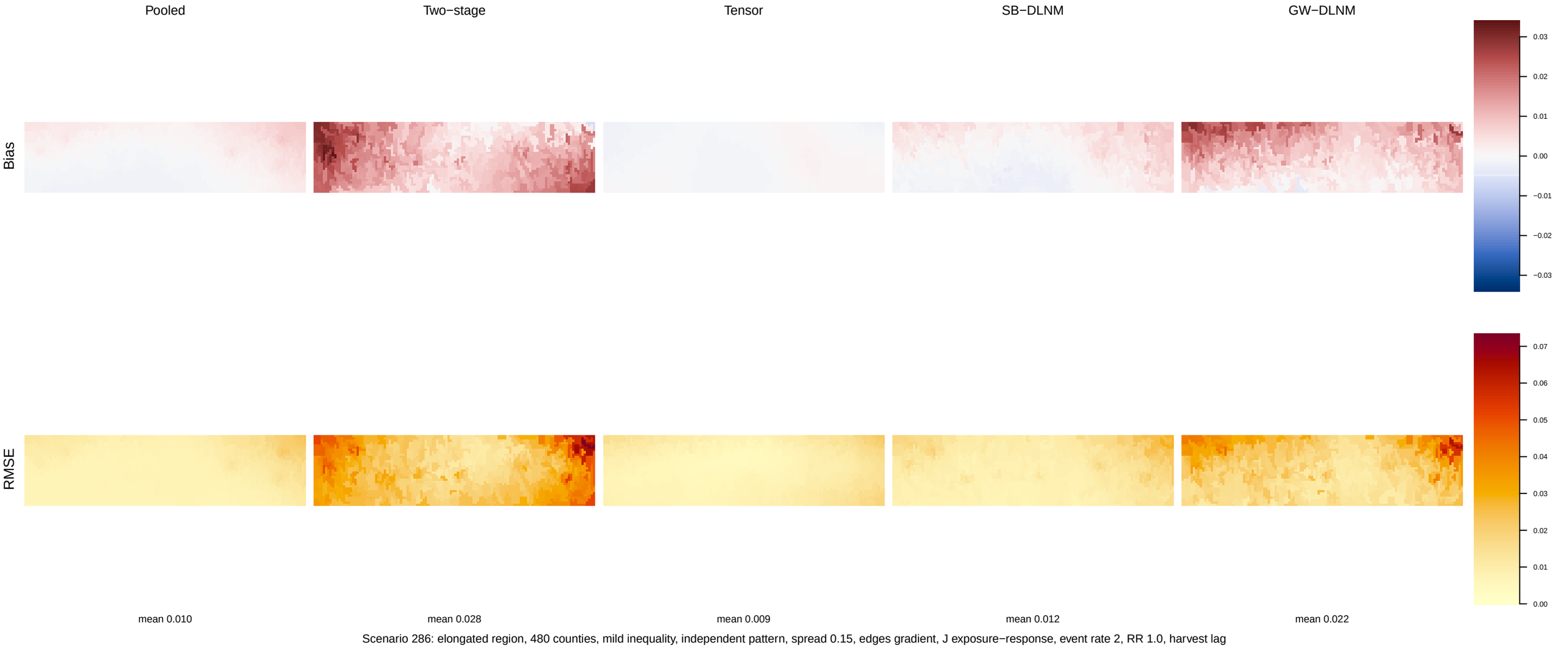
Scenario 222: elongated region, 480 counties, mild inequality, boundary pattern, spread 0.00, NS gradient, linear exposure−response, event rate 0.125, RR 1.0, harvest lag



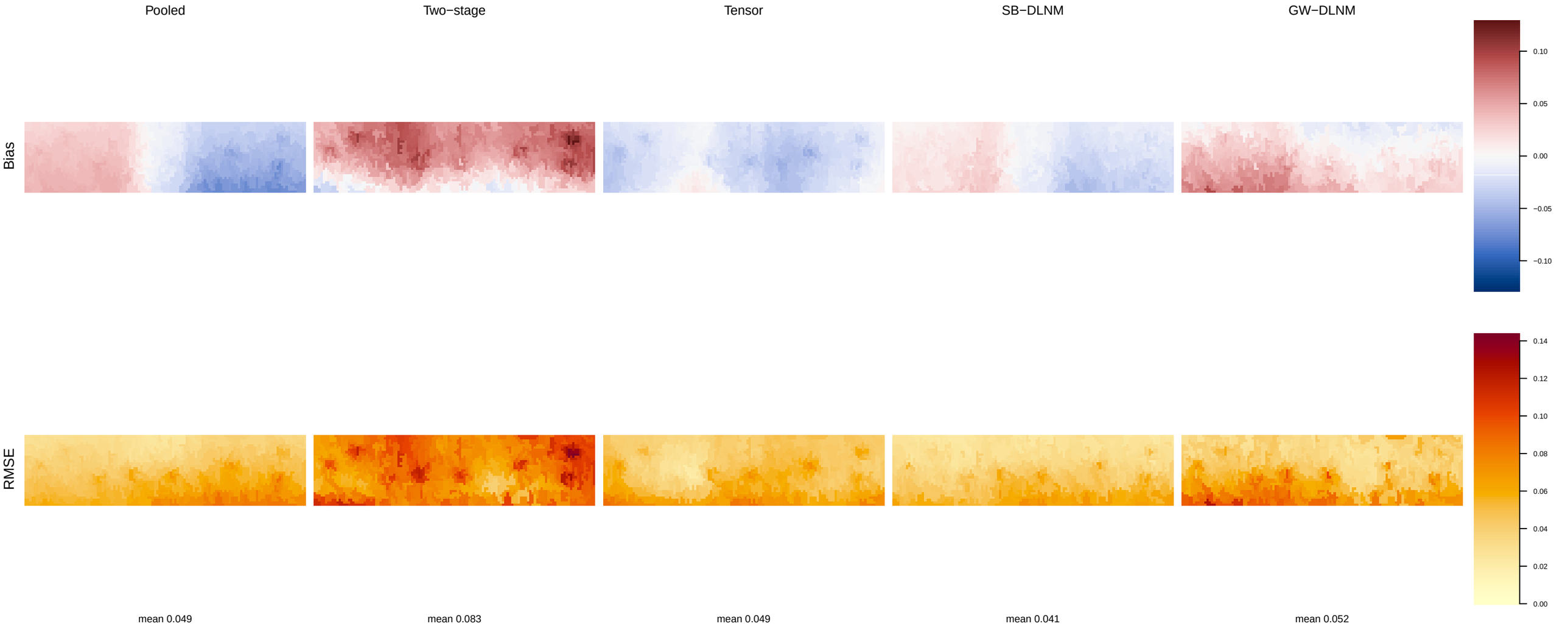
Scenario 158: elongated region, 480 counties, mild inequality, regional pattern, spread 0.00, ridge gradient, linear exposure−response, event rate 0.5, RR 1.6, delayed lag



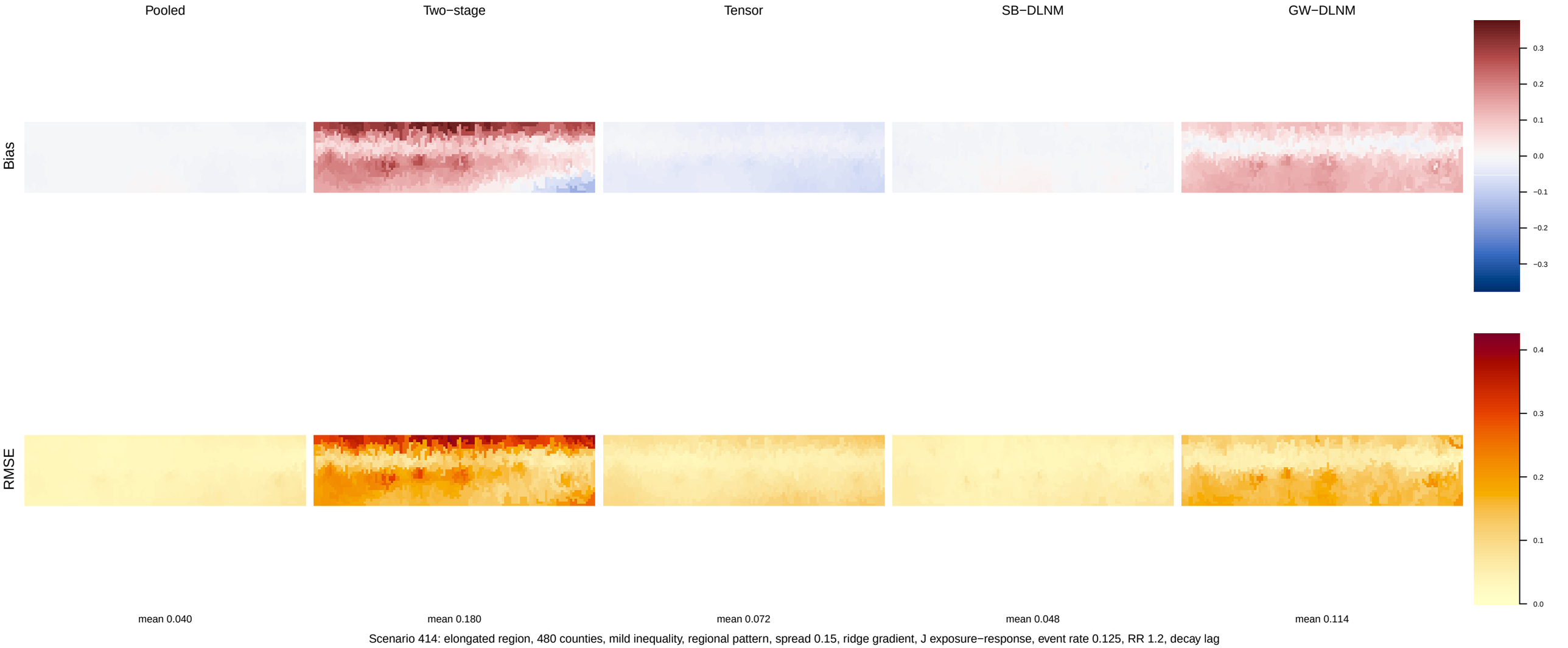
Scenario 94: elongated region, 480 counties, mild inequality, local pattern, spread 0.00, valley gradient, linear exposure−response, event rate 2, RR 1.2, decay lag



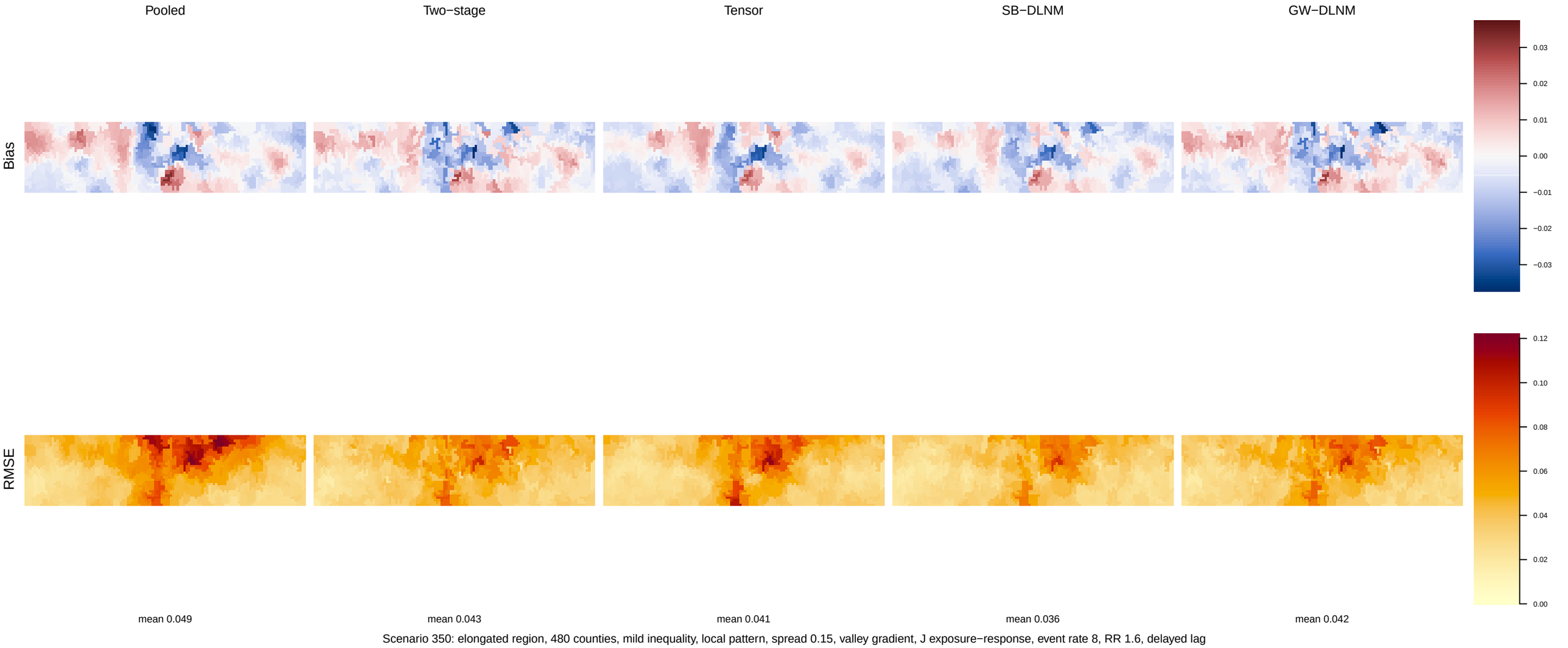
Scenario 286: elongated region, 480 counties, mild inequality, independent pattern, spread 0.15, edges gradient, J exposure−response, event rate 2, RR 1.0, harvest lag



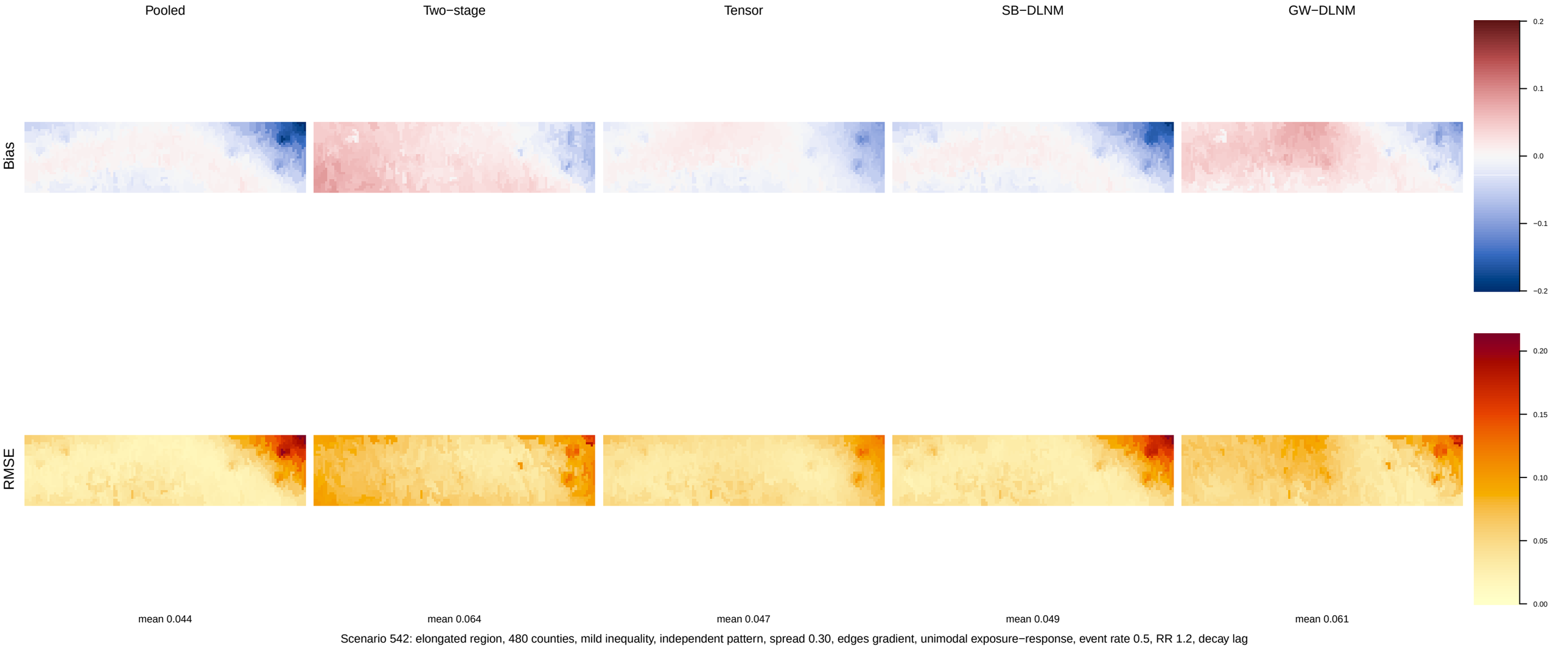
Scenario 478: elongated region, 480 counties, mild inequality, boundary pattern, spread 0.15, NS gradient, J exposure−response, event rate 0.5, RR 1.4, short lag



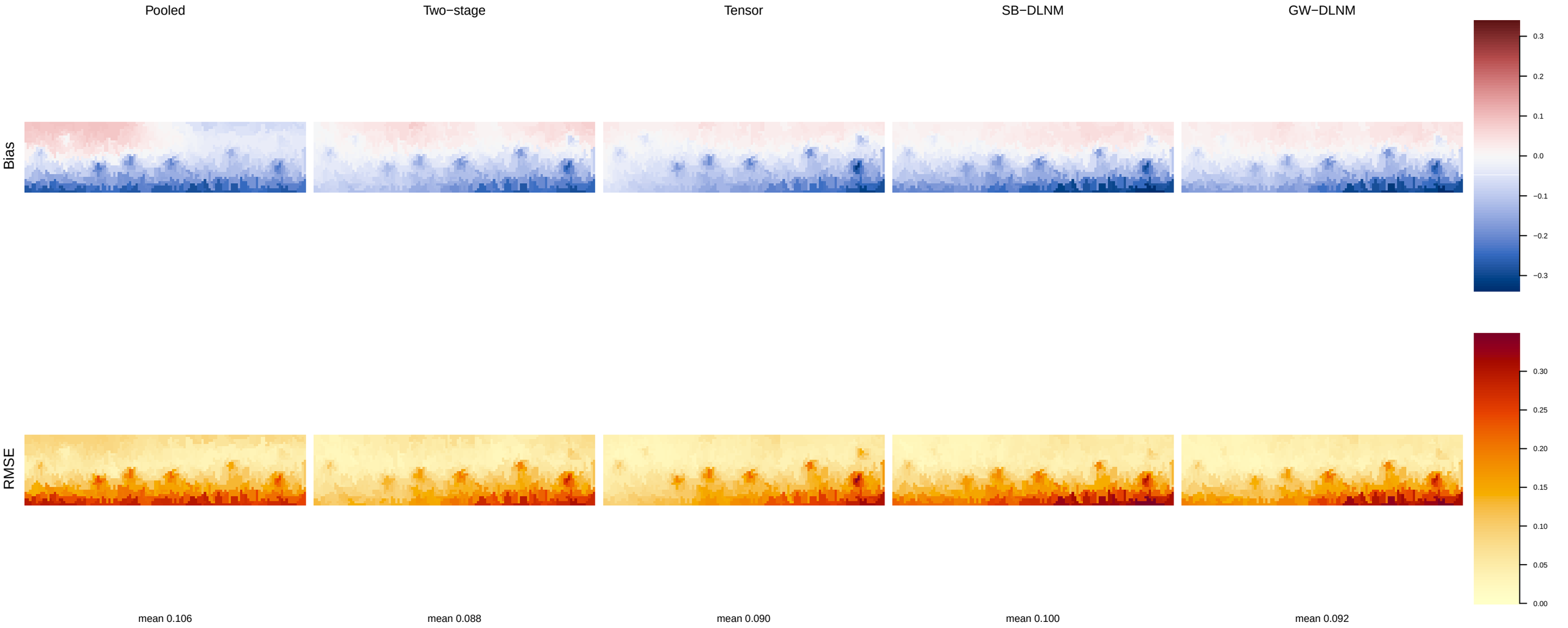
Scenario 414: elongated region, 480 counties, mild inequality, regional pattern, spread 0.15, ridge gradient, J exposure−response, event rate 0.125, RR 1.2, decay lag



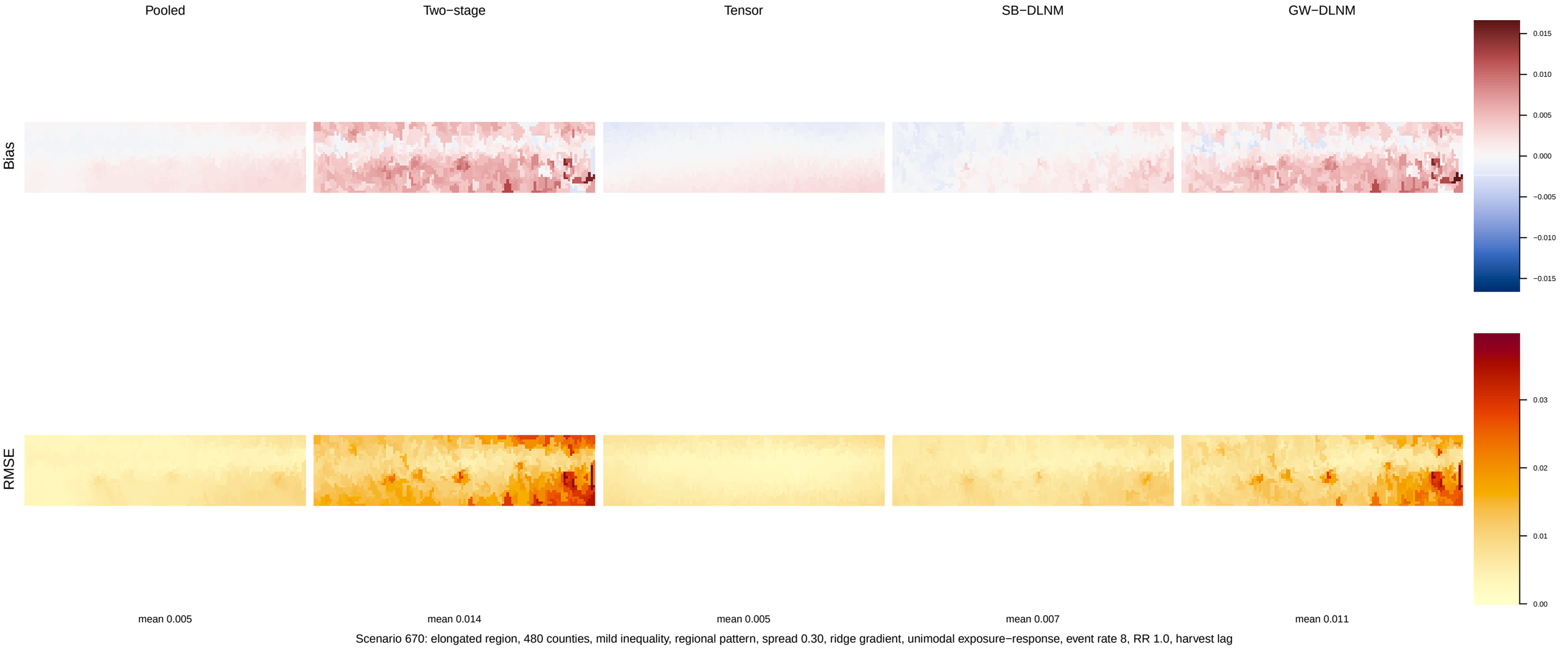
Scenario 350: elongated region, 480 counties, mild inequality, local pattern, spread 0.15, valley gradient, J exposure−response, event rate 8, RR 1.6, delayed lag



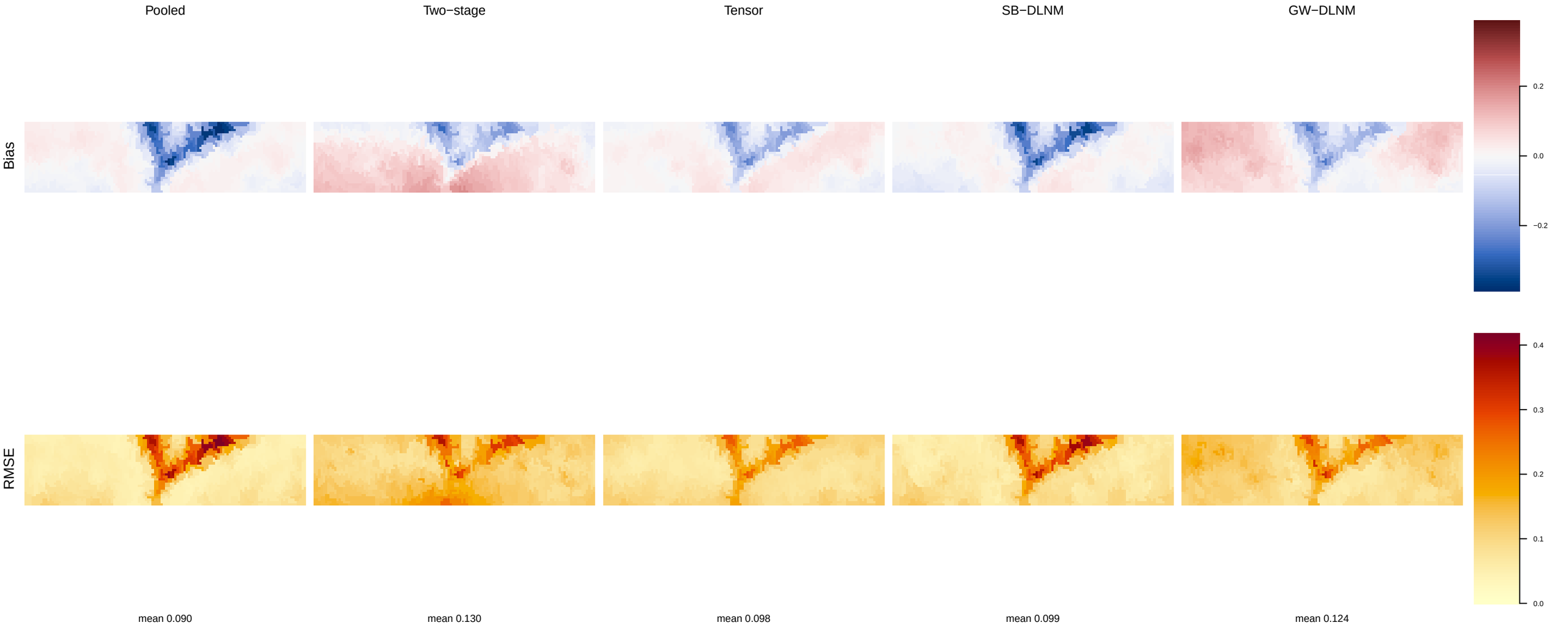
Scenario 542: elongated region, 480 counties, mild inequality, independent pattern, spread 0.30, edges gradient, unimodal exposure−response, event rate 0.5, RR 1.2, decay lag



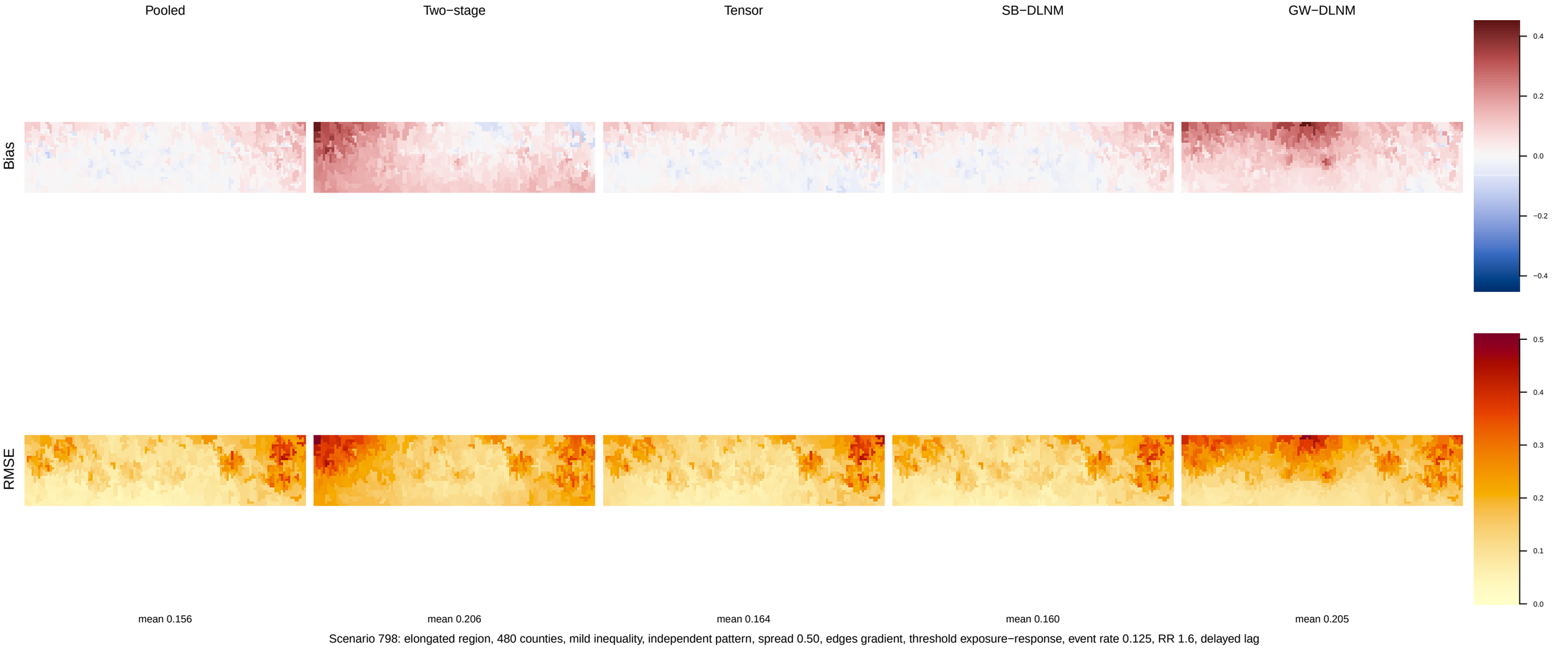
Scenario 734: elongated region, 480 counties, mild inequality, boundary pattern, spread 0.30, NS gradient, unimodal exposure−response, event rate 2, RR 1.6, delayed lag



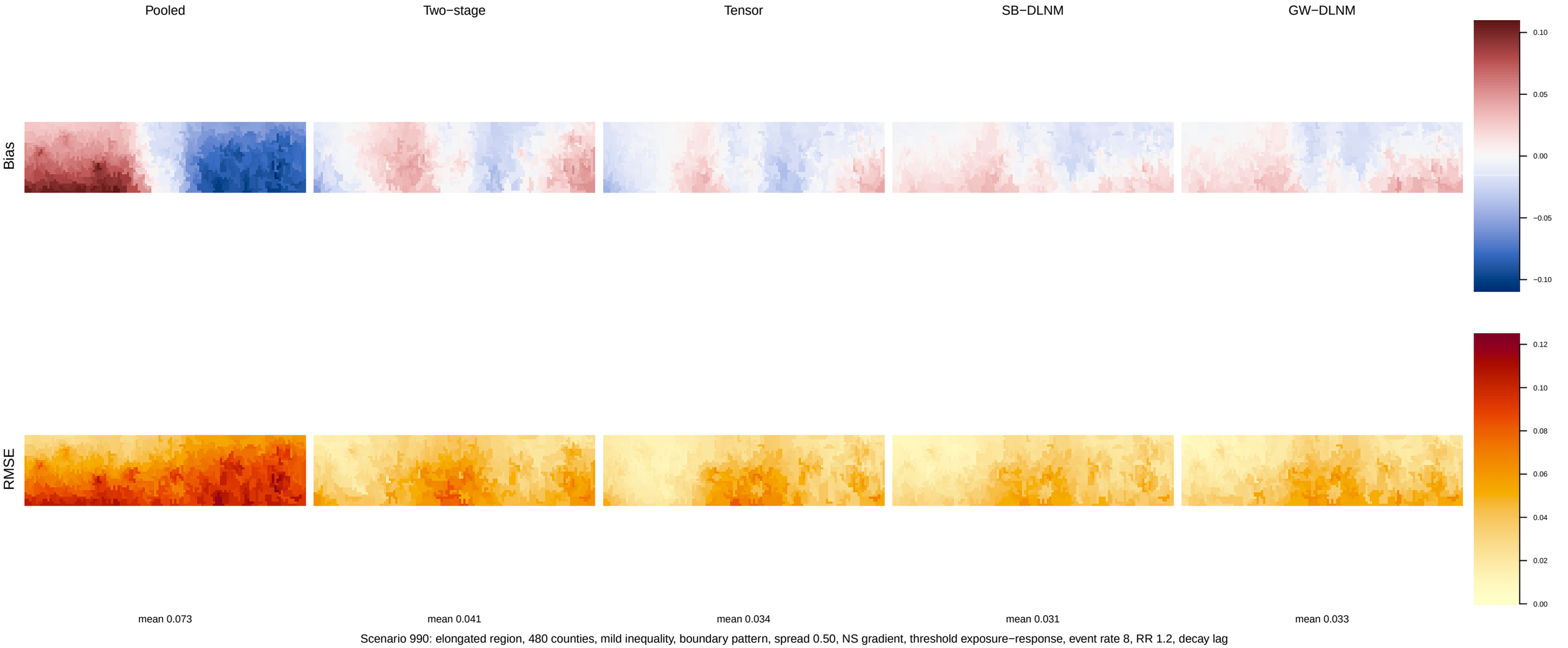
Scenario 670: elongated region, 480 counties, mild inequality, regional pattern, spread 0.30, ridge gradient, unimodal exposure−response, event rate 8, RR 1.0, harvest lag



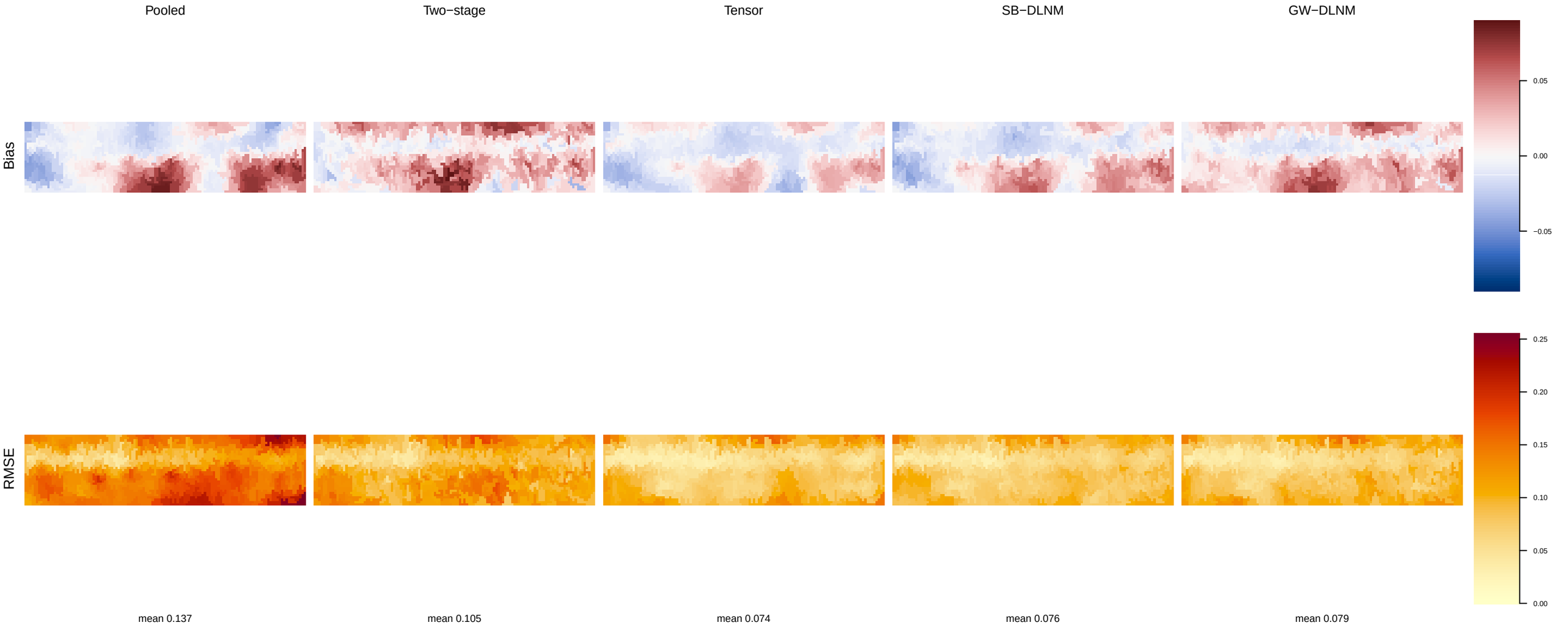
Scenario 606: elongated region, 480 counties, mild inequality, local pattern, spread 0.30, valley gradient, unimodal exposure−response, event rate 0.125, RR 1.4, short lag



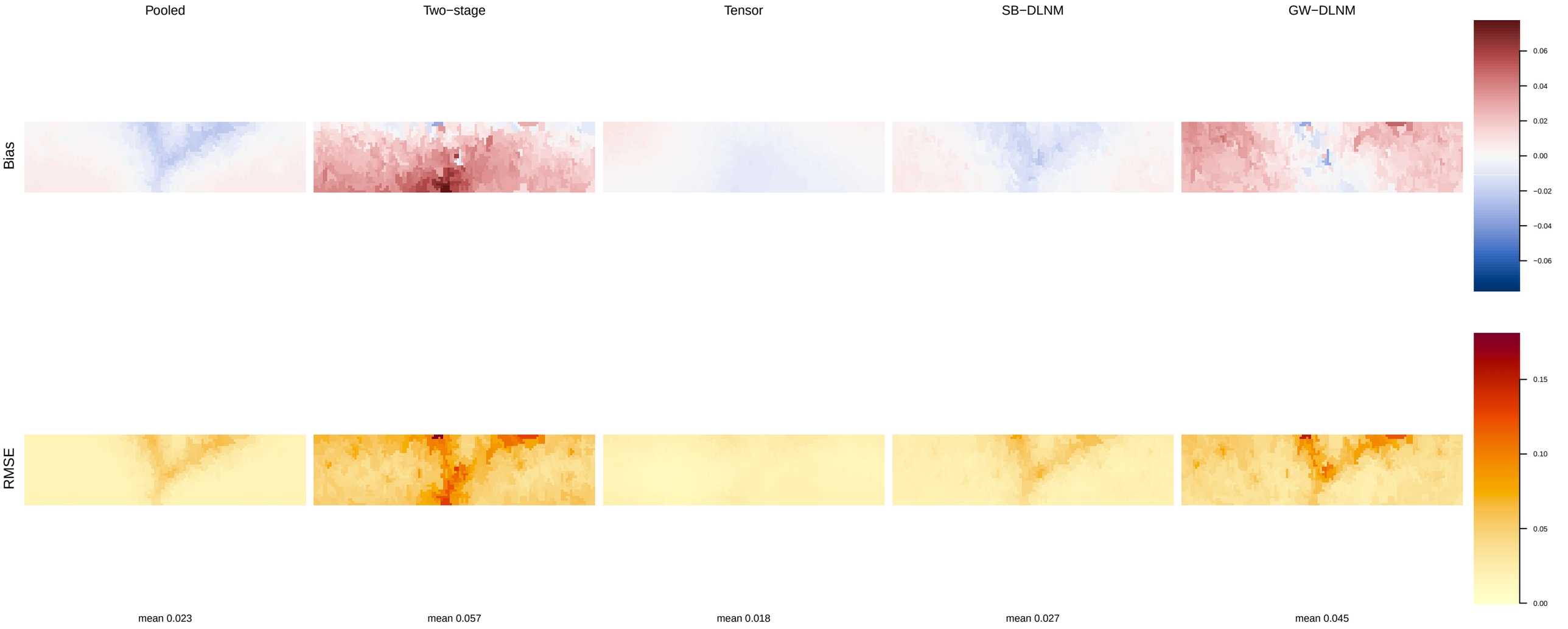
Scenario 798: elongated region, 480 counties, mild inequality, independent pattern, spread 0.50, edges gradient, threshold exposure−response, event rate 0.125, RR 1.6, delayed lag



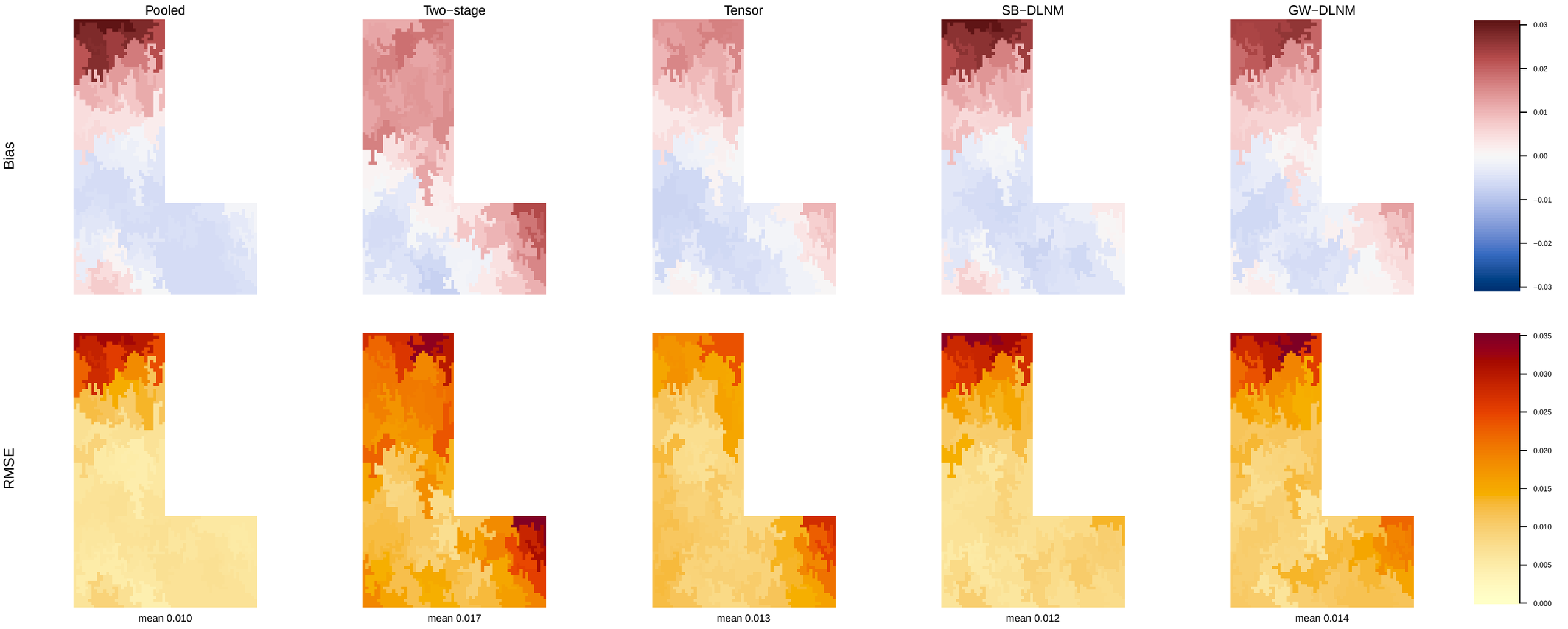
Scenario 990: elongated region, 480 counties, mild inequality, boundary pattern, spread 0.50, NS gradient, threshold exposure−response, event rate 8, RR 1.2, decay lag



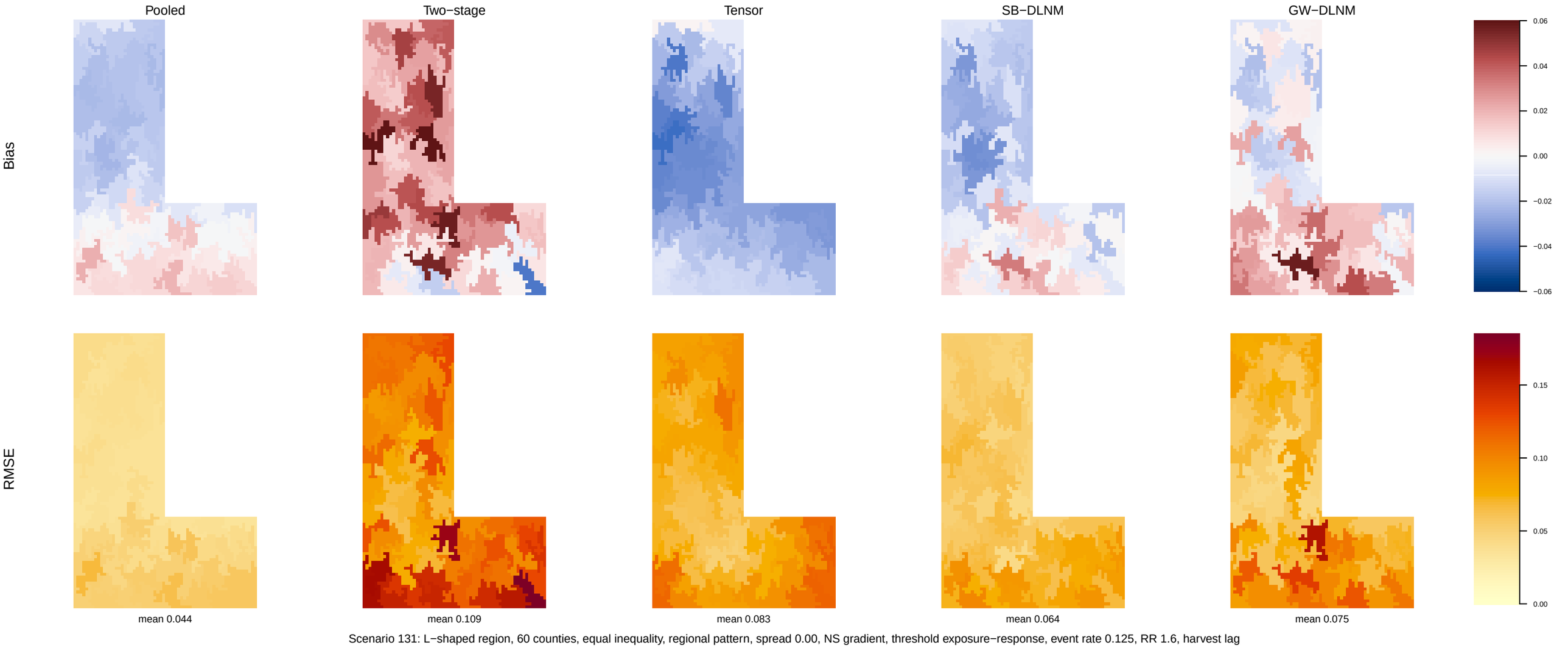
Scenario 926: elongated region, 480 counties, mild inequality, regional pattern, spread 0.50, ridge gradient, threshold exposure−response, event rate 2, RR 1.4, short lag



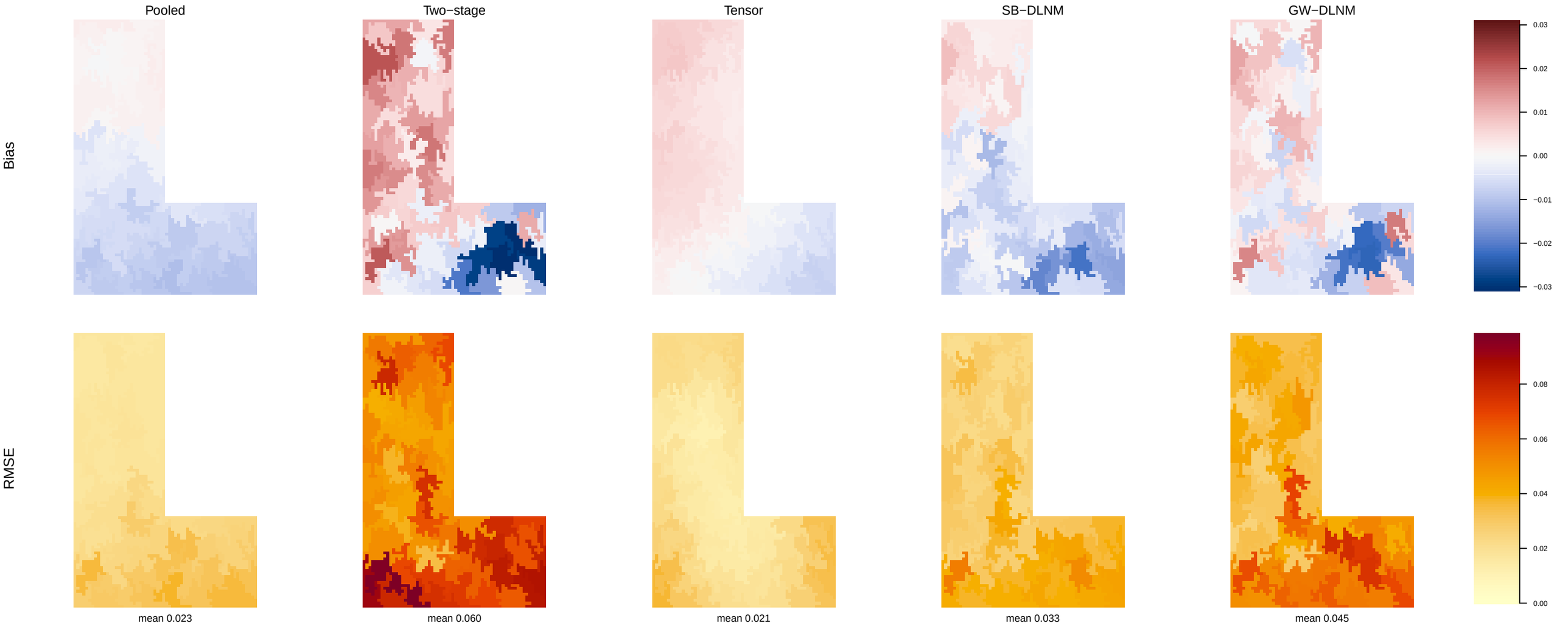
Scenario 862: elongated region, 480 counties, mild inequality, local pattern, spread 0.50, valley gradient, threshold exposure−response, event rate 0.5, RR 1.0, harvest lag



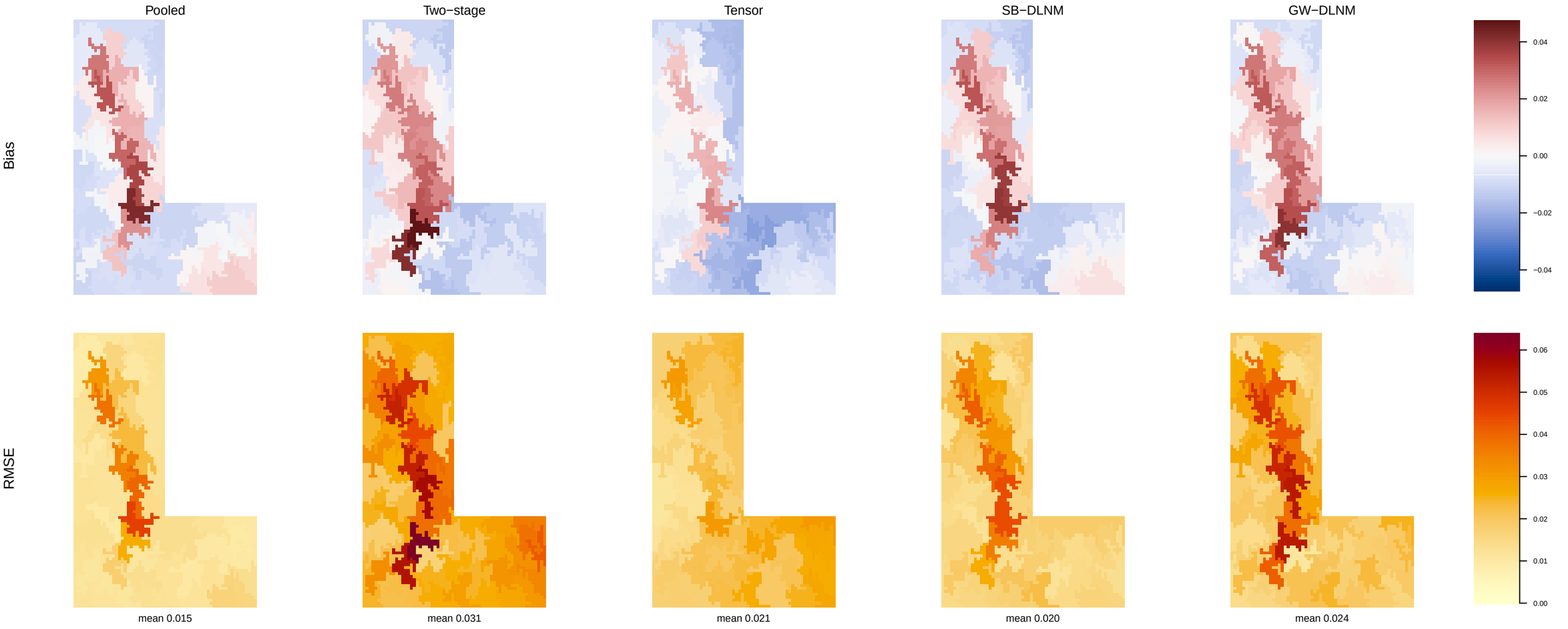
Scenario 67: L−shaped region, 60 counties, equal inequality, local pattern, spread 0.00, edges gradient, threshold exposure−response, event rate 8, RR 1.2, short lag



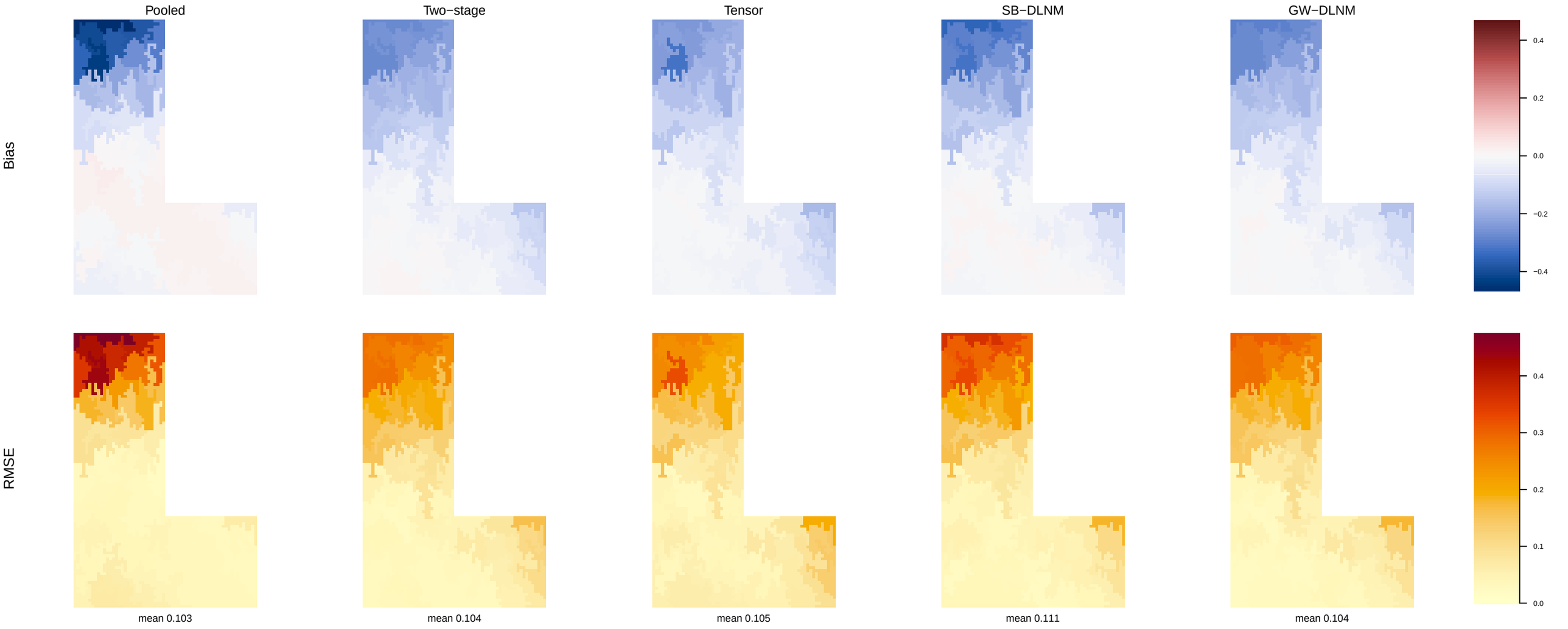
Scenario 131: L−shaped region, 60 counties, equal inequality, regional pattern, spread 0.00, NS gradient, threshold exposure−response, event rate 0.125, RR 1.6, harvest lag



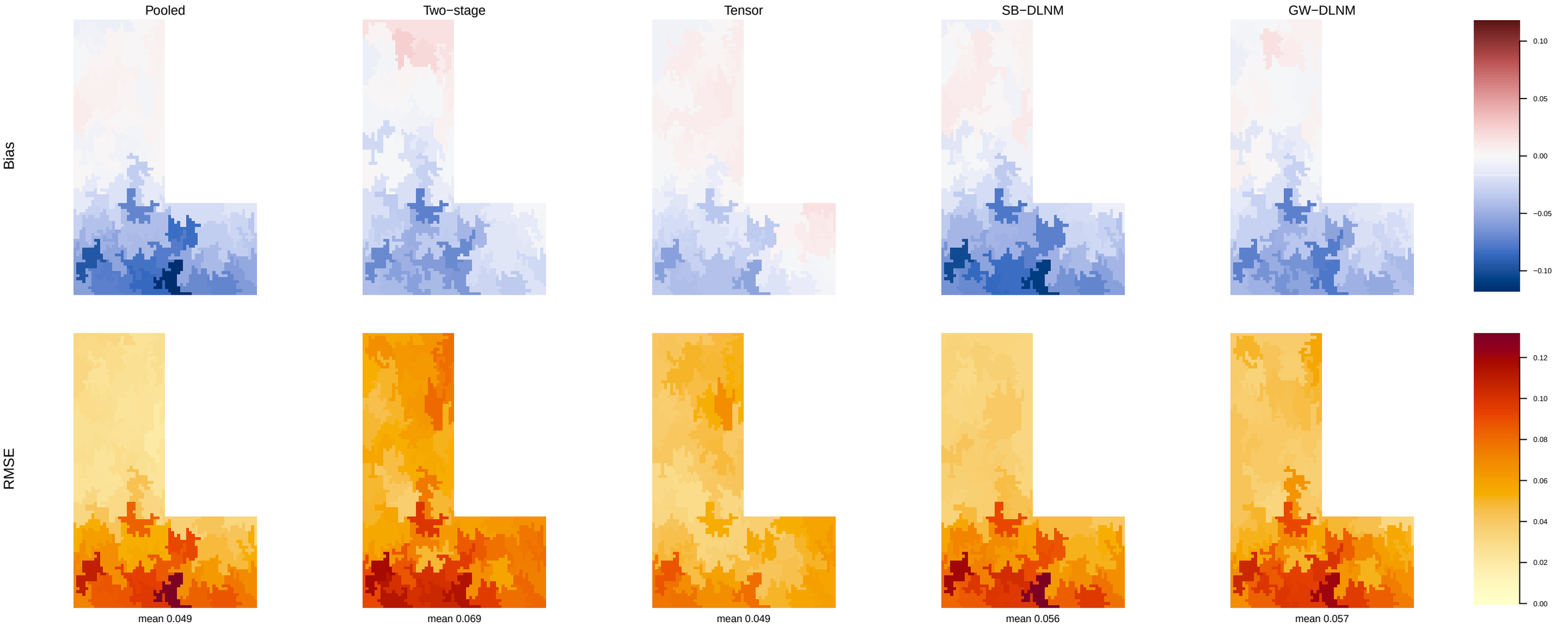
Scenario 195: L−shaped region, 60 counties, equal inequality, boundary pattern, spread 0.00, ridge gradient, threshold exposure−response, event rate 0.5, RR 1.0, delayed lag



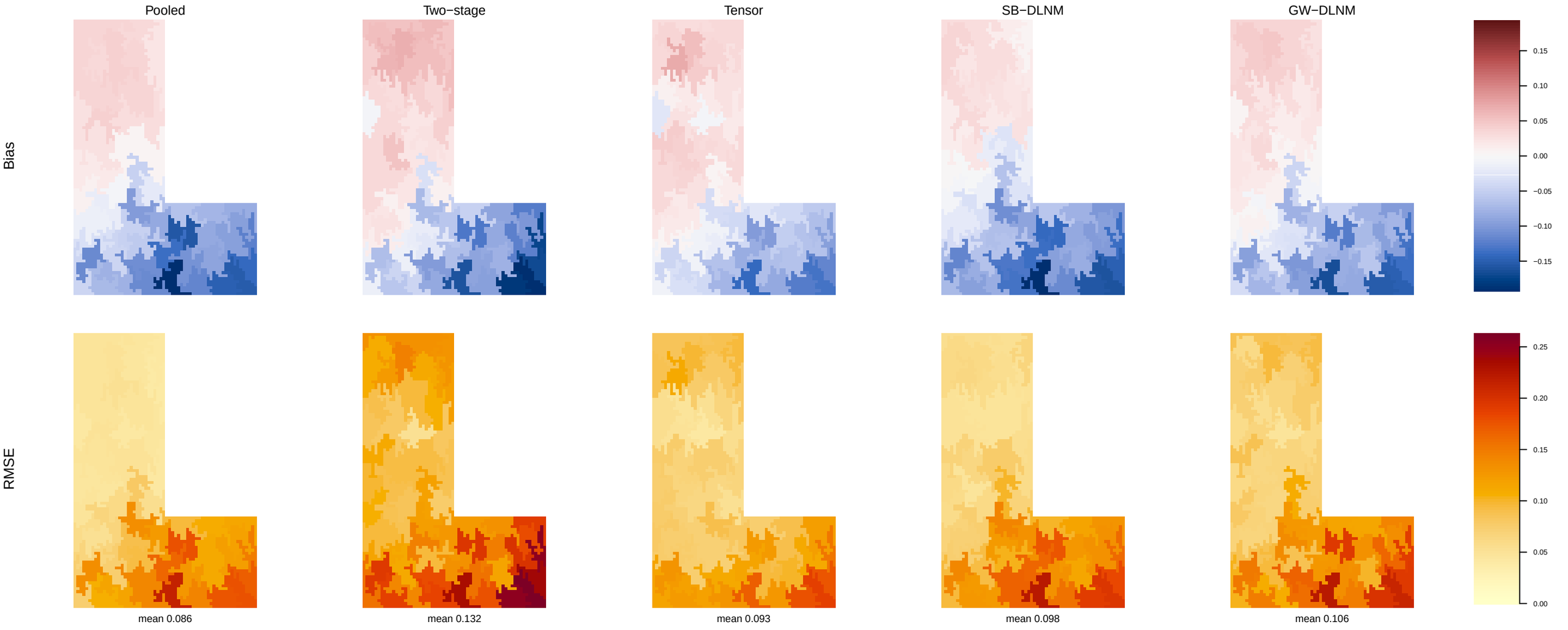
Scenario 3: L−shaped region, 60 counties, equal inequality, independent pattern, spread 0.00, valley gradient, threshold exposure−response, event rate 2, RR 1.4, decay lag



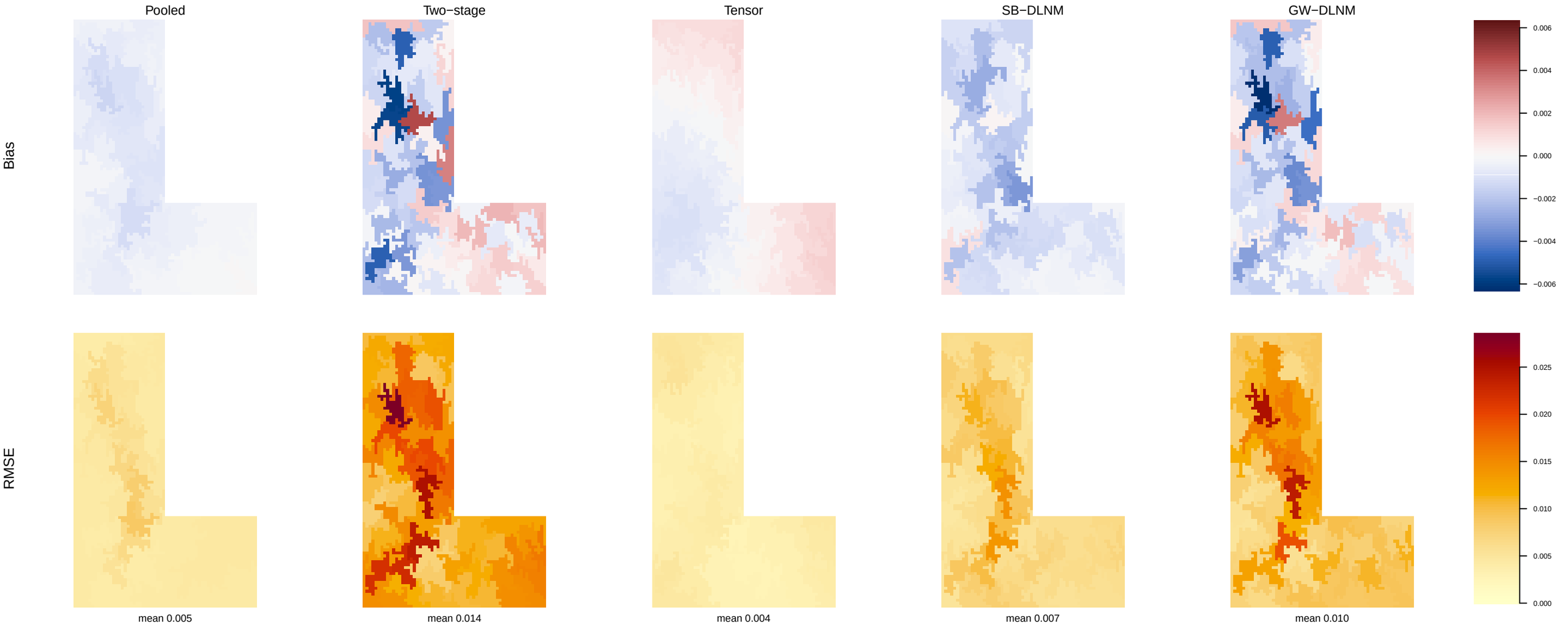
Scenario 323: L−shaped region, 60 counties, equal inequality, local pattern, spread 0.15, edges gradient, unimodal exposure−response, event rate 2, RR 1.6, harvest lag



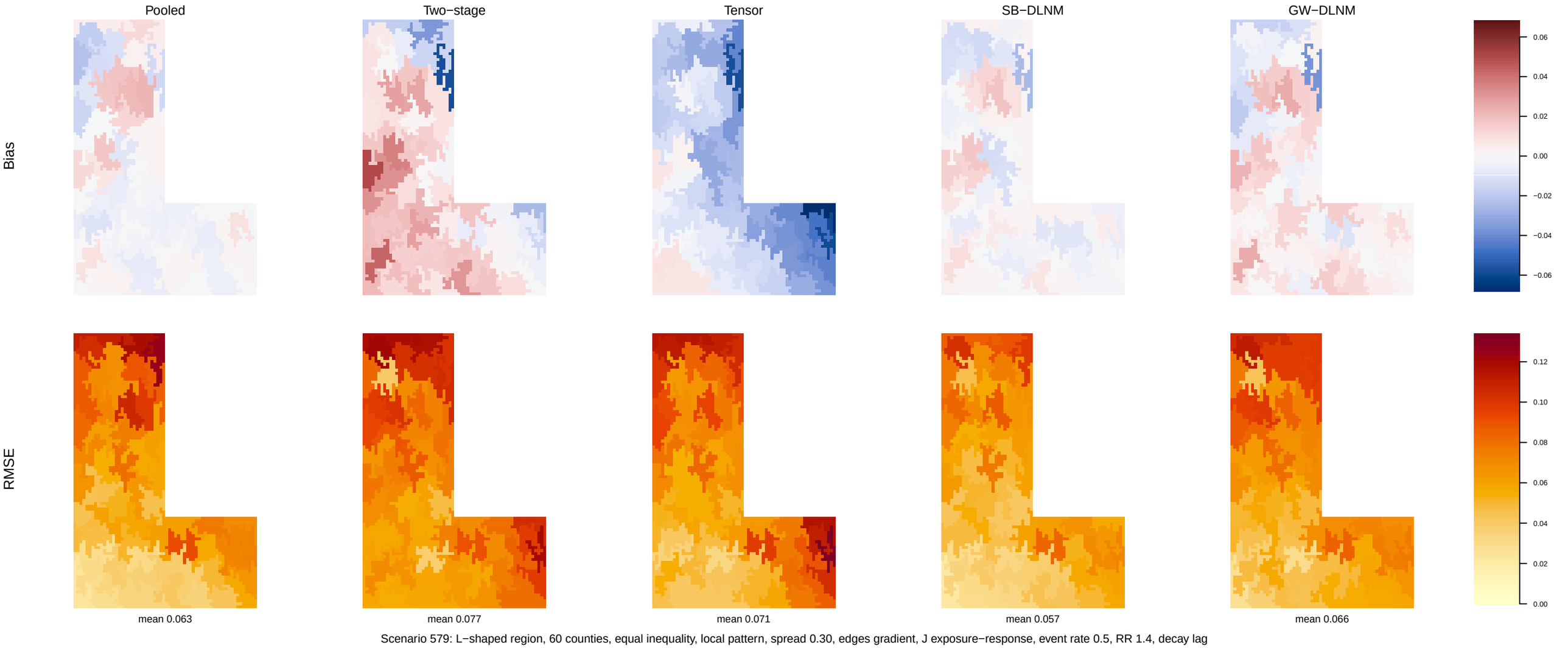
Scenario 387: L−shaped region, 60 counties, equal inequality, regional pattern, spread 0.15, NS gradient, unimodal exposure−response, event rate 0.5, RR 1.2, short lag



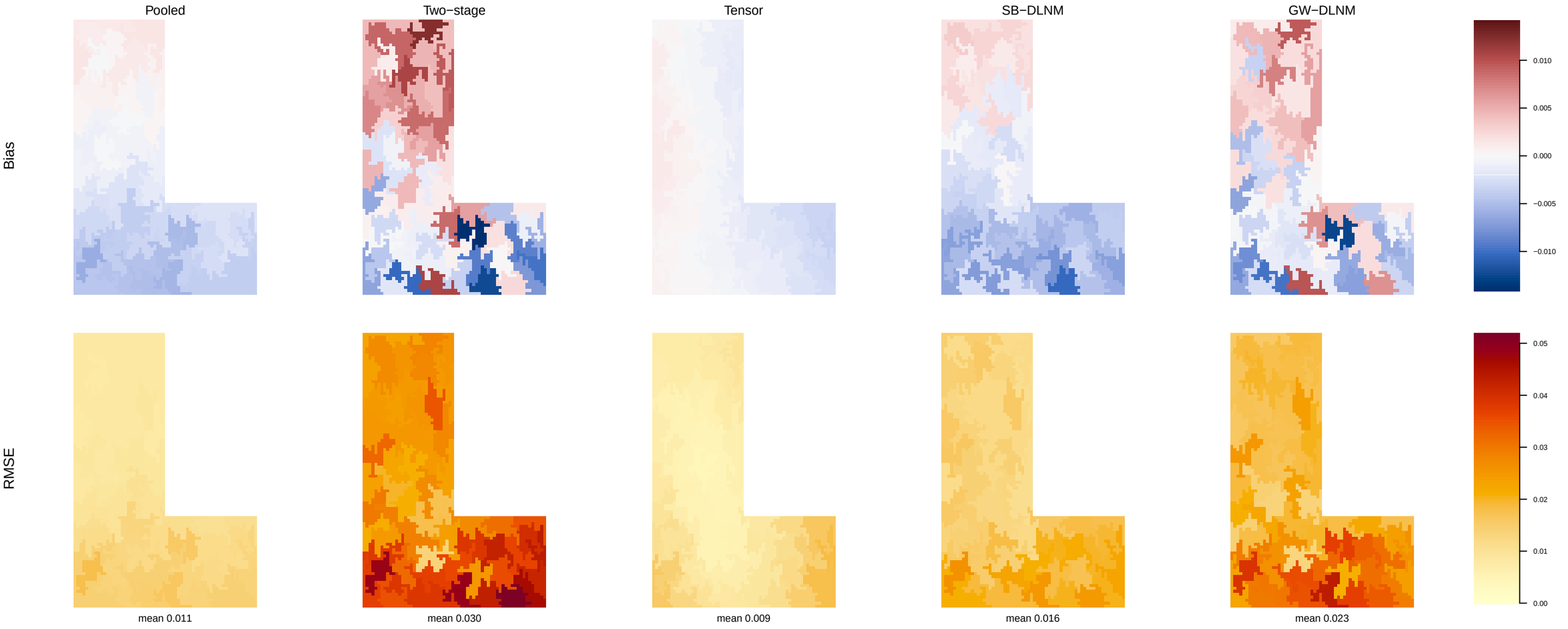
Scenario 451: L−shaped region, 60 counties, equal inequality, boundary pattern, spread 0.15, ridge gradient, unimodal exposure−response, event rate 0.125, RR 1.4, decay lag



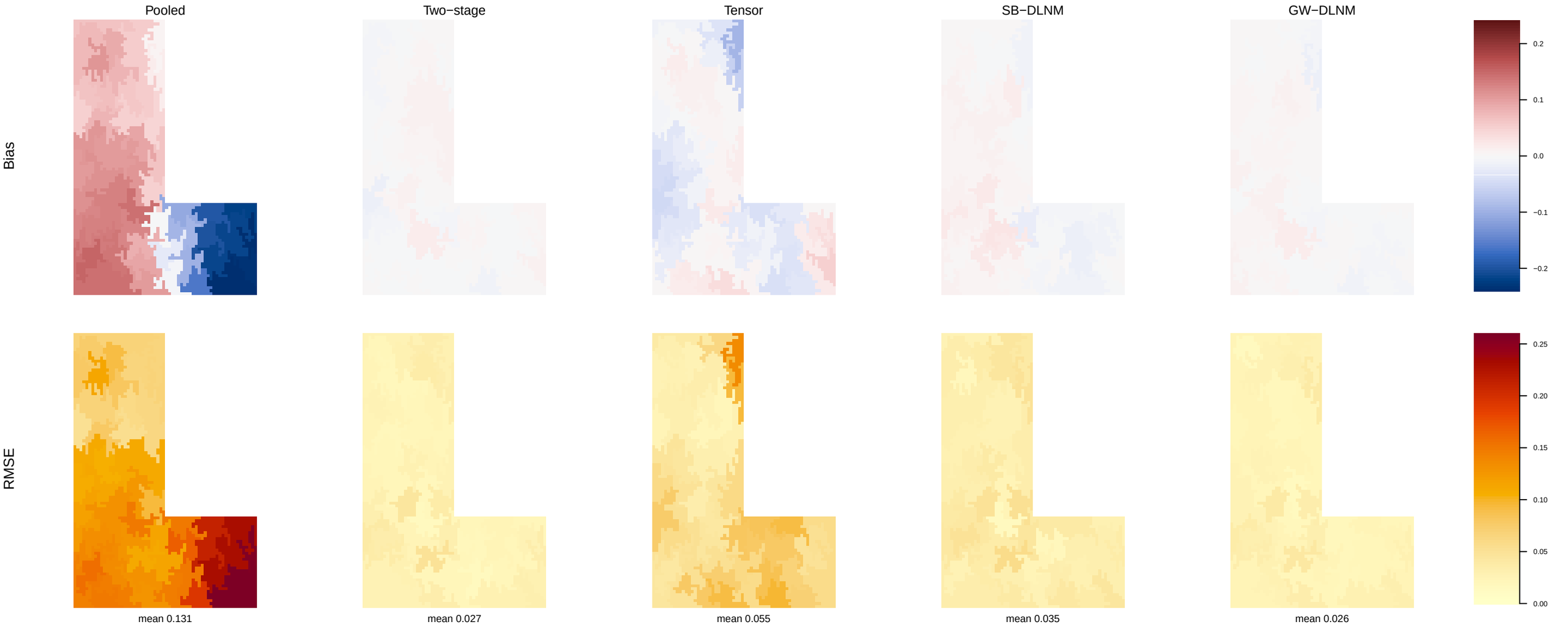
Scenario 259: L−shaped region, 60 counties, equal inequality, independent pattern, spread 0.15, valley gradient, unimodal exposure−response, event rate 8, RR 1.0, delayed lag



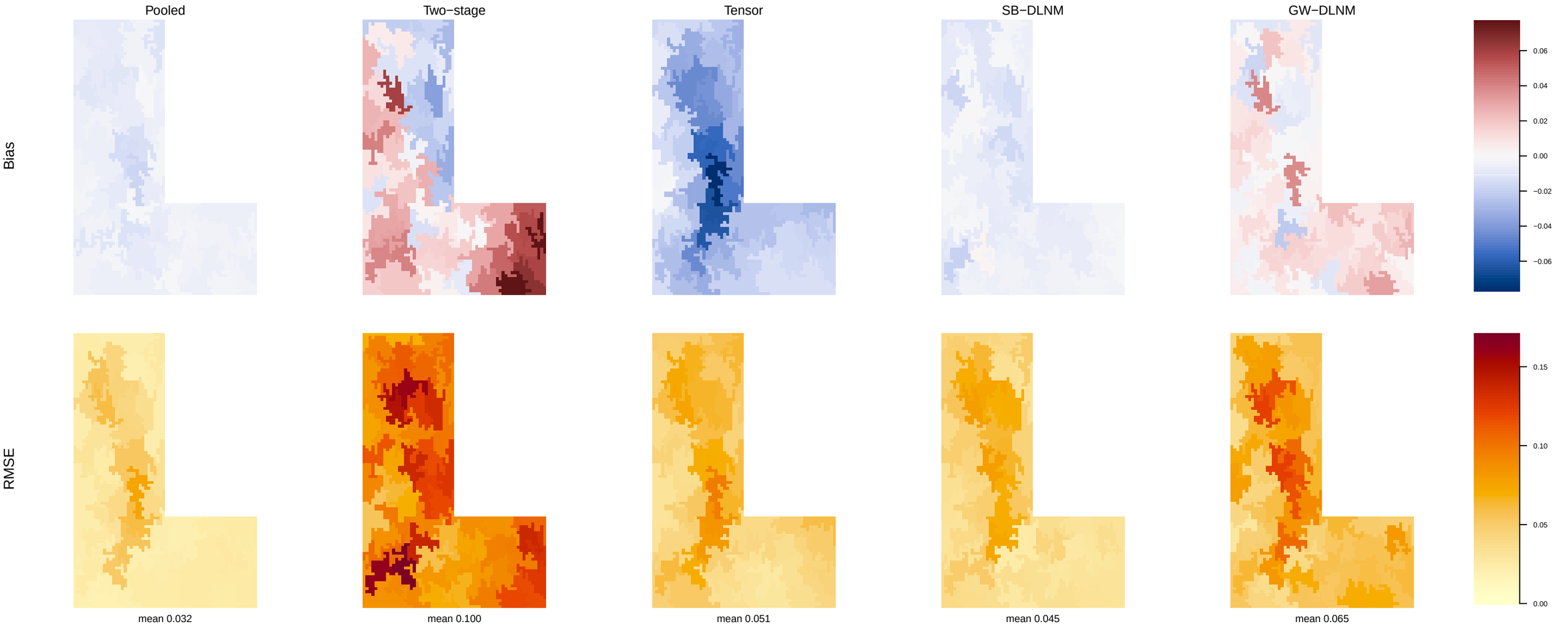
Scenario 579: L−shaped region, 60 counties, equal inequality, local pattern, spread 0.30, edges gradient, J exposure−response, event rate 0.5, RR 1.4, decay lag



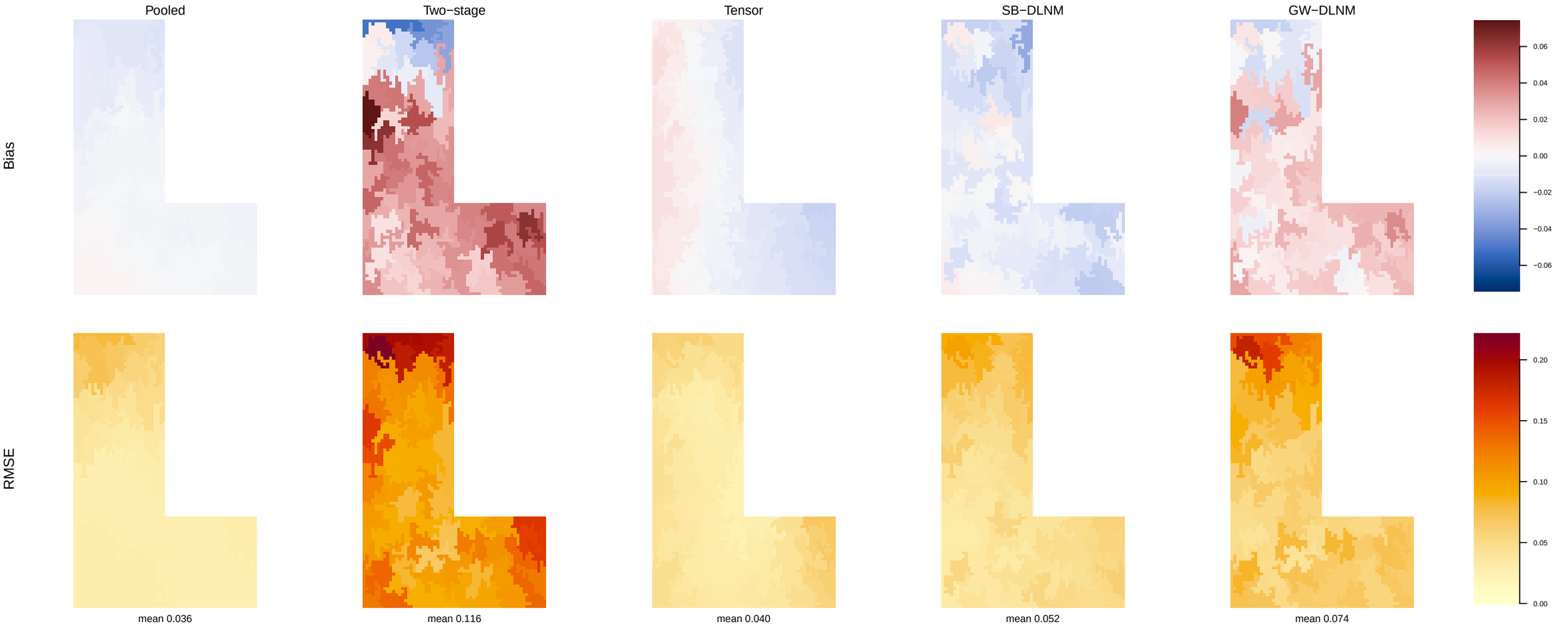
Scenario 643: L−shaped region, 60 counties, equal inequality, regional pattern, spread 0.30, NS gradient, J exposure−response, event rate 2, RR 1.0, delayed lag



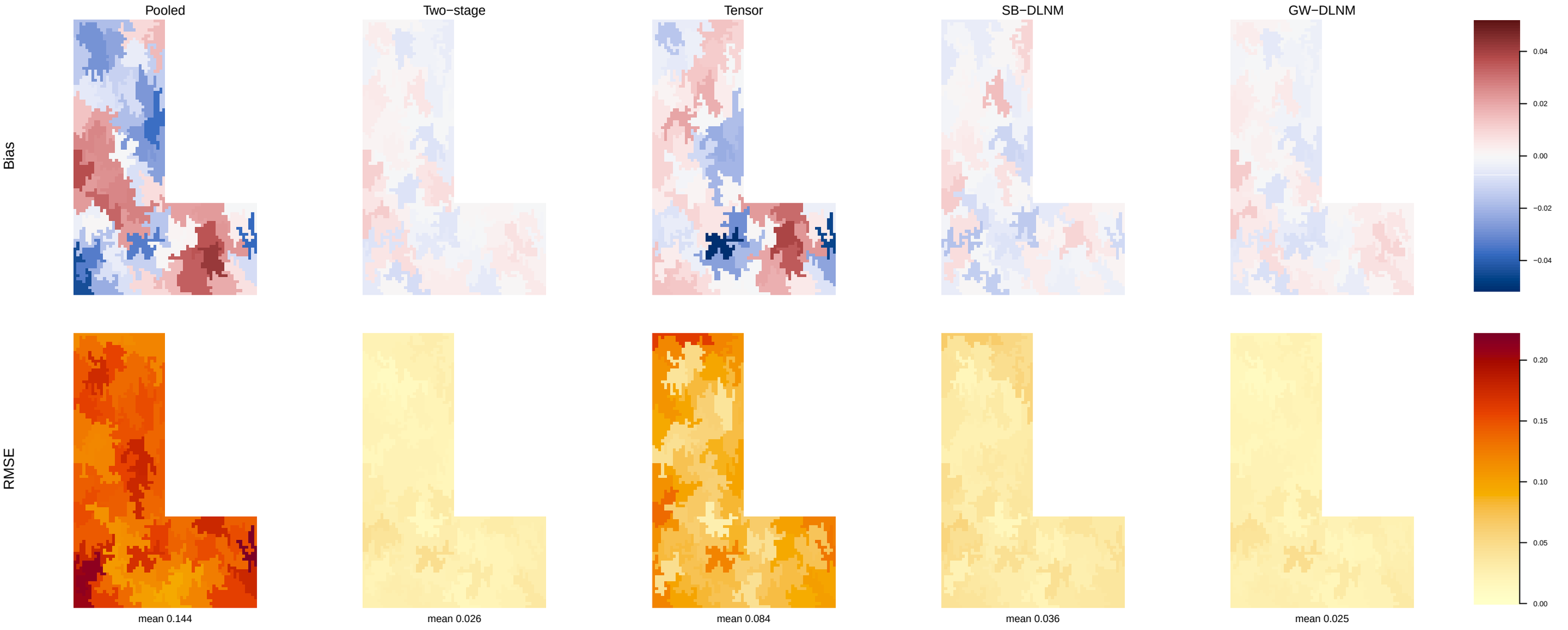
Scenario 707: L−shaped region, 60 counties, equal inequality, boundary pattern, spread 0.30, ridge gradient, J exposure−response, event rate 8, RR 1.6, harvest lag



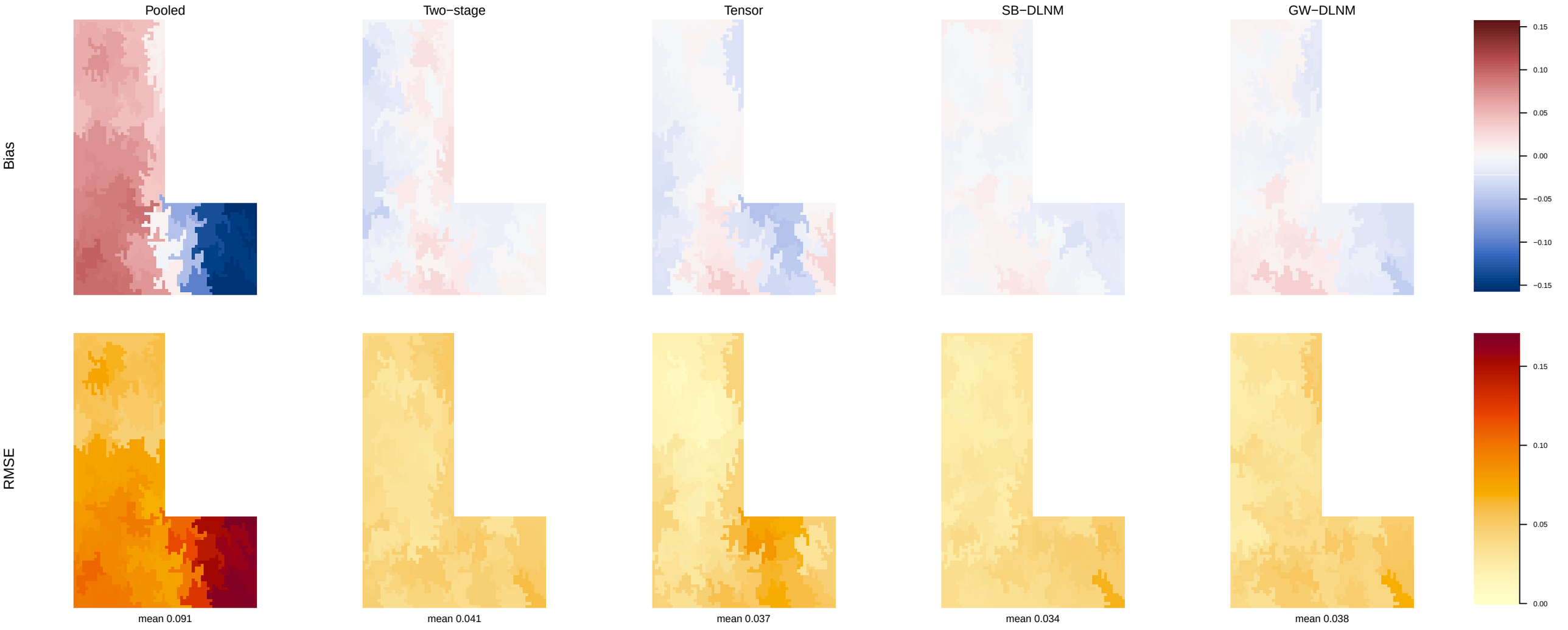
Scenario 515: L−shaped region, 60 counties, equal inequality, independent pattern, spread 0.30, valley gradient, J exposure−response, event rate 0.125, RR 1.2, short lag



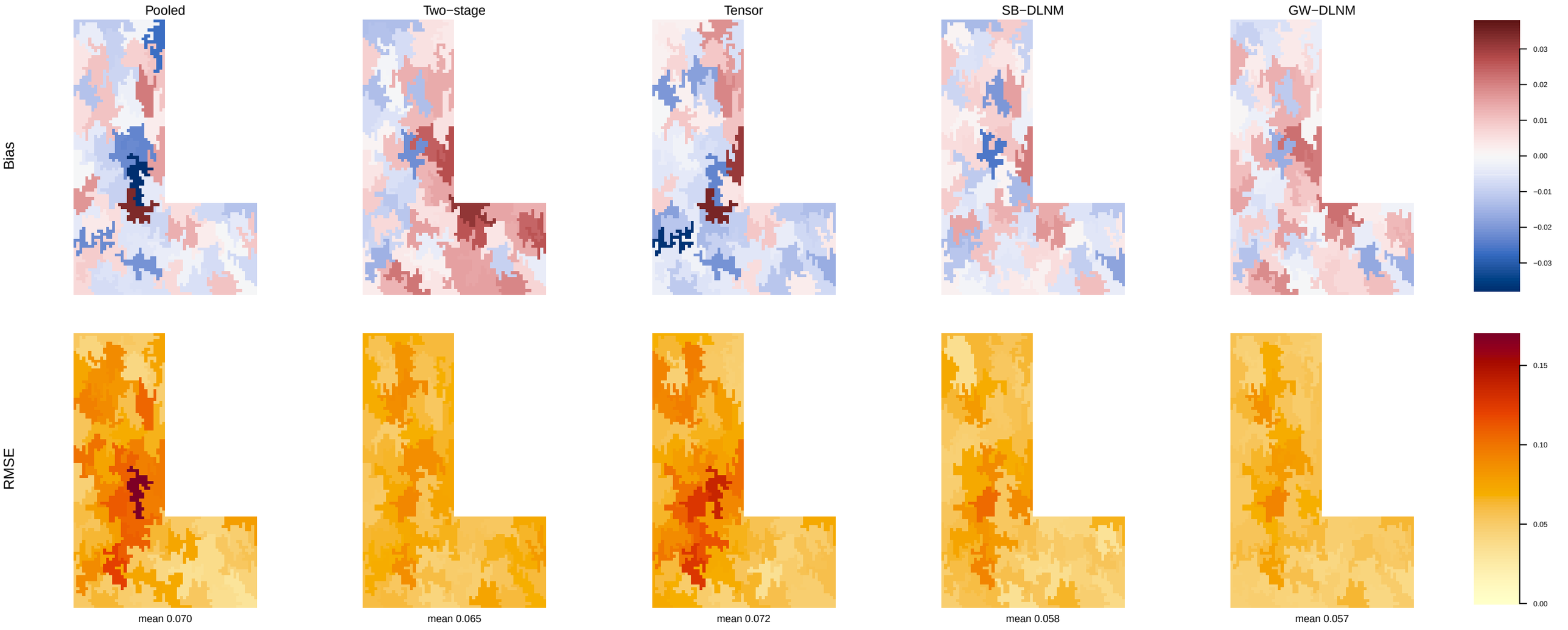
Scenario 835: L−shaped region, 60 counties, equal inequality, local pattern, spread 0.50, edges gradient, linear exposure−response, event rate 0.125, RR 1.0, delayed lag



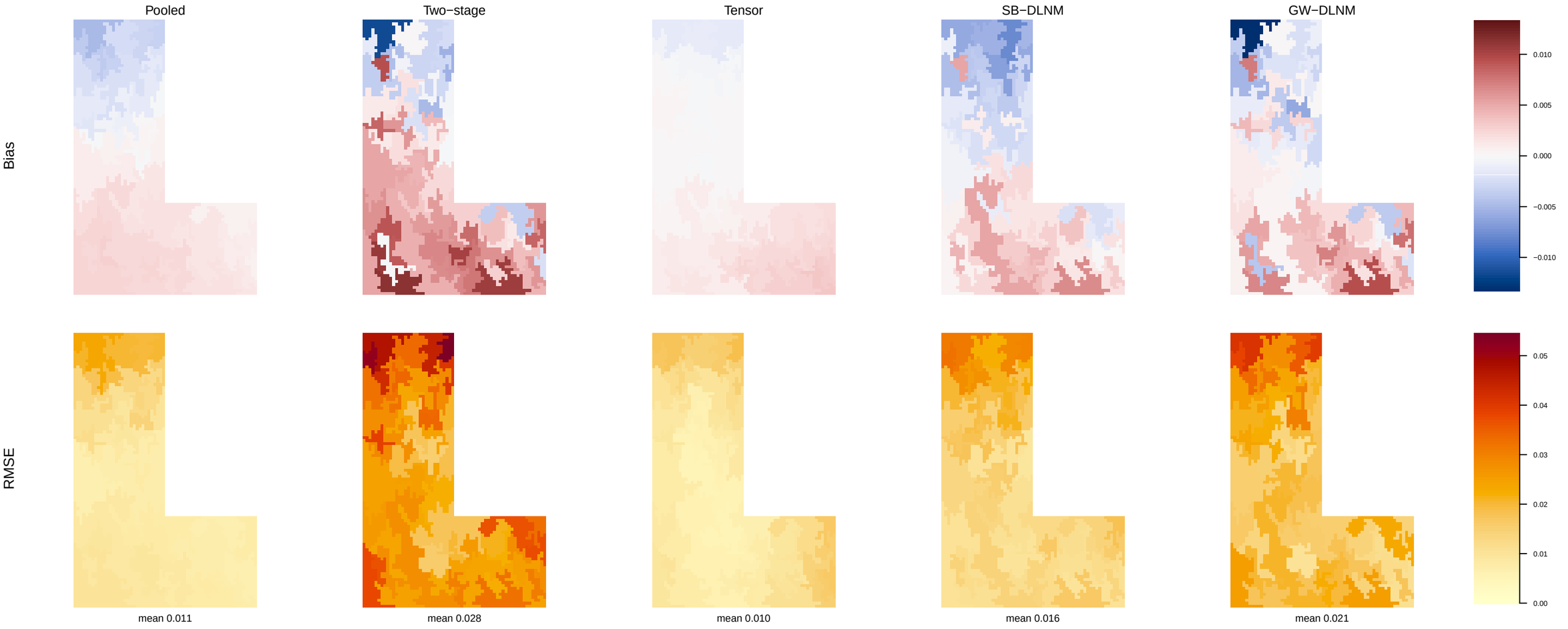
Scenario 899: L−shaped region, 60 counties, equal inequality, regional pattern, spread 0.50, NS gradient, linear exposure−response, event rate 8, RR 1.4, decay lag



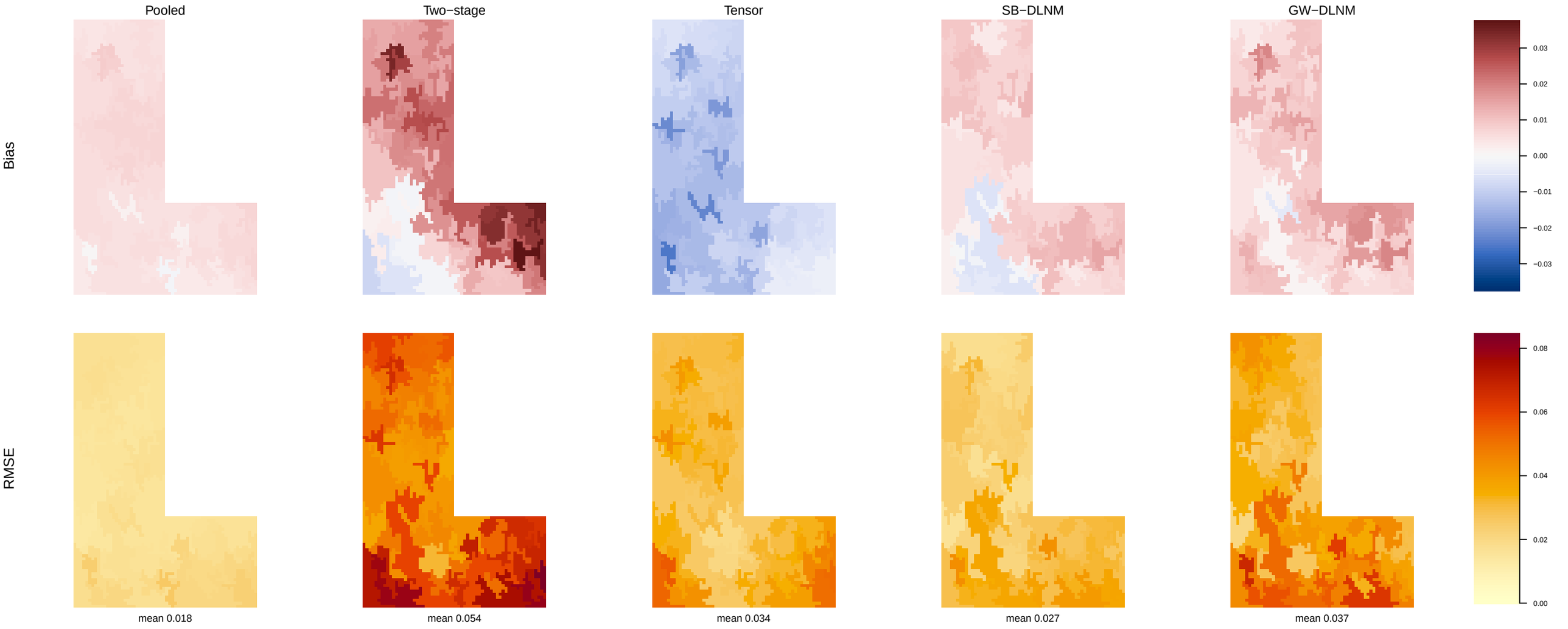
Scenario 963: L−shaped region, 60 counties, equal inequality, boundary pattern, spread 0.50, ridge gradient, linear exposure−response, event rate 2, RR 1.2, short lag



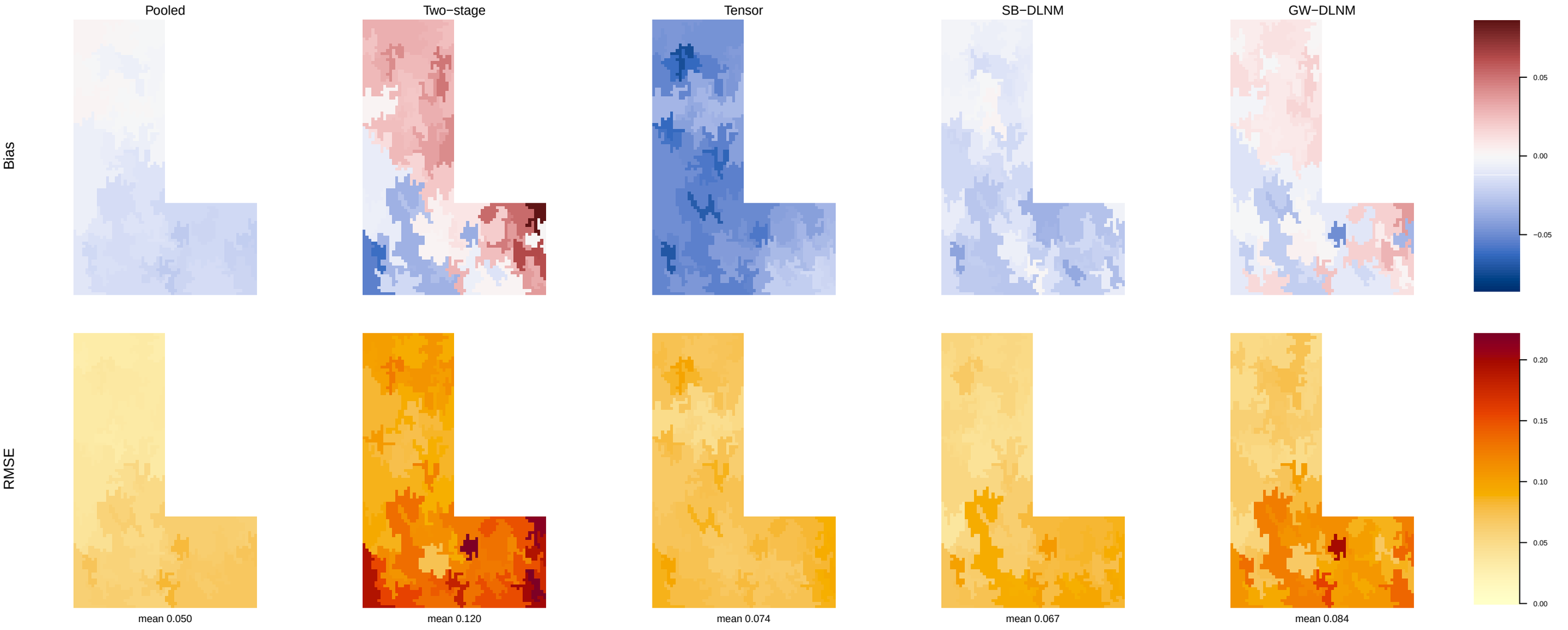
Scenario 771: L−shaped region, 60 counties, equal inequality, independent pattern, spread 0.50, valley gradient, linear exposure−response, event rate 0.5, RR 1.6, harvest lag



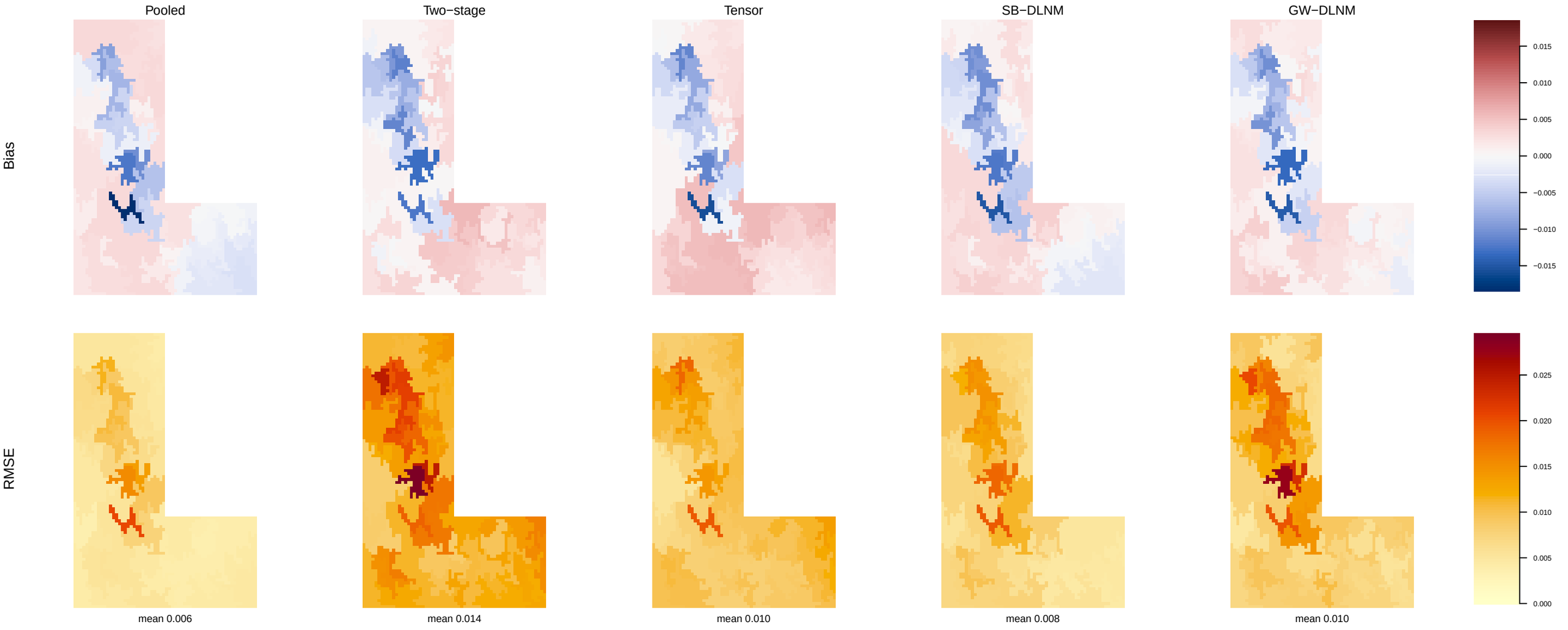
Scenario 227: L−shaped region, 60 counties, moderate inequality, boundary pattern, spread 0.00, edges gradient, J exposure−response, event rate 2, RR 1.0, harvest lag



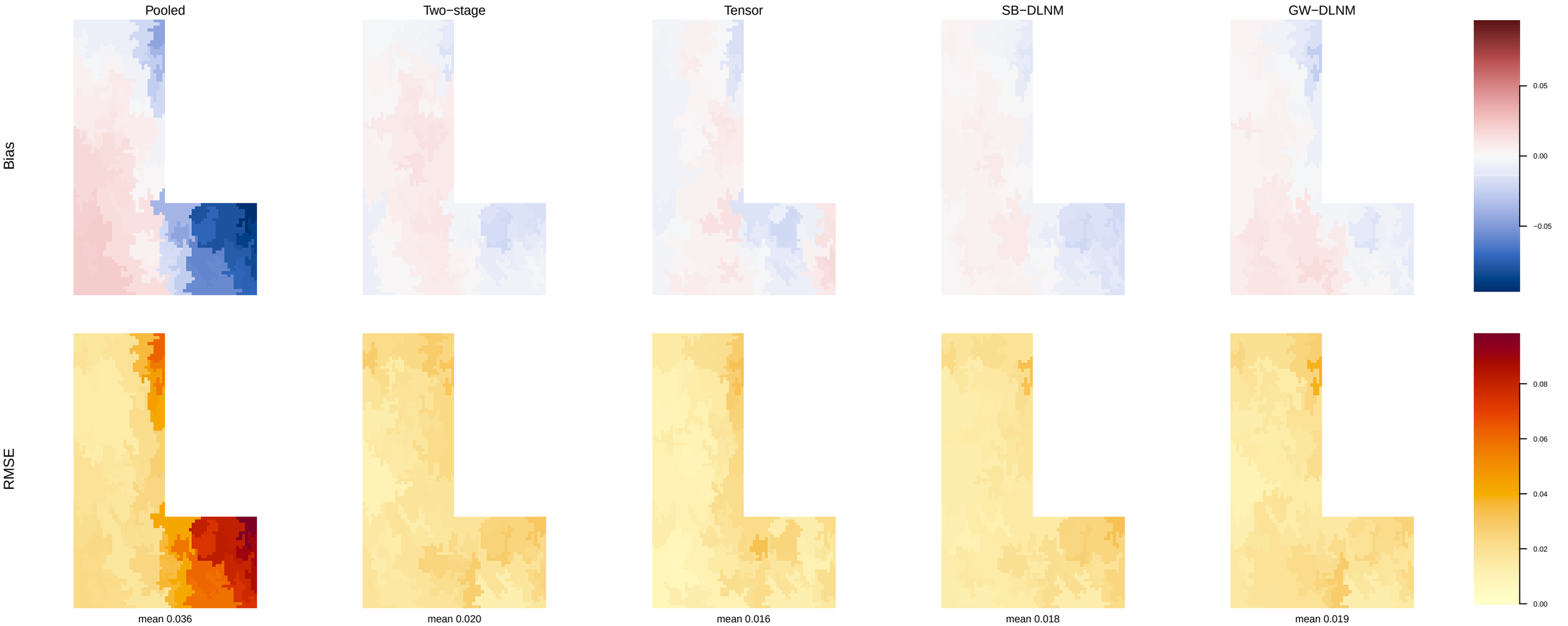
Scenario 35: L−shaped region, 60 counties, moderate inequality, independent pattern, spread 0.00, NS gradient, J exposure−response, event rate 0.5, RR 1.4, short lag



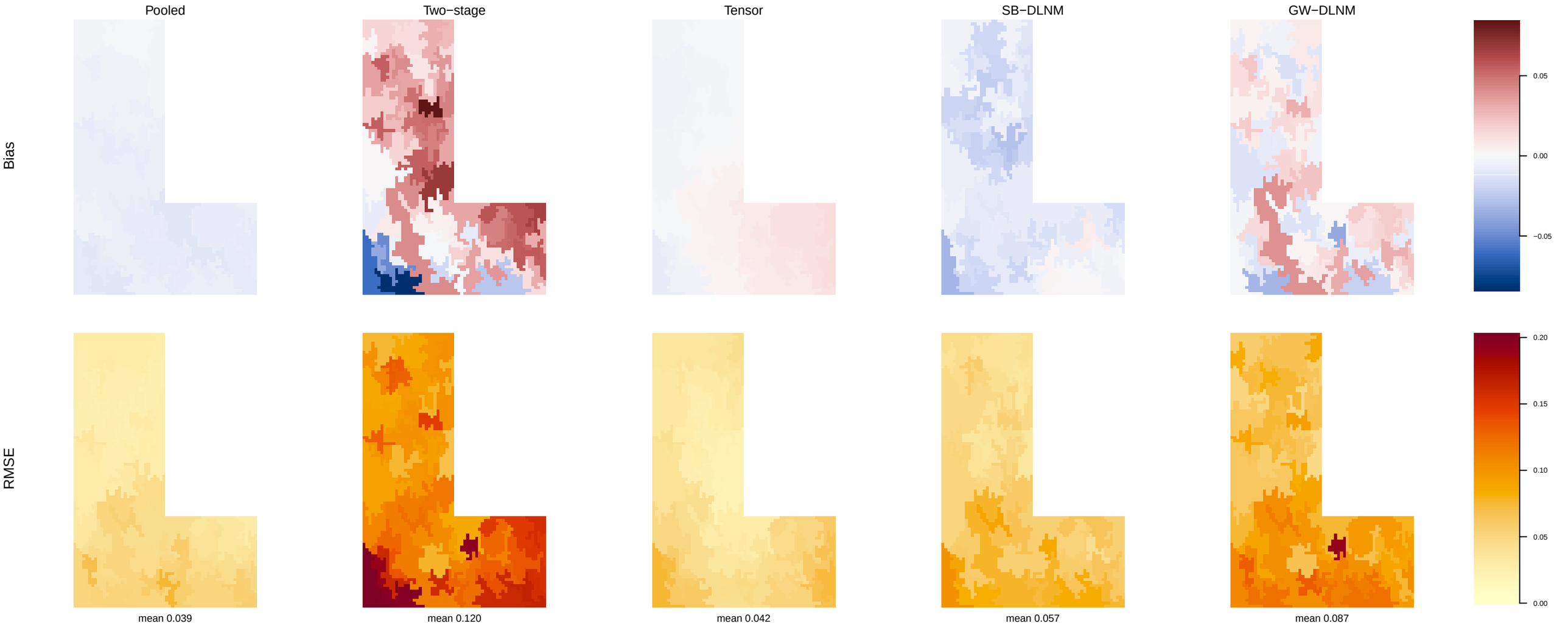
Scenario 99: L−shaped region, 60 counties, moderate inequality, local pattern, spread 0.00, ridge gradient, J exposure−response, event rate 0.125, RR 1.2, decay lag



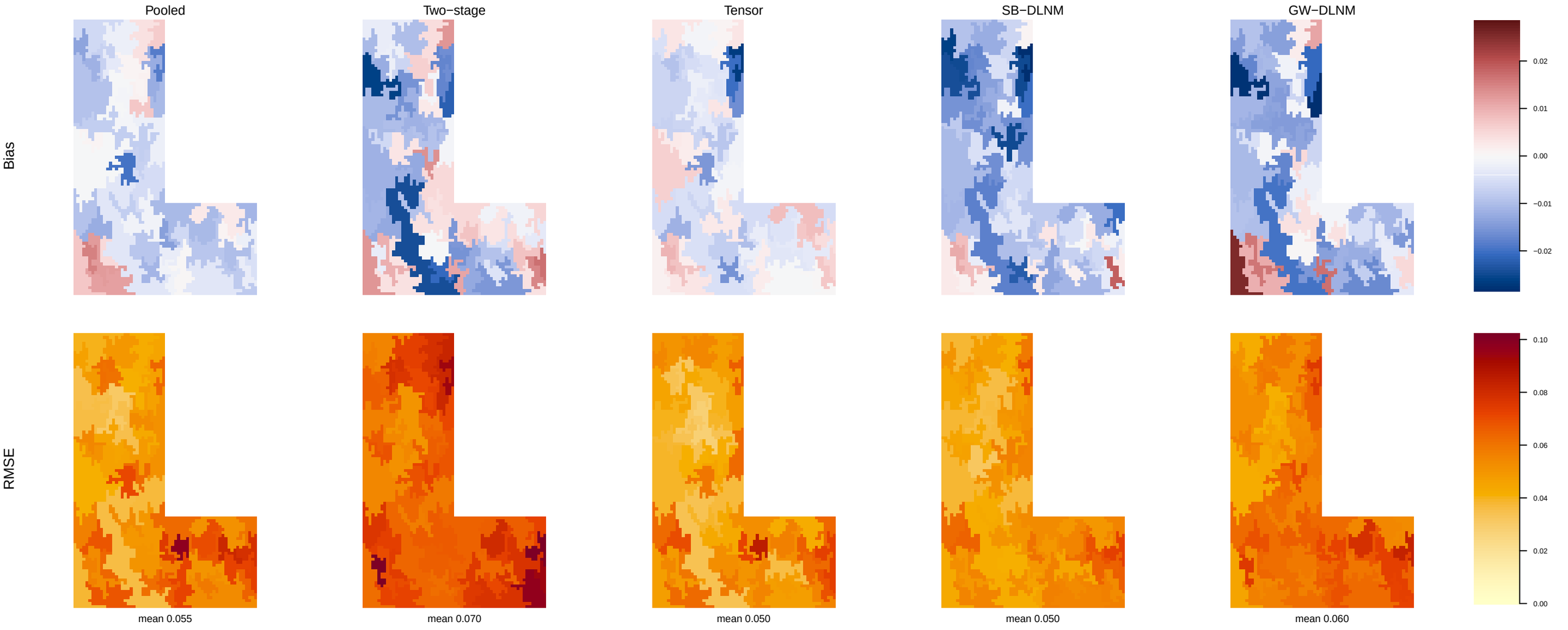
Scenario 163: L−shaped region, 60 counties, moderate inequality, regional pattern, spread 0.00, valley gradient, J exposure−response, event rate 8, RR 1.6, delayed lag



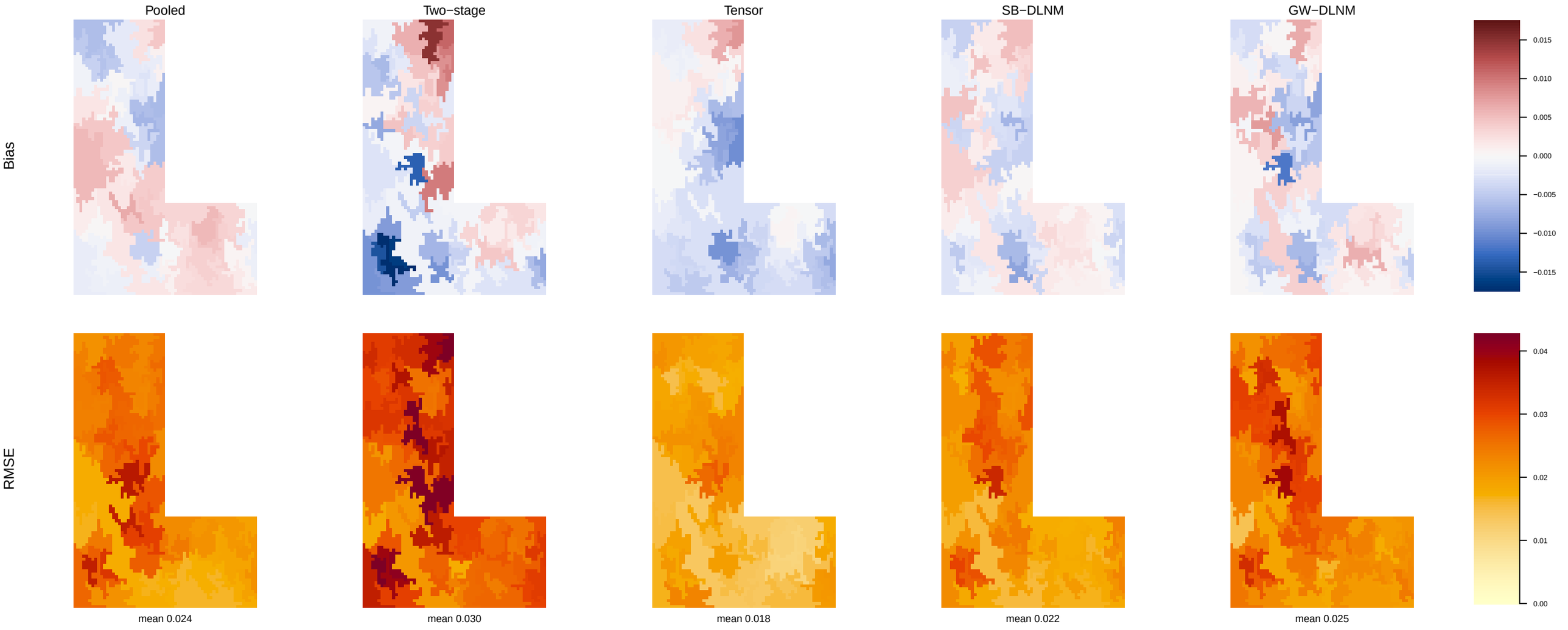
Scenario 483: L−shaped region, 60 counties, moderate inequality, boundary pattern, spread 0.15, edges gradient, linear exposure−response, event rate 8, RR 1.4, short lag



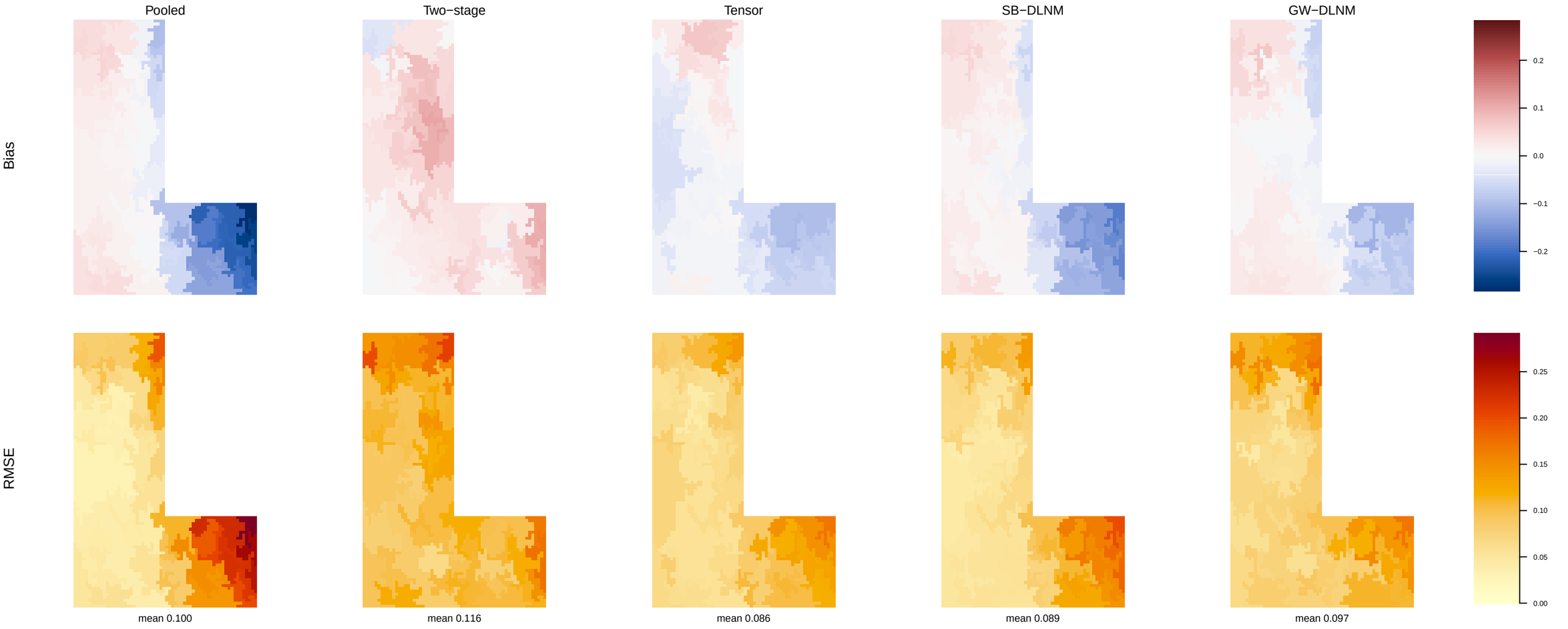
Scenario 291: L−shaped region, 60 counties, moderate inequality, independent pattern, spread 0.15, NS gradient, linear exposure−response, event rate 0.125, RR 1.0, harvest lag



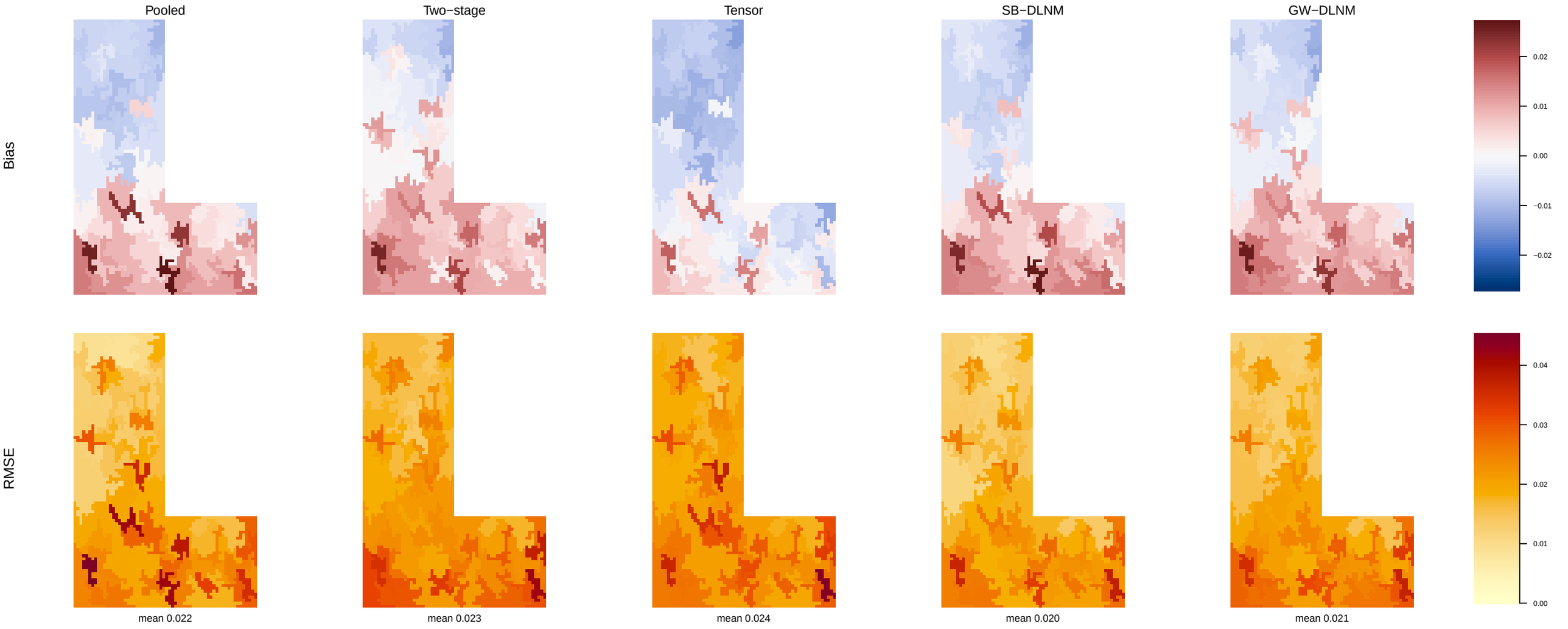
Scenario 355: L−shaped region, 60 counties, moderate inequality, local pattern, spread 0.15, ridge gradient, linear exposure−response, event rate 0.5, RR 1.6, delayed lag



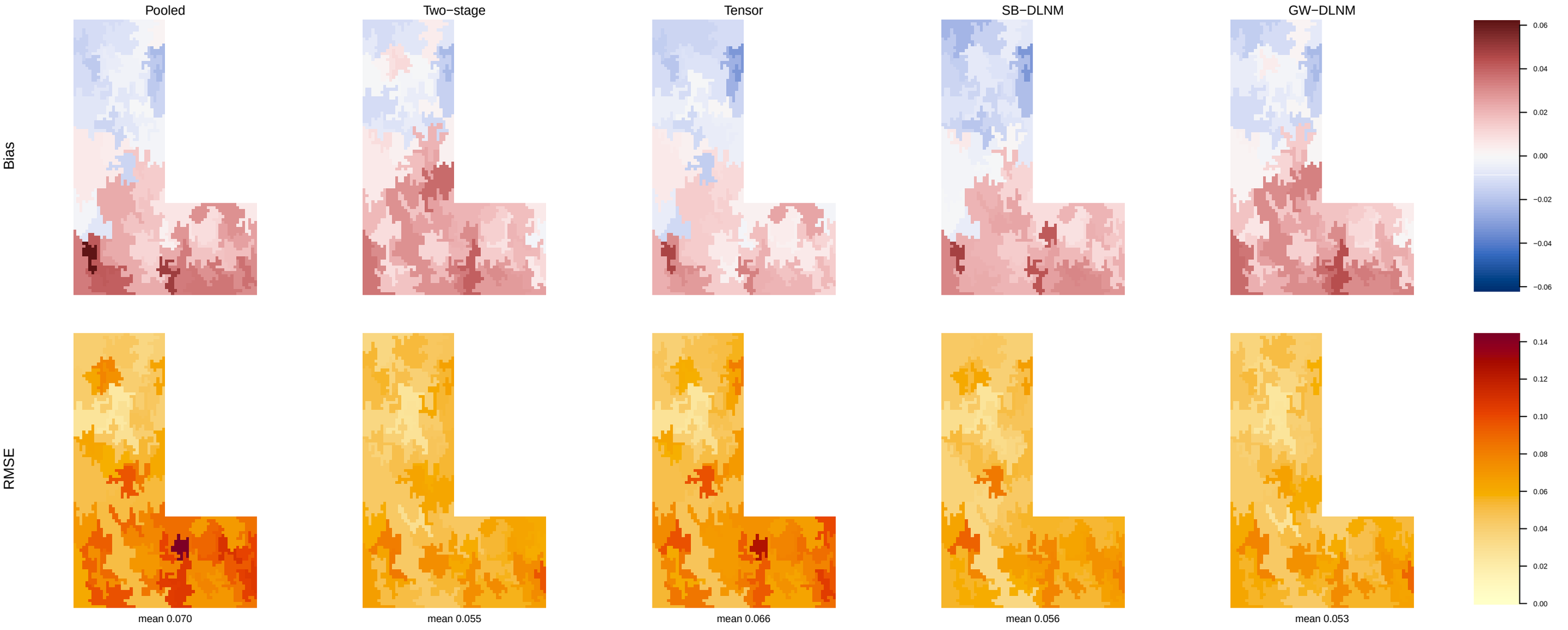
Scenario 419: L−shaped region, 60 counties, moderate inequality, regional pattern, spread 0.15, valley gradient, linear exposure−response, event rate 2, RR 1.2, decay lag



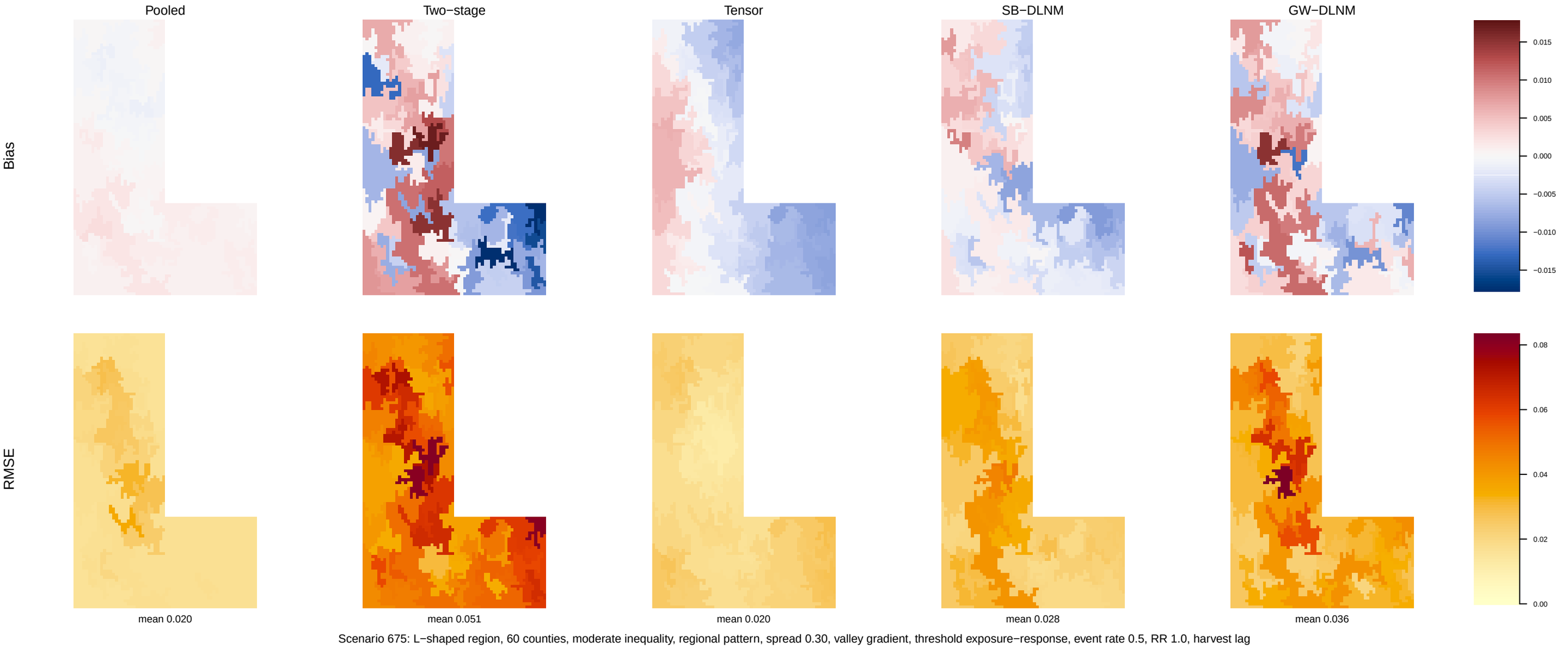
Scenario 739: L−shaped region, 60 counties, moderate inequality, boundary pattern, spread 0.30, edges gradient, threshold exposure−response, event rate 0.125, RR 1.6, delayed lag



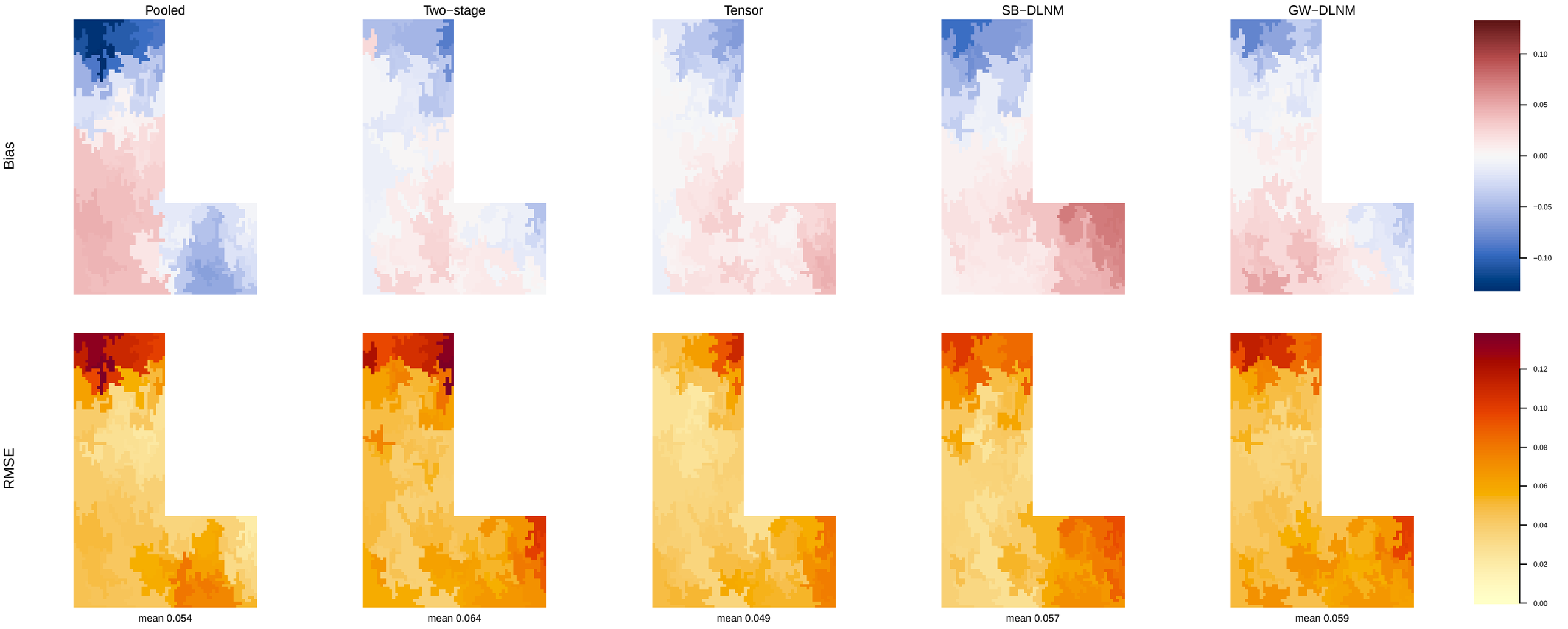
Scenario 547: L−shaped region, 60 counties, moderate inequality, independent pattern, spread 0.30, NS gradient, threshold exposure−response, event rate 8, RR 1.2, decay lag



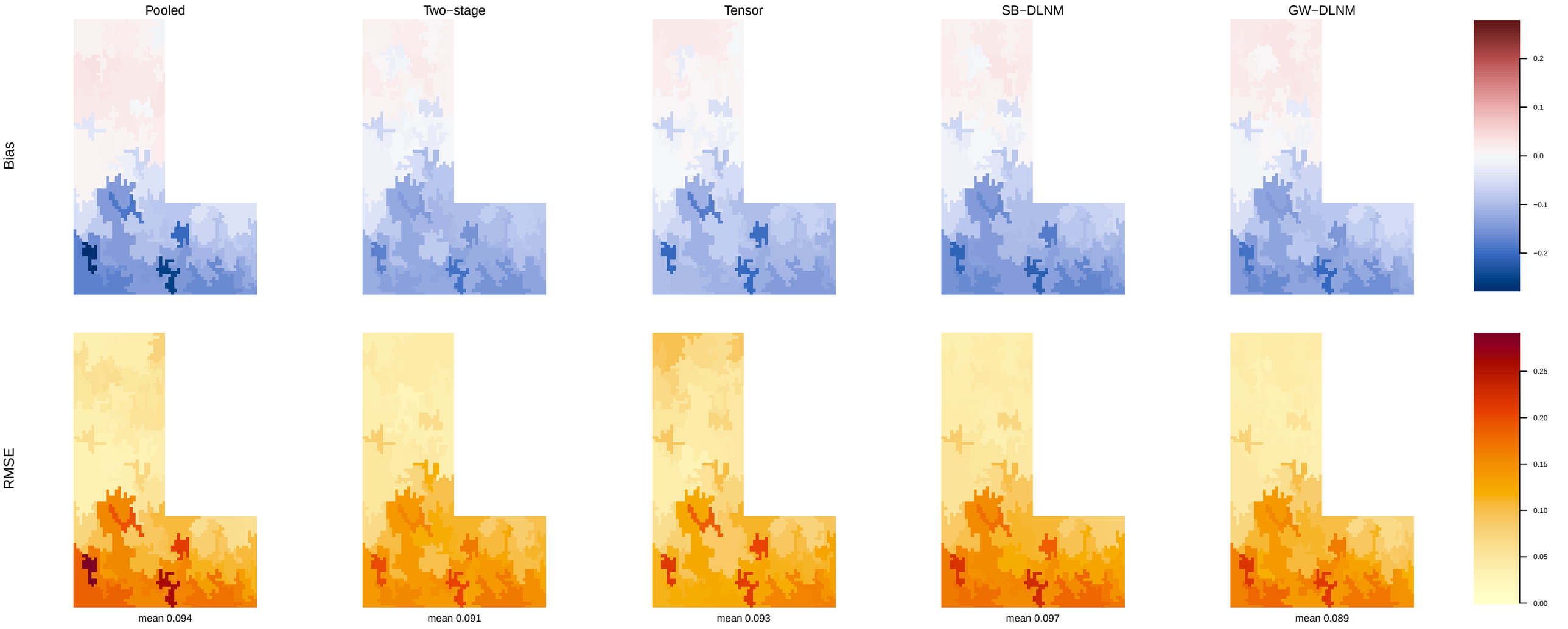
Scenario 611: L−shaped region, 60 counties, moderate inequality, local pattern, spread 0.30, ridge gradient, threshold exposure−response, event rate 2, RR 1.4, short lag



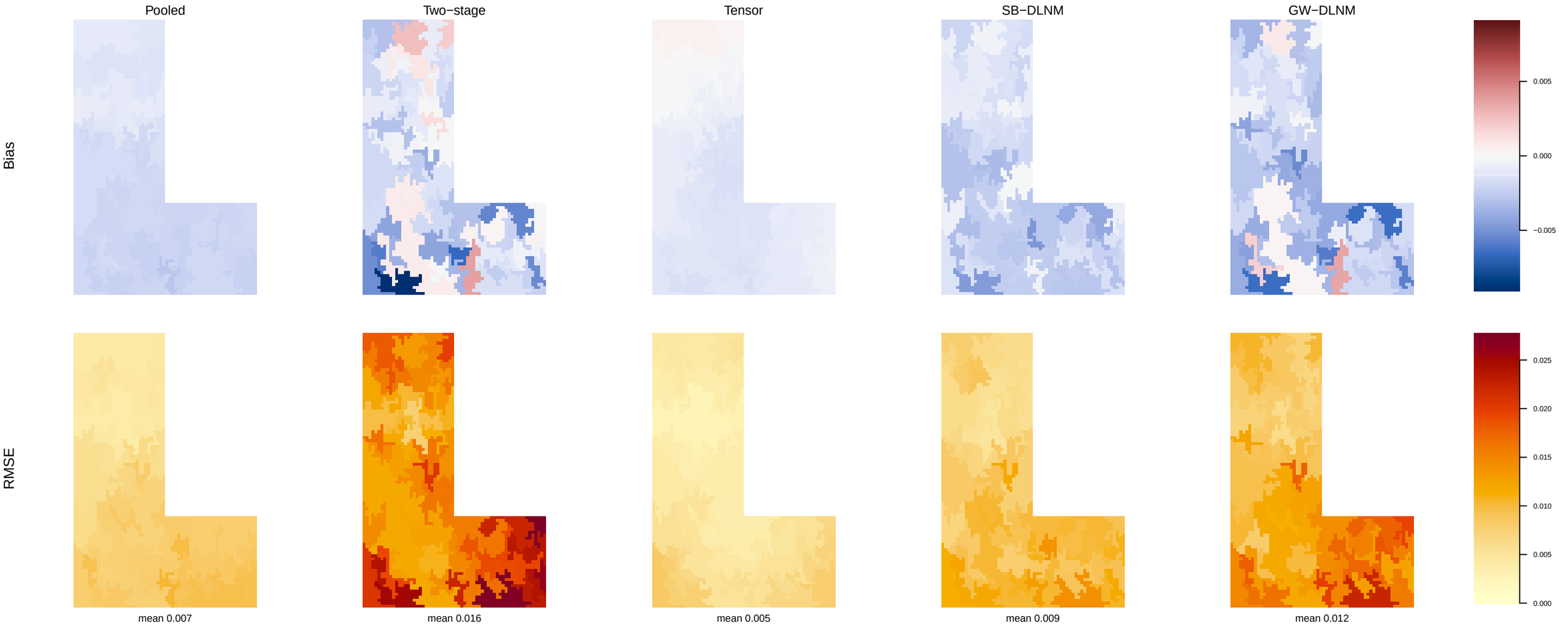
Scenario 675: L−shaped region, 60 counties, moderate inequality, regional pattern, spread 0.30, valley gradient, threshold exposure−response, event rate 0.5, RR 1.0, harvest lag



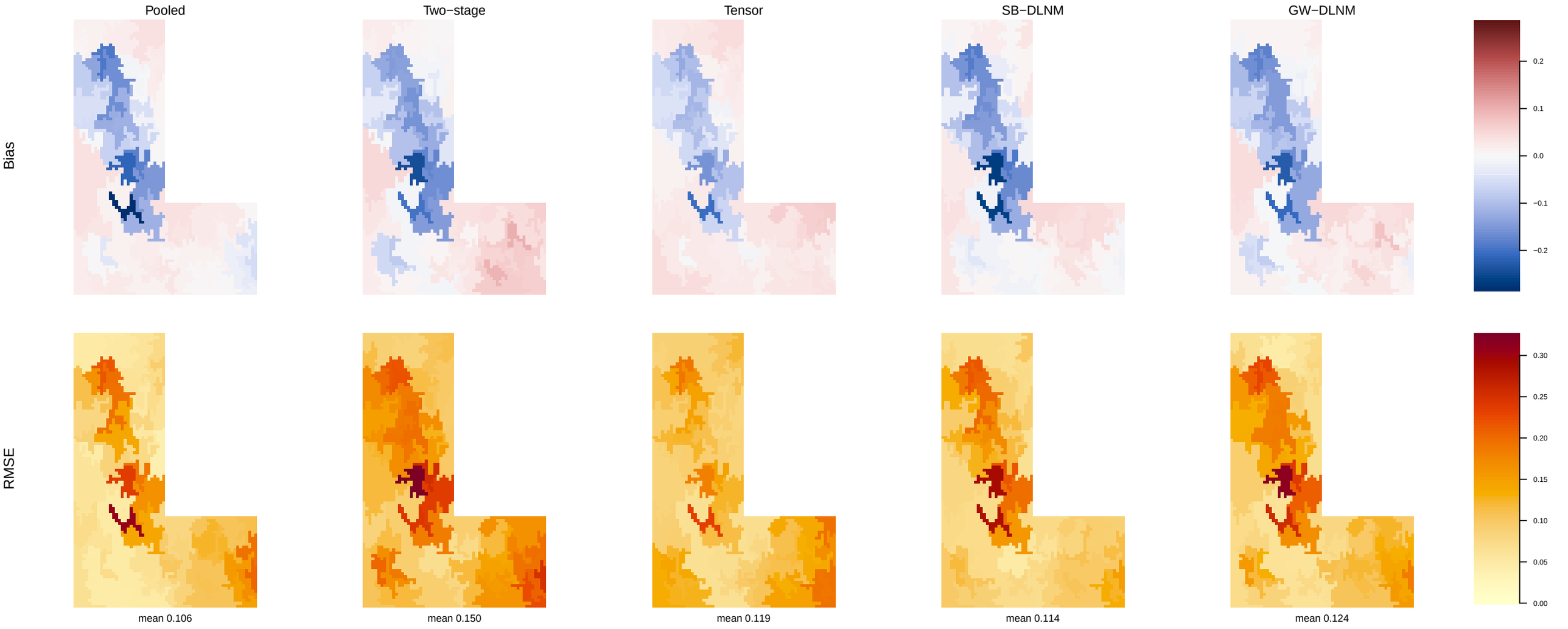
Scenario 995: L−shaped region, 60 counties, moderate inequality, boundary pattern, spread 0.50, edges gradient, unimodal exposure−response, event rate 0.5, RR 1.2, decay lag



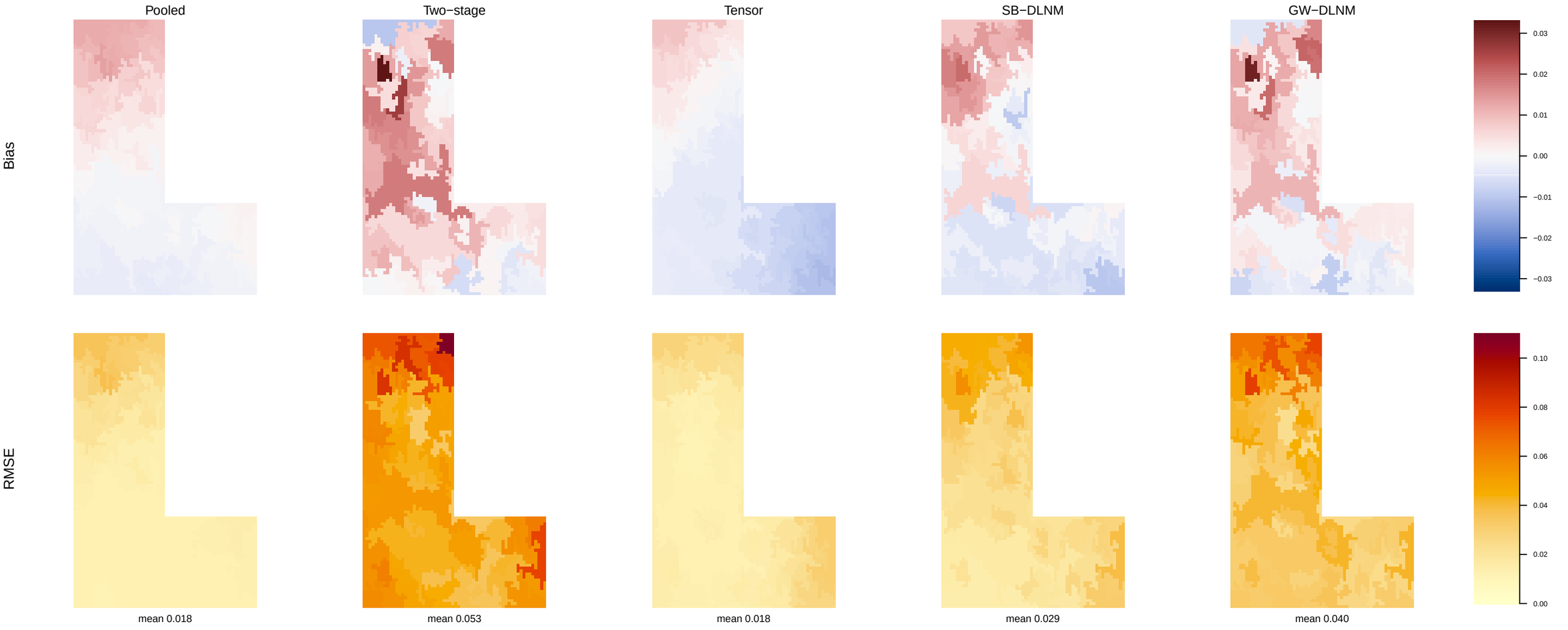
Scenario 803: L−shaped region, 60 counties, moderate inequality, independent pattern, spread 0.50, NS gradient, unimodal exposure−response, event rate 2, RR 1.6, delayed lag



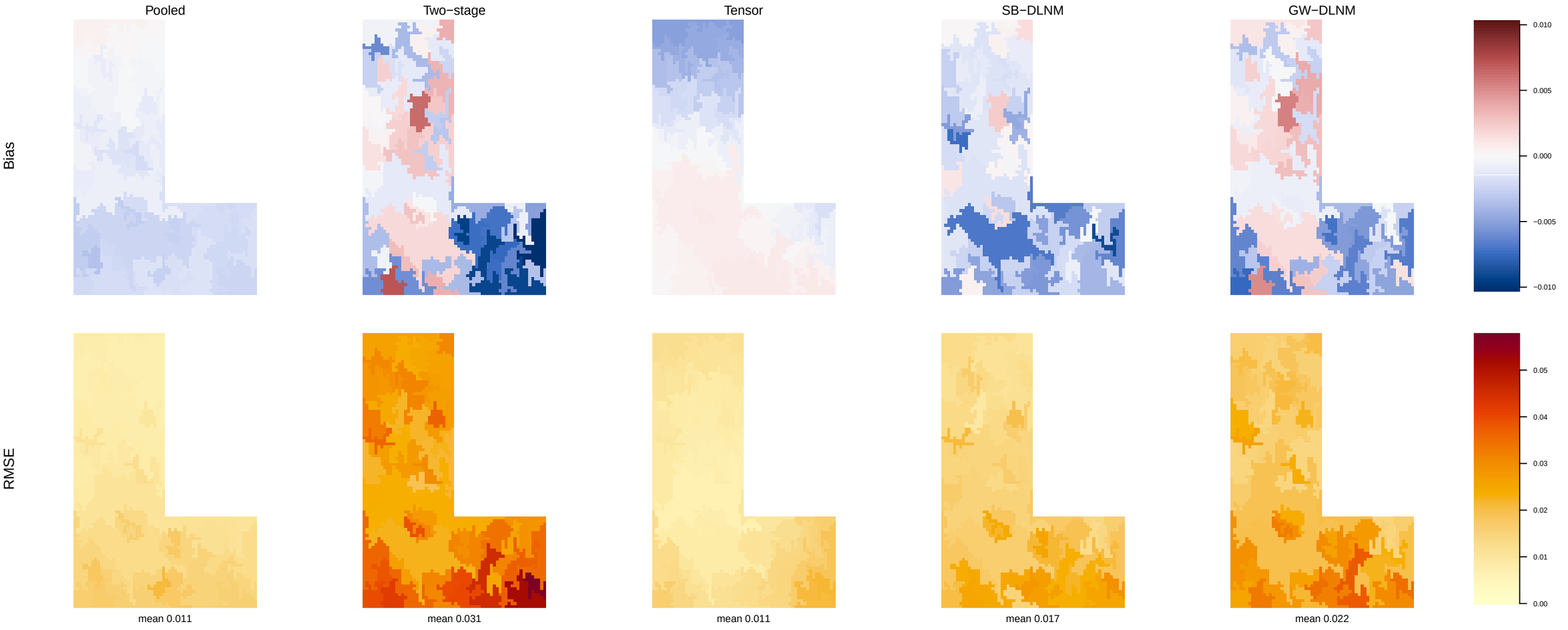
Scenario 867: L−shaped region, 60 counties, moderate inequality, local pattern, spread 0.50, ridge gradient, unimodal exposure−response, event rate 8, RR 1.0, harvest lag



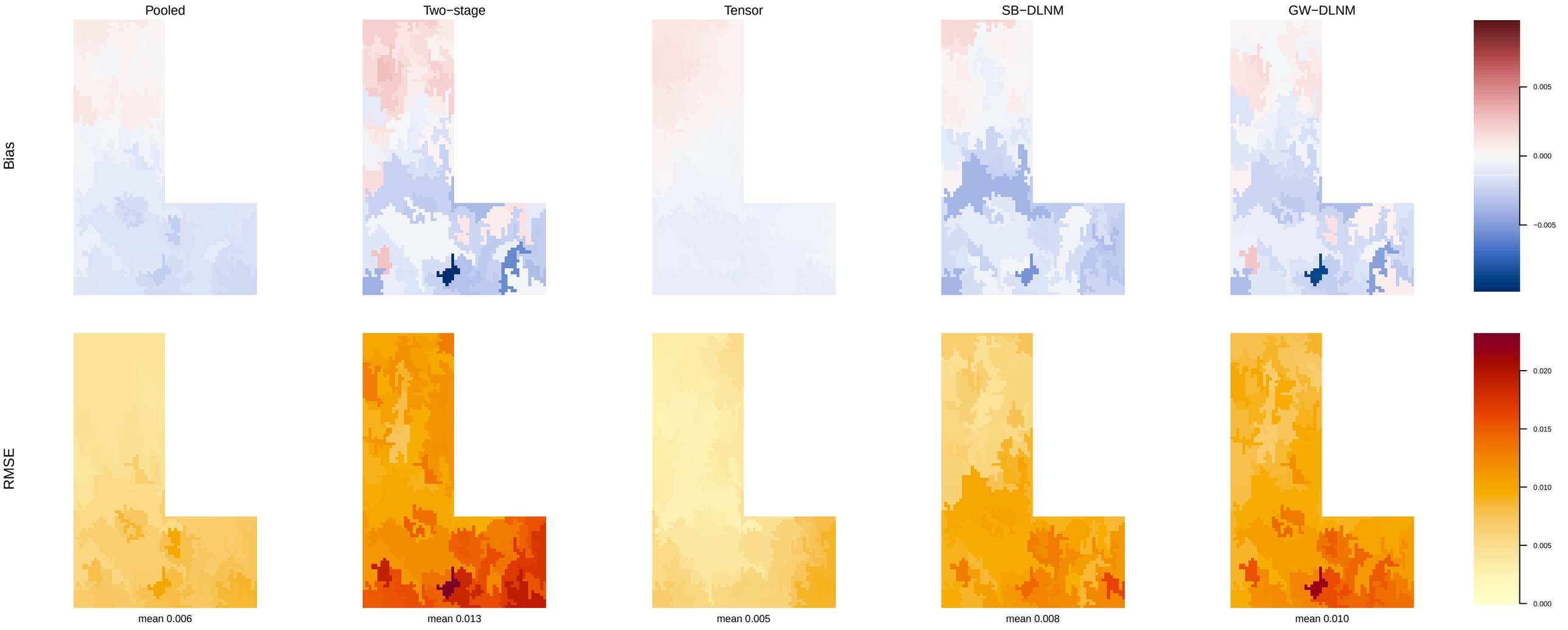
Scenario 931: L−shaped region, 60 counties, moderate inequality, regional pattern, spread 0.50, valley gradient, unimodal exposure−response, event rate 0.125, RR 1.4, short lag



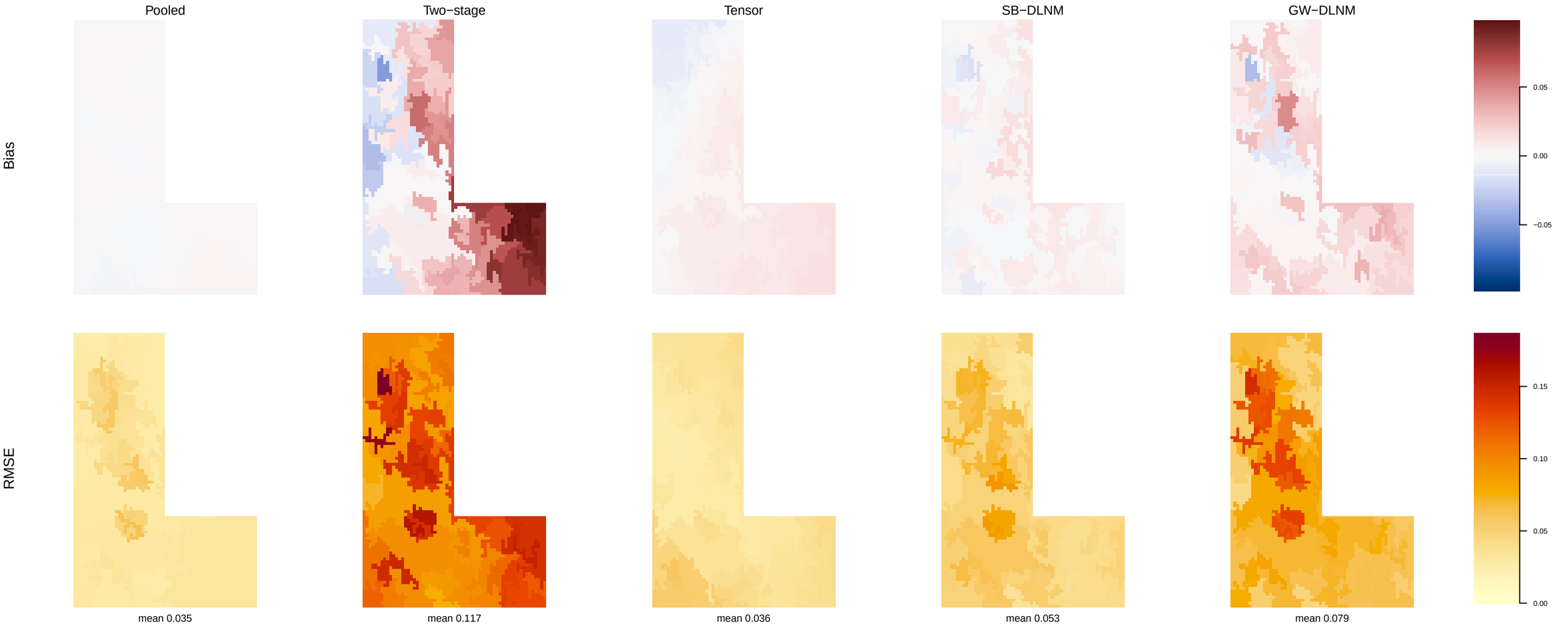
Scenario 179: L−shaped region, 60 counties, extreme inequality, regional pattern, spread 0.00, edges gradient, linear exposure−response, event rate 0.5, RR 1.6, decay lag



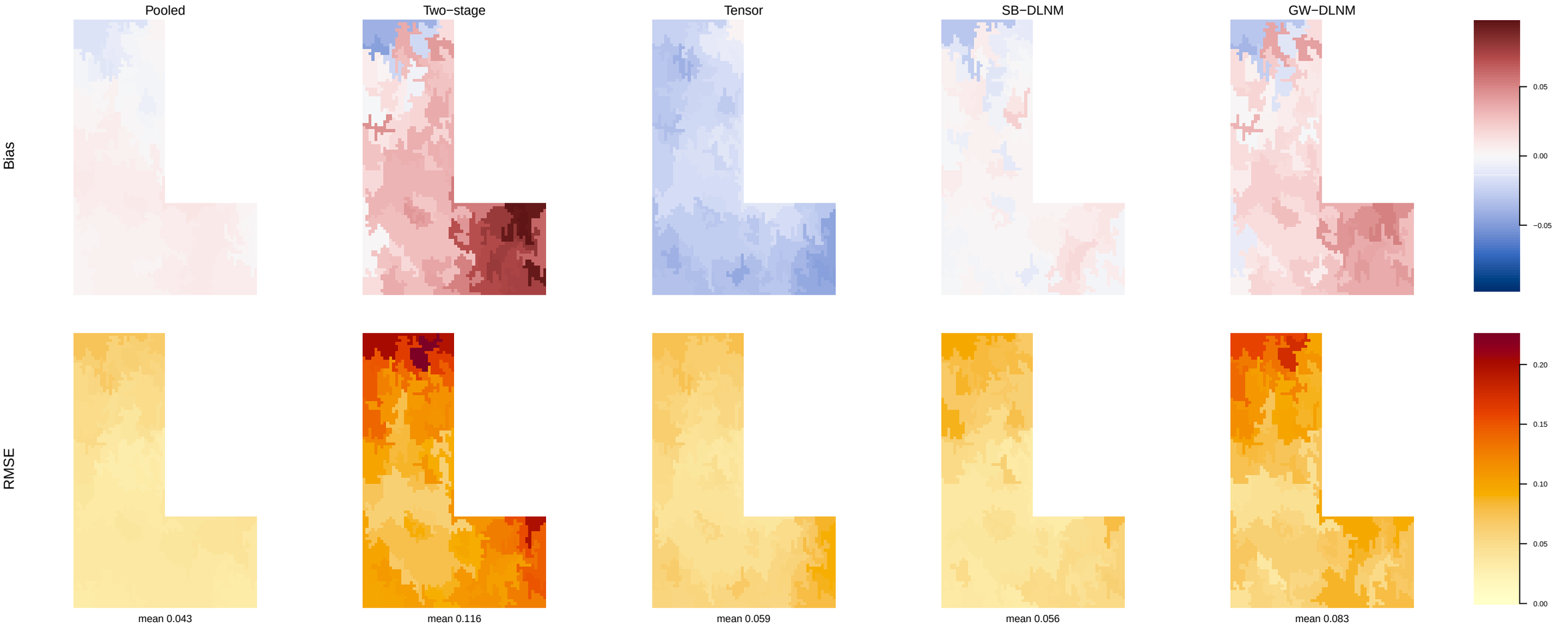
Scenario 115: L−shaped region, 60 counties, extreme inequality, local pattern, spread 0.00, NS gradient, linear exposure−response, event rate 2, RR 1.2, delayed lag



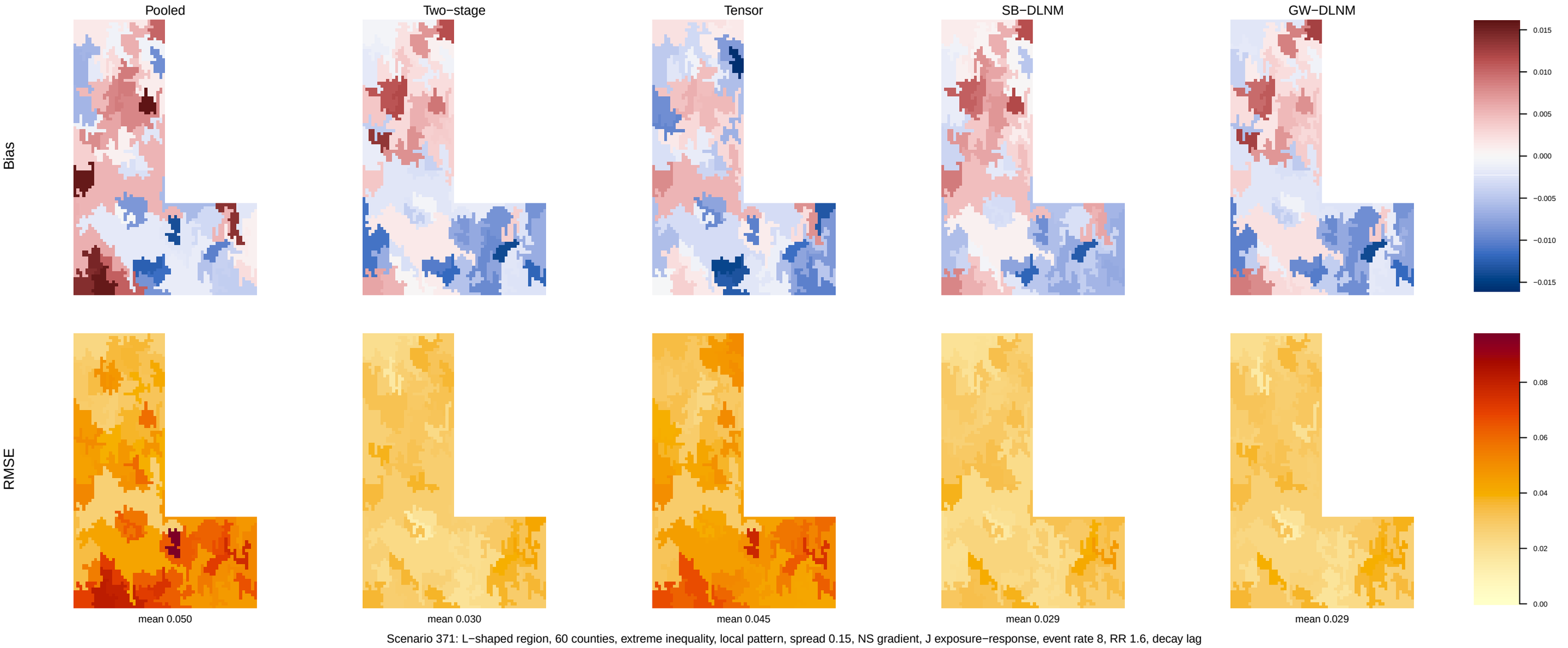
Scenario 51: L−shaped region, 60 counties, extreme inequality, independent pattern, spread 0.00, ridge gradient, linear exposure−response, event rate 8, RR 1.4, harvest lag



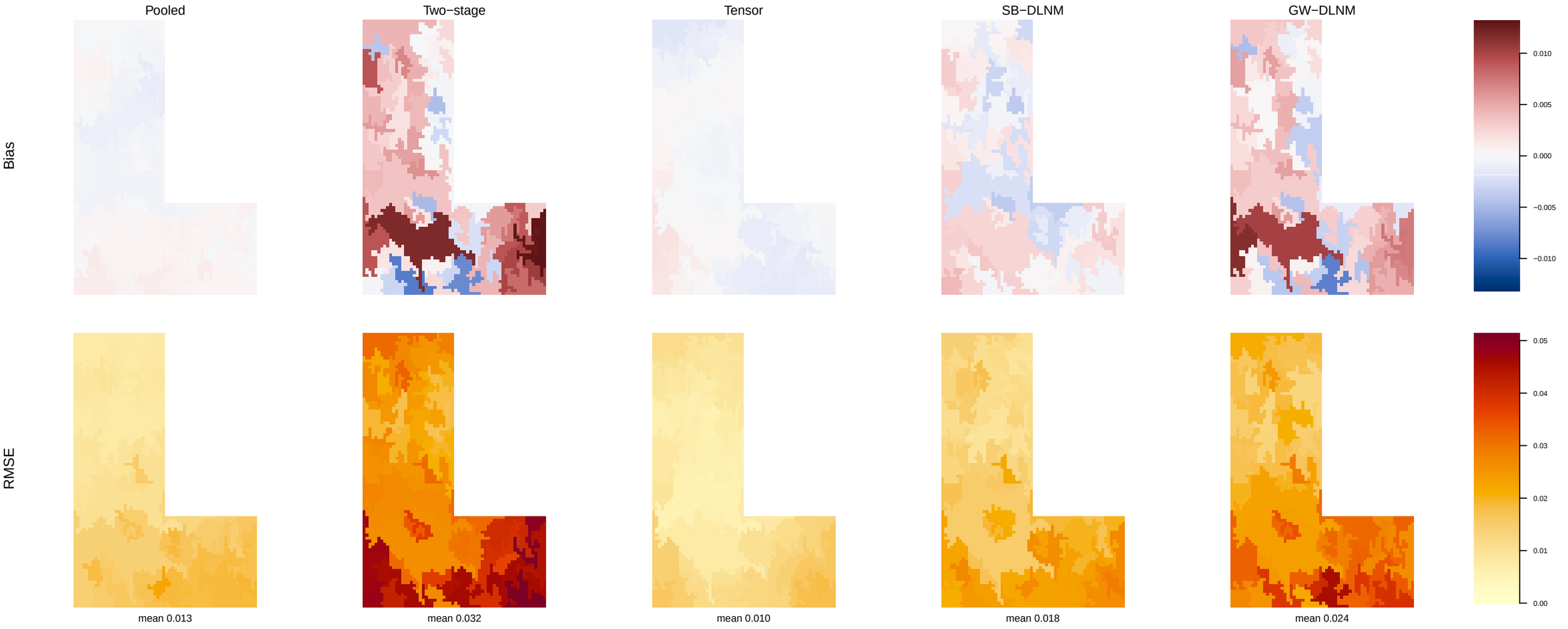
Scenario 243: L−shaped region, 60 counties, extreme inequality, boundary pattern, spread 0.00, valley gradient, linear exposure−response, event rate 0.125, RR 1.0, short lag



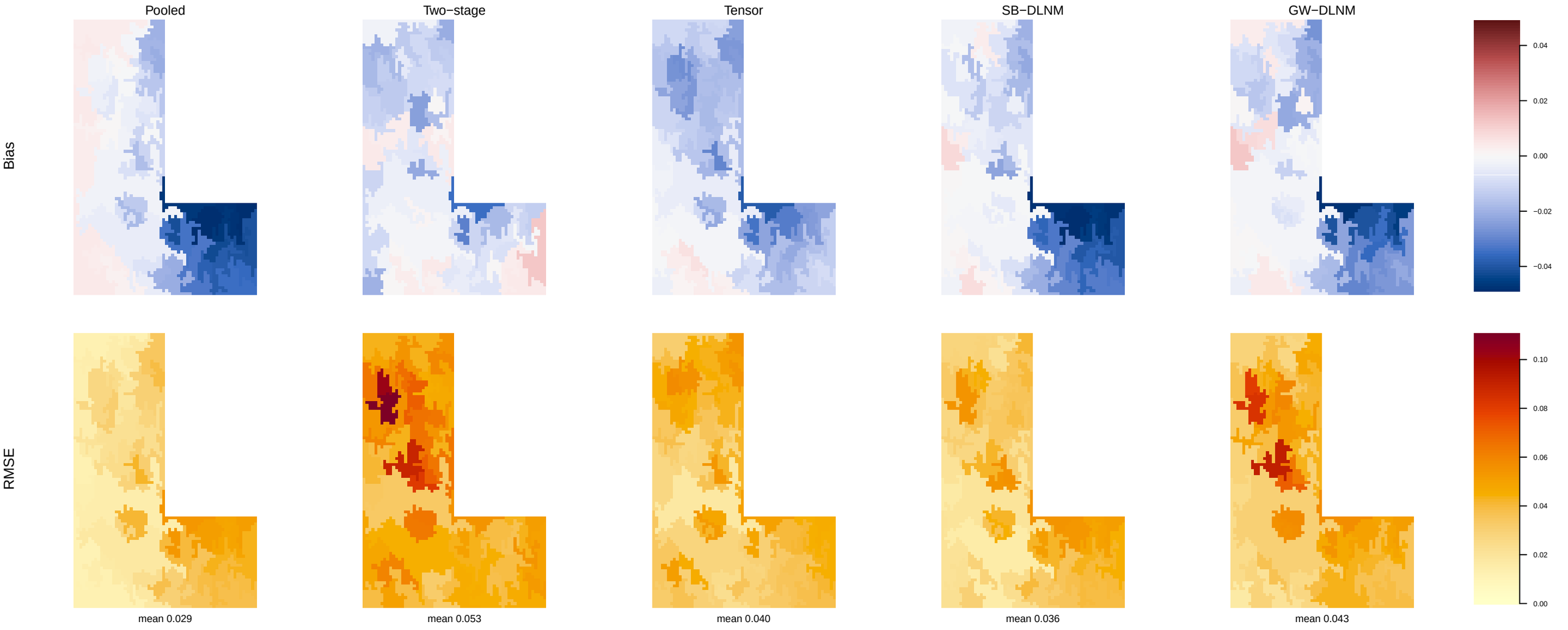
Scenario 435: L−shaped region, 60 counties, extreme inequality, regional pattern, spread 0.15, edges gradient, J exposure−response, event rate 0.125, RR 1.2, delayed lag



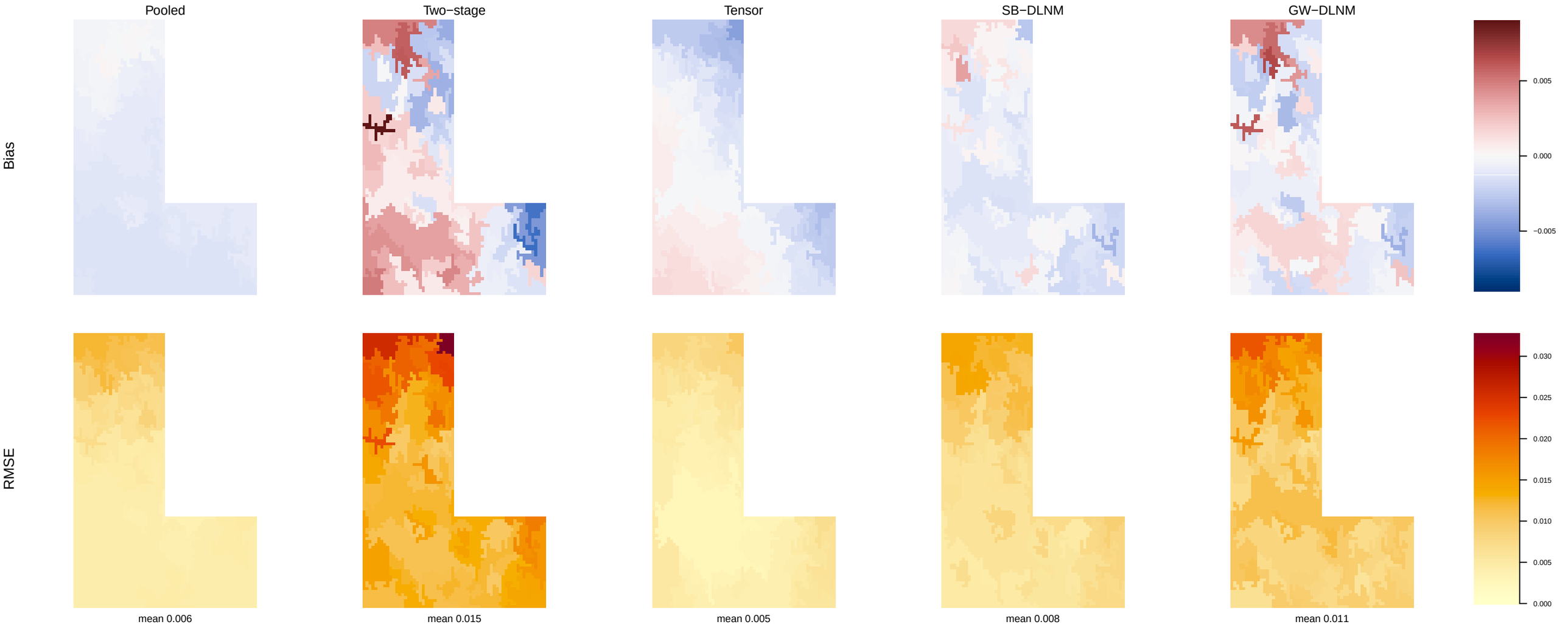
Scenario 371: L−shaped region, 60 counties, extreme inequality, local pattern, spread 0.15, NS gradient, J exposure−response, event rate 8, RR 1.6, decay lag



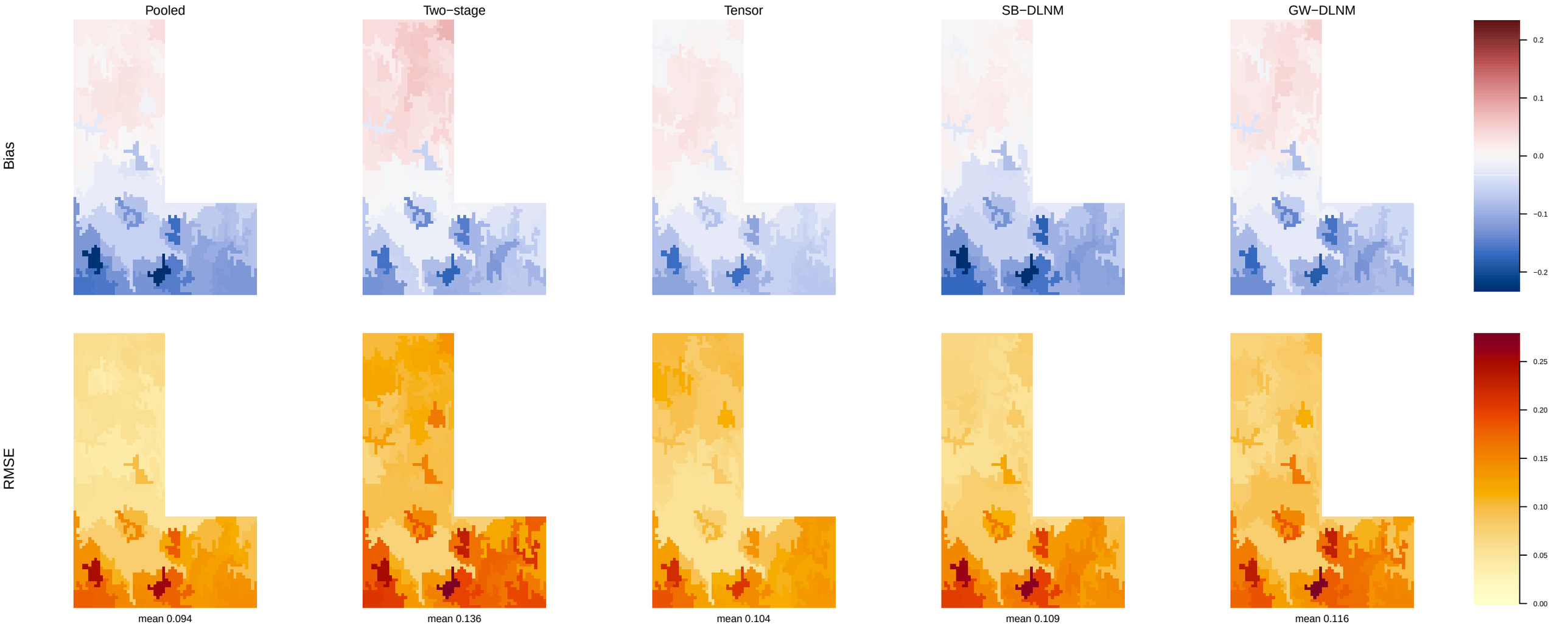
Scenario 307: L−shaped region, 60 counties, extreme inequality, independent pattern, spread 0.15, ridge gradient, J exposure−response, event rate 2, RR 1.0, short lag



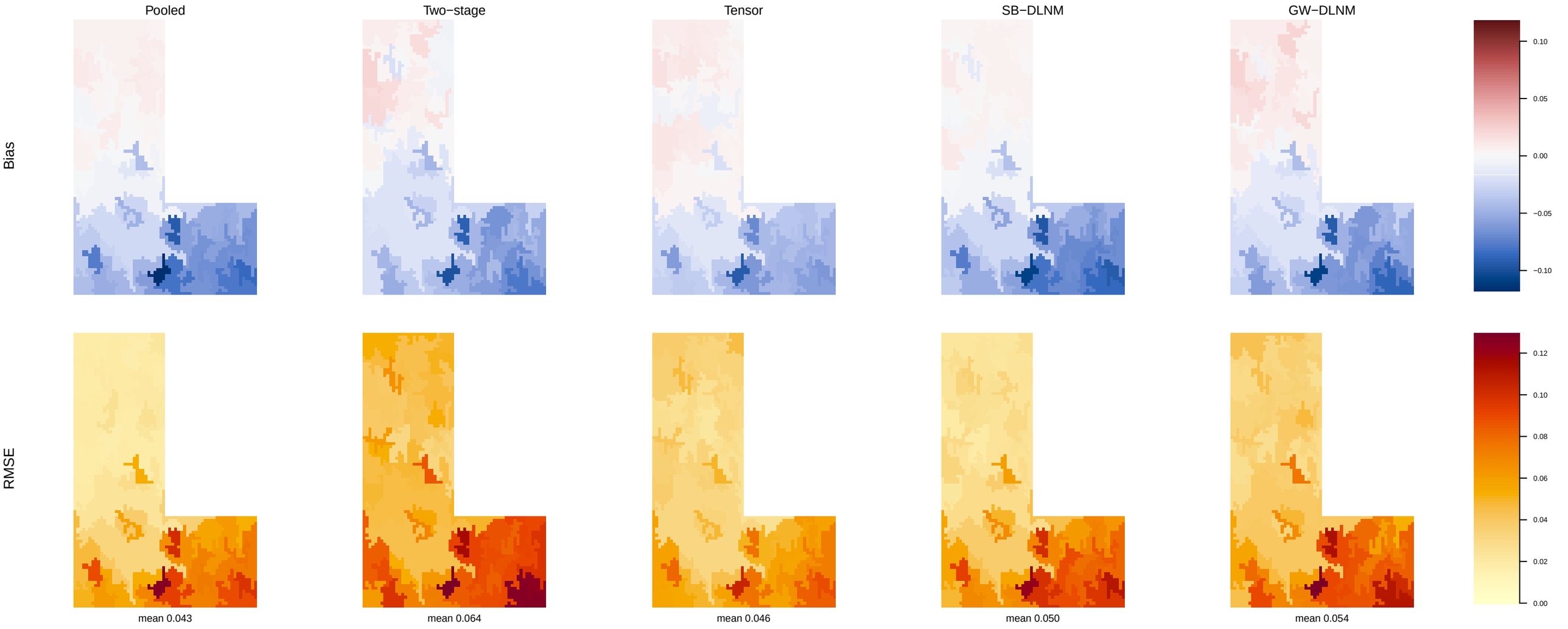
Scenario 499: L−shaped region, 60 counties, extreme inequality, boundary pattern, spread 0.15, valley gradient, J exposure−response, event rate 0.5, RR 1.4, harvest lag



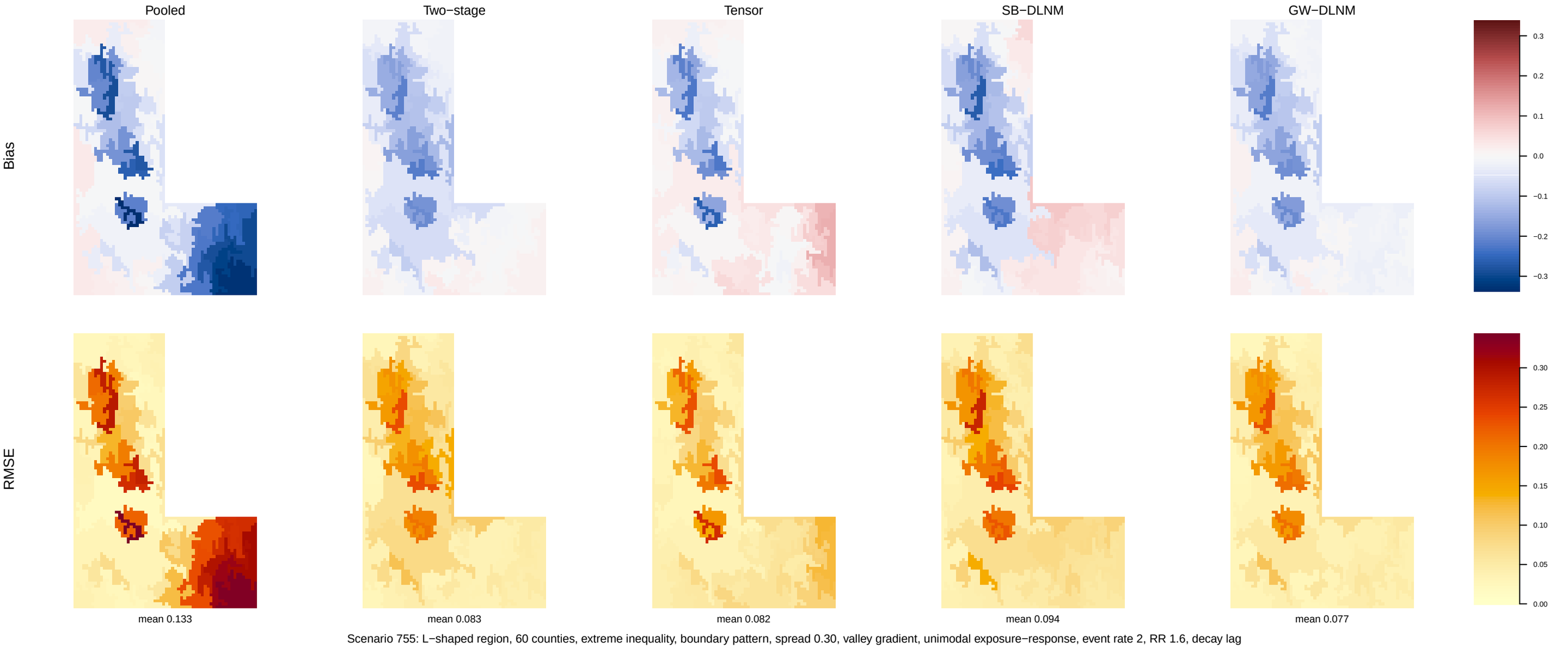
Scenario 691: L−shaped region, 60 counties, extreme inequality, regional pattern, spread 0.30, edges gradient, unimodal exposure−response, event rate 8, RR 1.0, short lag



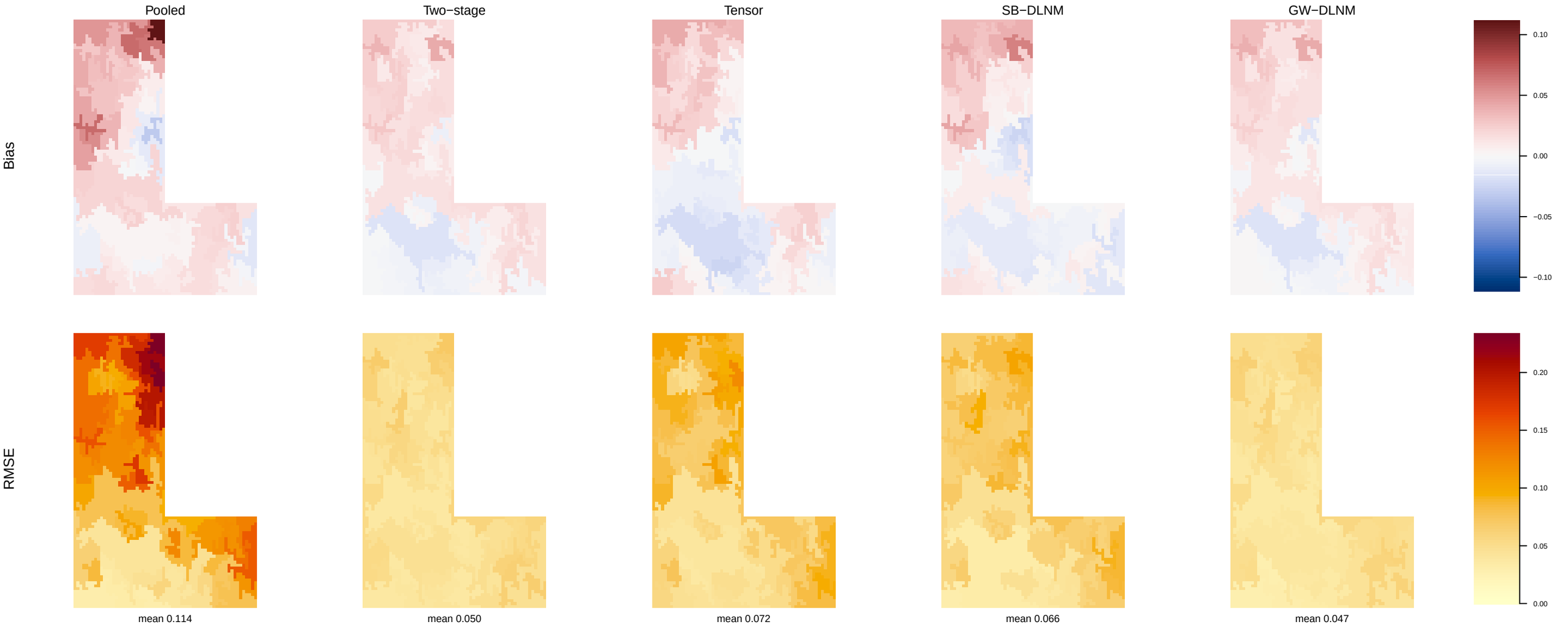
Scenario 627: L−shaped region, 60 counties, extreme inequality, local pattern, spread 0.30, NS gradient, unimodal exposure−response, event rate 0.125, RR 1.4, harvest lag



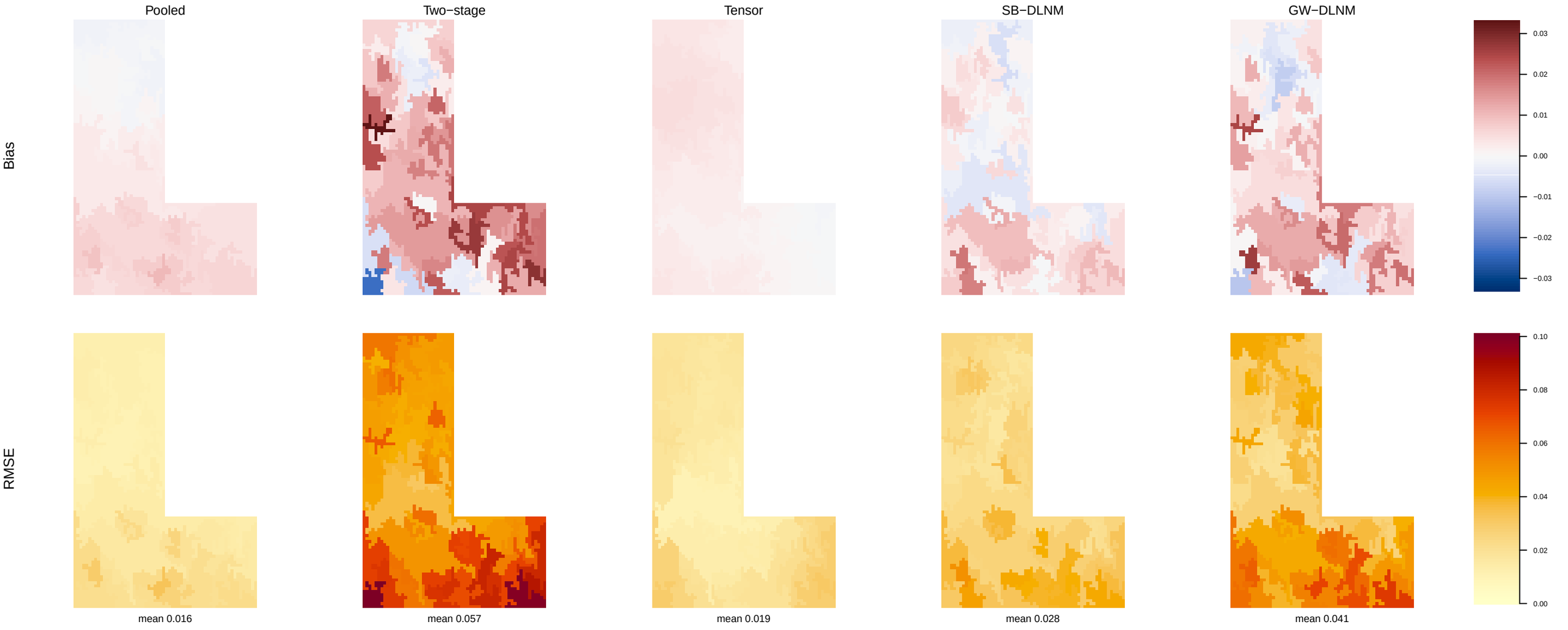
Scenario 563: L−shaped region, 60 counties, extreme inequality, independent pattern, spread 0.30, ridge gradient, unimodal exposure−response, event rate 0.5, RR 1.2, delayed lag



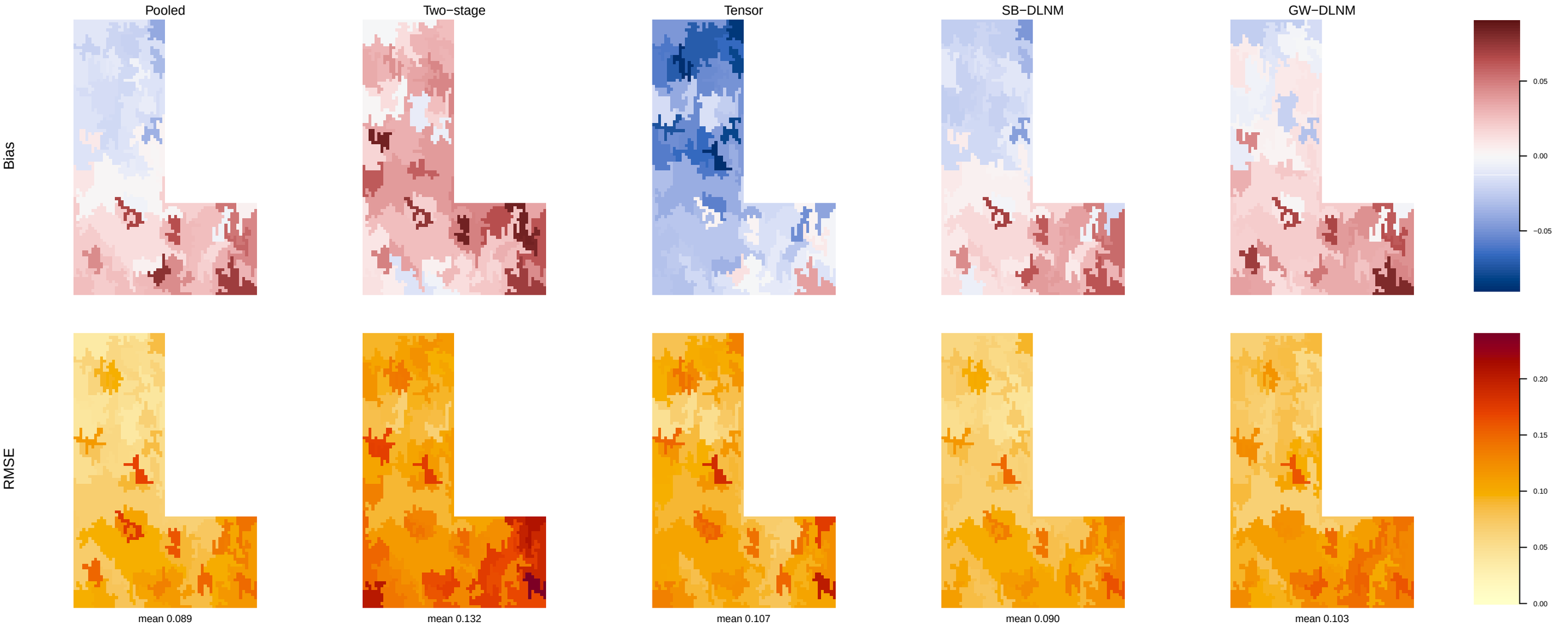
Scenario 755: L−shaped region, 60 counties, extreme inequality, boundary pattern, spread 0.30, valley gradient, unimodal exposure−response, event rate 2, RR 1.6, decay lag



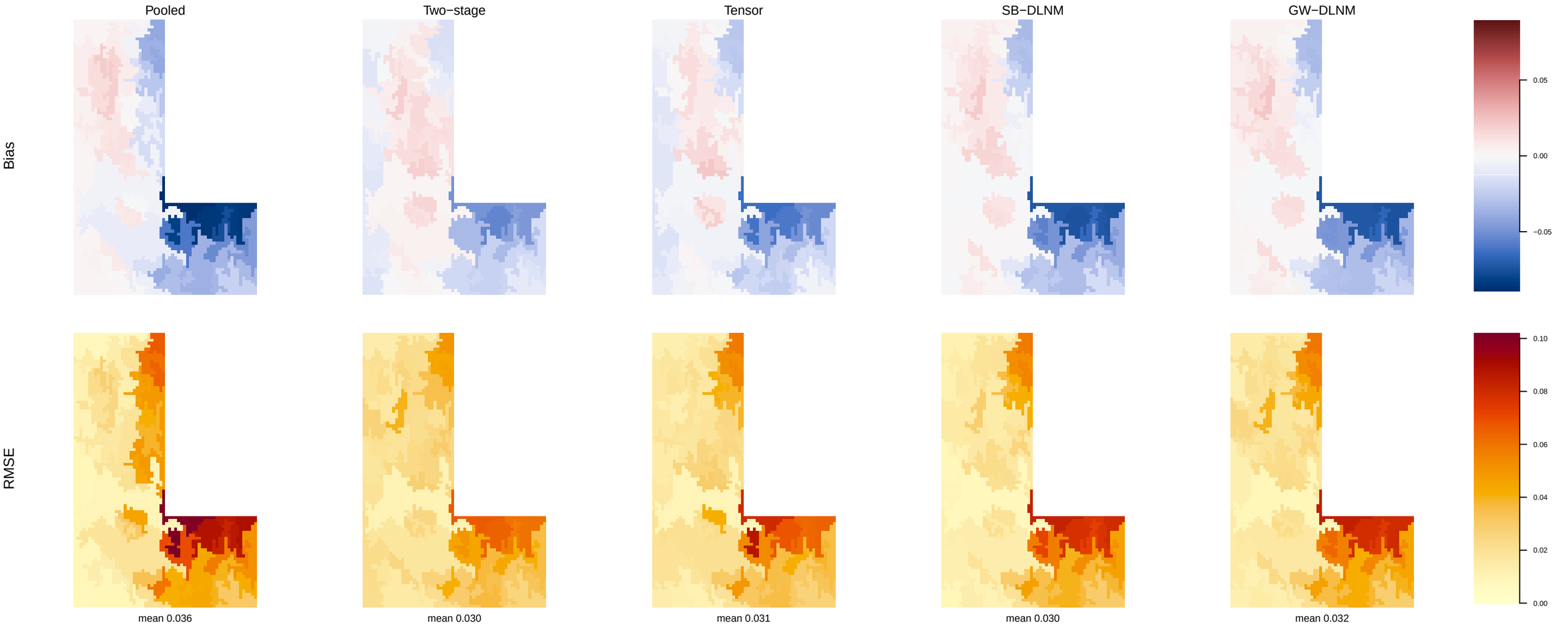
Scenario 947: L−shaped region, 60 counties, extreme inequality, regional pattern, spread 0.50, edges gradient, threshold exposure−response, event rate 2, RR 1.4, harvest lag



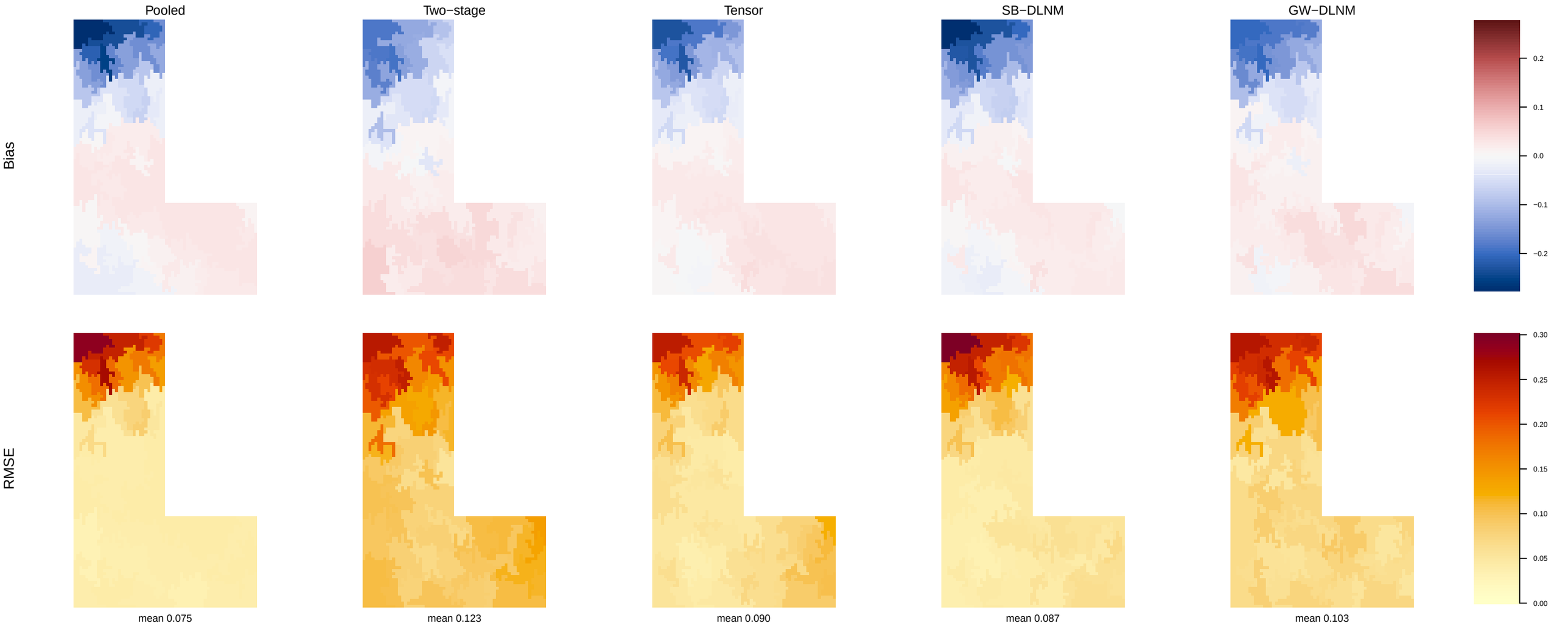
Scenario 883: L−shaped region, 60 counties, extreme inequality, local pattern, spread 0.50, NS gradient, threshold exposure−response, event rate 0.5, RR 1.0, short lag



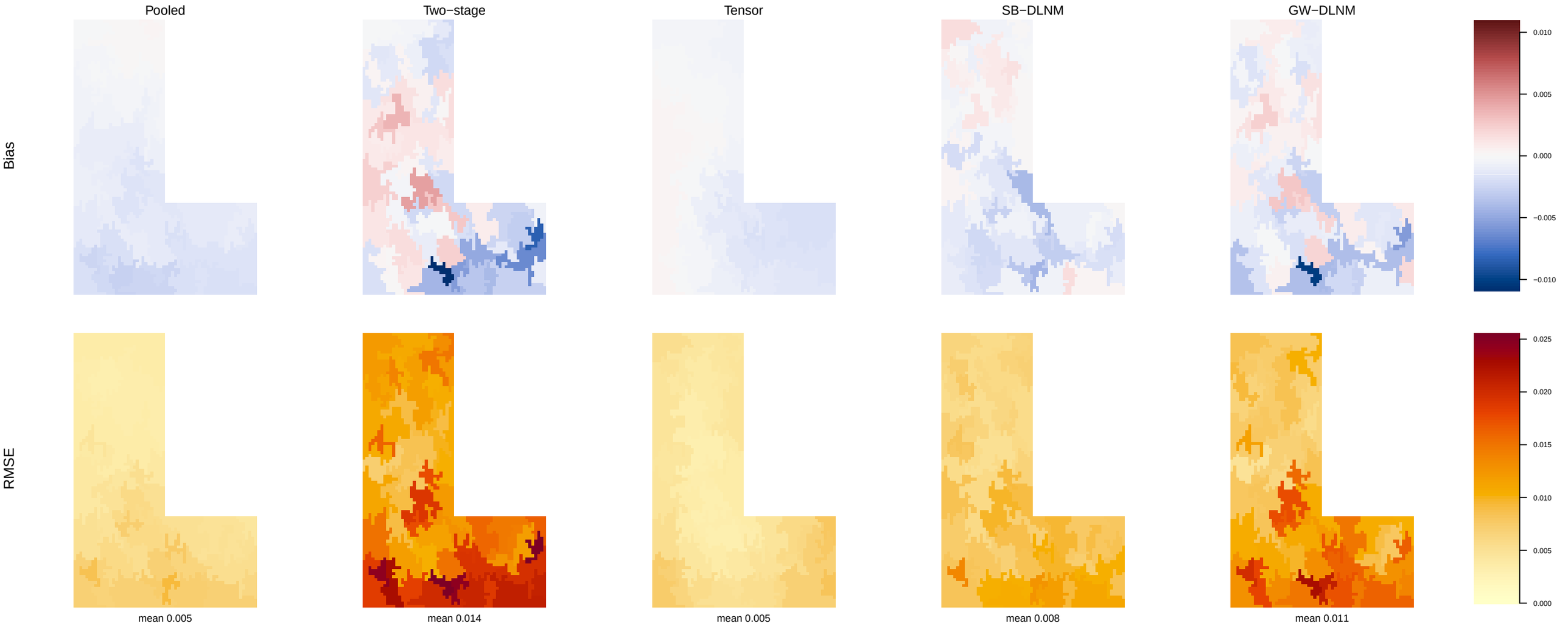
Scenario 819: L−shaped region, 60 counties, extreme inequality, independent pattern, spread 0.50, ridge gradient, threshold exposure−response, event rate 0.125, RR 1.6, decay lag



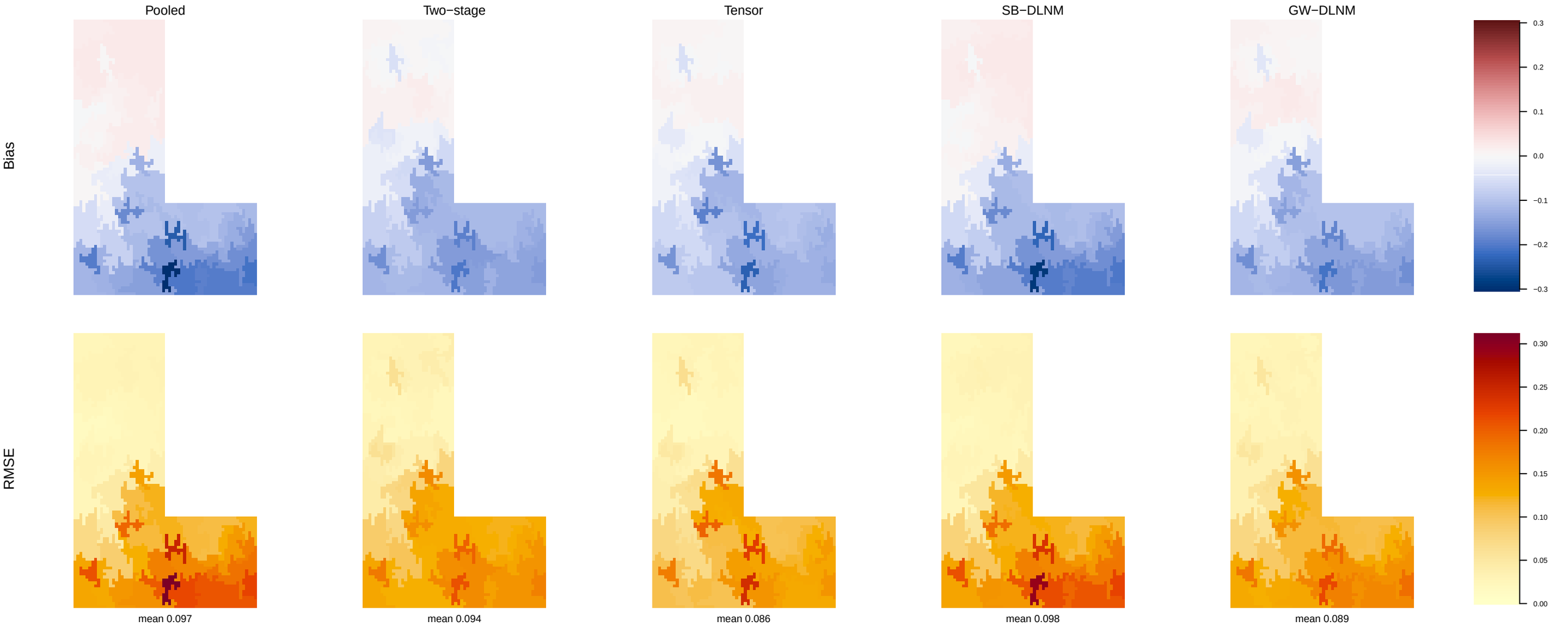
Scenario 1011: L−shaped region, 60 counties, extreme inequality, boundary pattern, spread 0.50, valley gradient, threshold exposure−response, event rate 8, RR 1.2, delayed lag



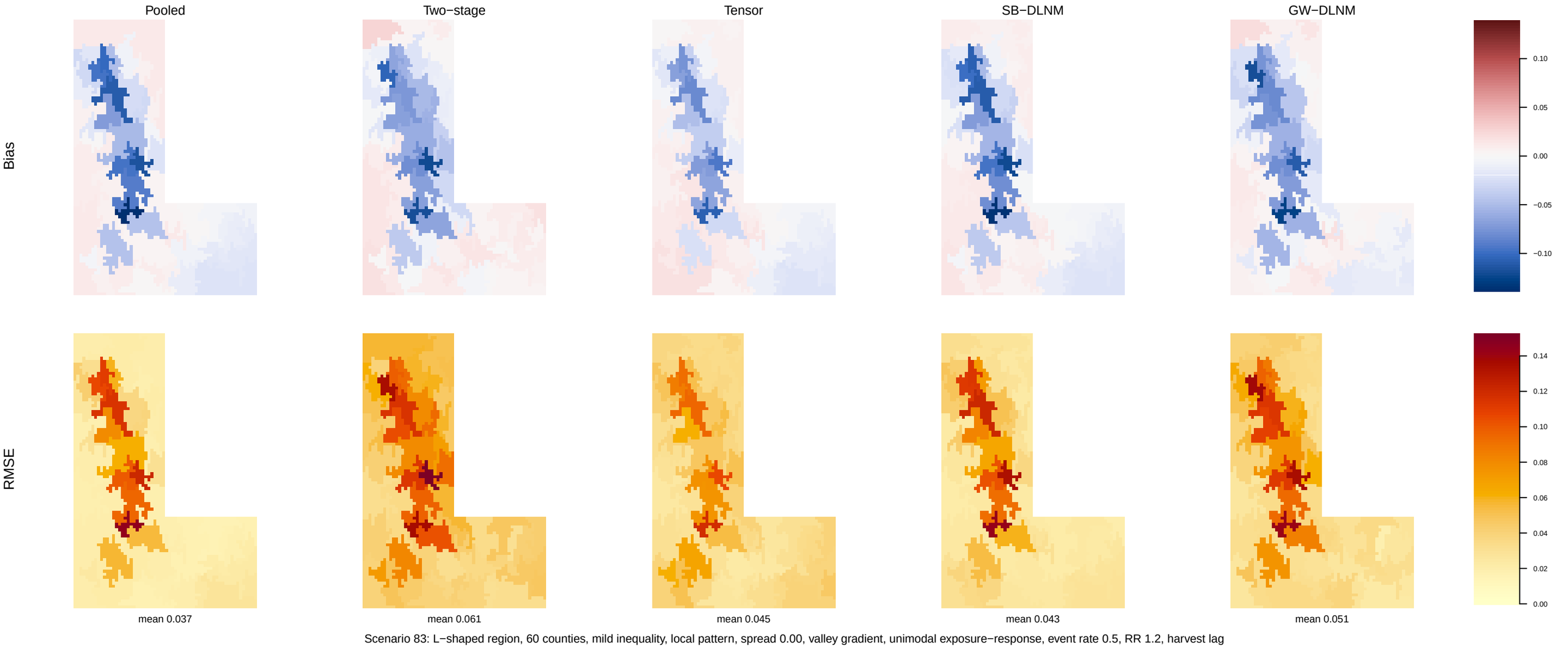
Scenario 19: L−shaped region, 60 counties, mild inequality, independent pattern, spread 0.00, edges gradient, unimodal exposure−response, event rate 0.125, RR 1.4, delayed lag



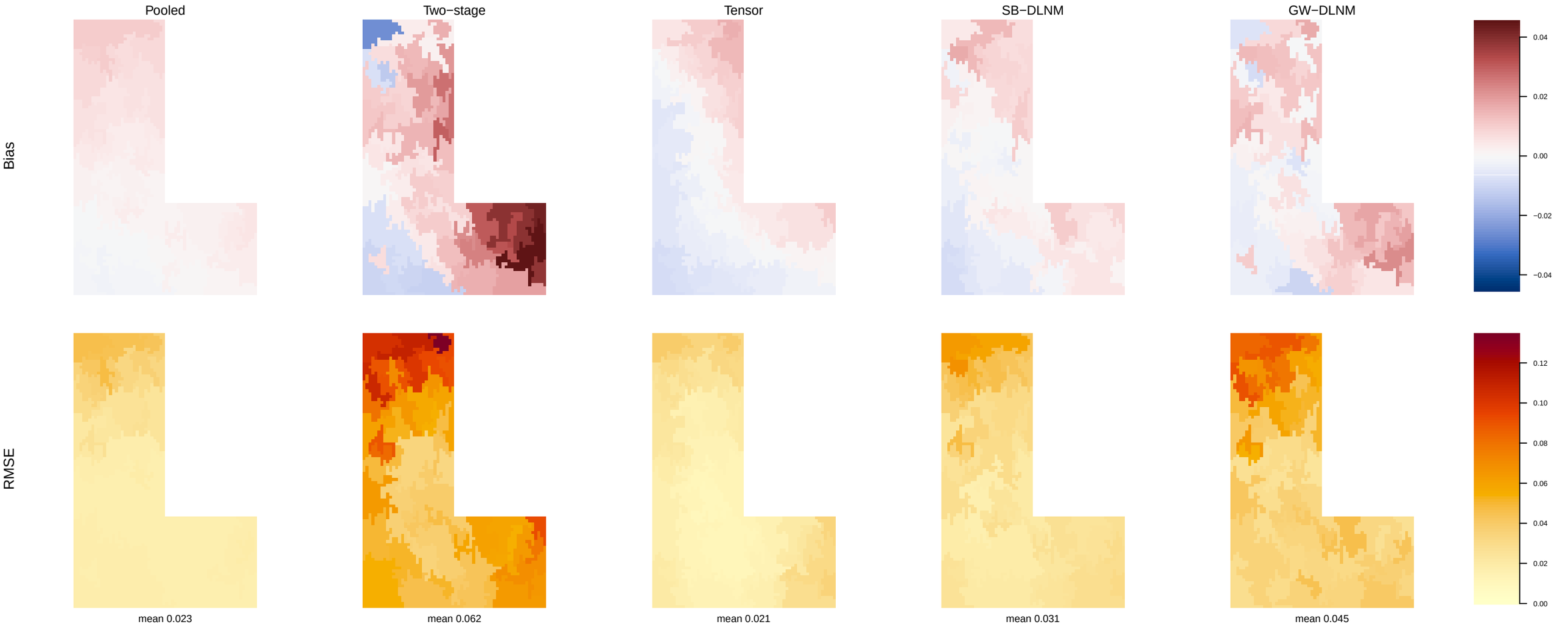
Scenario 211: L−shaped region, 60 counties, mild inequality, boundary pattern, spread 0.00, NS gradient, unimodal exposure−response, event rate 8, RR 1.0, decay lag



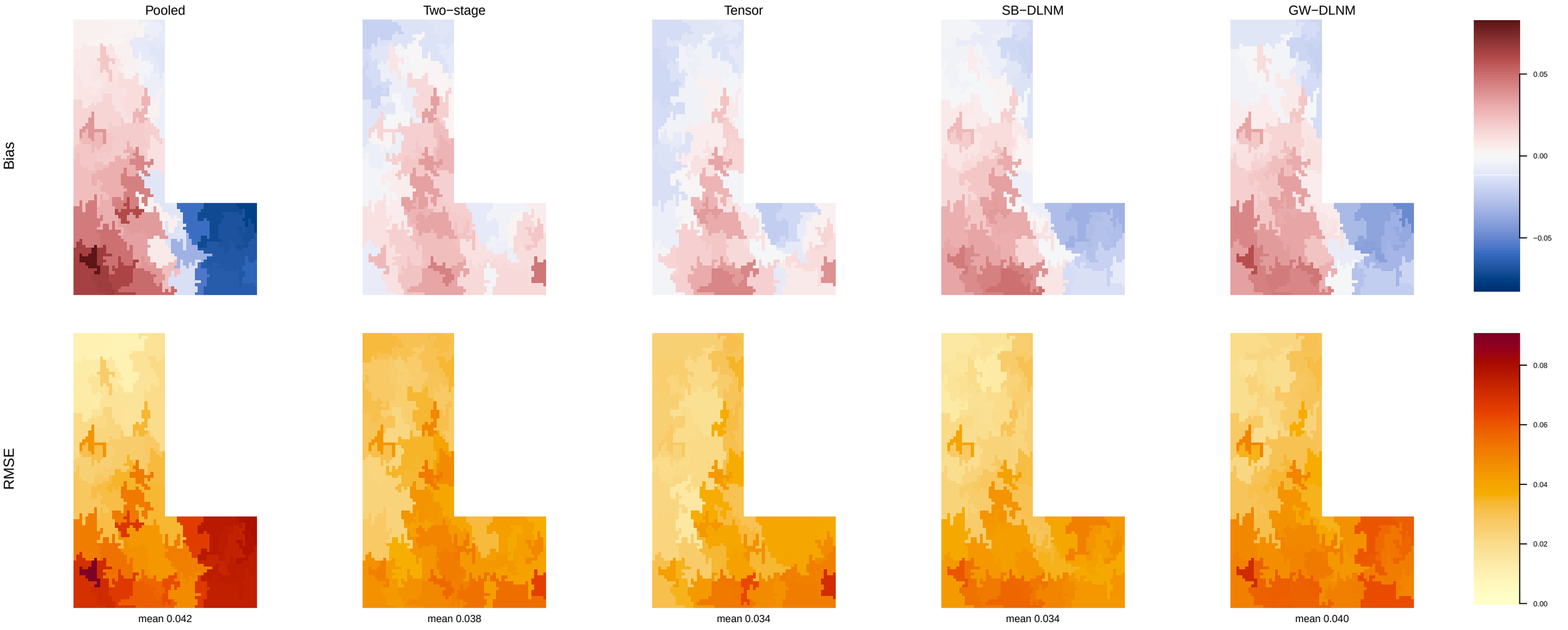
Scenario 147: L−shaped region, 60 counties, mild inequality, regional pattern, spread 0.00, ridge gradient, unimodal exposure−response, event rate 2, RR 1.6, short lag



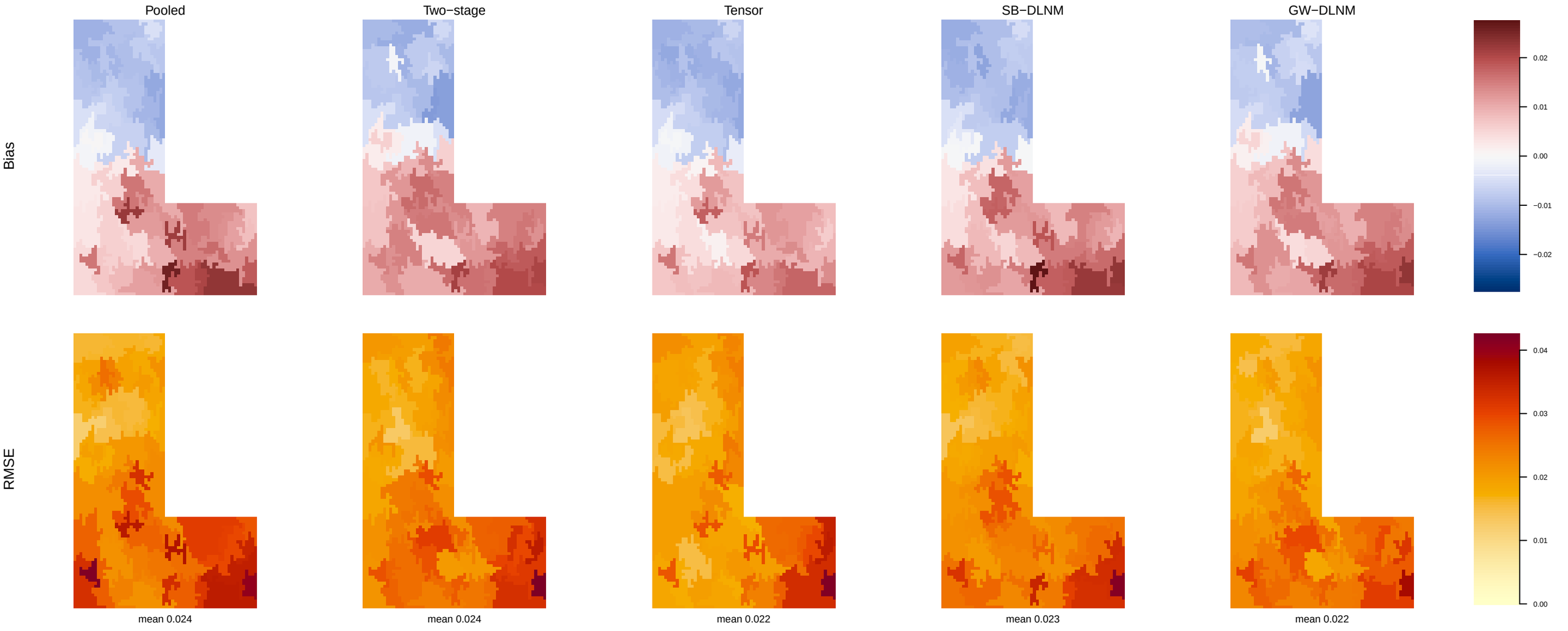
Scenario 83: L−shaped region, 60 counties, mild inequality, local pattern, spread 0.00, valley gradient, unimodal exposure−response, event rate 0.5, RR 1.2, harvest lag



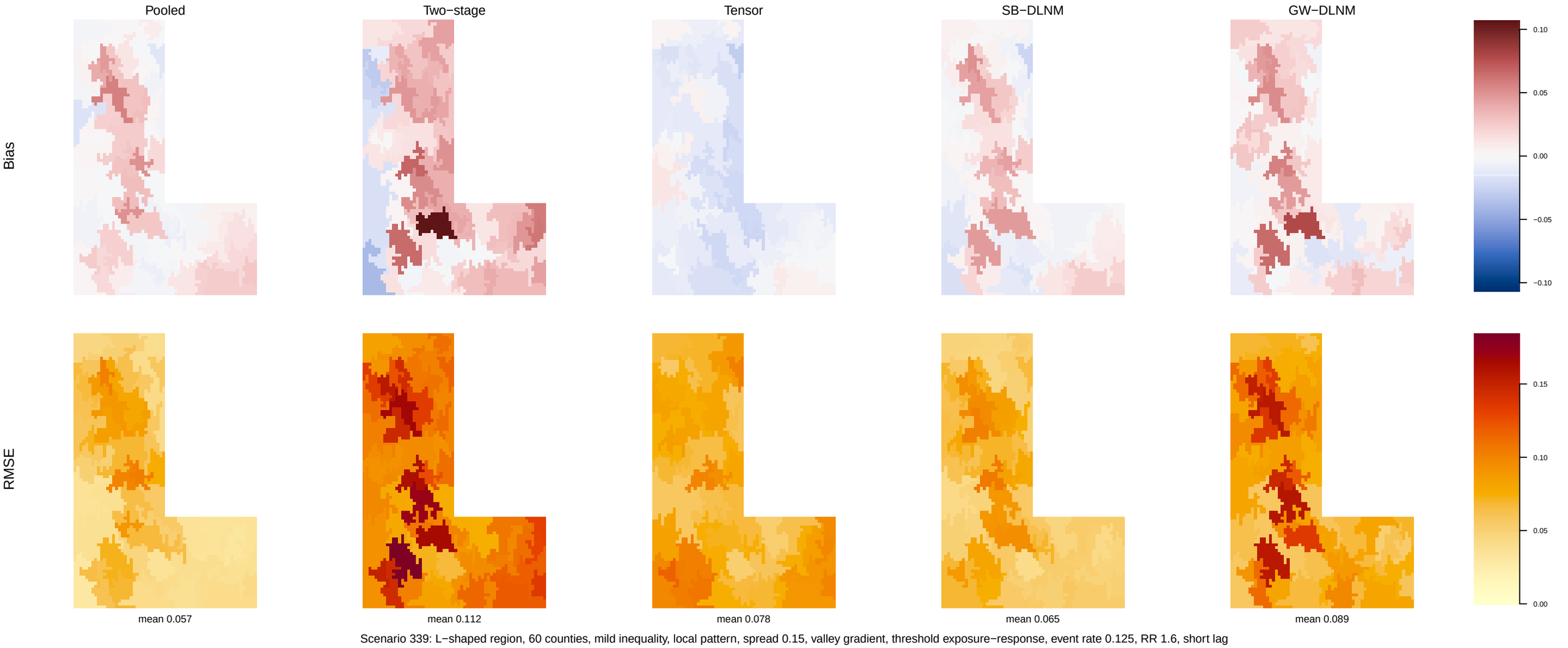
Scenario 275: L−shaped region, 60 counties, mild inequality, independent pattern, spread 0.15, edges gradient, threshold exposure−response, event rate 0.5, RR 1.0, decay lag



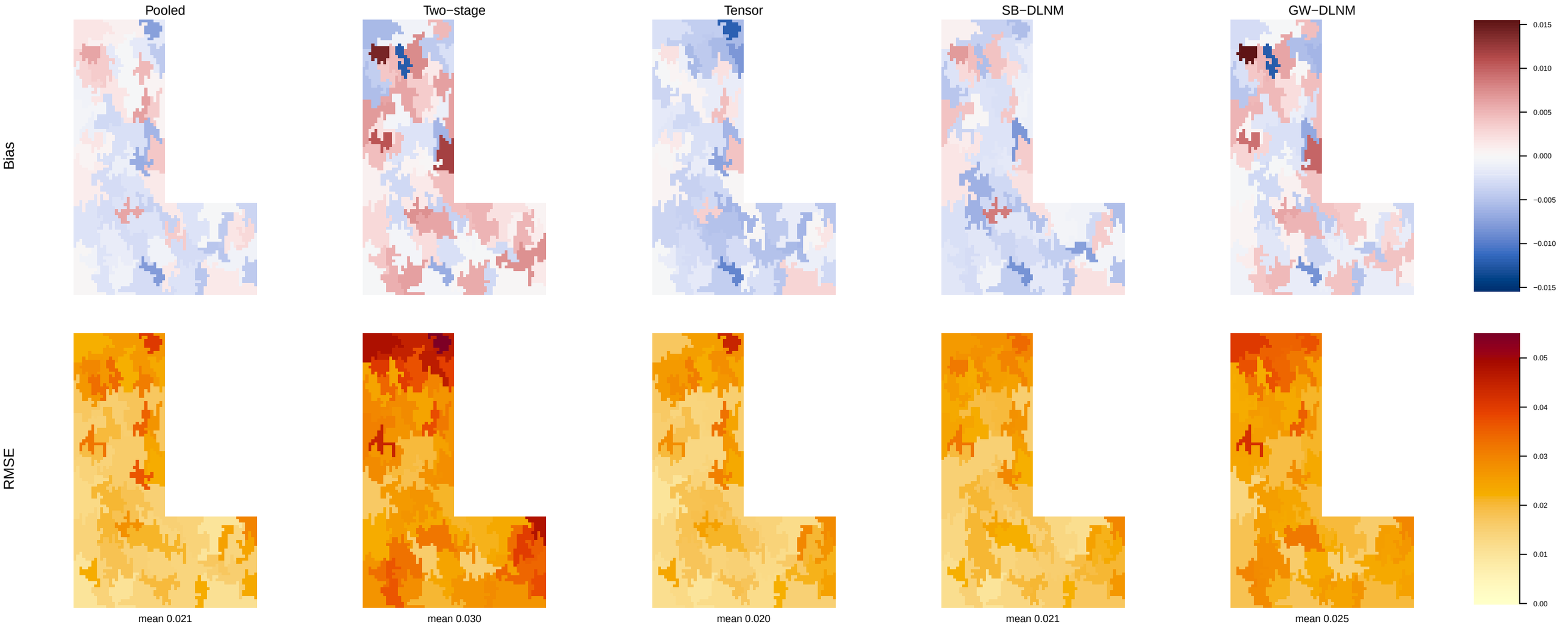
Scenario 467: L−shaped region, 60 counties, mild inequality, boundary pattern, spread 0.15, NS gradient, threshold exposure−response, event rate 2, RR 1.4, delayed lag



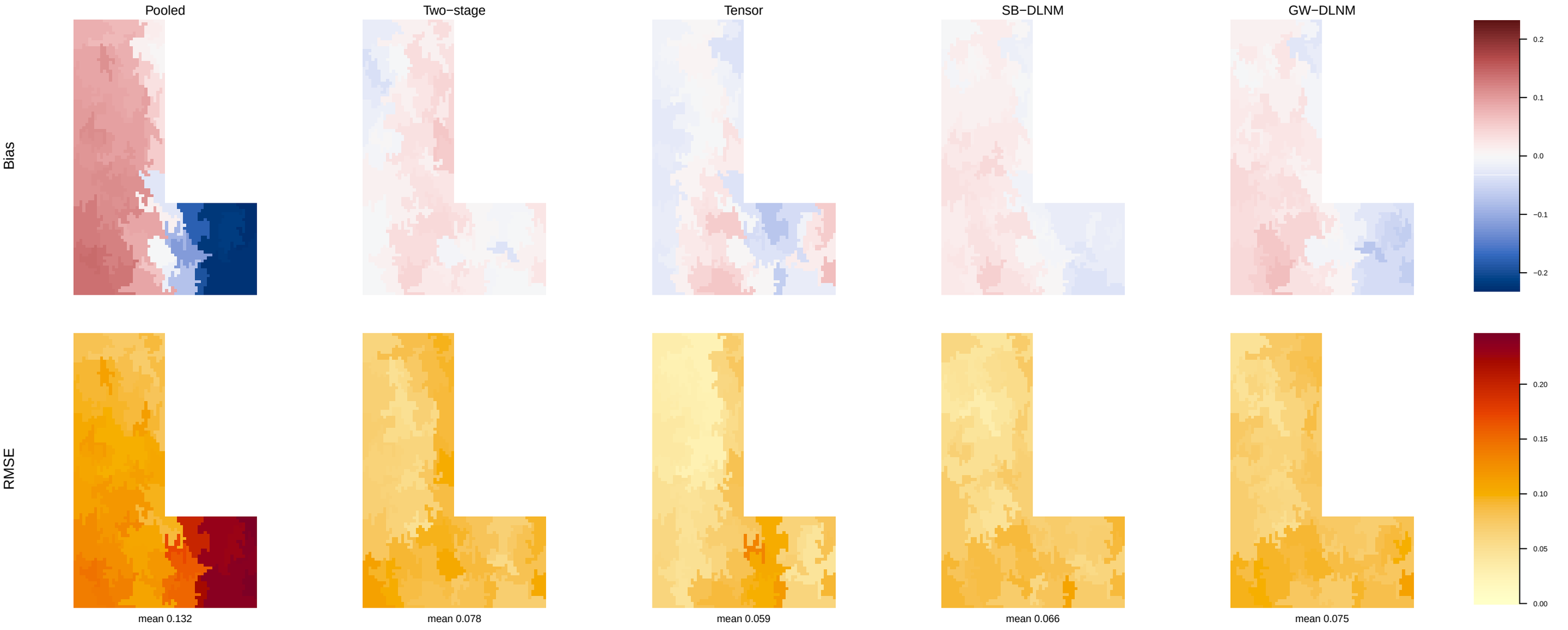
Scenario 403: L−shaped region, 60 counties, mild inequality, regional pattern, spread 0.15, ridge gradient, threshold exposure−response, event rate 8, RR 1.2, harvest lag



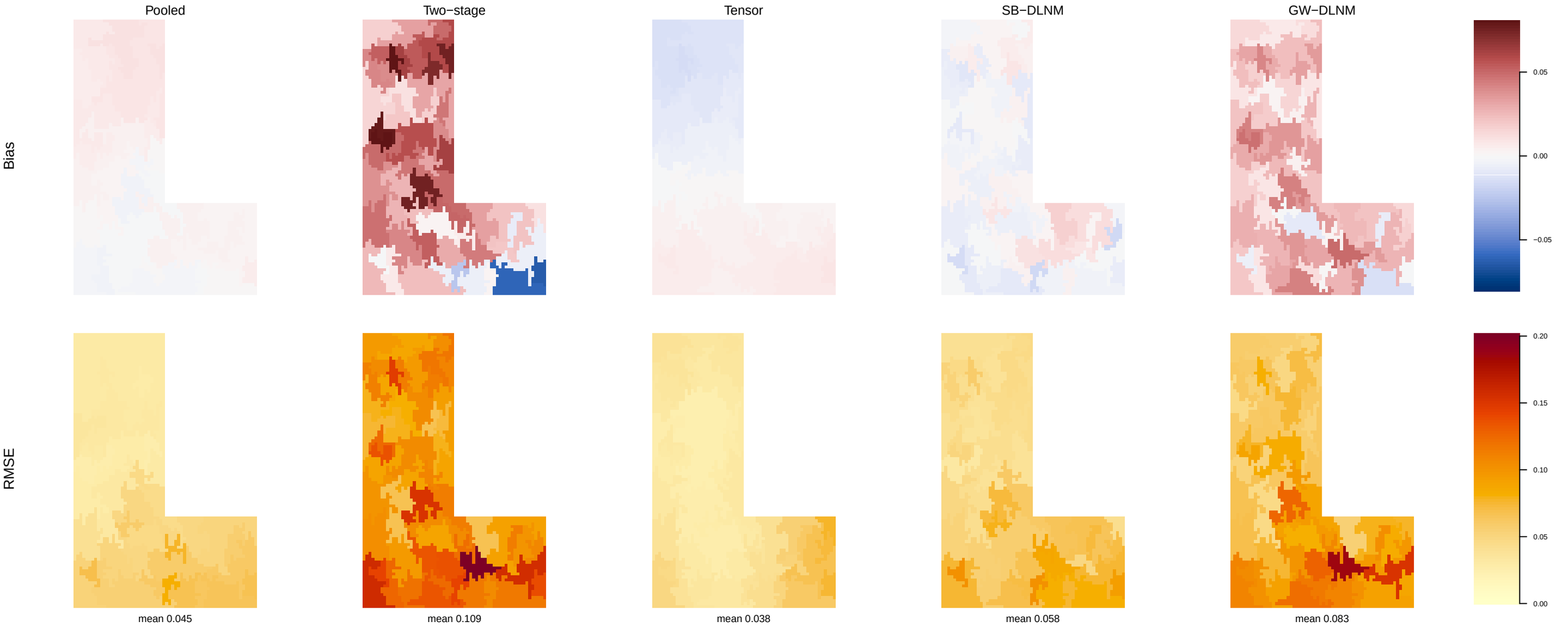
Scenario 339: L−shaped region, 60 counties, mild inequality, local pattern, spread 0.15, valley gradient, threshold exposure−response, event rate 0.125, RR 1.6, short lag



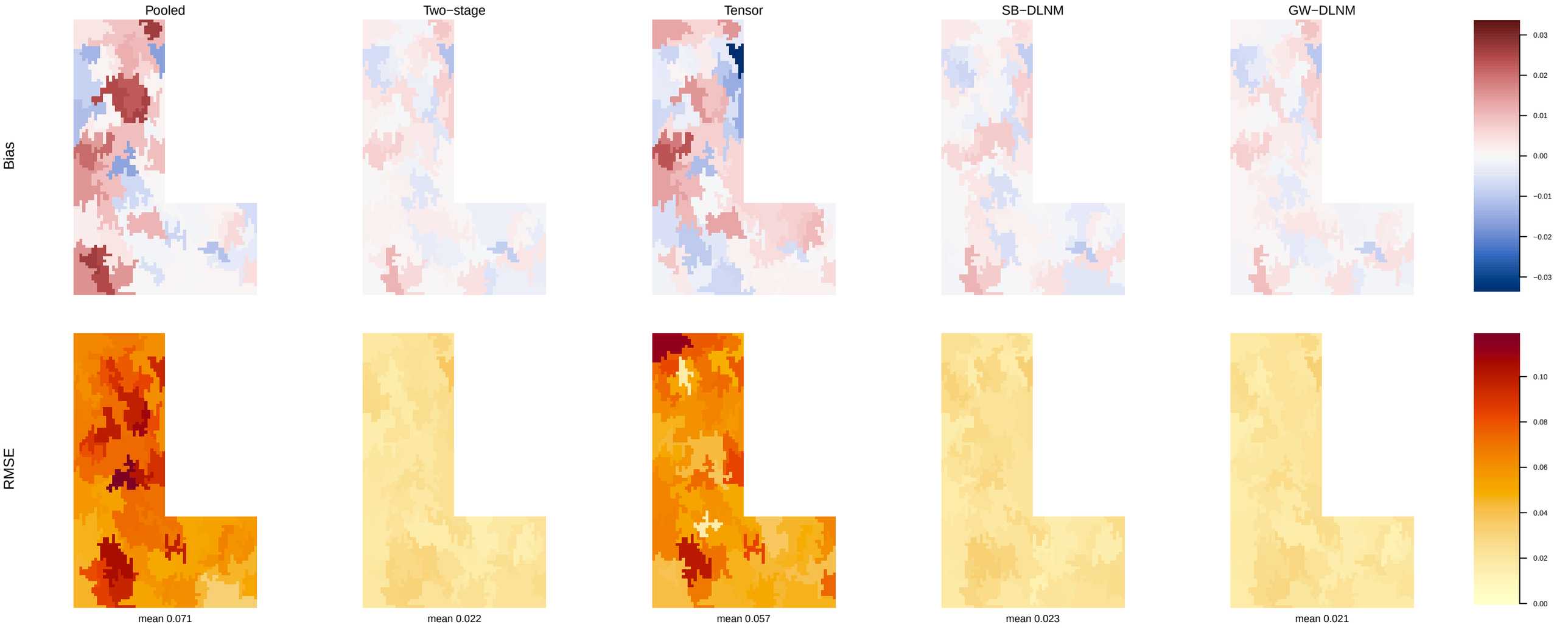
Scenario 531: L−shaped region, 60 counties, mild inequality, independent pattern, spread 0.30, edges gradient, linear exposure−response, event rate 2, RR 1.2, harvest lag



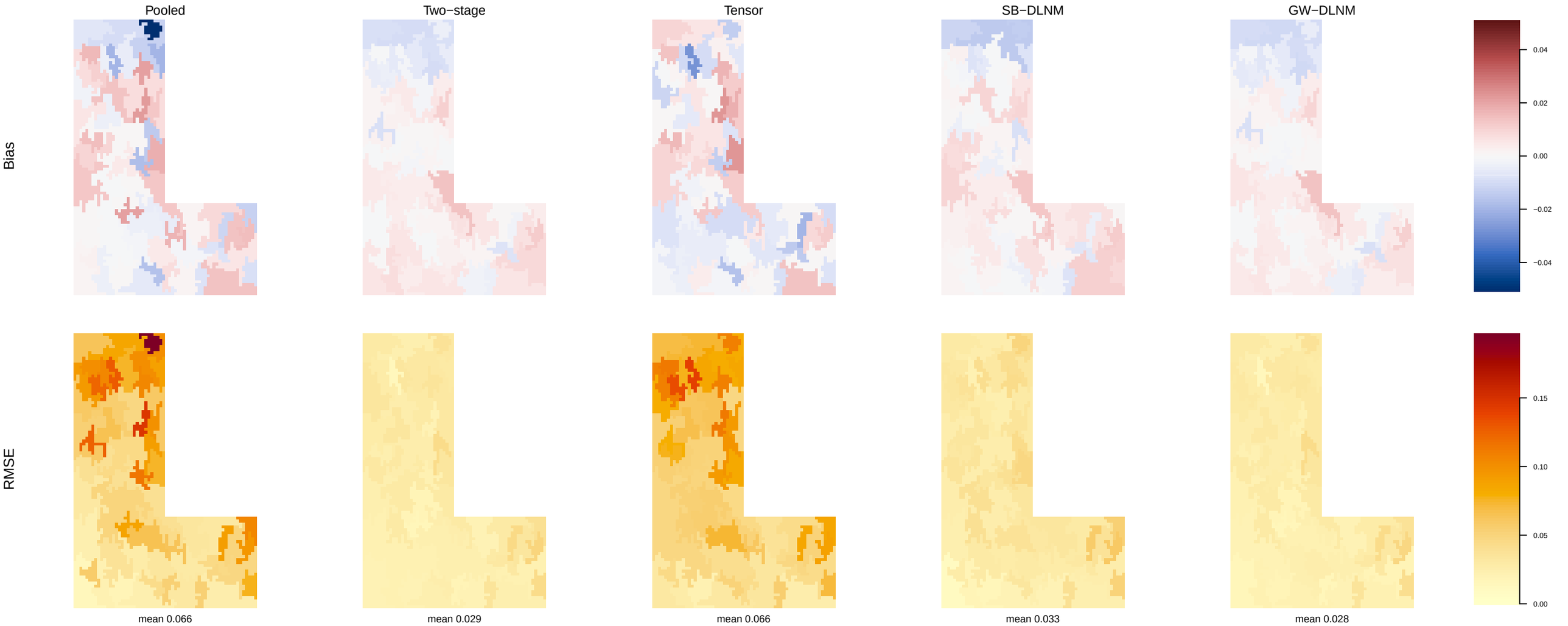
Scenario 723: L−shaped region, 60 counties, mild inequality, boundary pattern, spread 0.30, NS gradient, linear exposure−response, event rate 0.5, RR 1.6, short lag



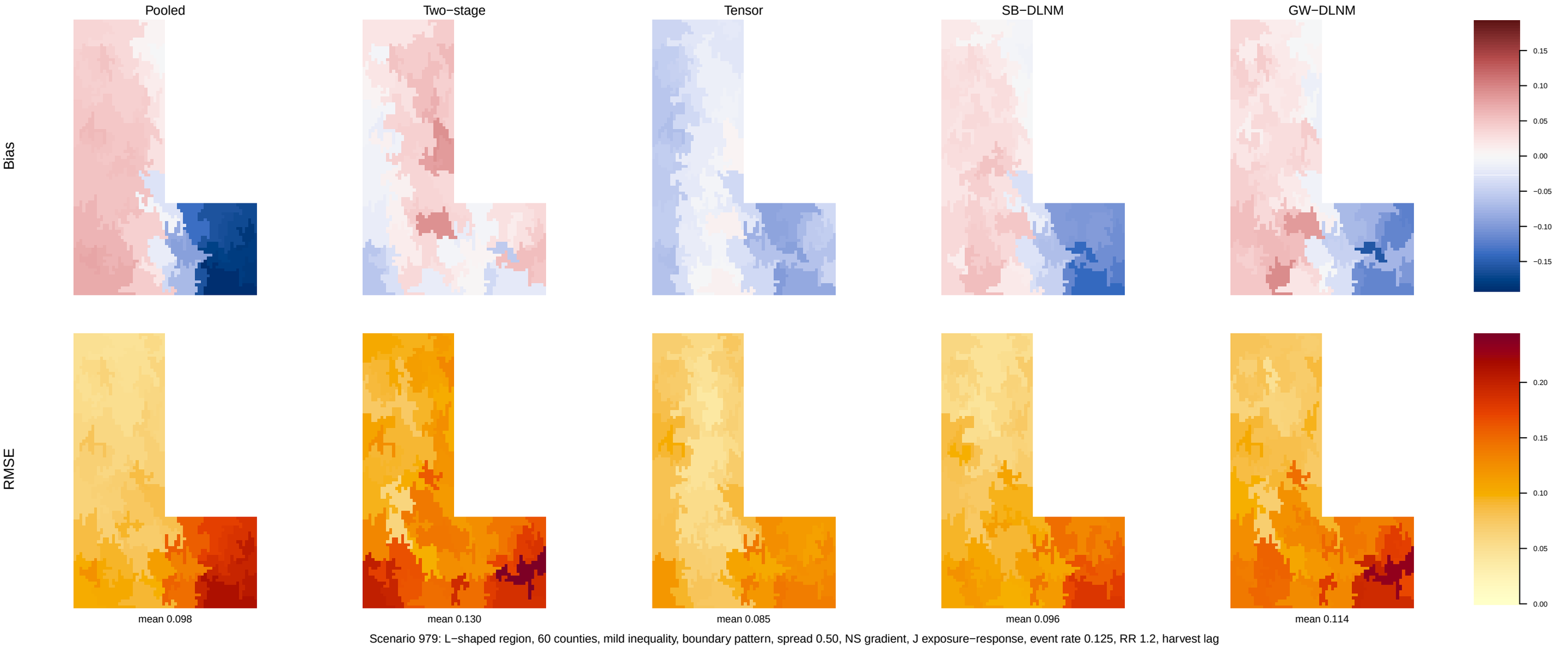
Scenario 659: L−shaped region, 60 counties, mild inequality, regional pattern, spread 0.30, ridge gradient, linear exposure−response, event rate 0.125, RR 1.0, decay lag



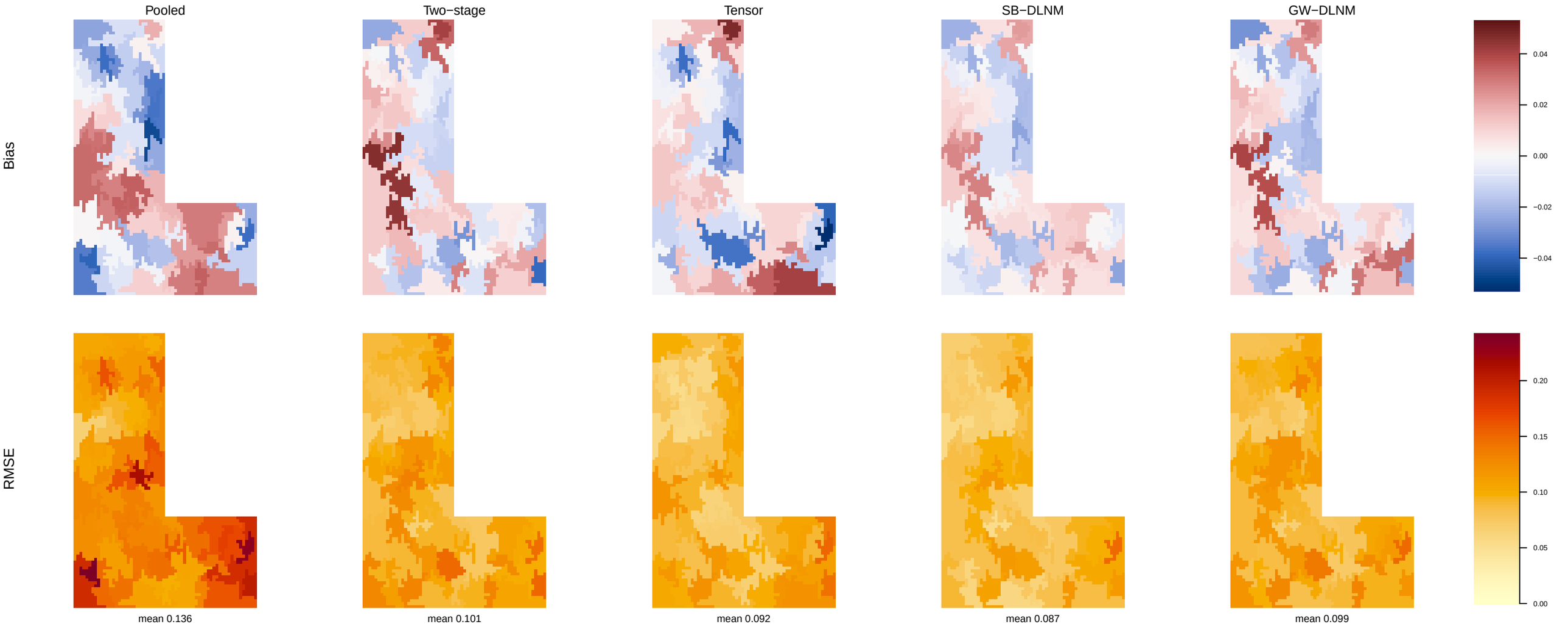
Scenario 595: L−shaped region, 60 counties, mild inequality, local pattern, spread 0.30, valley gradient, linear exposure−response, event rate 8, RR 1.4, delayed lag



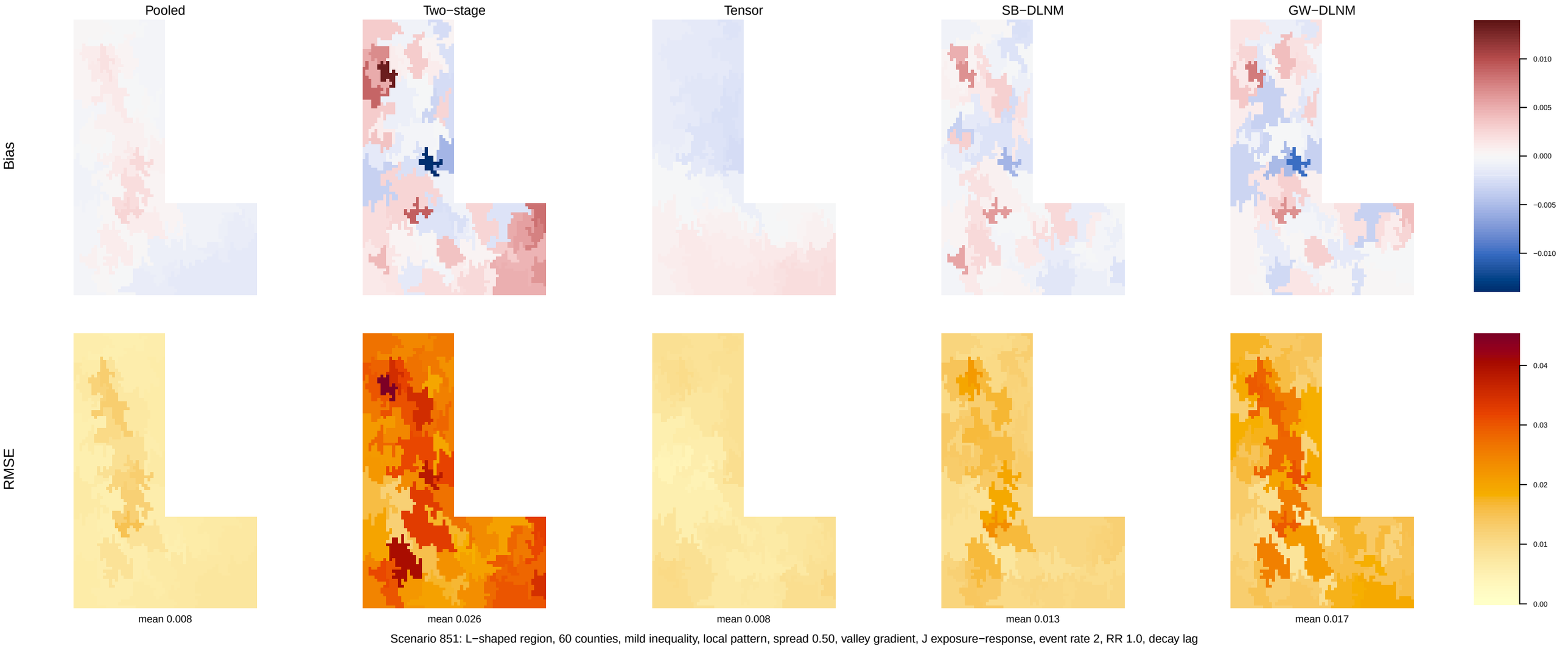
Scenario 787: L−shaped region, 60 counties, mild inequality, independent pattern, spread 0.50, edges gradient, J exposure−response, event rate 8, RR 1.6, short lag



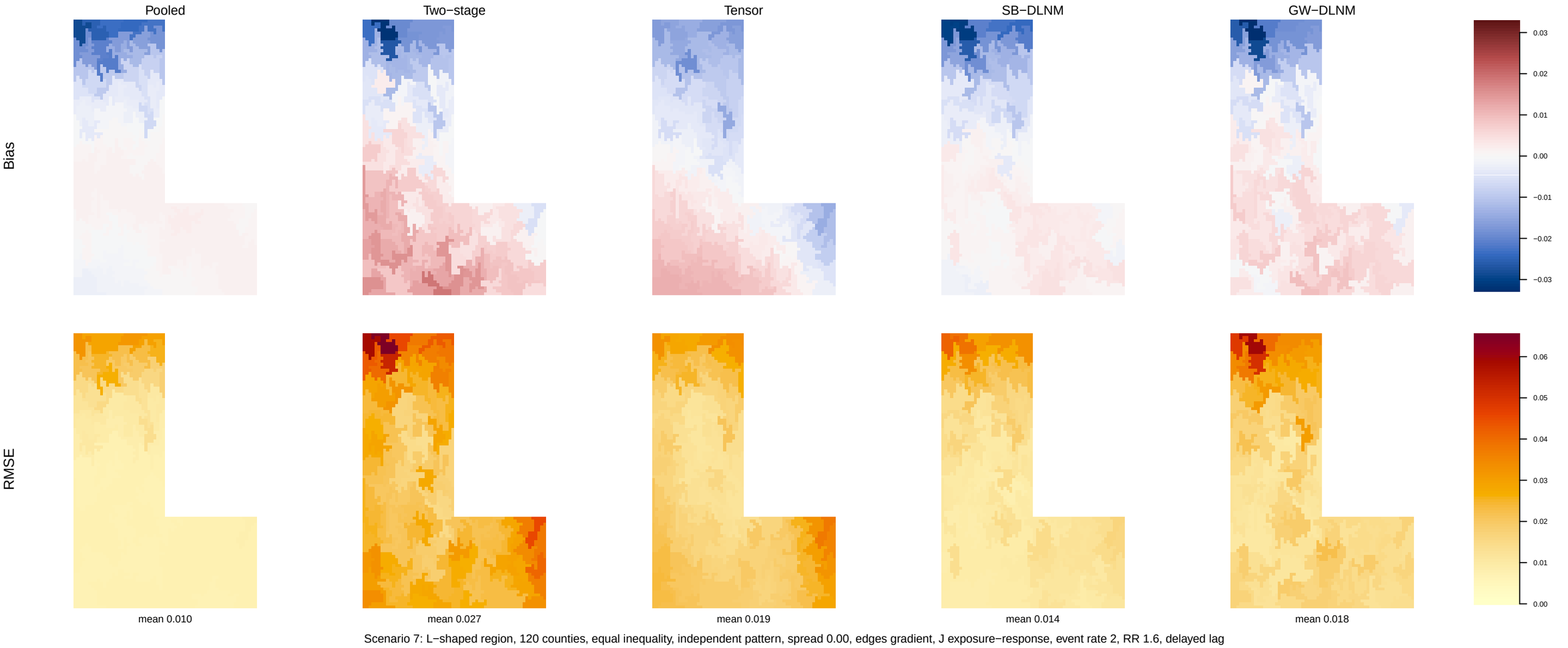
Scenario 979: L−shaped region, 60 counties, mild inequality, boundary pattern, spread 0.50, NS gradient, J exposure−response, event rate 0.125, RR 1.2, harvest lag



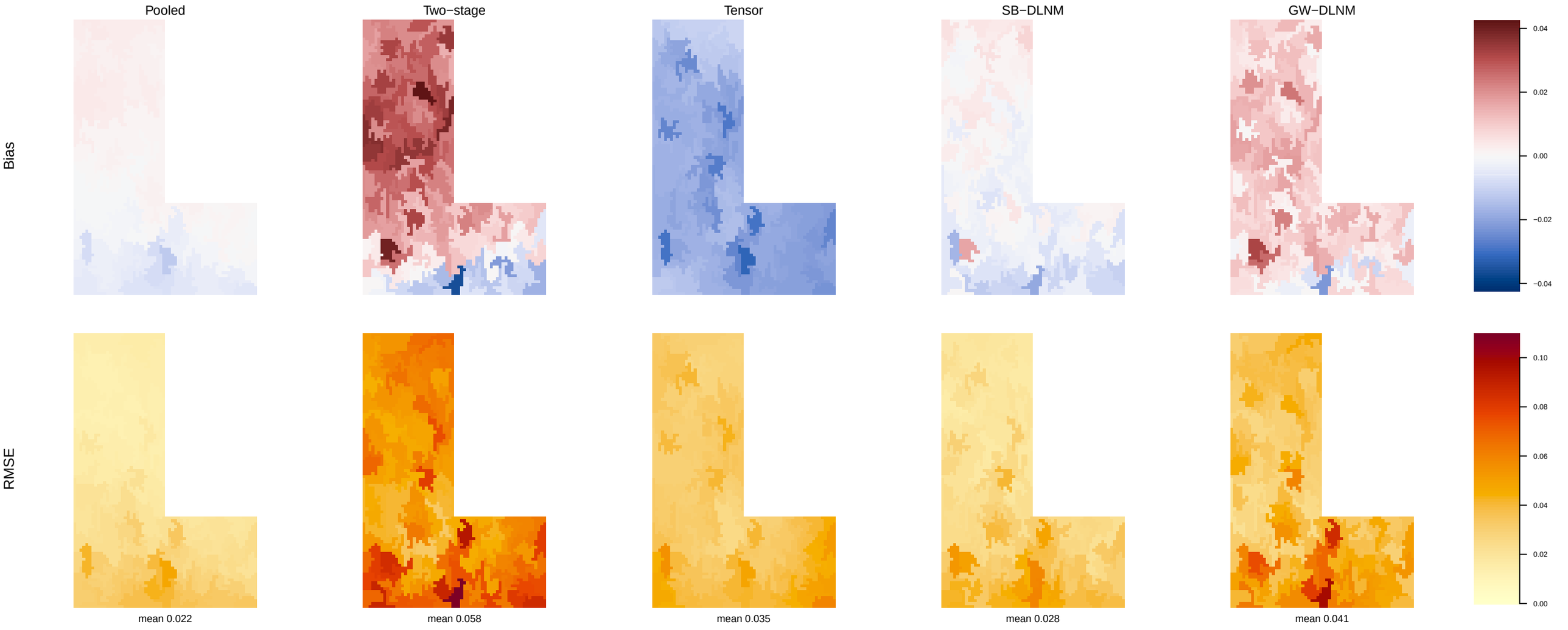
Scenario 915: L−shaped region, 60 counties, mild inequality, regional pattern, spread 0.50, ridge gradient, J exposure−response, event rate 0.5, RR 1.4, delayed lag



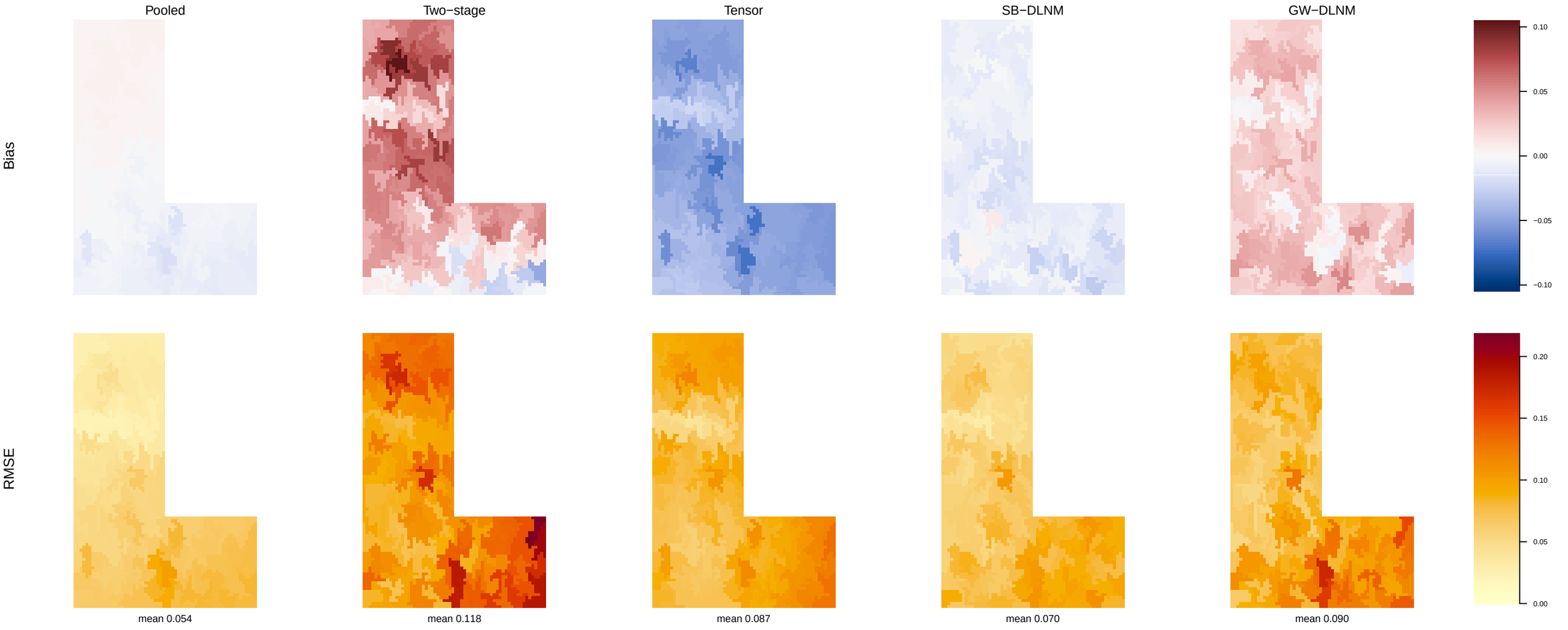
Scenario 851: L−shaped region, 60 counties, mild inequality, local pattern, spread 0.50, valley gradient, J exposure−response, event rate 2, RR 1.0, decay lag



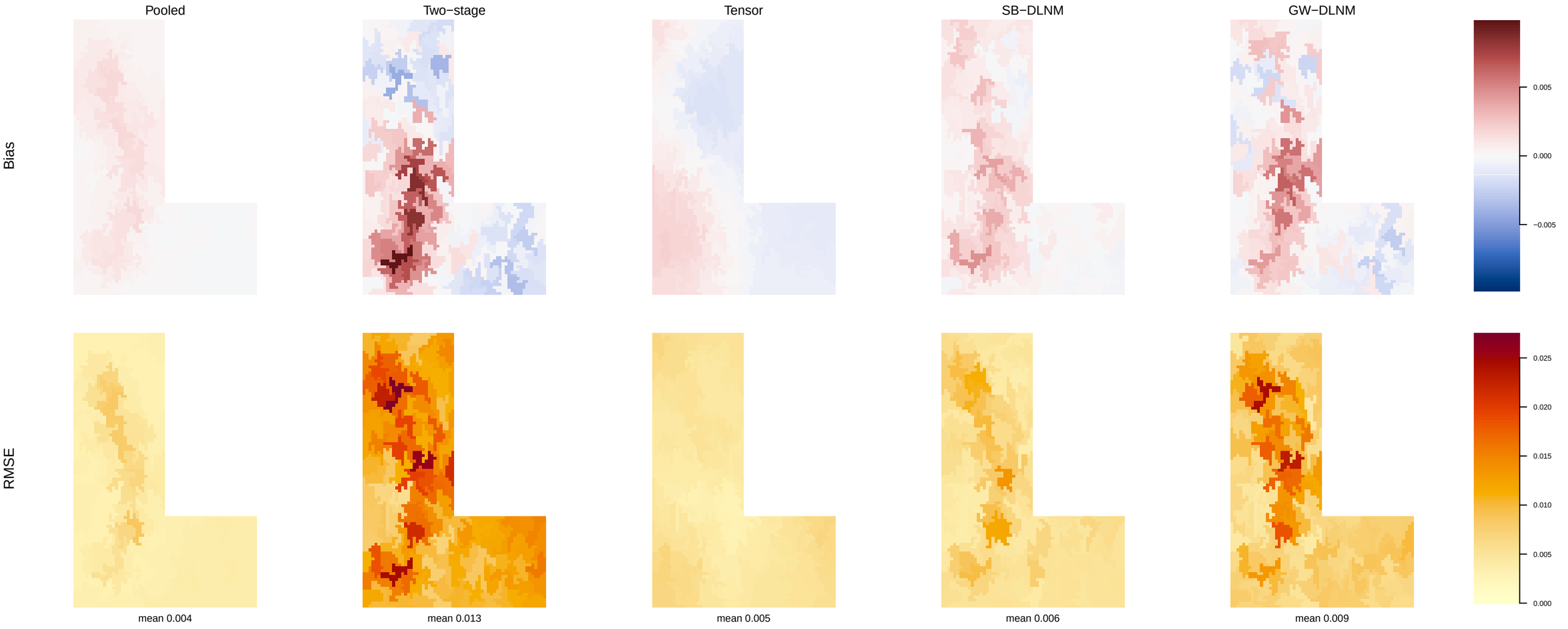
Scenario 7: L−shaped region, 120 counties, equal inequality, independent pattern, spread 0.00, edges gradient, J exposure−response, event rate 2, RR 1.6, delayed lag



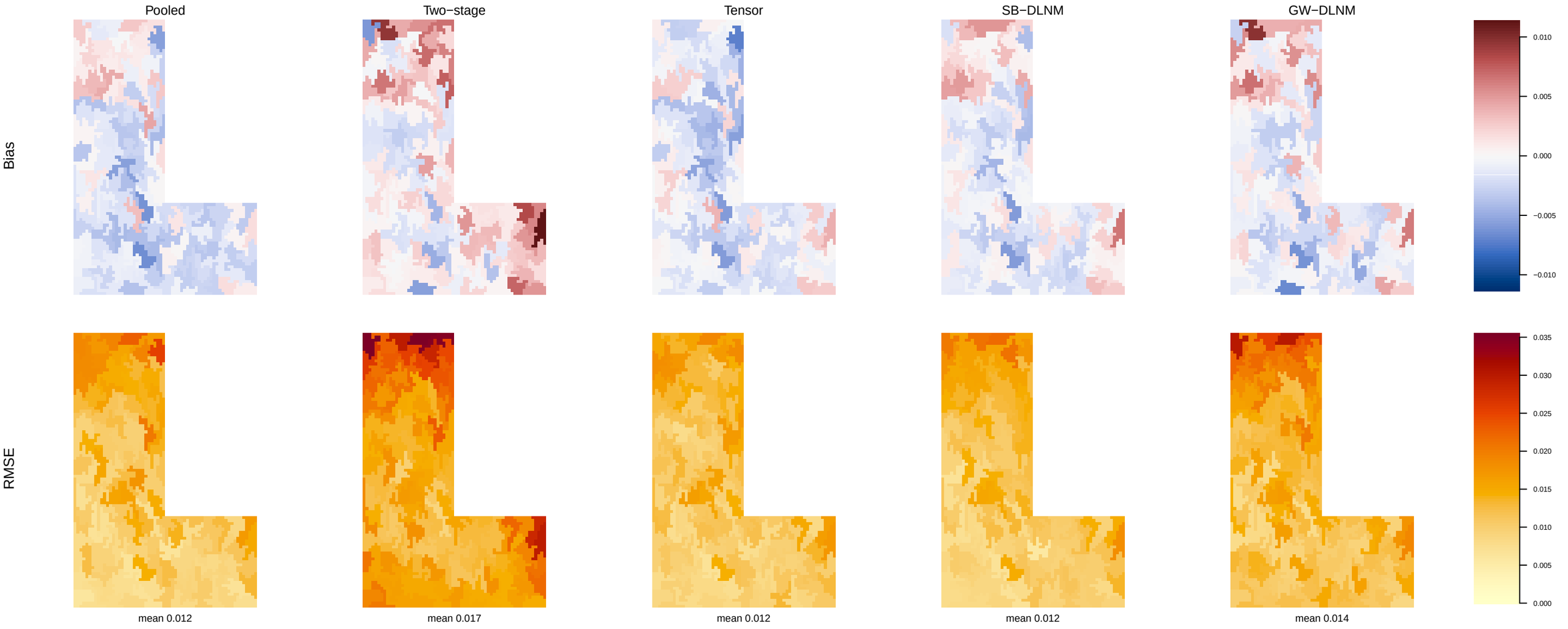
Scenario 199: L−shaped region, 120 counties, equal inequality, boundary pattern, spread 0.00, NS gradient, J exposure−response, event rate 0.5, RR 1.2, decay lag



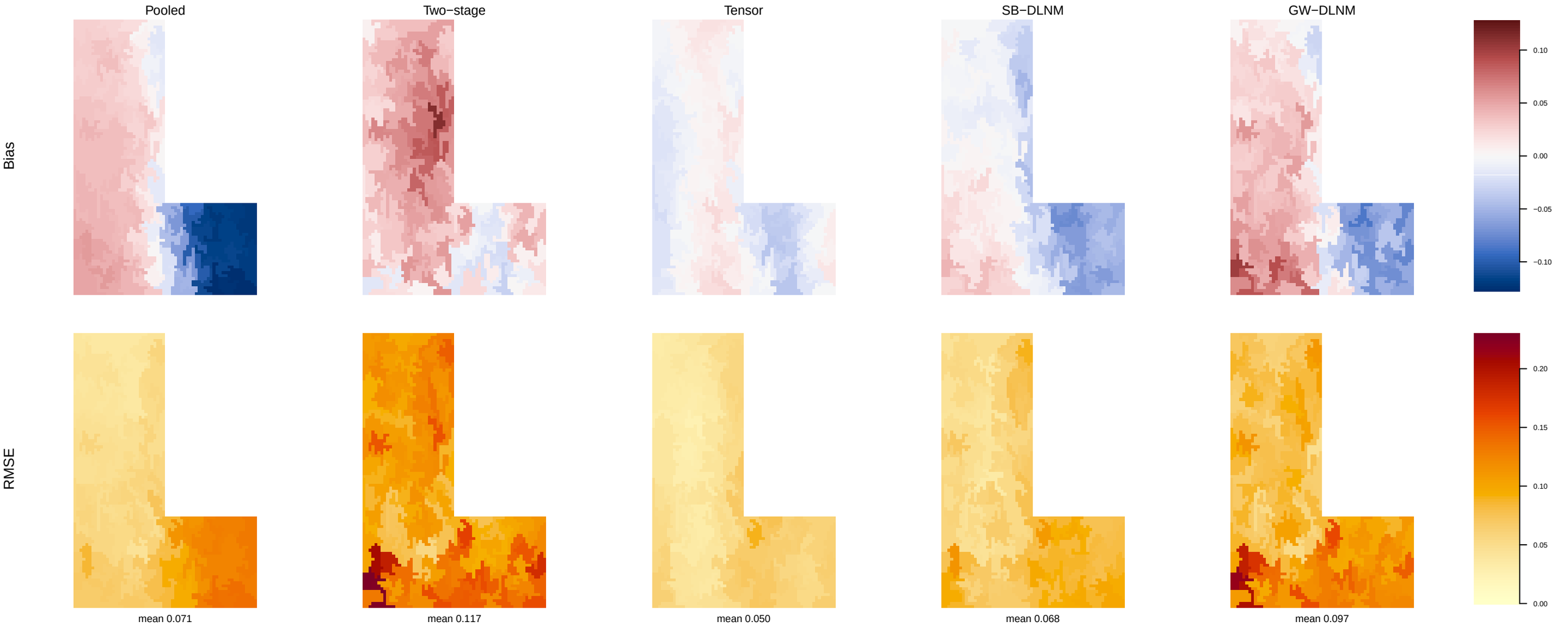
Scenario 135: L−shaped region, 120 counties, equal inequality, regional pattern, spread 0.00, ridge gradient, J exposure−response, event rate 0.125, RR 1.4, short lag



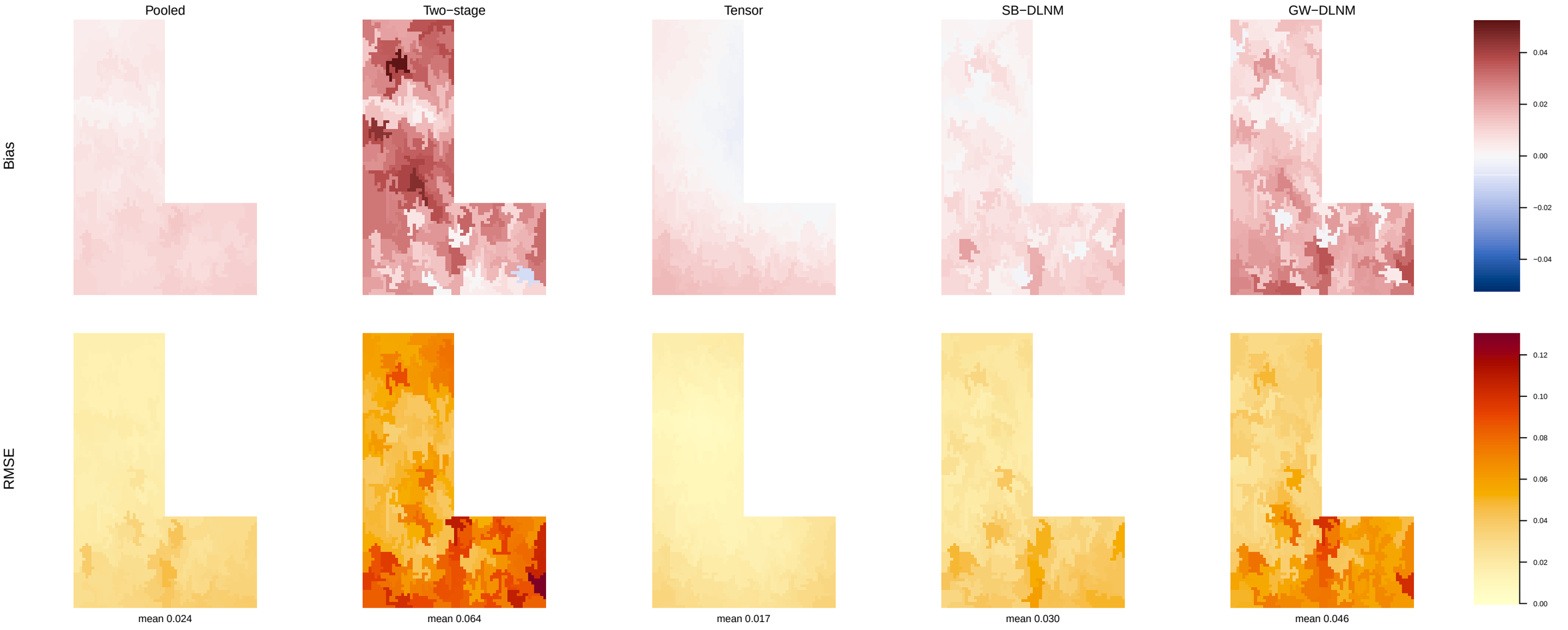
Scenario 71: L−shaped region, 120 counties, equal inequality, local pattern, spread 0.00, valley gradient, J exposure−response, event rate 8, RR 1.0, harvest lag



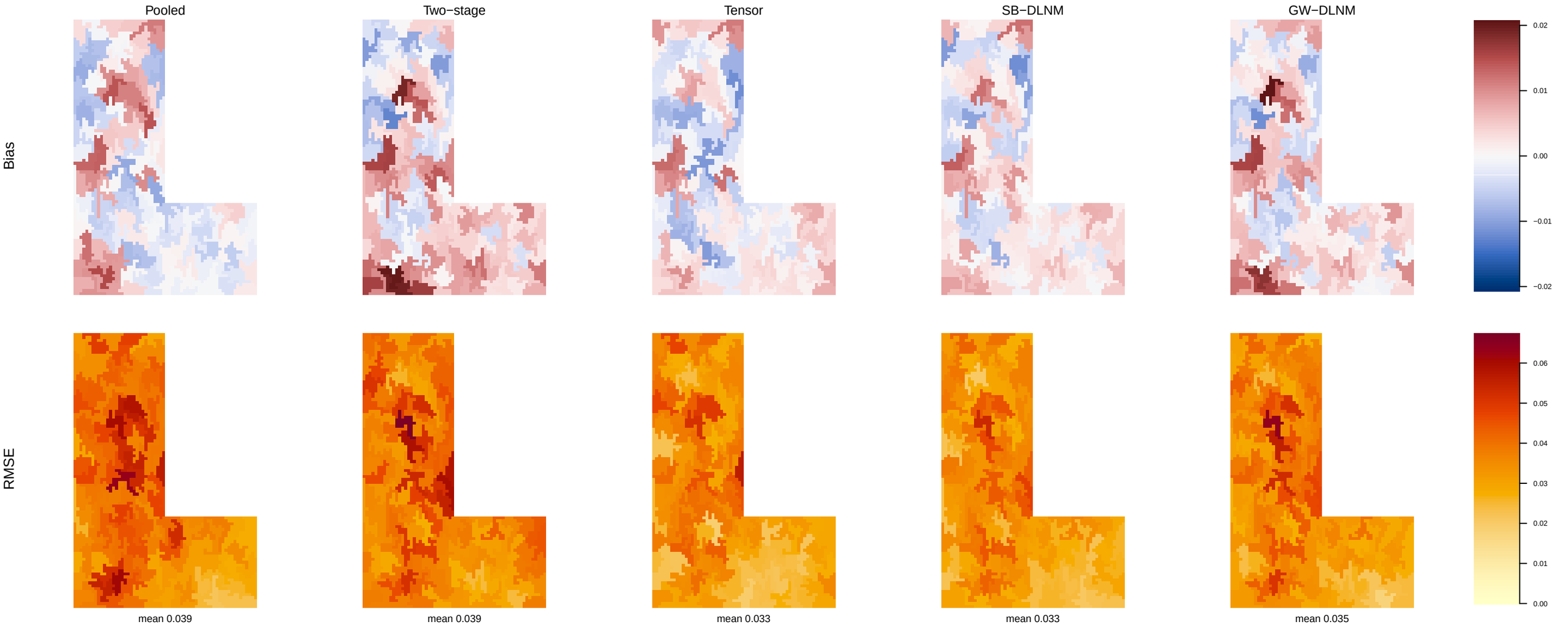
Scenario 263: L−shaped region, 120 counties, equal inequality, independent pattern, spread 0.15, edges gradient, linear exposure−response, event rate 8, RR 1.2, decay lag



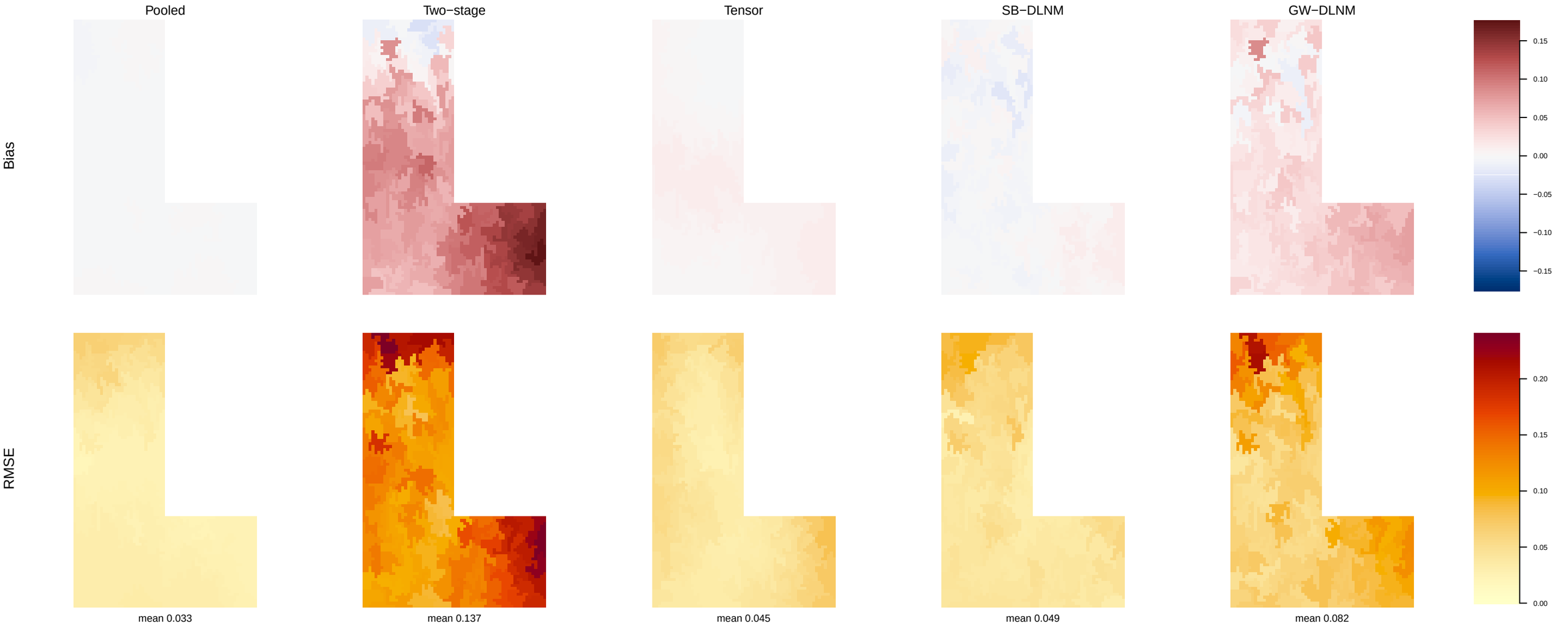
Scenario 455: L−shaped region, 120 counties, equal inequality, boundary pattern, spread 0.15, NS gradient, linear exposure−response, event rate 0.125, RR 1.6, delayed lag



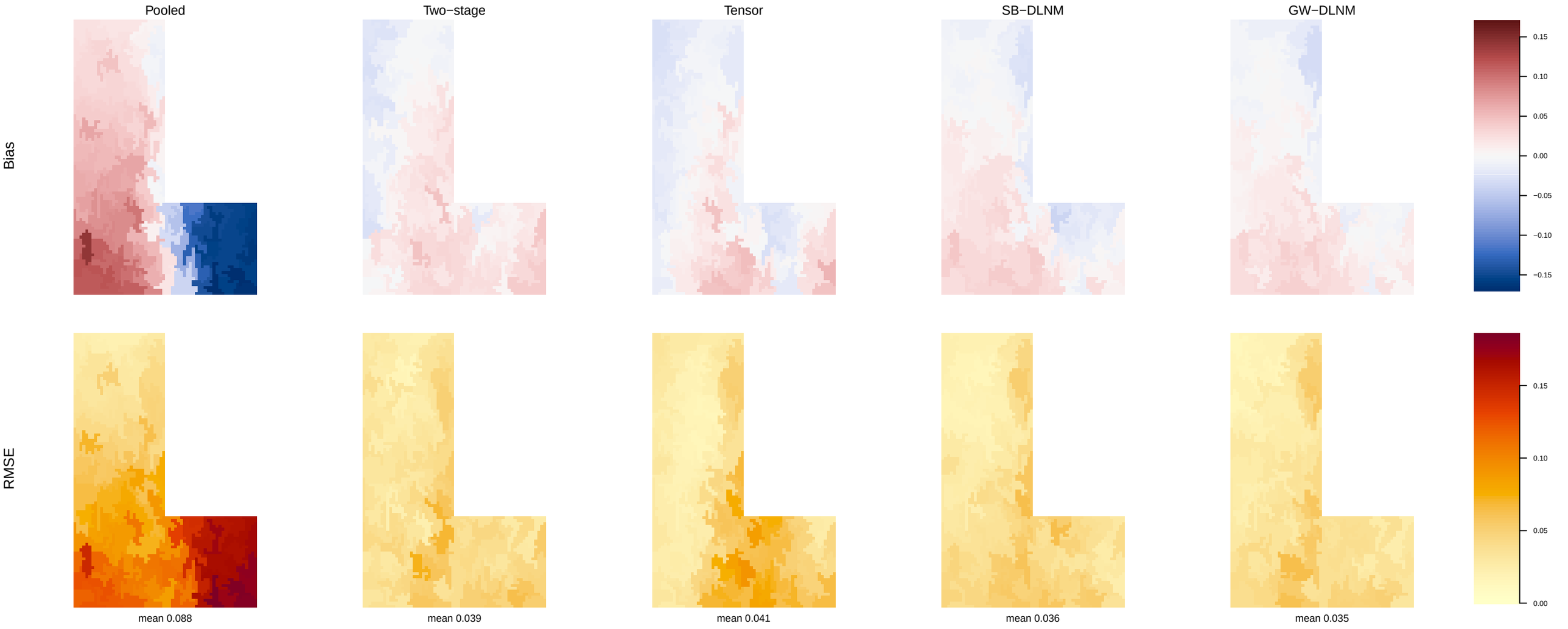
Scenario 391: L−shaped region, 120 counties, equal inequality, regional pattern, spread 0.15, ridge gradient, linear exposure−response, event rate 0.5, RR 1.0, harvest lag



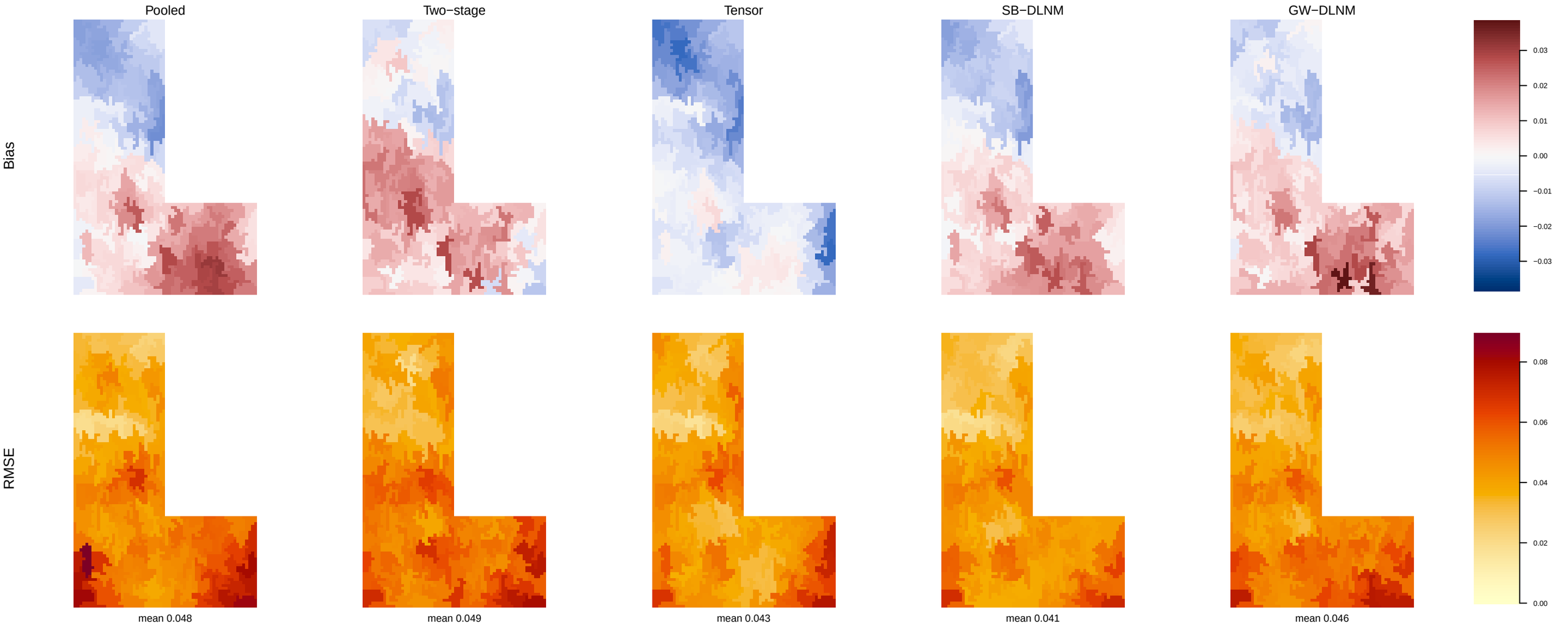
Scenario 327: L−shaped region, 120 counties, equal inequality, local pattern, spread 0.15, valley gradient, linear exposure−response, event rate 2, RR 1.4, short lag



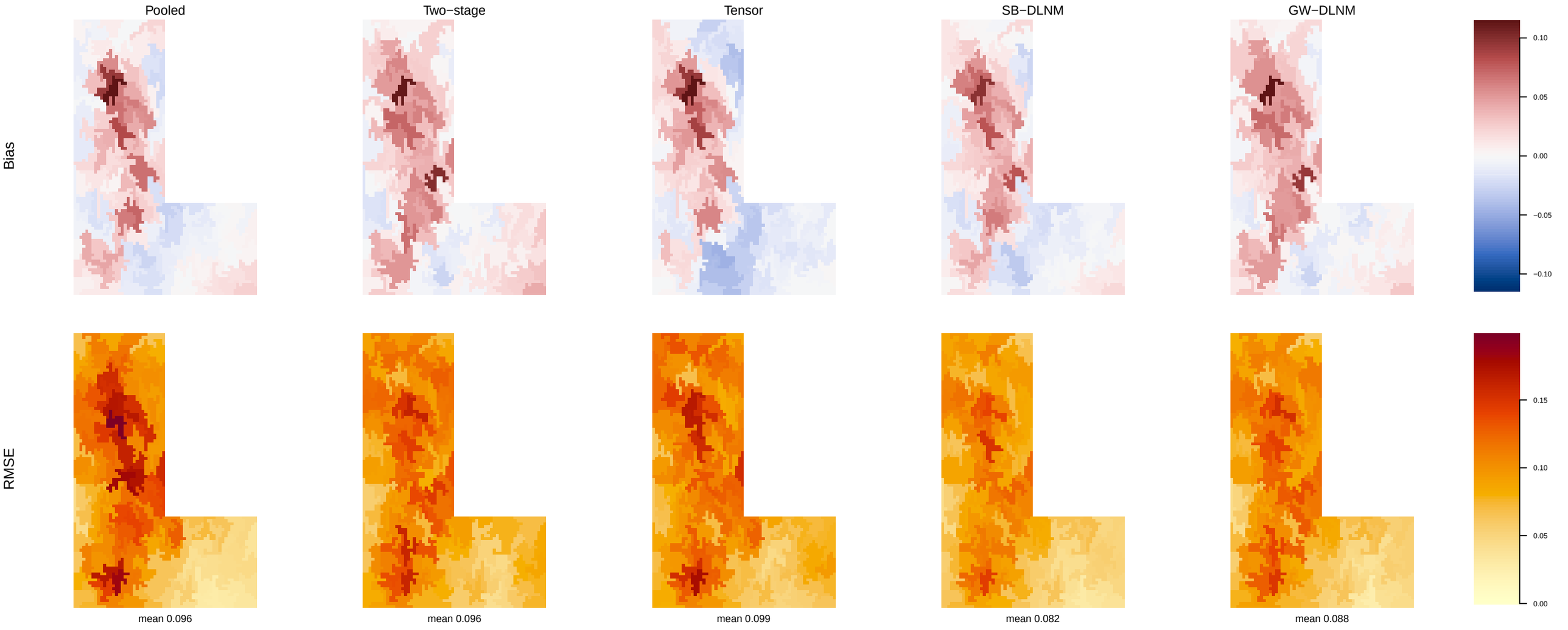
Scenario 519: L−shaped region, 120 counties, equal inequality, independent pattern, spread 0.30, edges gradient, threshold exposure−response, event rate 0.125, RR 1.0, harvest lag



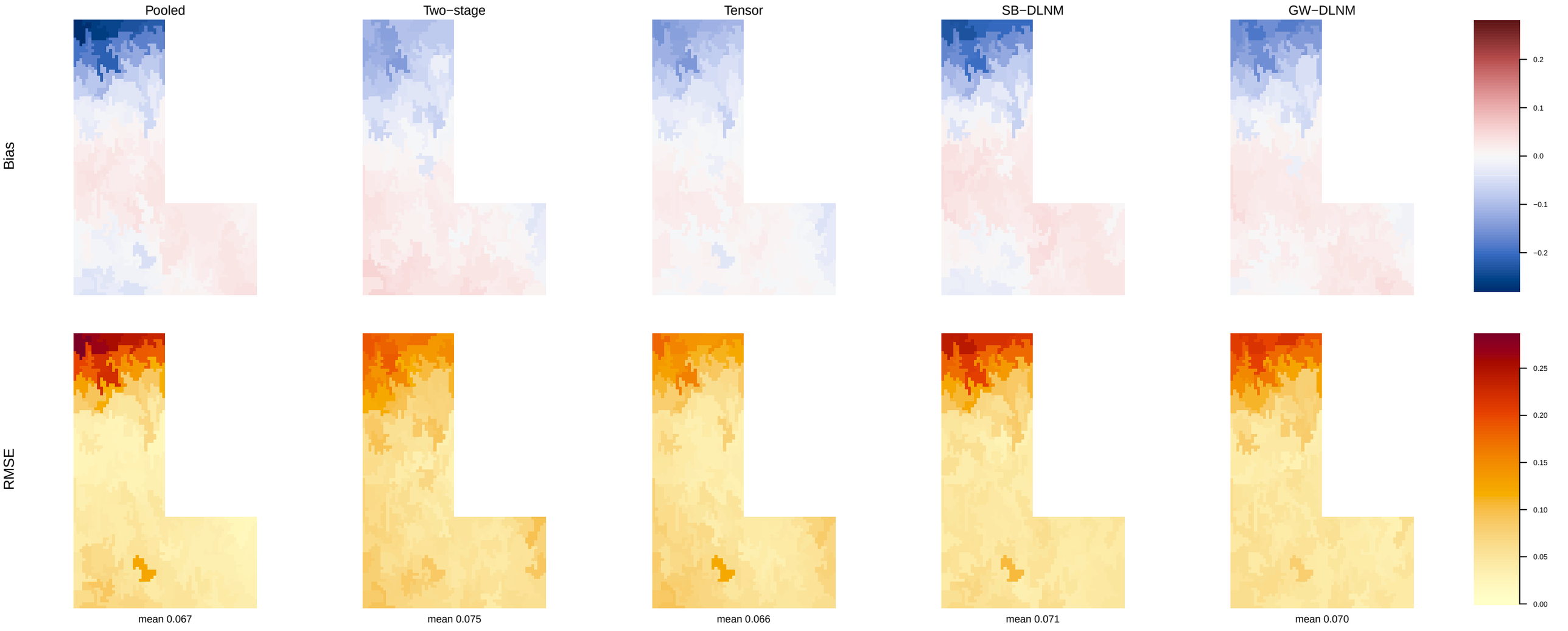
Scenario 711: L−shaped region, 120 counties, equal inequality, boundary pattern, spread 0.30, NS gradient, threshold exposure−response, event rate 8, RR 1.4, short lag



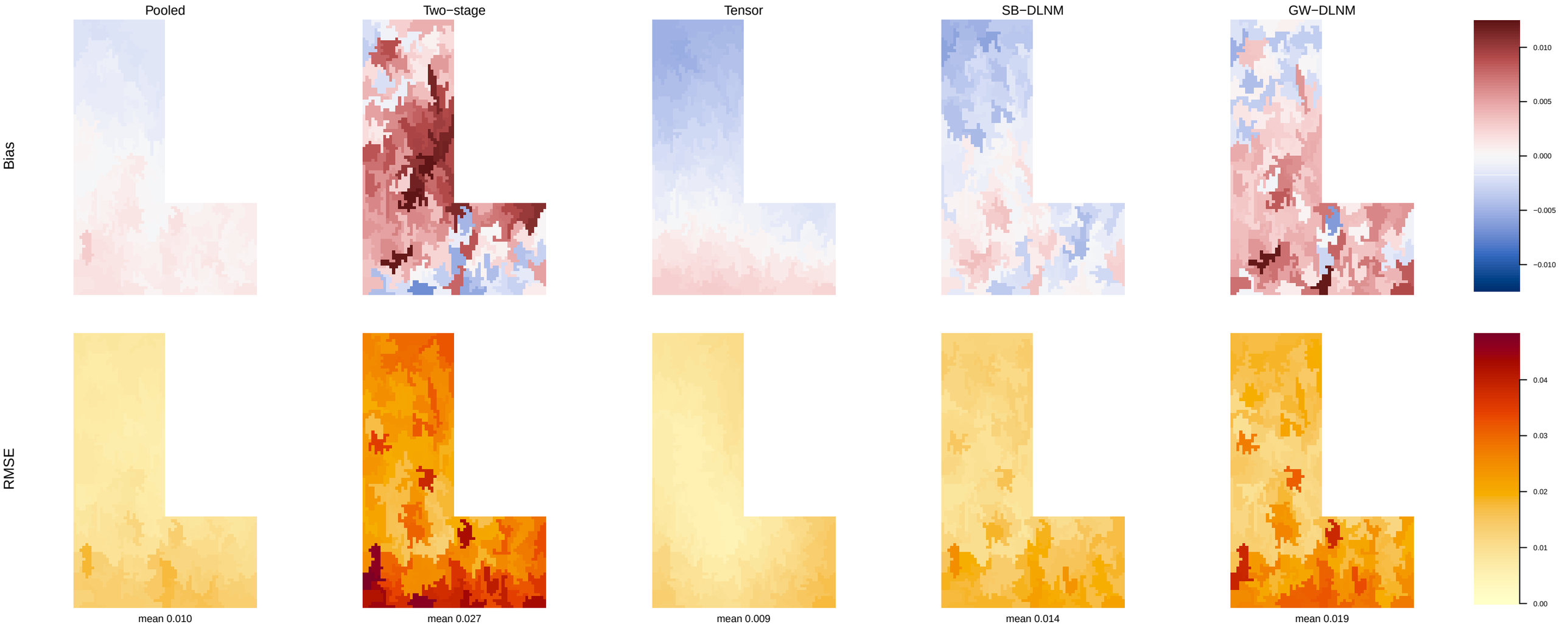
Scenario 647: L−shaped region, 120 counties, equal inequality, regional pattern, spread 0.30, ridge gradient, threshold exposure−response, event rate 2, RR 1.2, decay lag



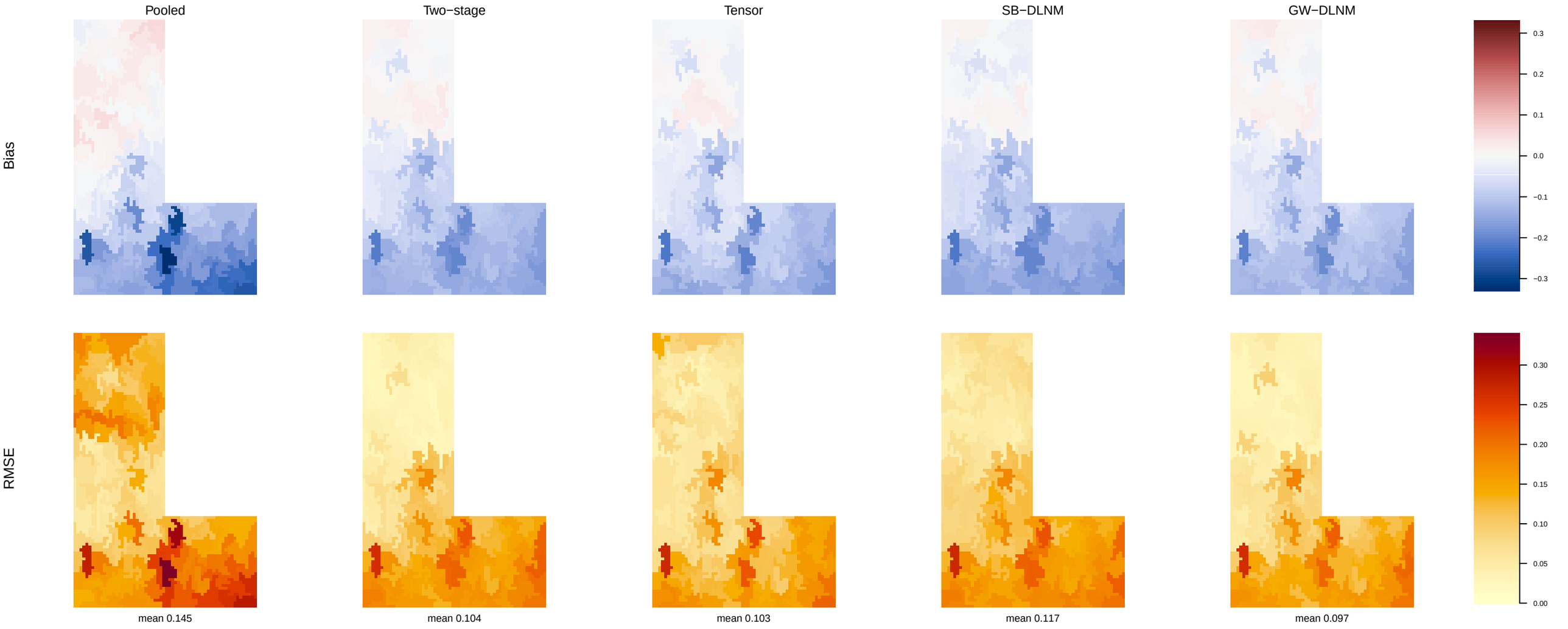
Scenario 583: L−shaped region, 120 counties, equal inequality, local pattern, spread 0.30, valley gradient, threshold exposure−response, event rate 0.5, RR 1.6, delayed lag



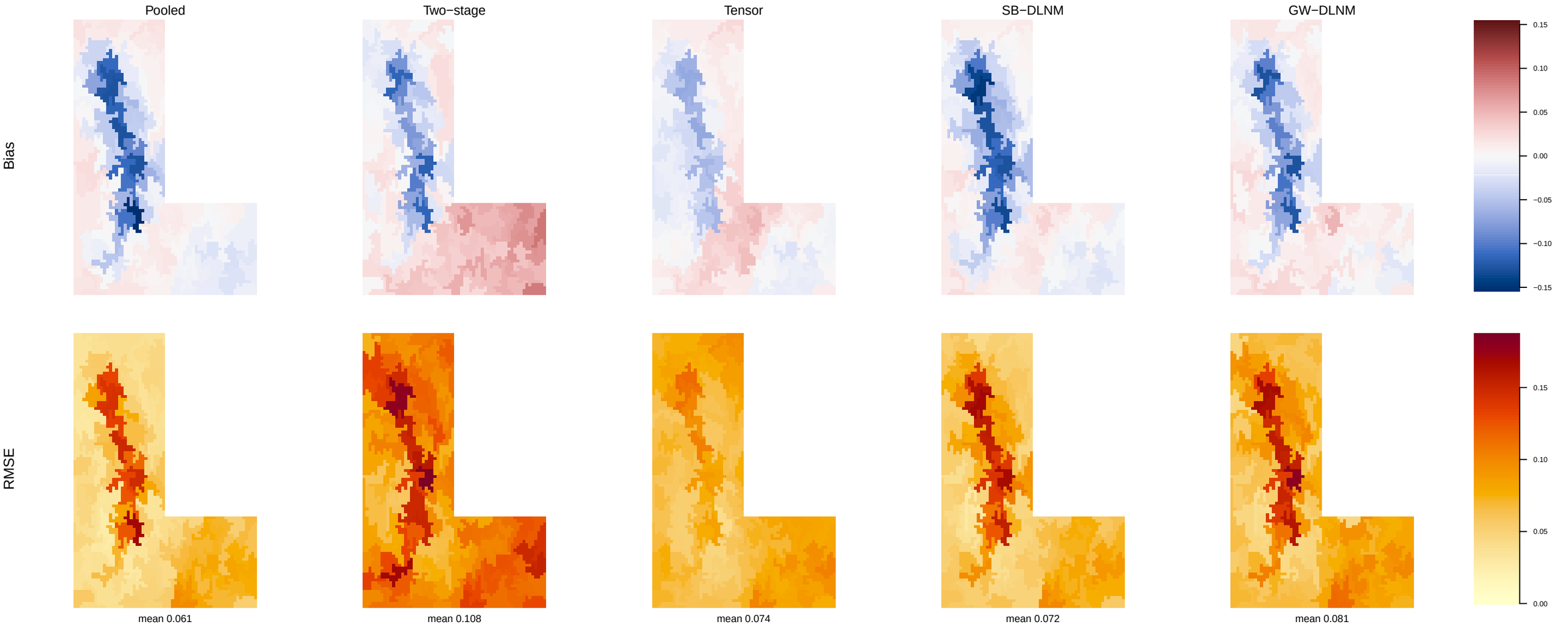
Scenario 775: L−shaped region, 120 counties, equal inequality, independent pattern, spread 0.50, edges gradient, unimodal exposure−response, event rate 0.5, RR 1.4, short lag



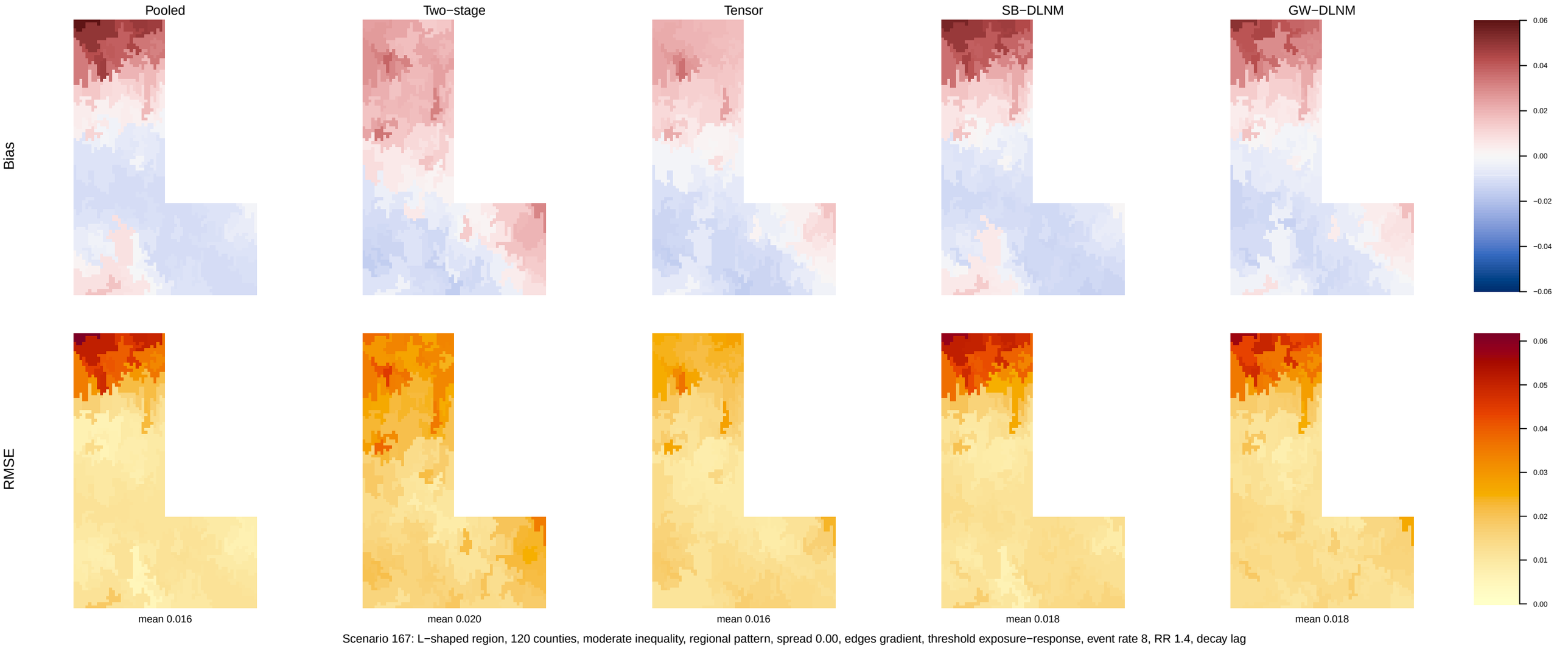
Scenario 967: L−shaped region, 120 counties, equal inequality, boundary pattern, spread 0.50, NS gradient, unimodal exposure−response, event rate 2, RR 1.0, harvest lag



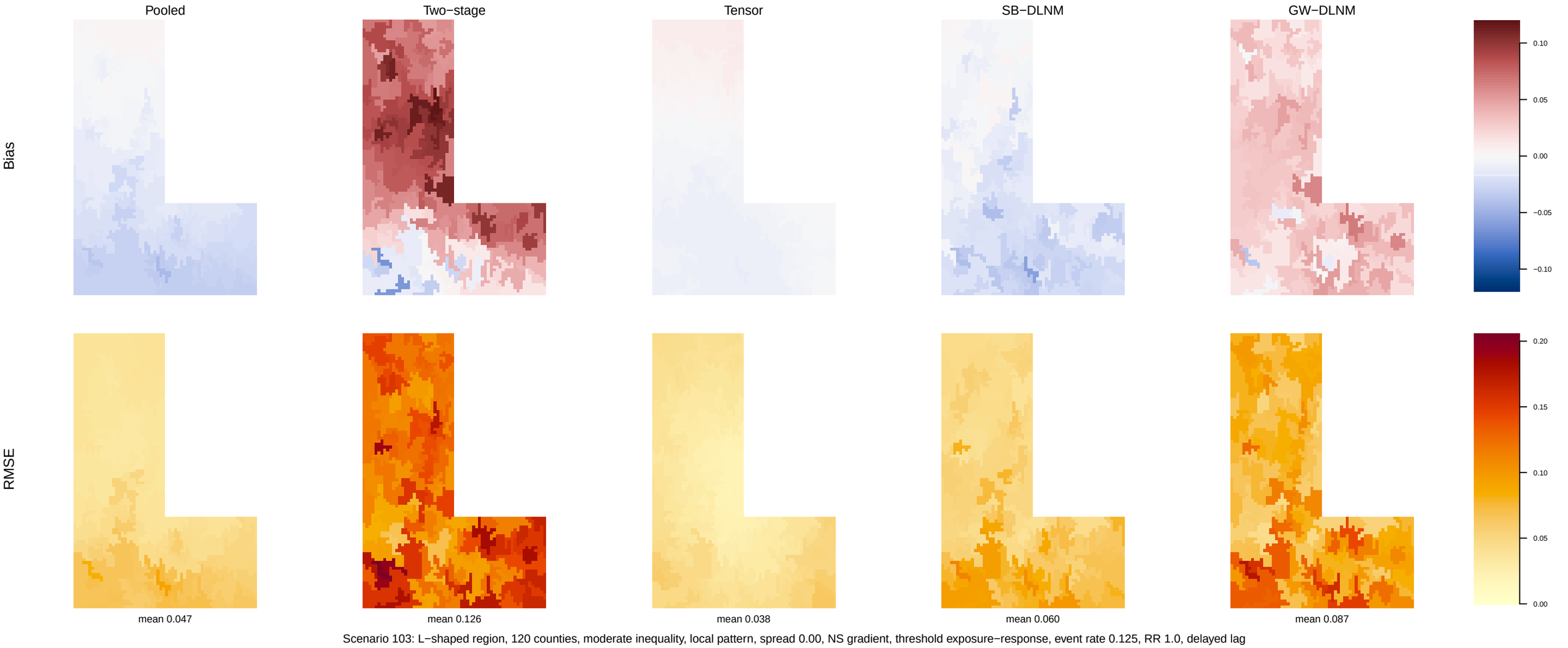
Scenario 903: L−shaped region, 120 counties, equal inequality, regional pattern, spread 0.50, ridge gradient, unimodal exposure−response, event rate 8, RR 1.6, delayed lag



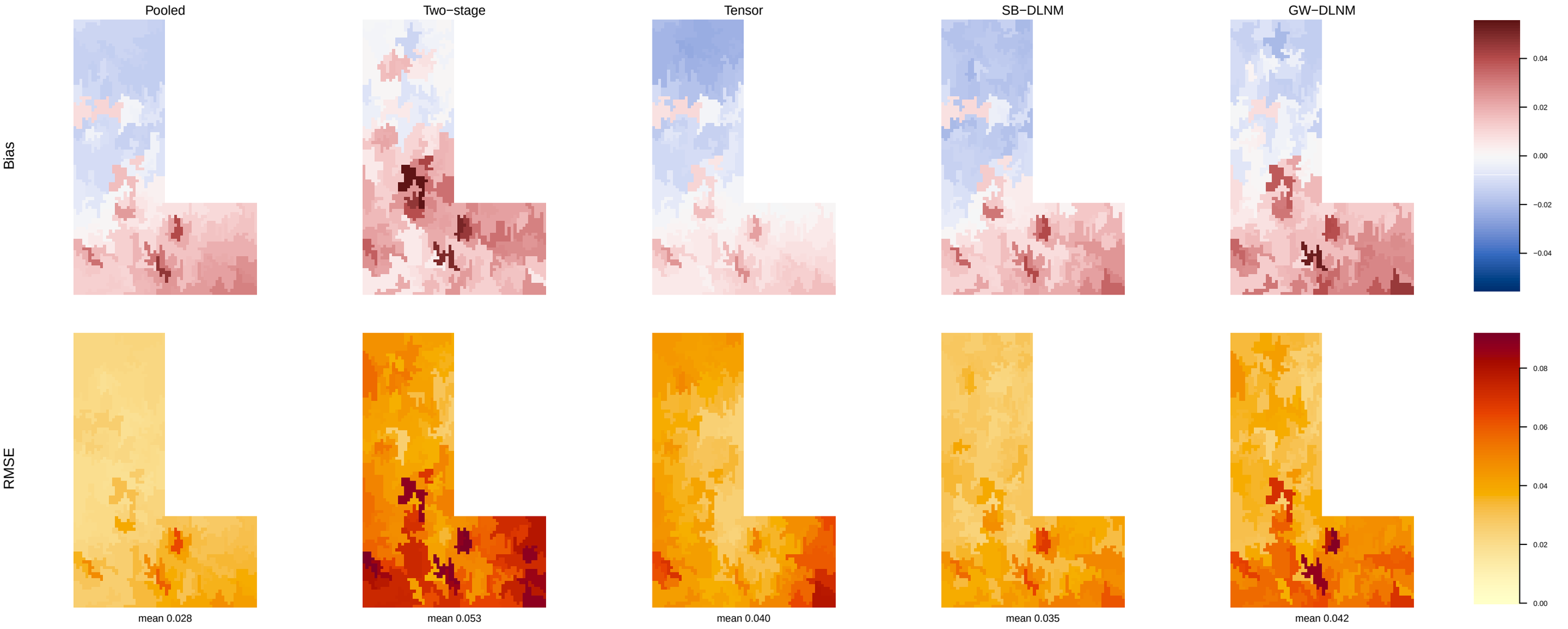
Scenario 839: L−shaped region, 120 counties, equal inequality, local pattern, spread 0.50, valley gradient, unimodal exposure−response, event rate 0.125, RR 1.2, decay lag



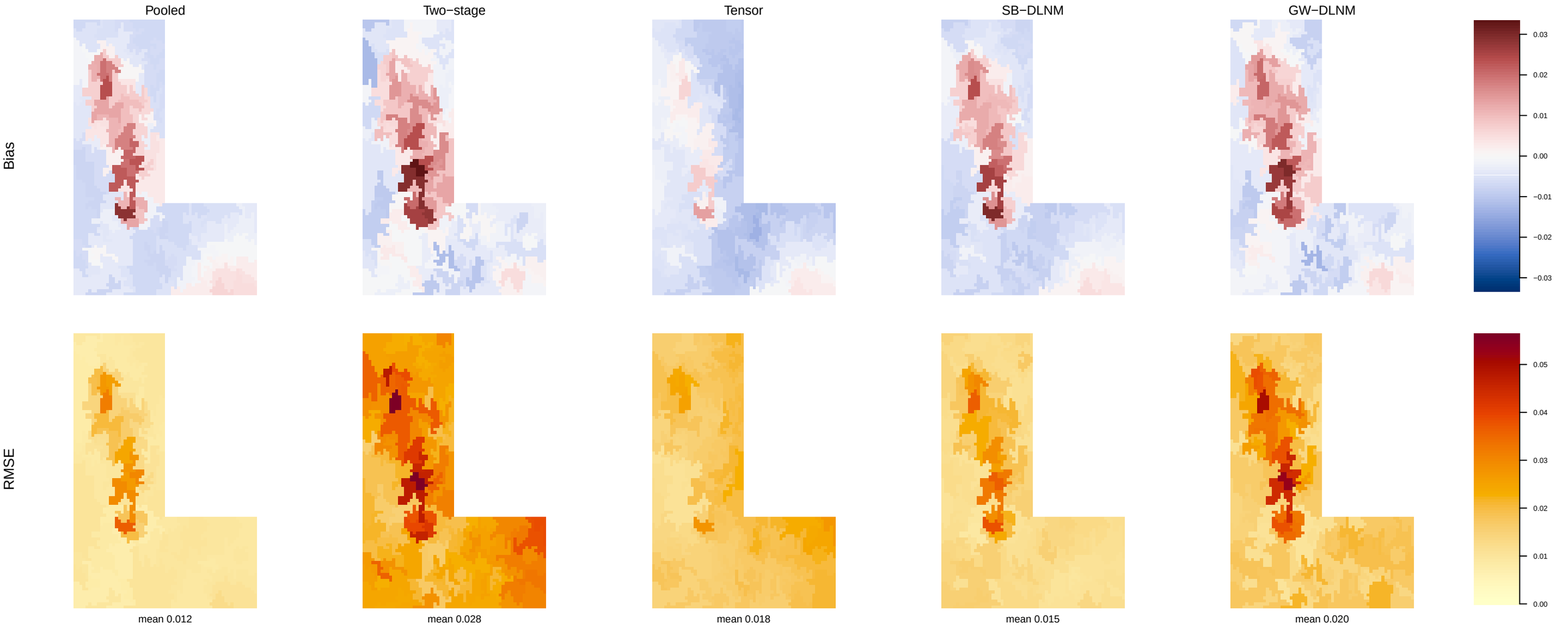
Scenario 167: L−shaped region, 120 counties, moderate inequality, regional pattern, spread 0.00, edges gradient, threshold exposure−response, event rate 8, RR 1.4, decay lag



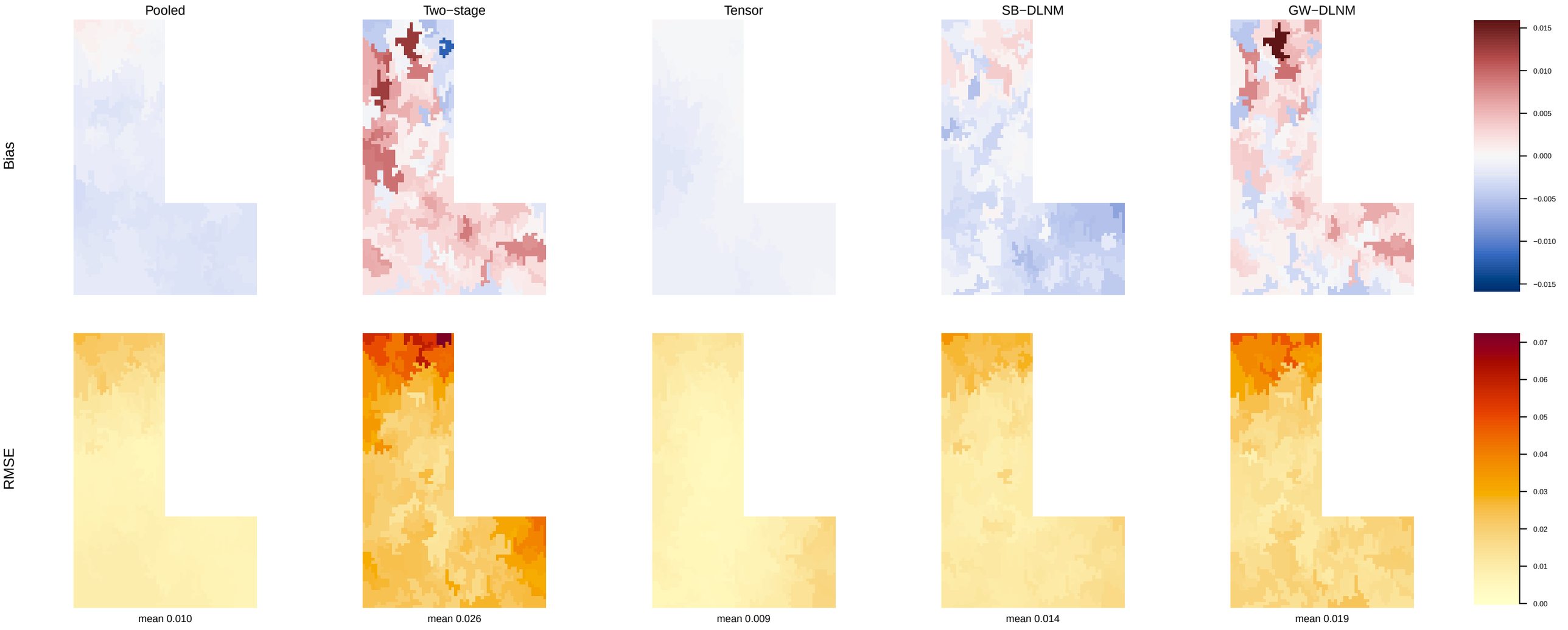
Scenario 103: L−shaped region, 120 counties, moderate inequality, local pattern, spread 0.00, NS gradient, threshold exposure−response, event rate 0.125, RR 1.0, delayed lag



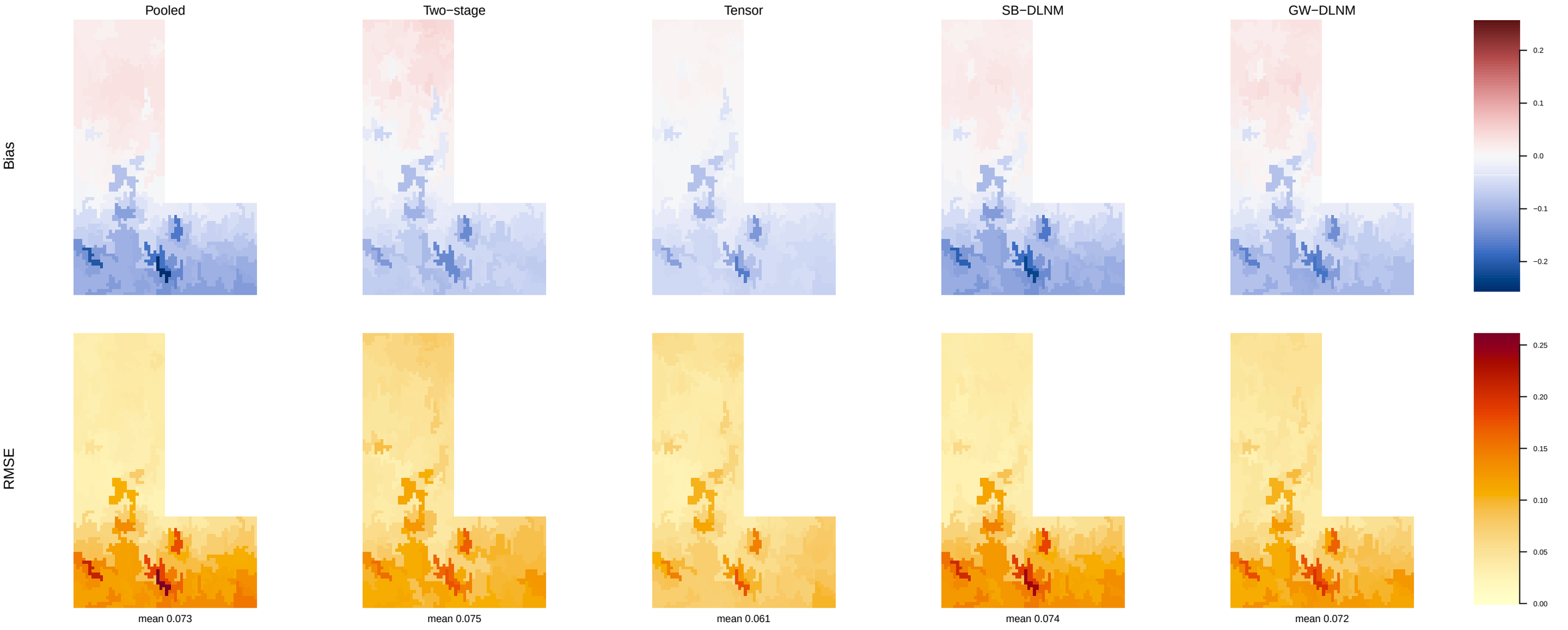
Scenario 39: L−shaped region, 120 counties, moderate inequality, independent pattern, spread 0.00, ridge gradient, threshold exposure−response, event rate 0.5, RR 1.6, harvest lag



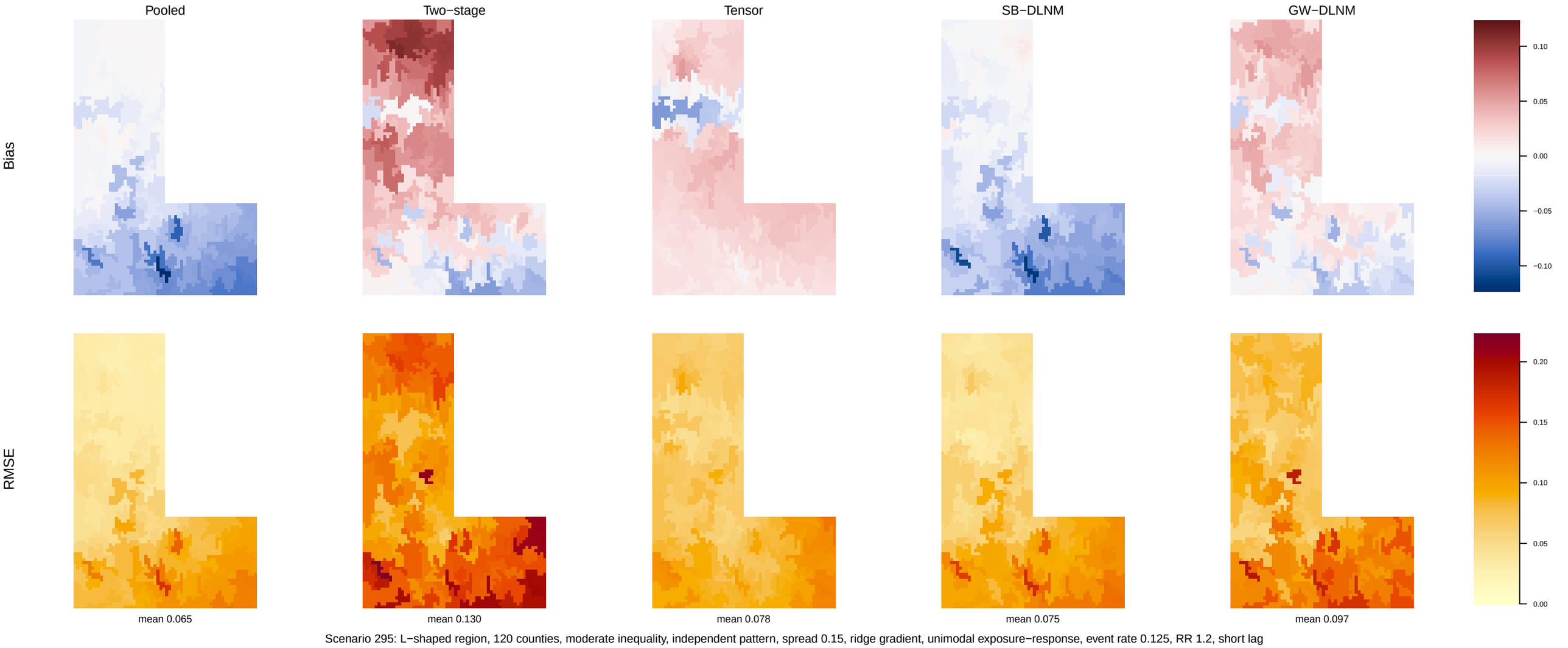
Scenario 231: L−shaped region, 120 counties, moderate inequality, boundary pattern, spread 0.00, valley gradient, threshold exposure−response, event rate 2, RR 1.2, short lag



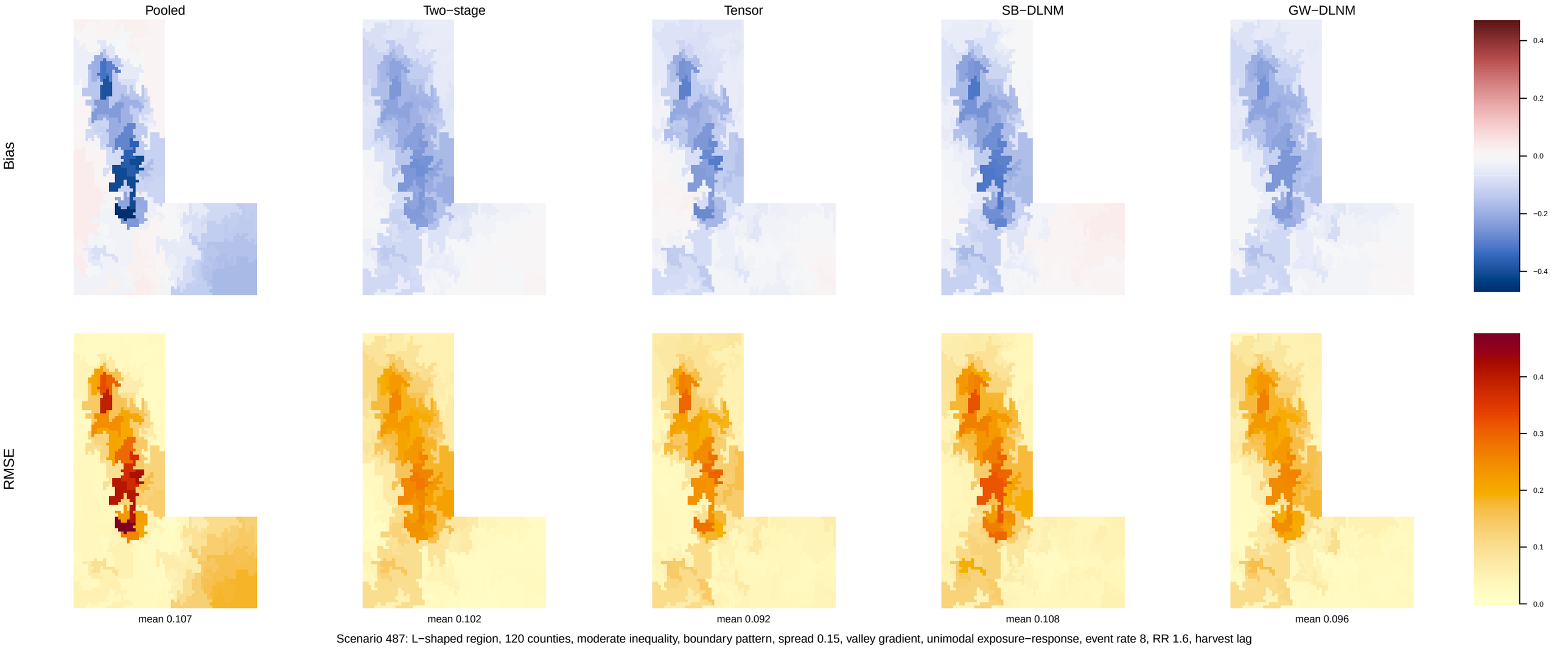
Scenario 423: L−shaped region, 120 counties, moderate inequality, regional pattern, spread 0.15, edges gradient, unimodal exposure−response, event rate 2, RR 1.0, delayed lag



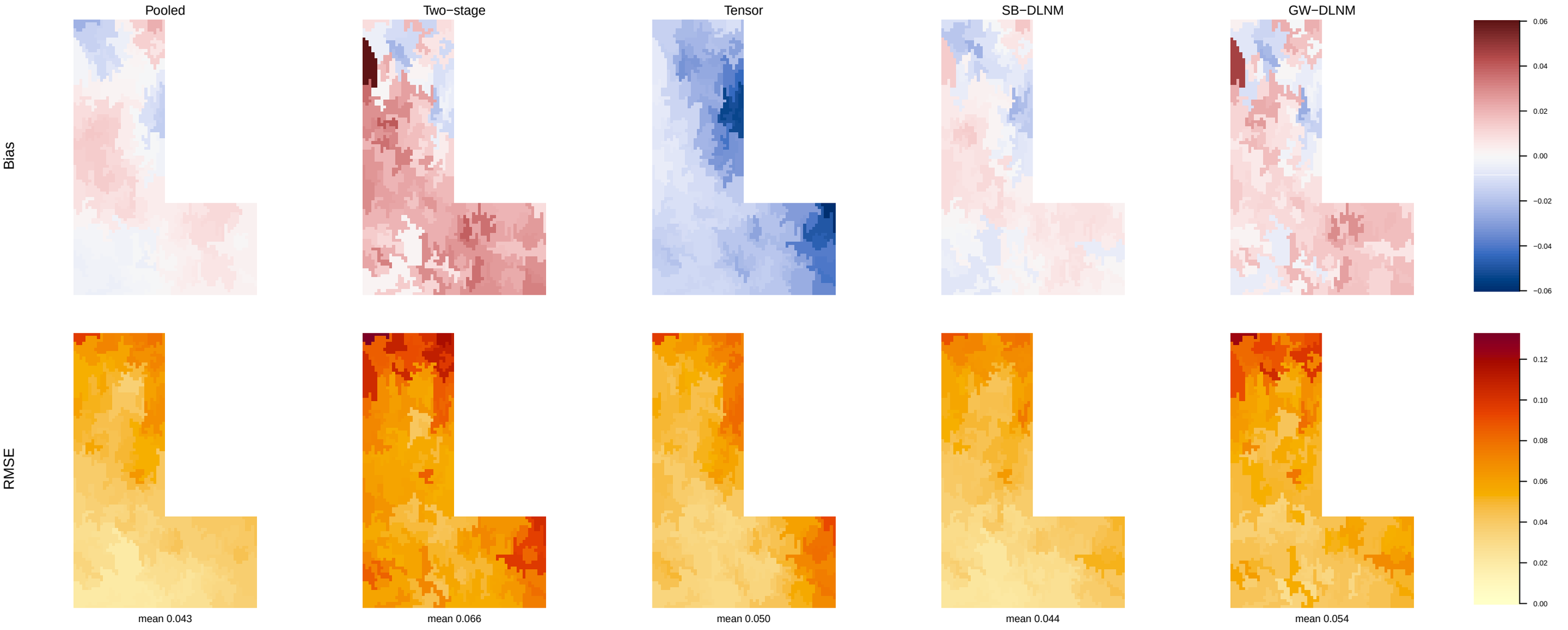
Scenario 359: L−shaped region, 120 counties, moderate inequality, local pattern, spread 0.15, NS gradient, unimodal exposure−response, event rate 0.5, RR 1.4, decay lag



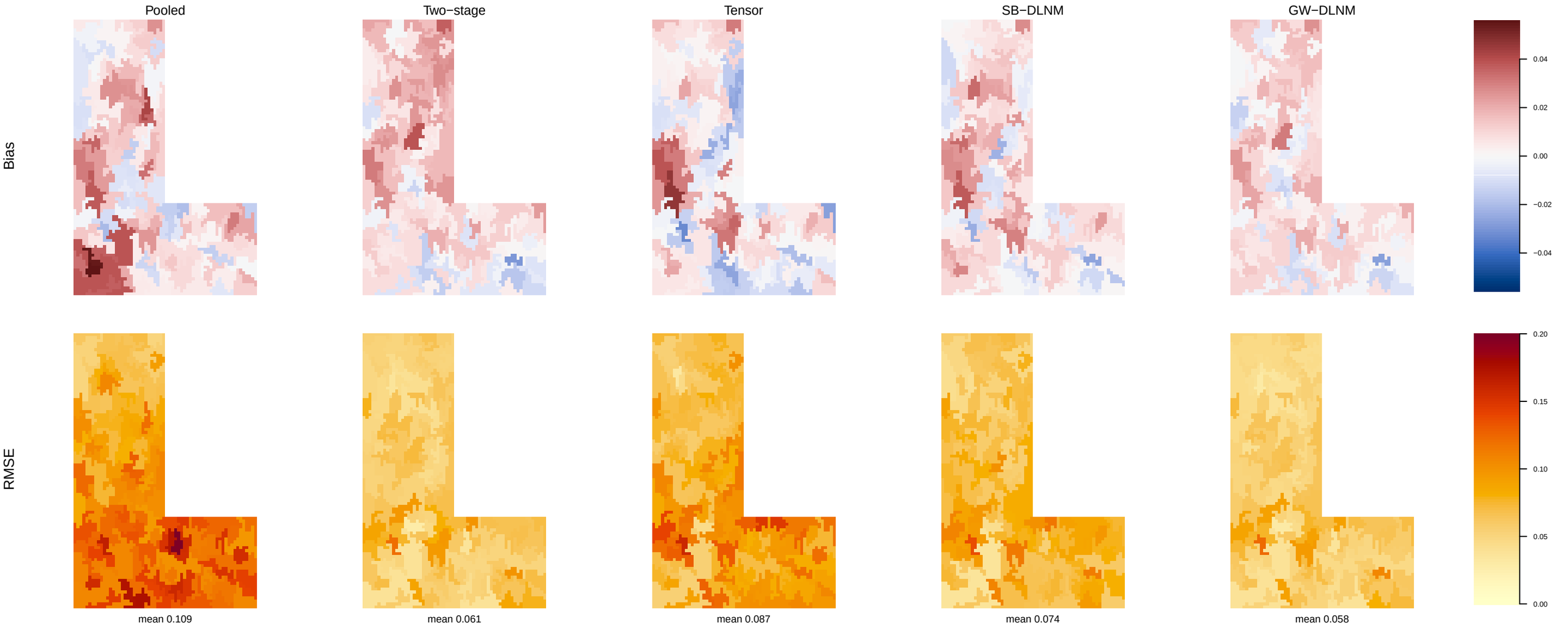
Scenario 295: L−shaped region, 120 counties, moderate inequality, independent pattern, spread 0.15, ridge gradient, unimodal exposure−response, event rate 0.125, RR 1.2, short lag



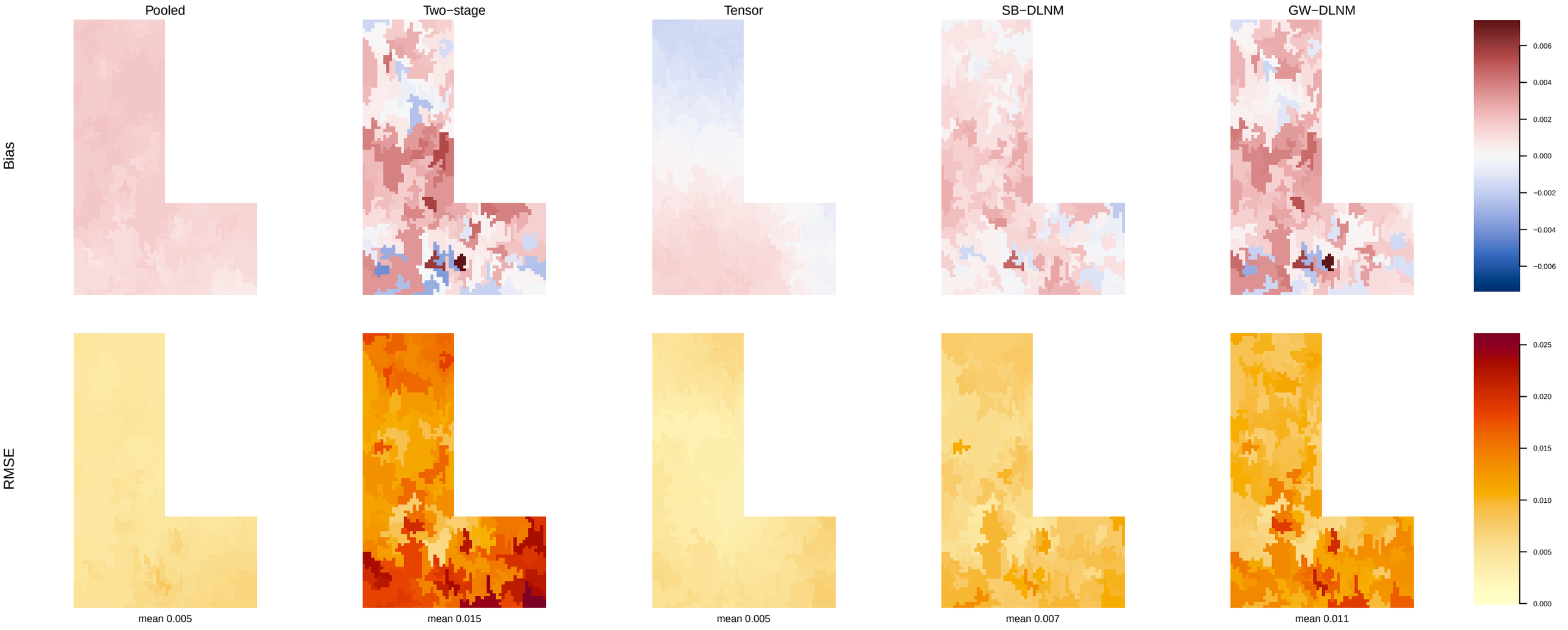
Scenario 487: L−shaped region, 120 counties, moderate inequality, boundary pattern, spread 0.15, valley gradient, unimodal exposure−response, event rate 8, RR 1.6, harvest lag



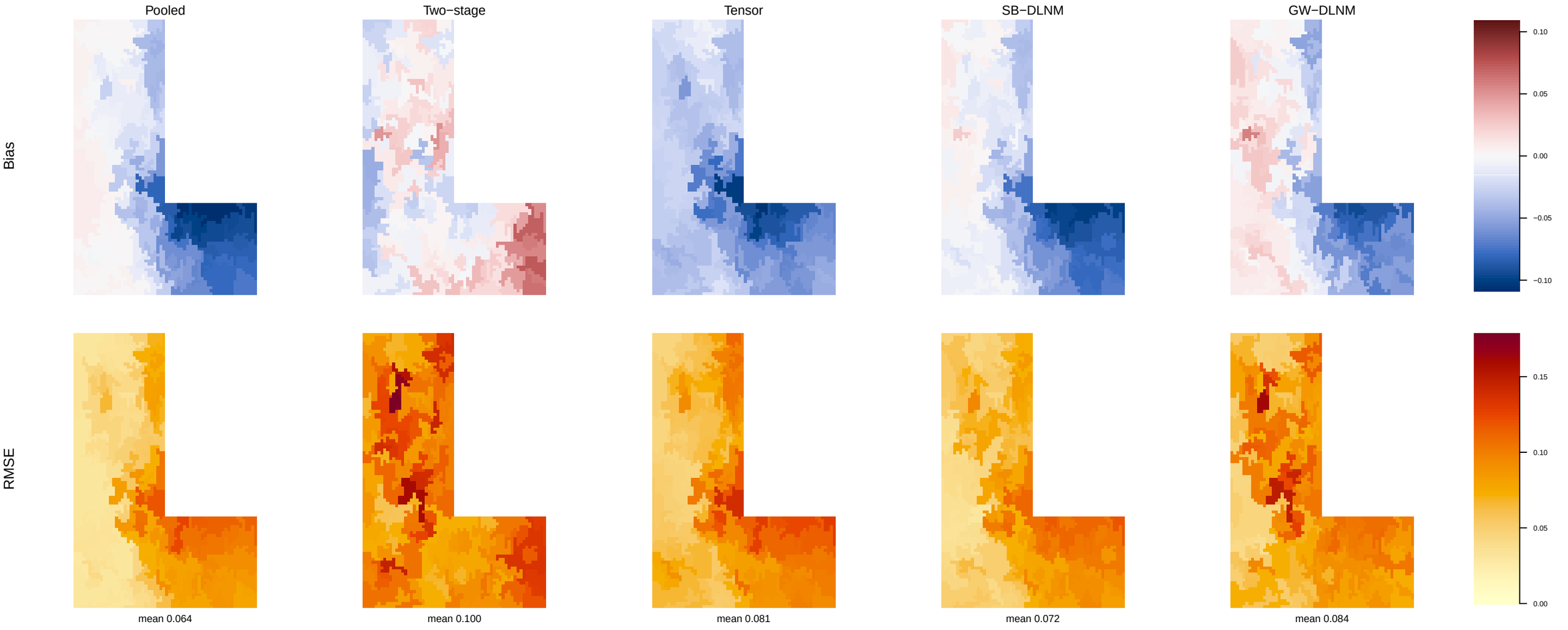
Scenario 679: L−shaped region, 120 counties, moderate inequality, regional pattern, spread 0.30, edges gradient, J exposure−response, event rate 0.5, RR 1.2, short lag



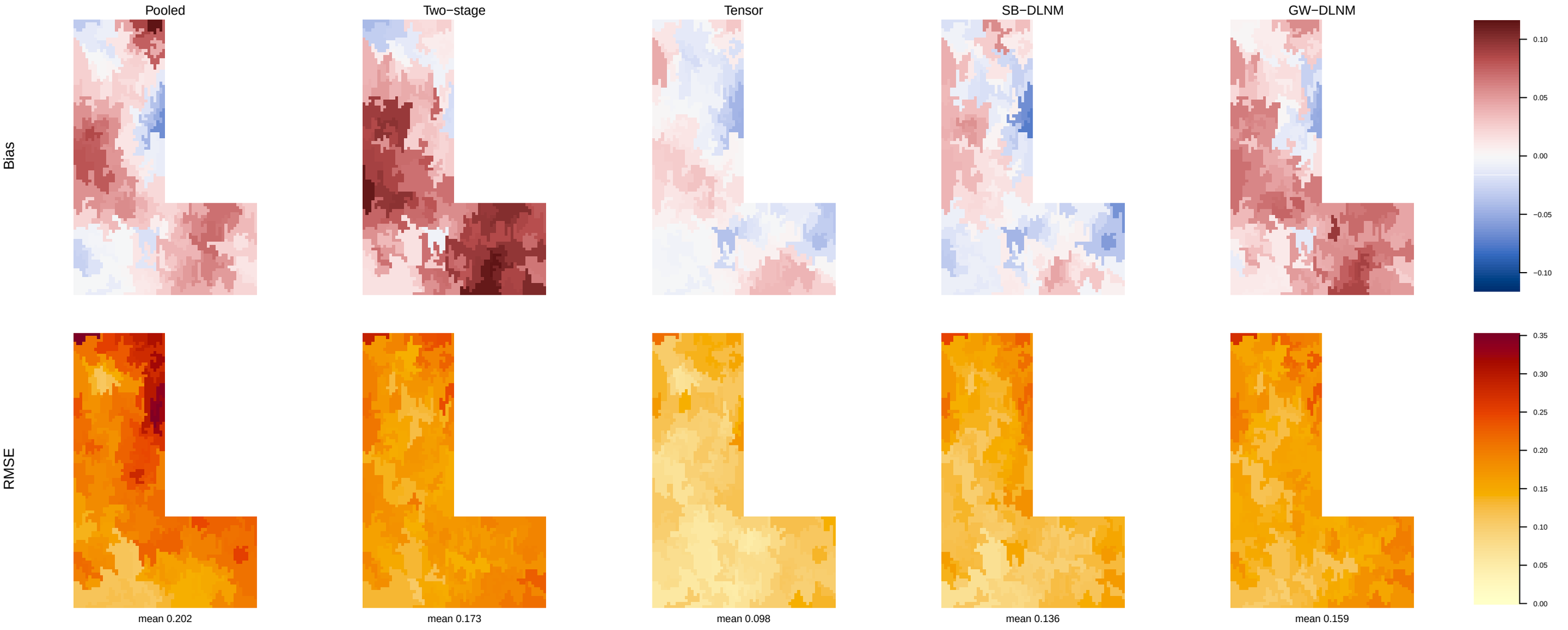
Scenario 615: L−shaped region, 120 counties, moderate inequality, local pattern, spread 0.30, NS gradient, J exposure−response, event rate 2, RR 1.6, harvest lag



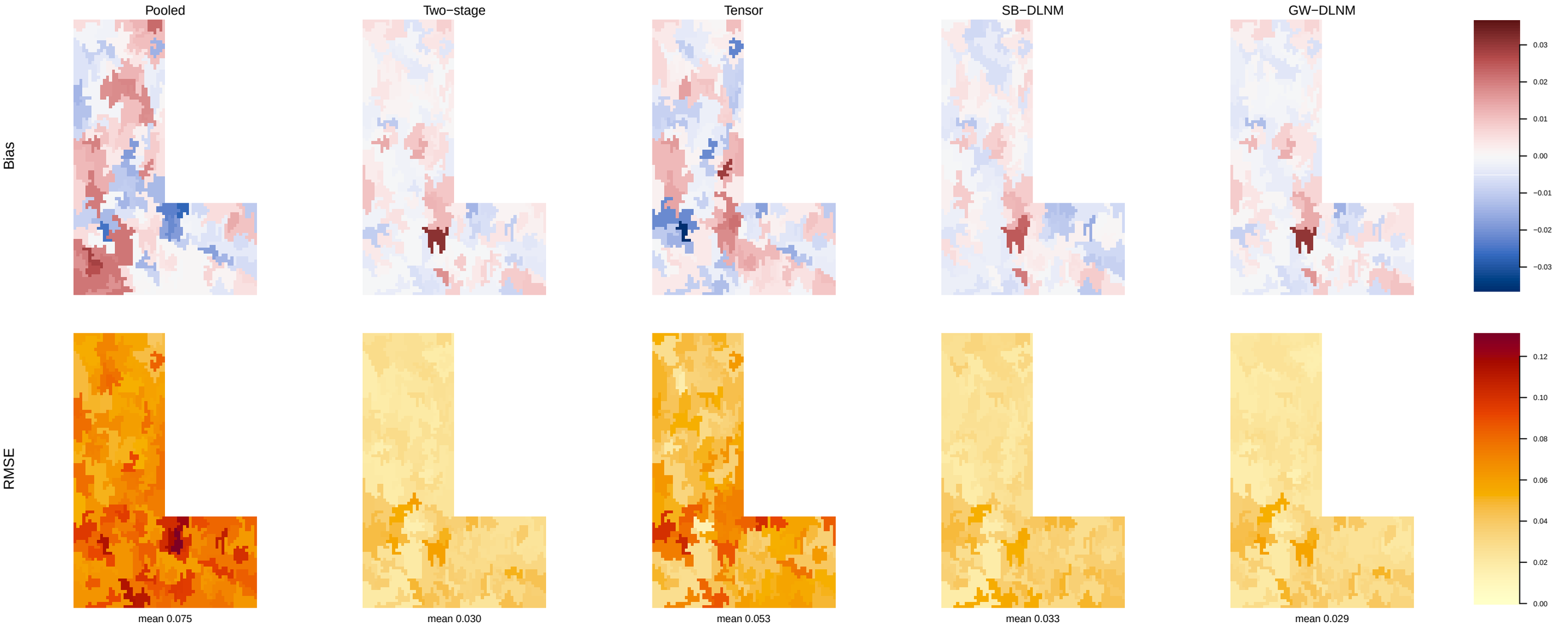
Scenario 551: L−shaped region, 120 counties, moderate inequality, independent pattern, spread 0.30, ridge gradient, J exposure−response, event rate 8, RR 1.0, delayed lag



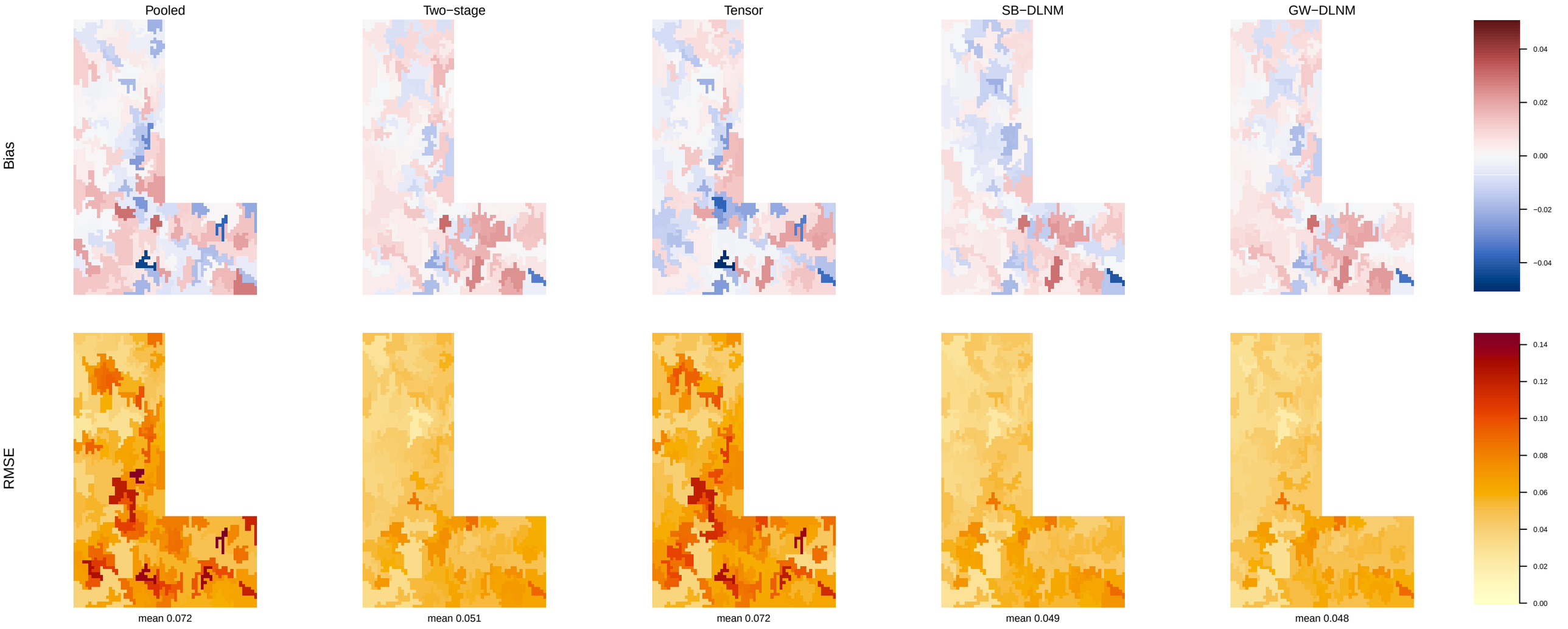
Scenario 743: L−shaped region, 120 counties, moderate inequality, boundary pattern, spread 0.30, valley gradient, J exposure−response, event rate 0.125, RR 1.4, decay lag



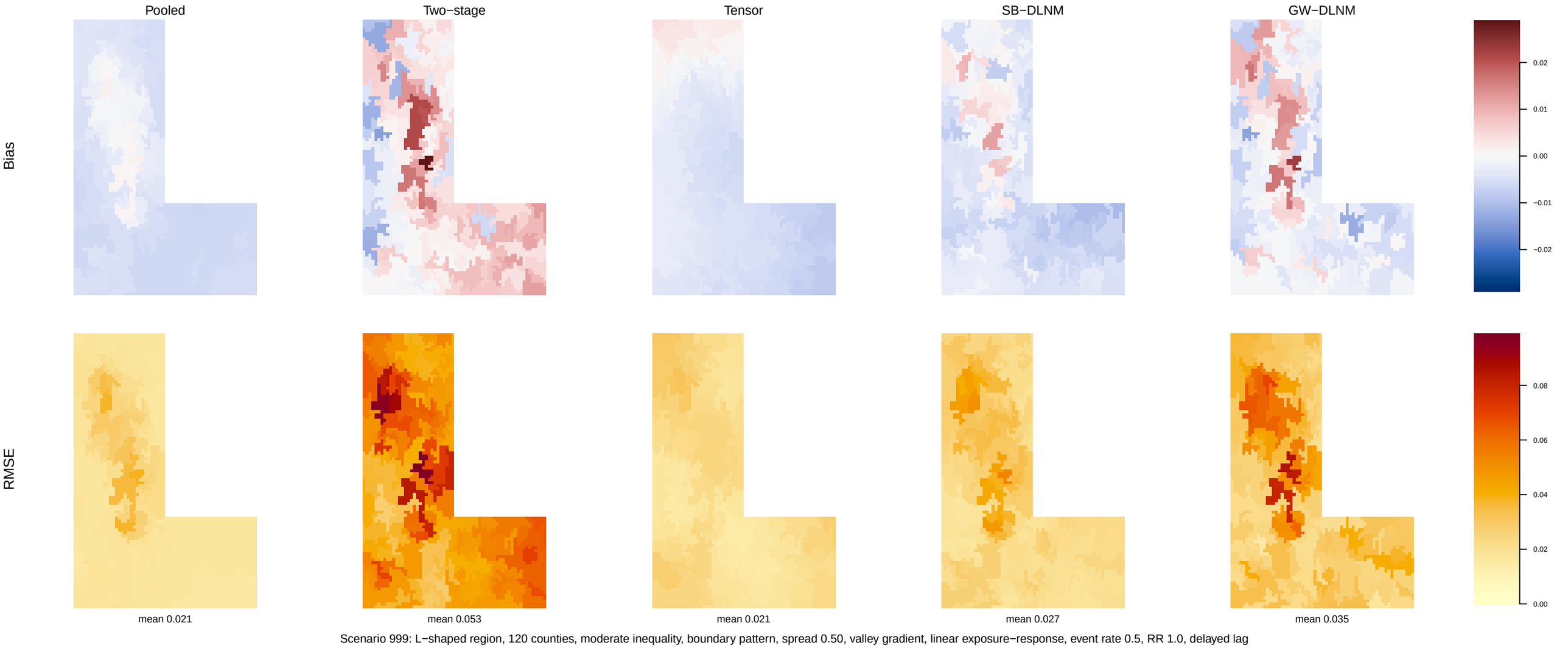
Scenario 935: L−shaped region, 120 counties, moderate inequality, regional pattern, spread 0.50, edges gradient, linear exposure−response, event rate 0.125, RR 1.6, harvest lag



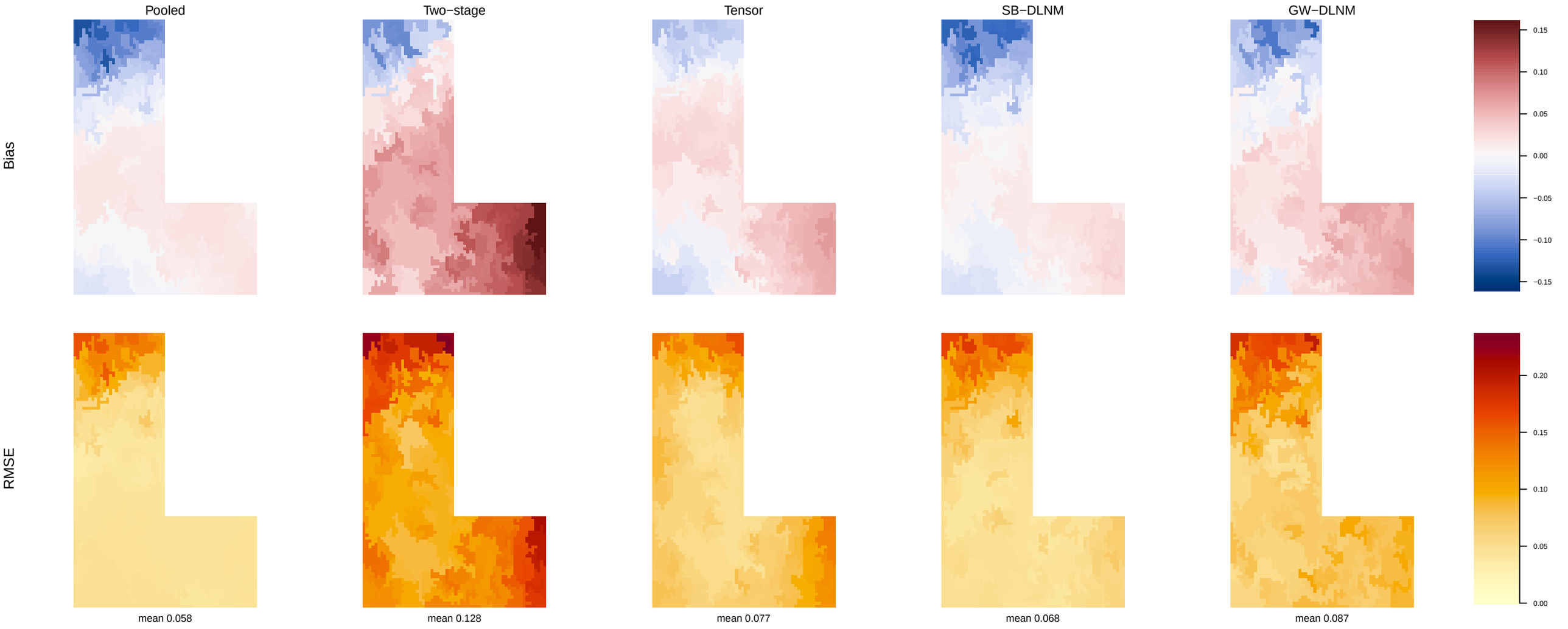
Scenario 871: L−shaped region, 120 counties, moderate inequality, local pattern, spread 0.50, NS gradient, linear exposure−response, event rate 8, RR 1.2, short lag



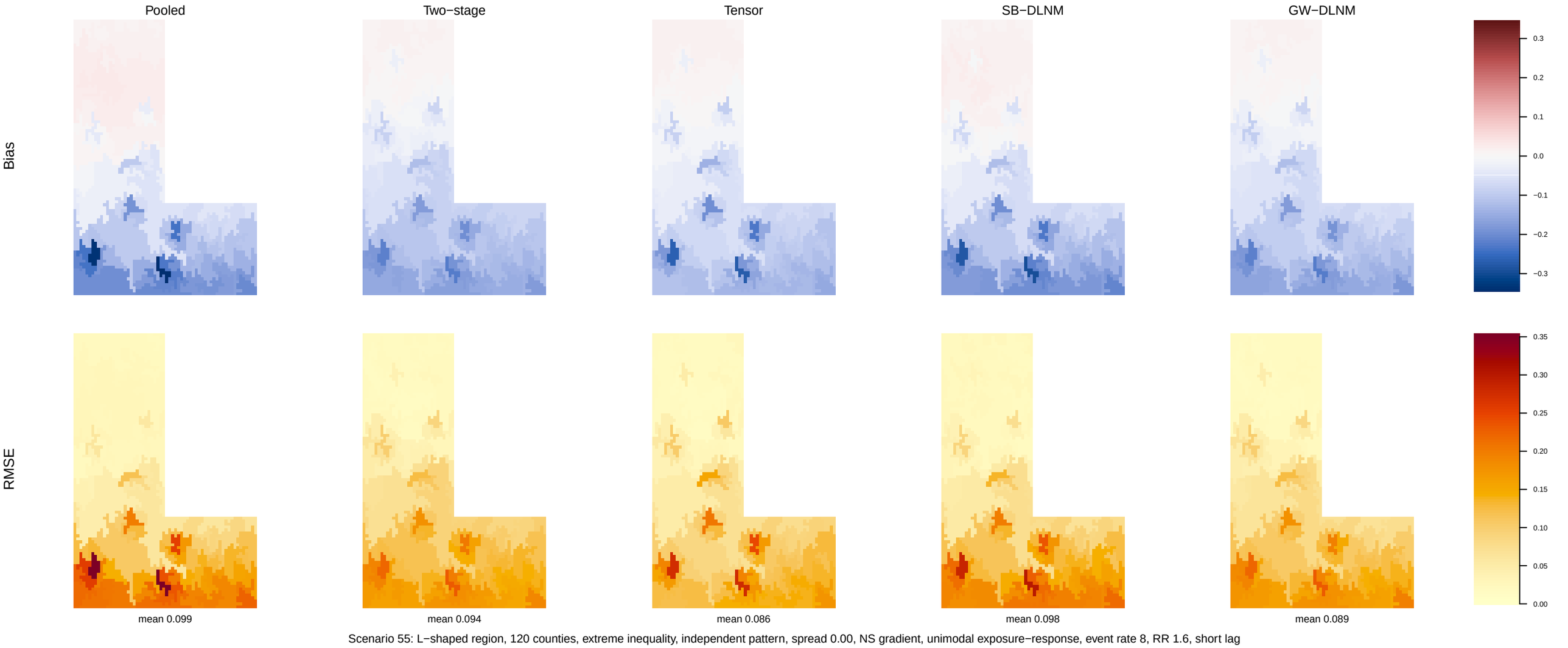
Scenario 807: L−shaped region, 120 counties, moderate inequality, independent pattern, spread 0.50, ridge gradient, linear exposure−response, event rate 2, RR 1.4, decay lag



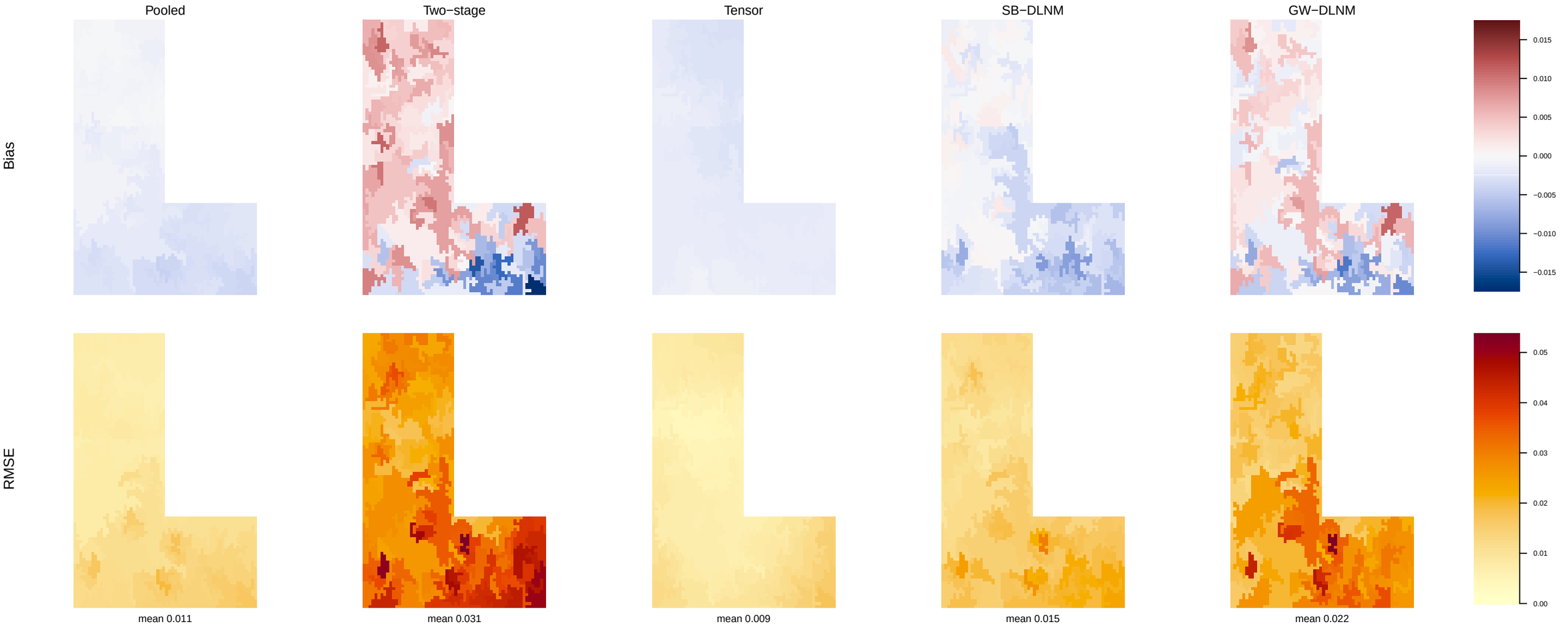
Scenario 999: L−shaped region, 120 counties, moderate inequality, boundary pattern, spread 0.50, valley gradient, linear exposure−response, event rate 0.5, RR 1.0, delayed lag



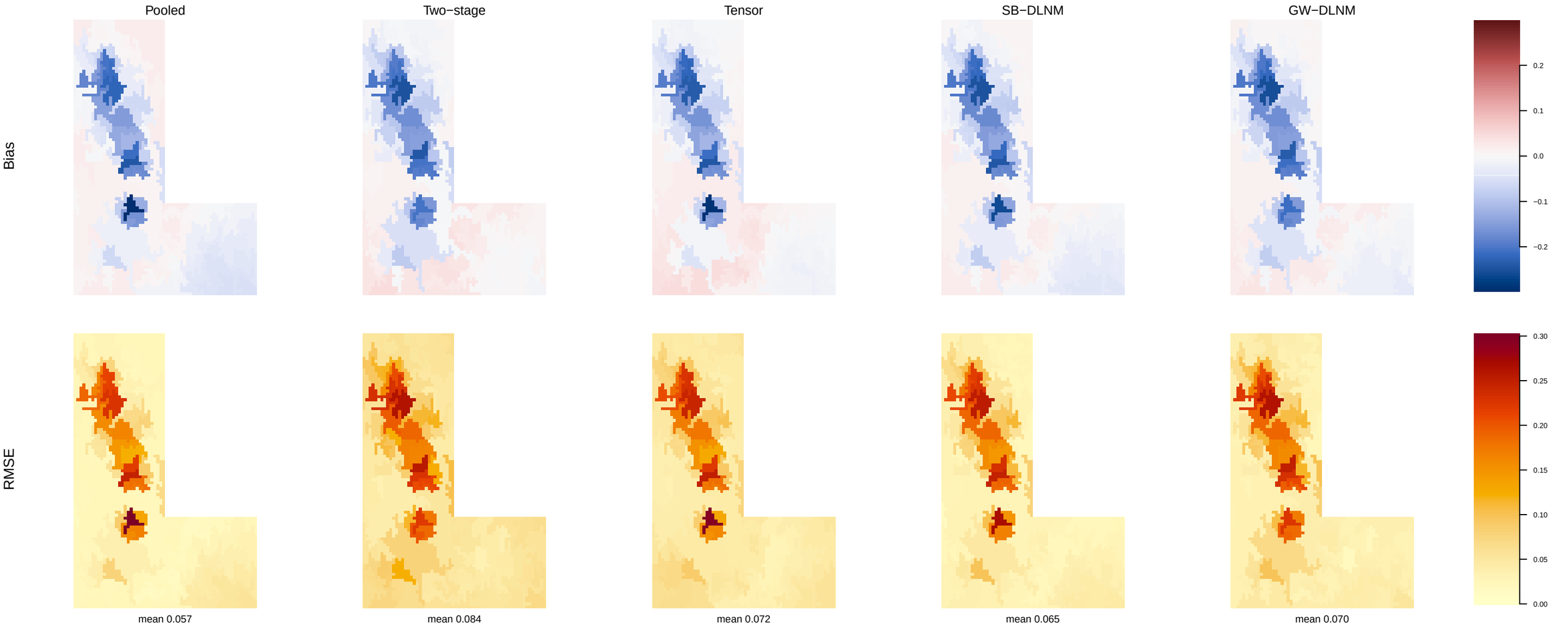
Scenario 247: L−shaped region, 120 counties, extreme inequality, boundary pattern, spread 0.00, edges gradient, unimodal exposure−response, event rate 0.125, RR 1.2, harvest lag



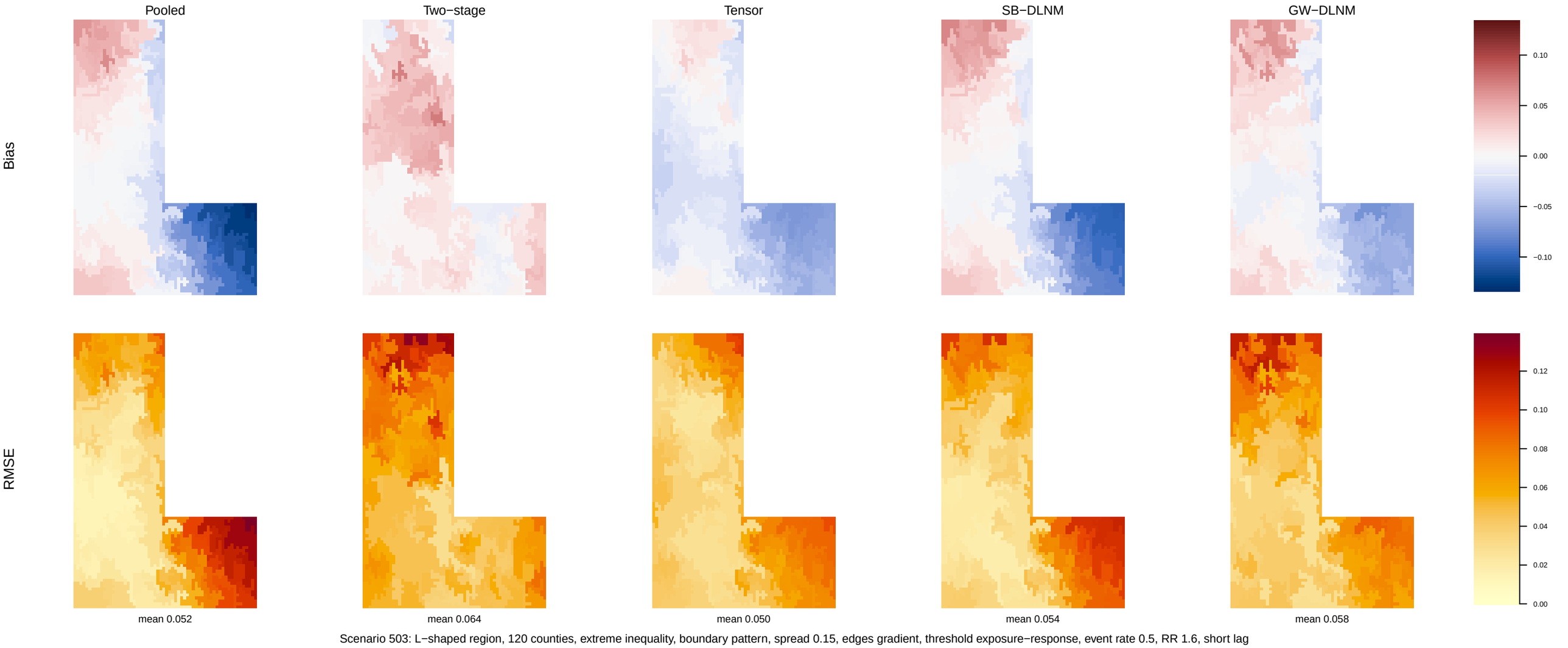
Scenario 55: L−shaped region, 120 counties, extreme inequality, independent pattern, spread 0.00, NS gradient, unimodal exposure−response, event rate 8, RR 1.6, short lag



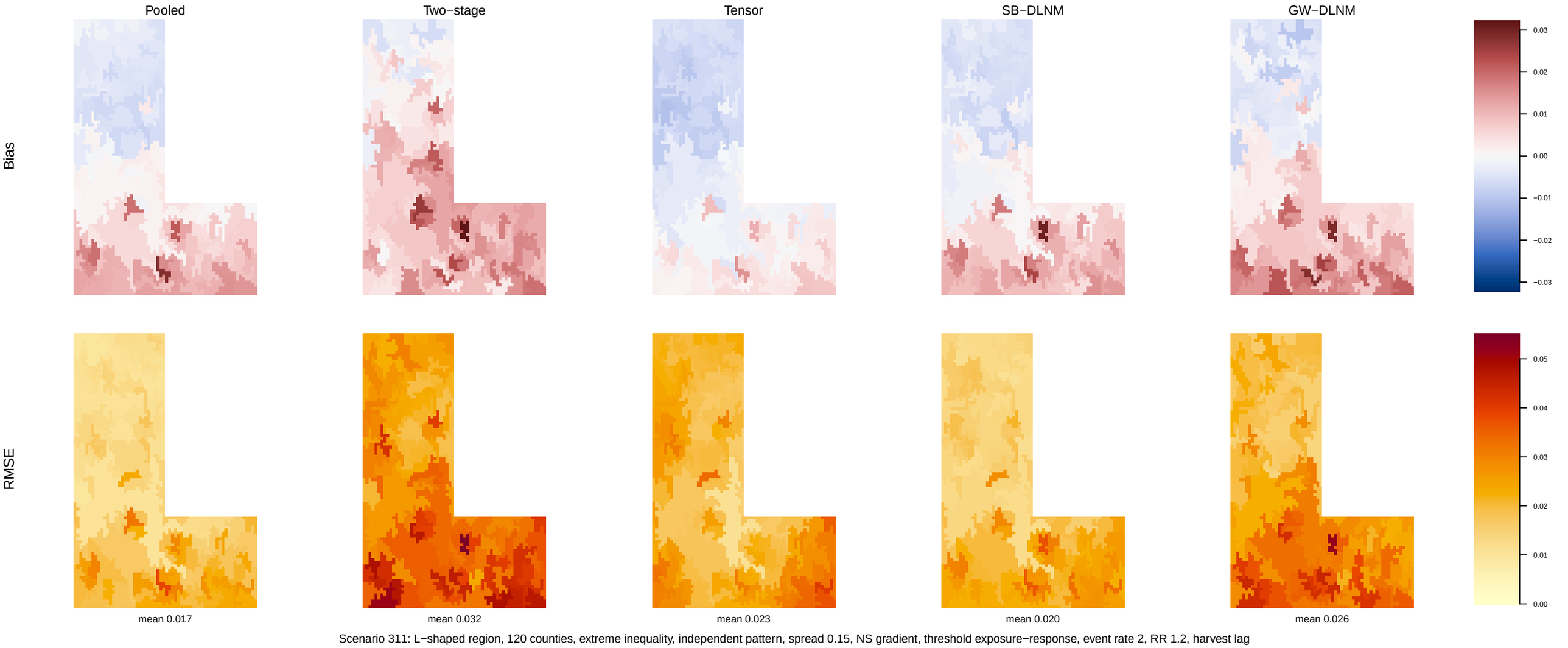
Scenario 119: L−shaped region, 120 counties, extreme inequality, local pattern, spread 0.00, ridge gradient, unimodal exposure−response, event rate 2, RR 1.0, decay lag



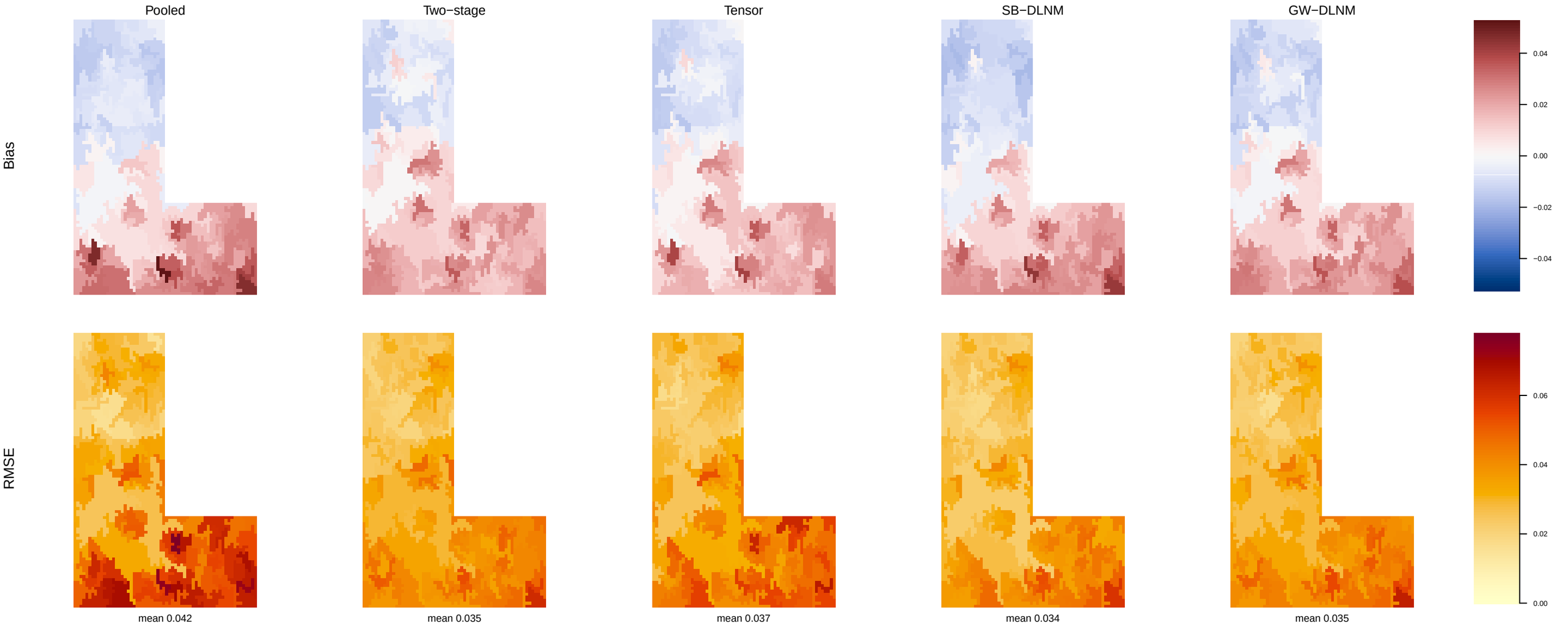
Scenario 183: L−shaped region, 120 counties, extreme inequality, regional pattern, spread 0.00, valley gradient, unimodal exposure−response, event rate 0.5, RR 1.4, delayed lag



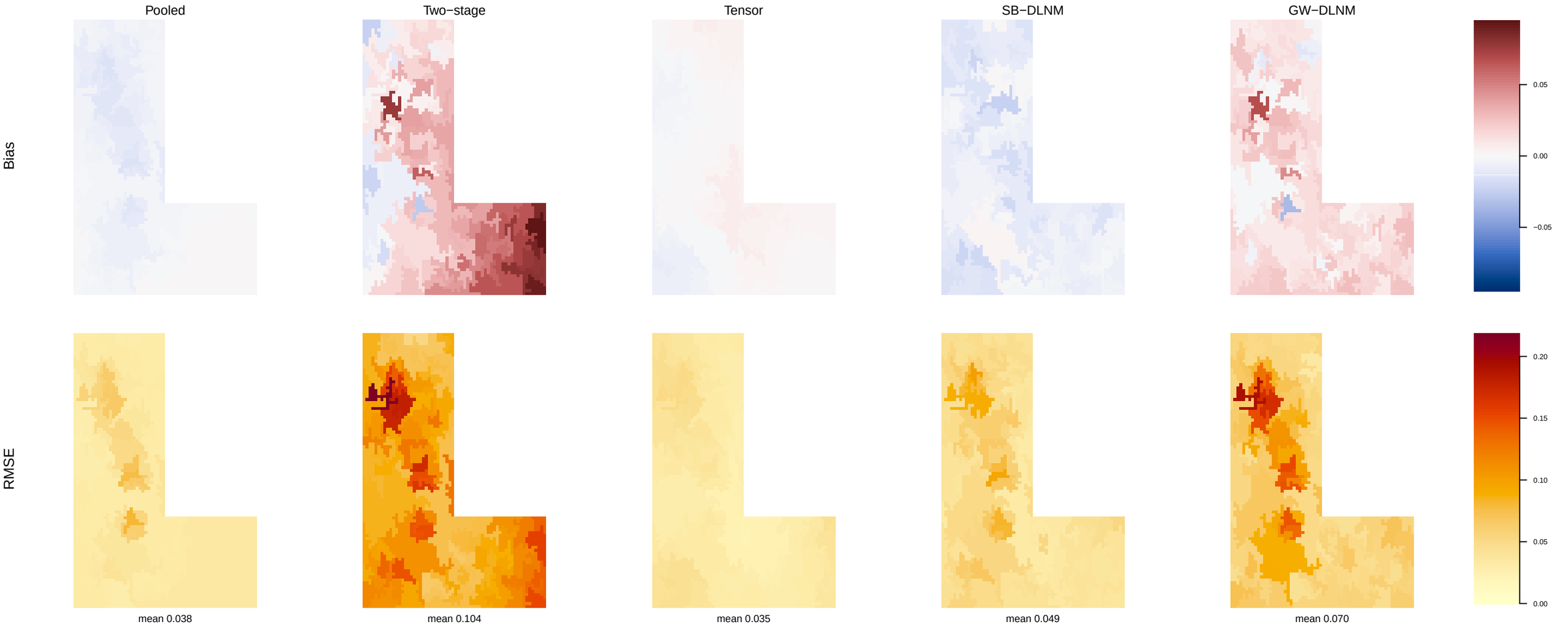
Scenario 503: L−shaped region, 120 counties, extreme inequality, boundary pattern, spread 0.15, edges gradient, threshold exposure−response, event rate 0.5, RR 1.6, short lag



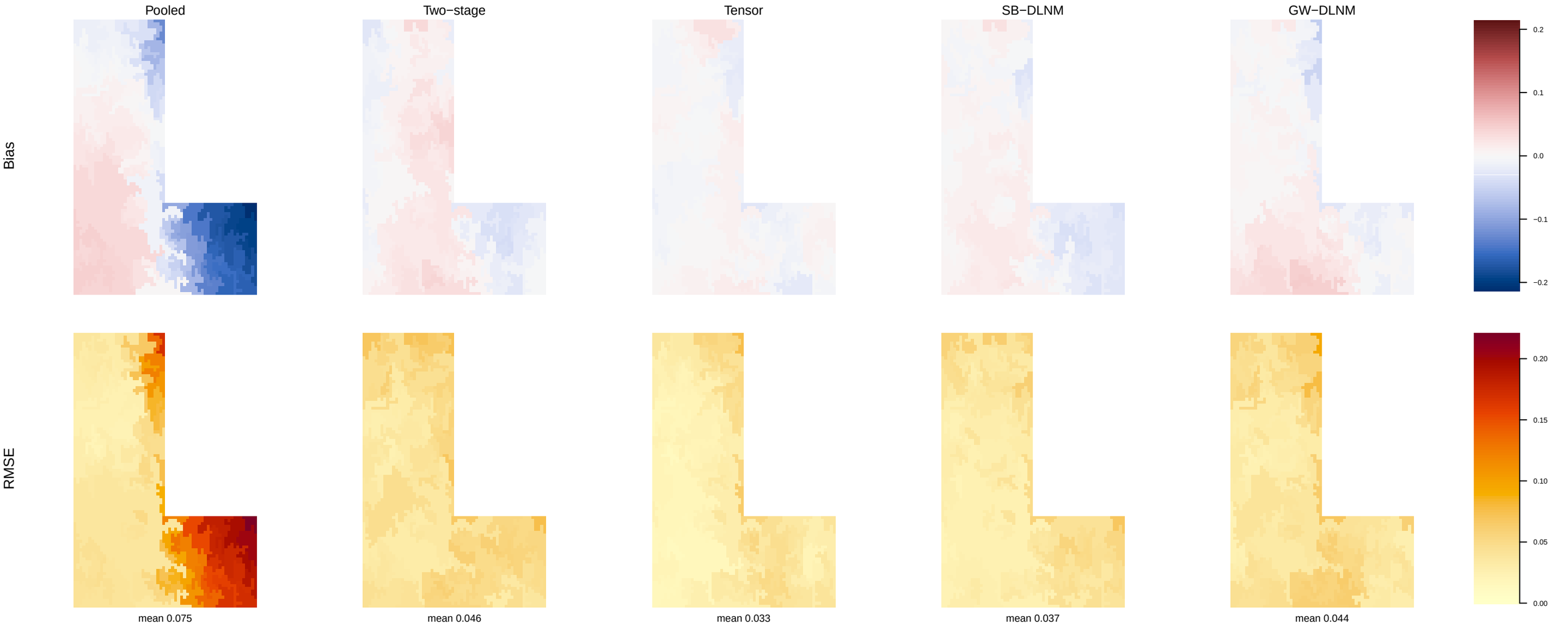
Scenario 311: L−shaped region, 120 counties, extreme inequality, independent pattern, spread 0.15, NS gradient, threshold exposure−response, event rate 2, RR 1.2, harvest lag



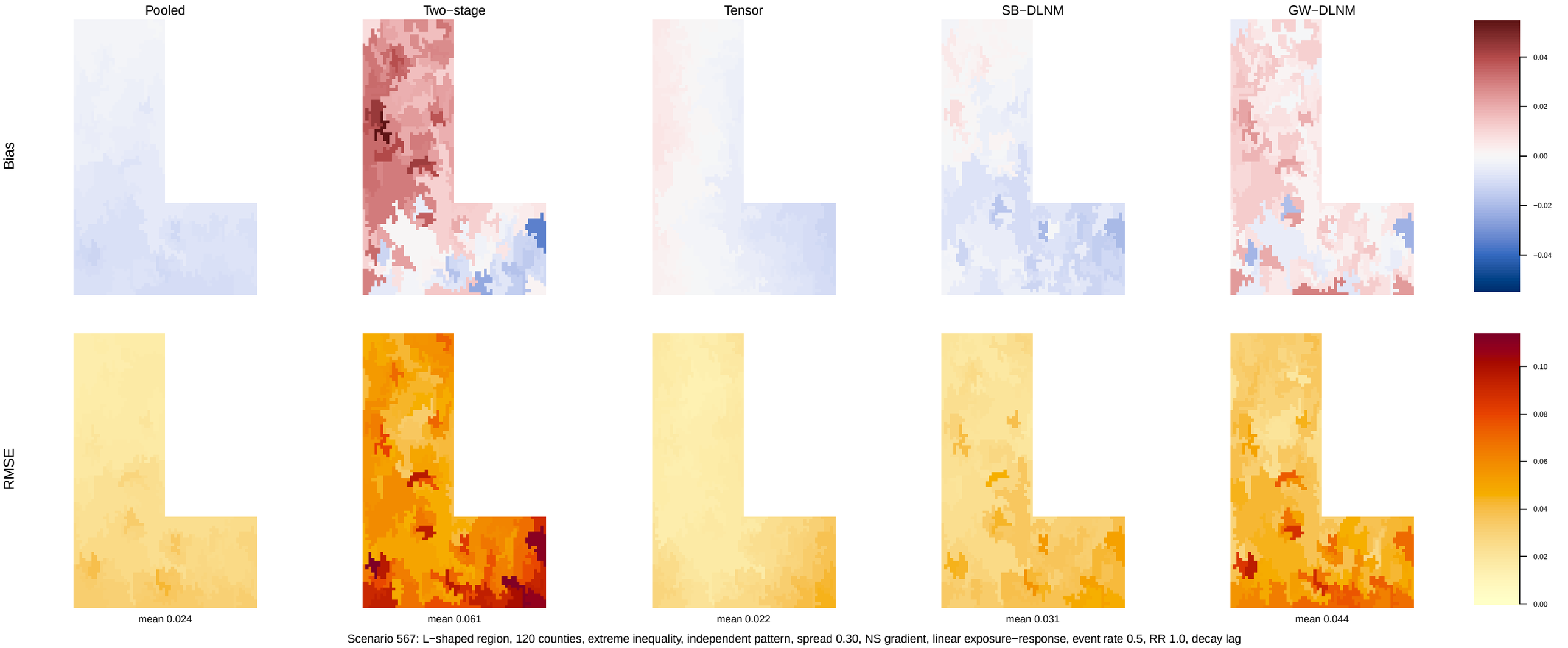
Scenario 375: L−shaped region, 120 counties, extreme inequality, local pattern, spread 0.15, ridge gradient, threshold exposure−response, event rate 8, RR 1.4, delayed lag



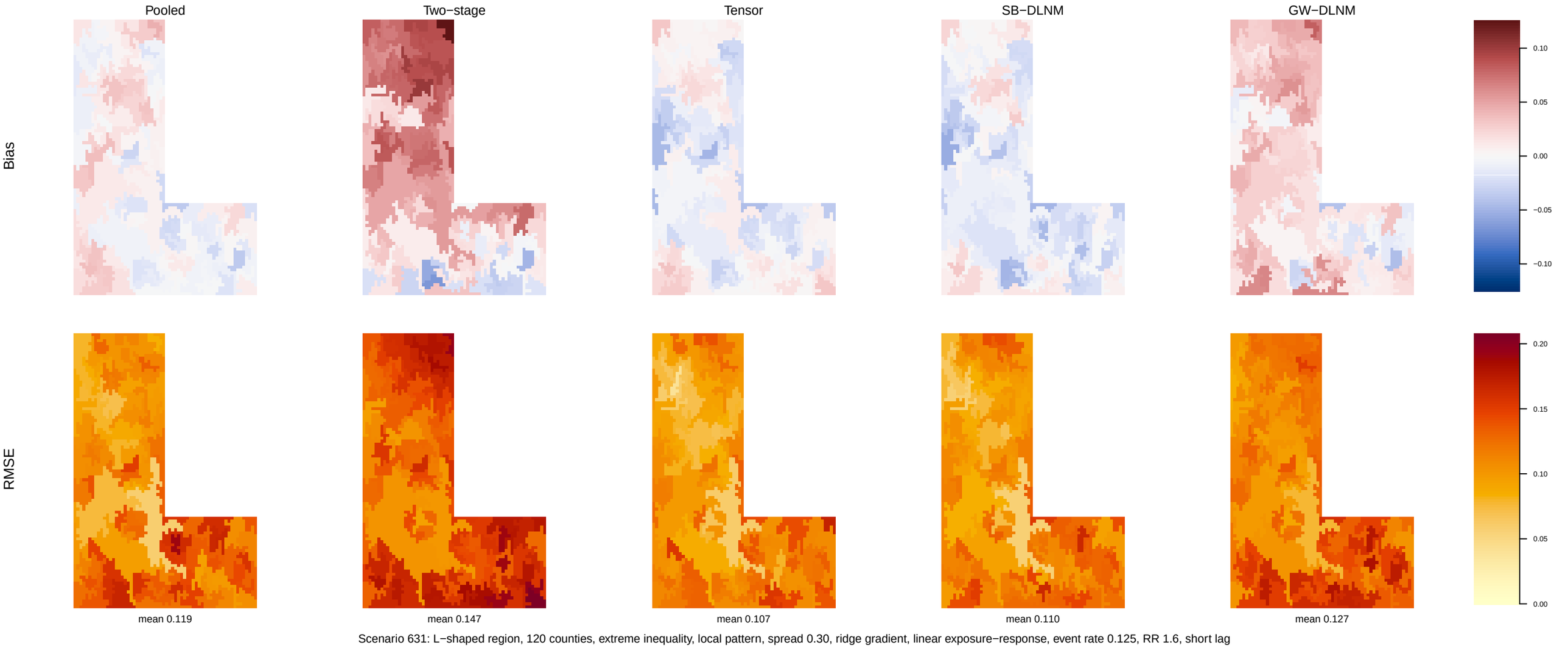
Scenario 439: L−shaped region, 120 counties, extreme inequality, regional pattern, spread 0.15, valley gradient, threshold exposure−response, event rate 0.125, RR 1.0, decay lag



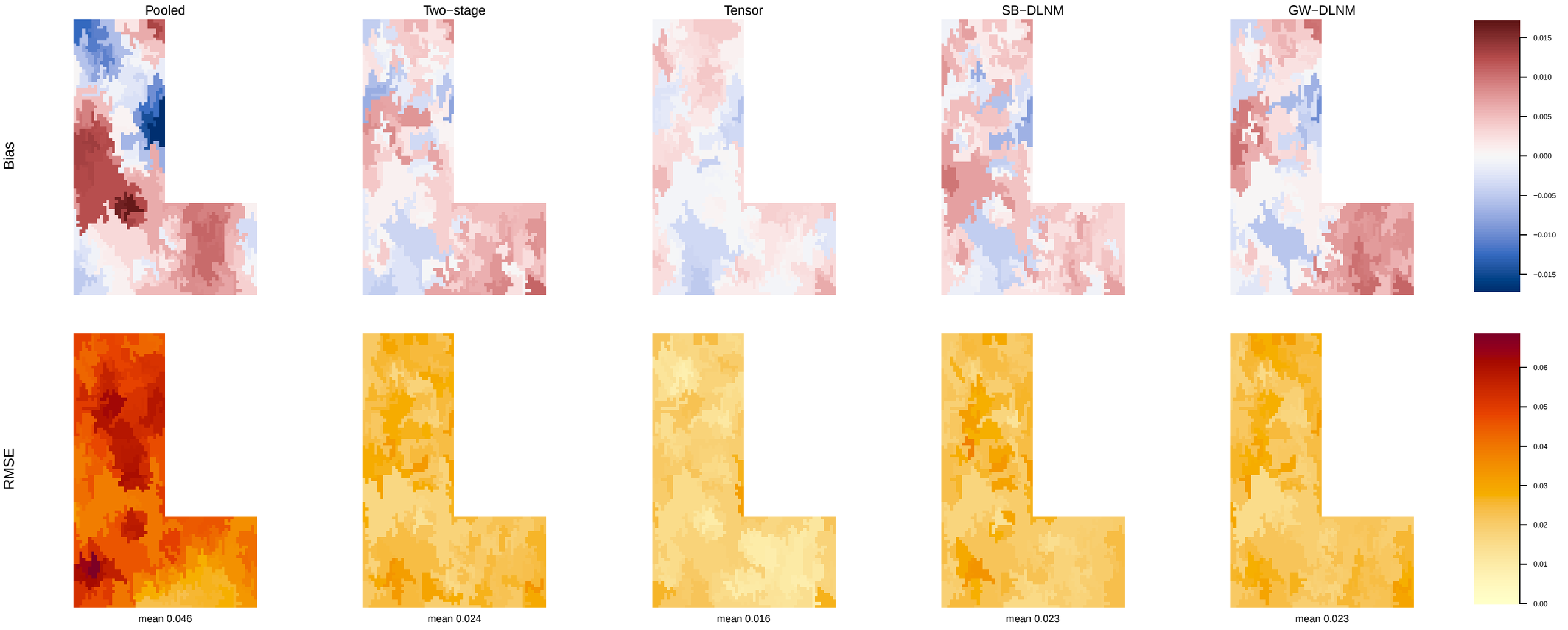
Scenario 759: L−shaped region, 120 counties, extreme inequality, boundary pattern, spread 0.30, edges gradient, linear exposure−response, event rate 2, RR 1.4, delayed lag



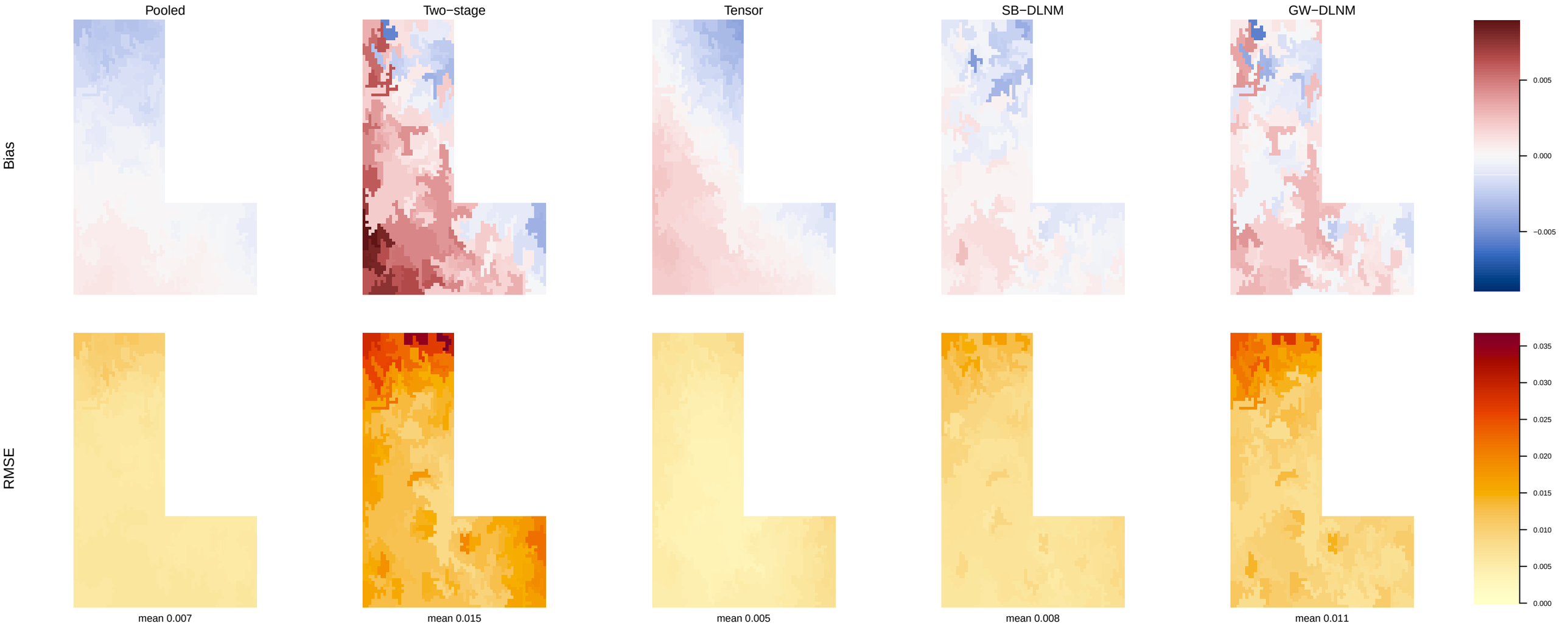
Scenario 567: L−shaped region, 120 counties, extreme inequality, independent pattern, spread 0.30, NS gradient, linear exposure−response, event rate 0.5, RR 1.0, decay lag



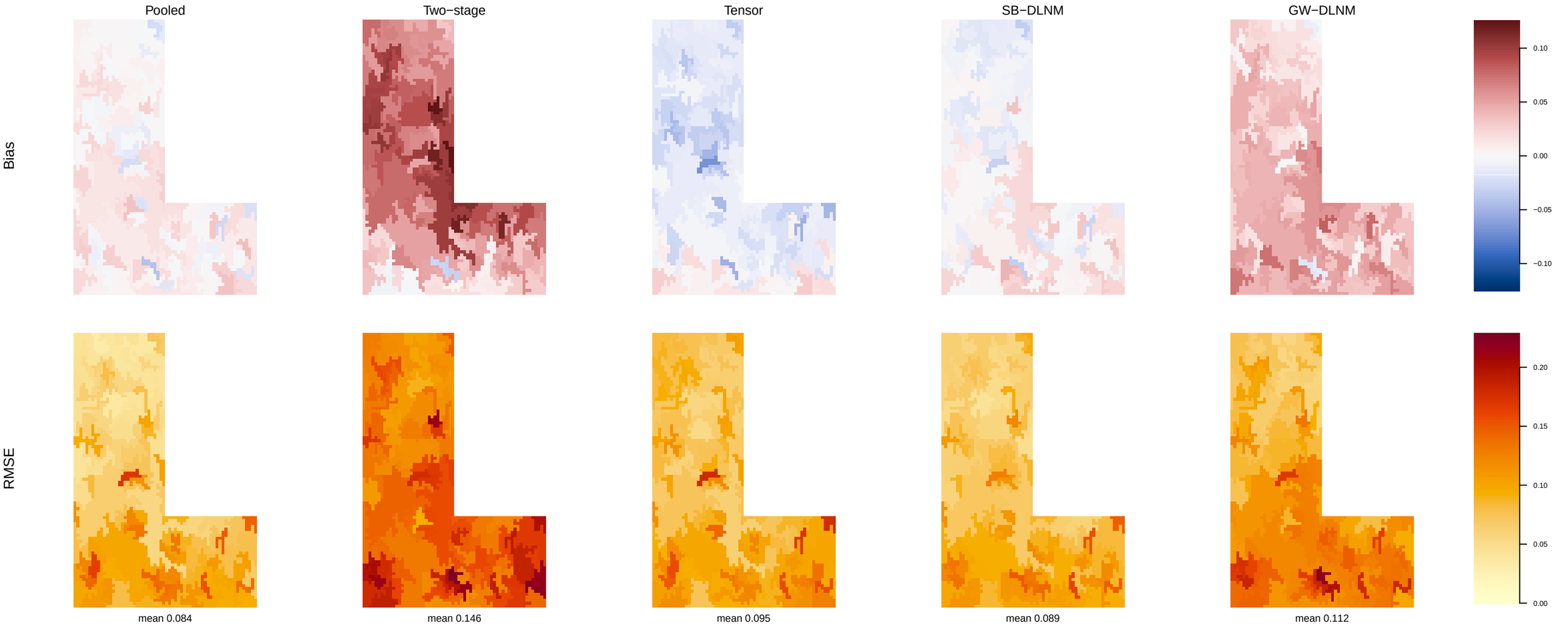
Scenario 631: L−shaped region, 120 counties, extreme inequality, local pattern, spread 0.30, ridge gradient, linear exposure−response, event rate 0.125, RR 1.6, short lag



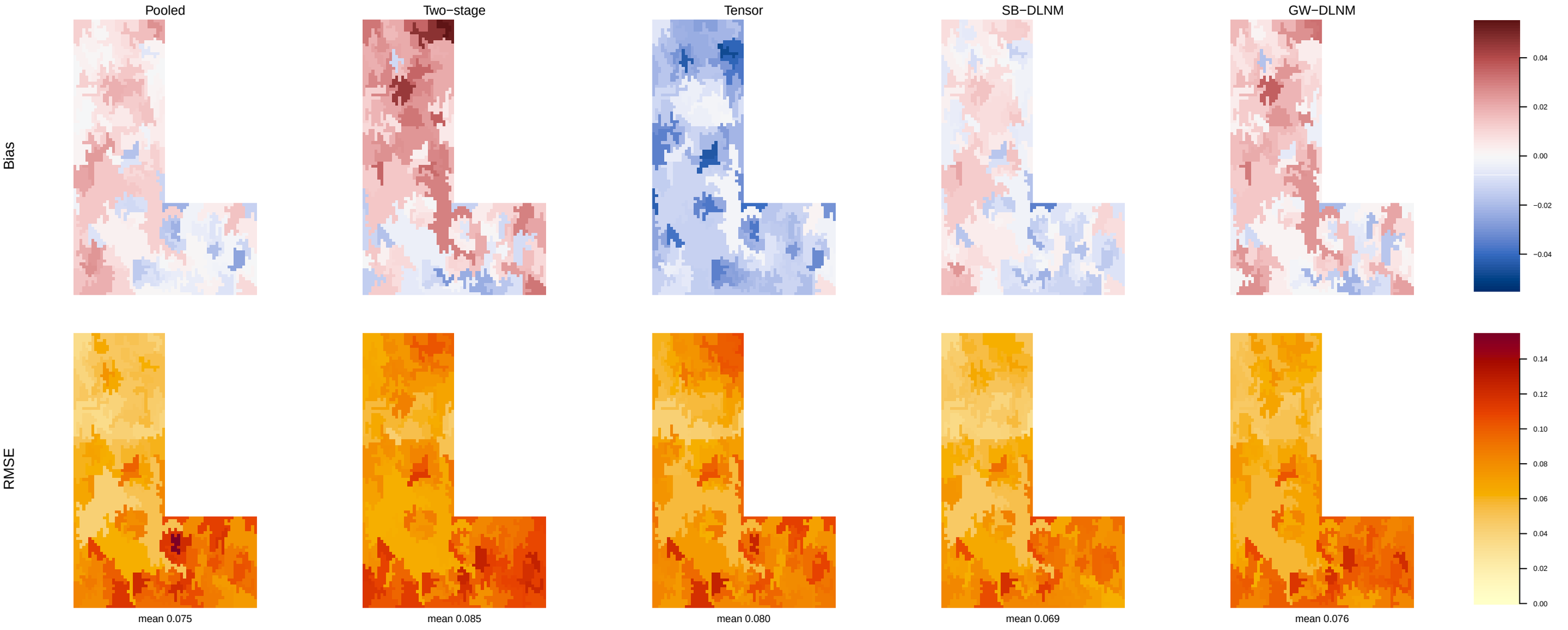
Scenario 695: L−shaped region, 120 counties, extreme inequality, regional pattern, spread 0.30, valley gradient, linear exposure−response, event rate 8, RR 1.2, harvest lag



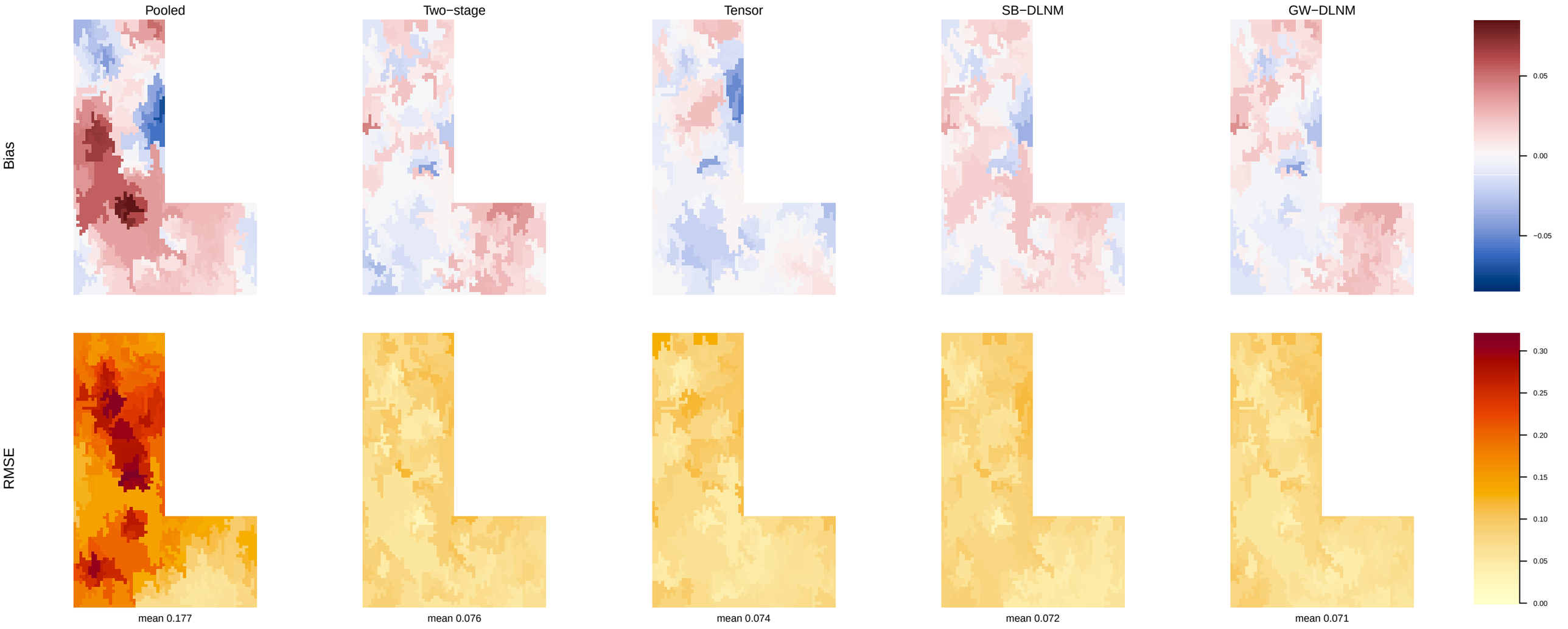
Scenario 1015: L−shaped region, 120 counties, extreme inequality, boundary pattern, spread 0.50, edges gradient, J exposure−response, event rate 8, RR 1.0, decay lag



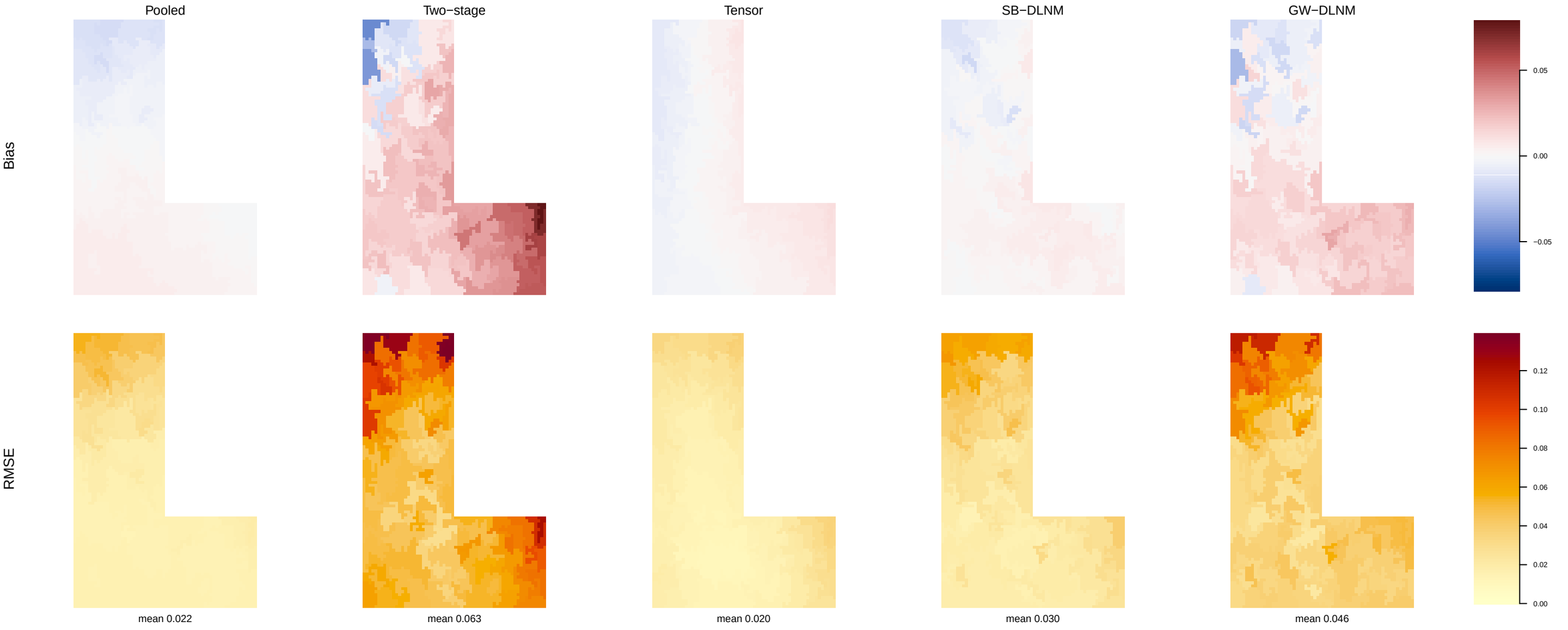
Scenario 823: L−shaped region, 120 counties, extreme inequality, independent pattern, spread 0.50, NS gradient, J exposure−response, event rate 0.125, RR 1.4, delayed lag



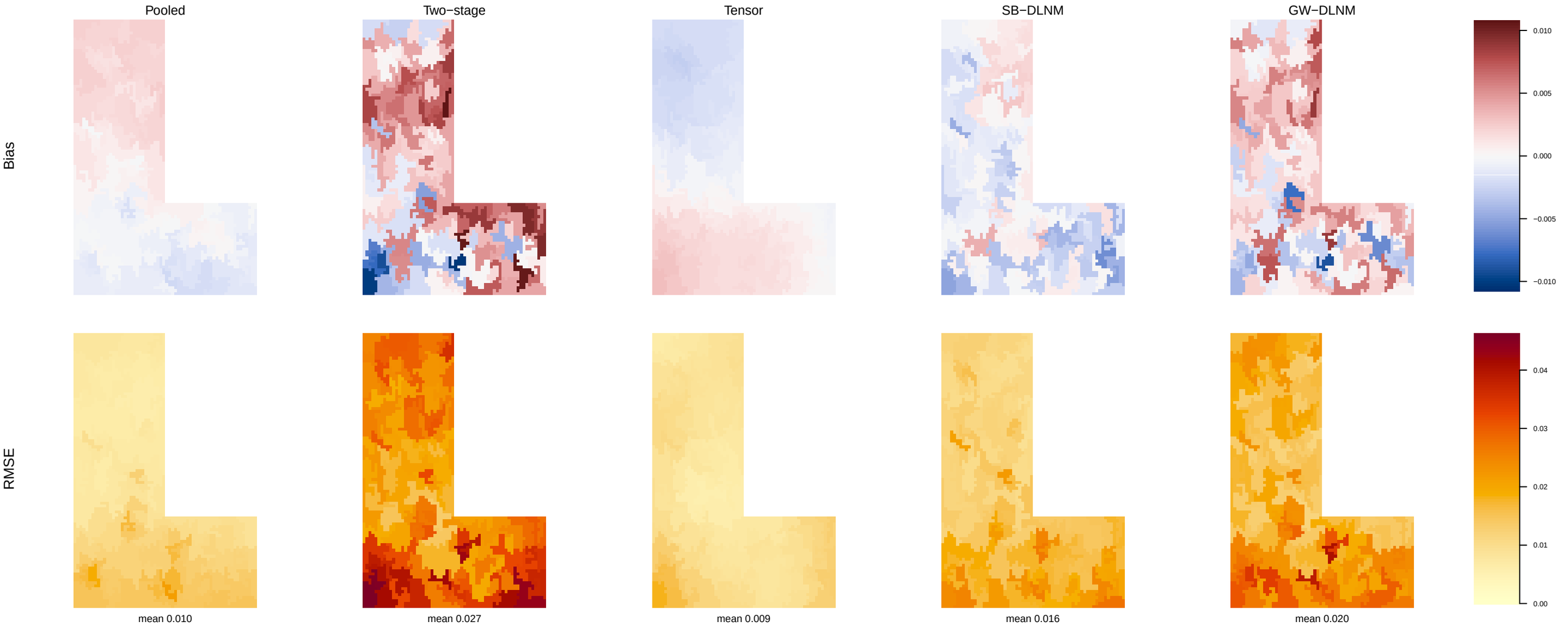
Scenario 887: L−shaped region, 120 counties, extreme inequality, local pattern, spread 0.50, ridge gradient, J exposure−response, event rate 0.5, RR 1.2, harvest lag



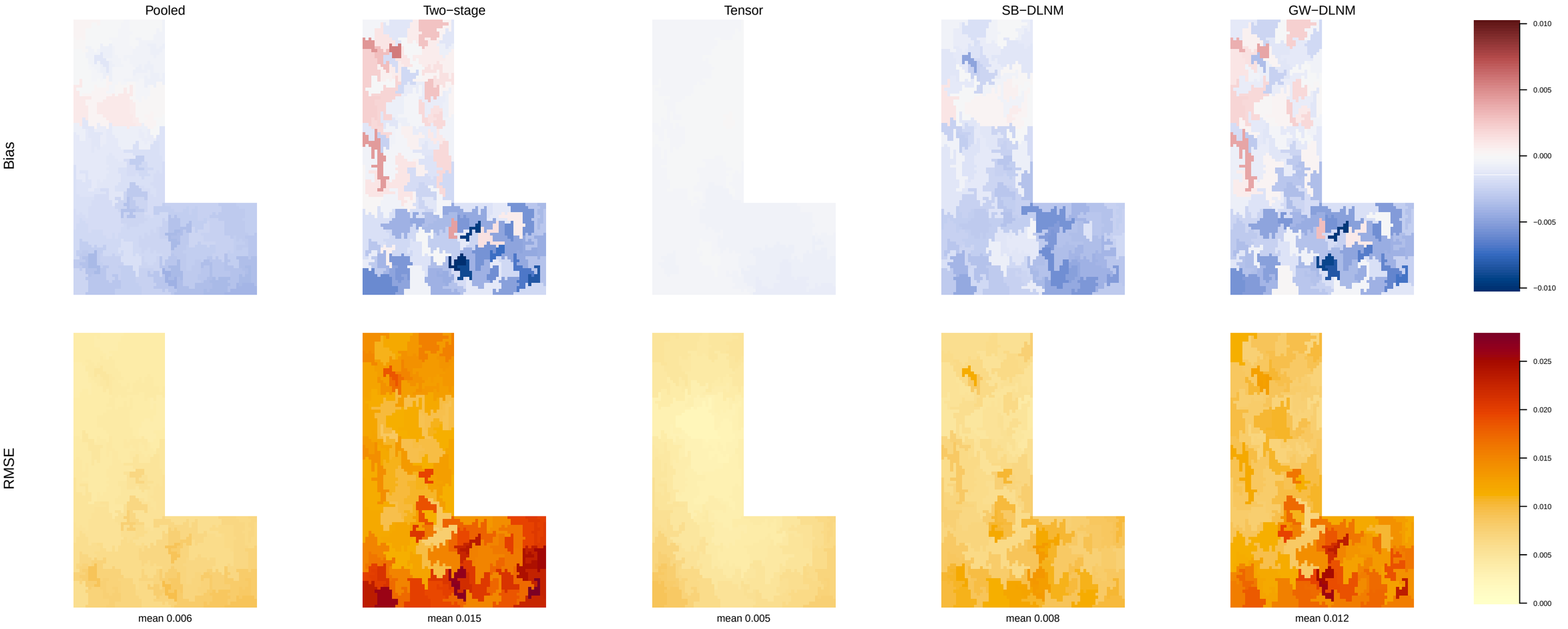
Scenario 951: L−shaped region, 120 counties, extreme inequality, regional pattern, spread 0.50, valley gradient, J exposure−response, event rate 2, RR 1.6, short lag



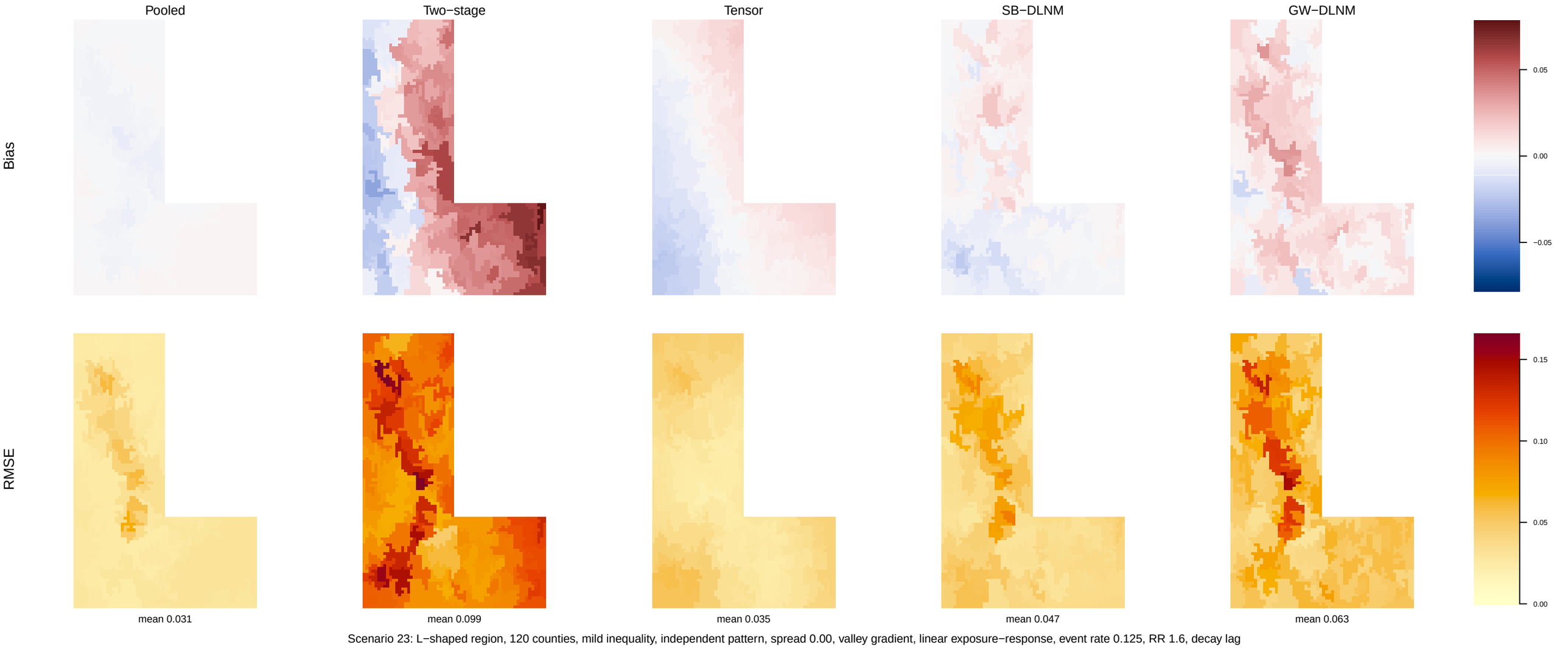
Scenario 87: L−shaped region, 120 counties, mild inequality, local pattern, spread 0.00, edges gradient, linear exposure−response, event rate 0.5, RR 1.0, short lag



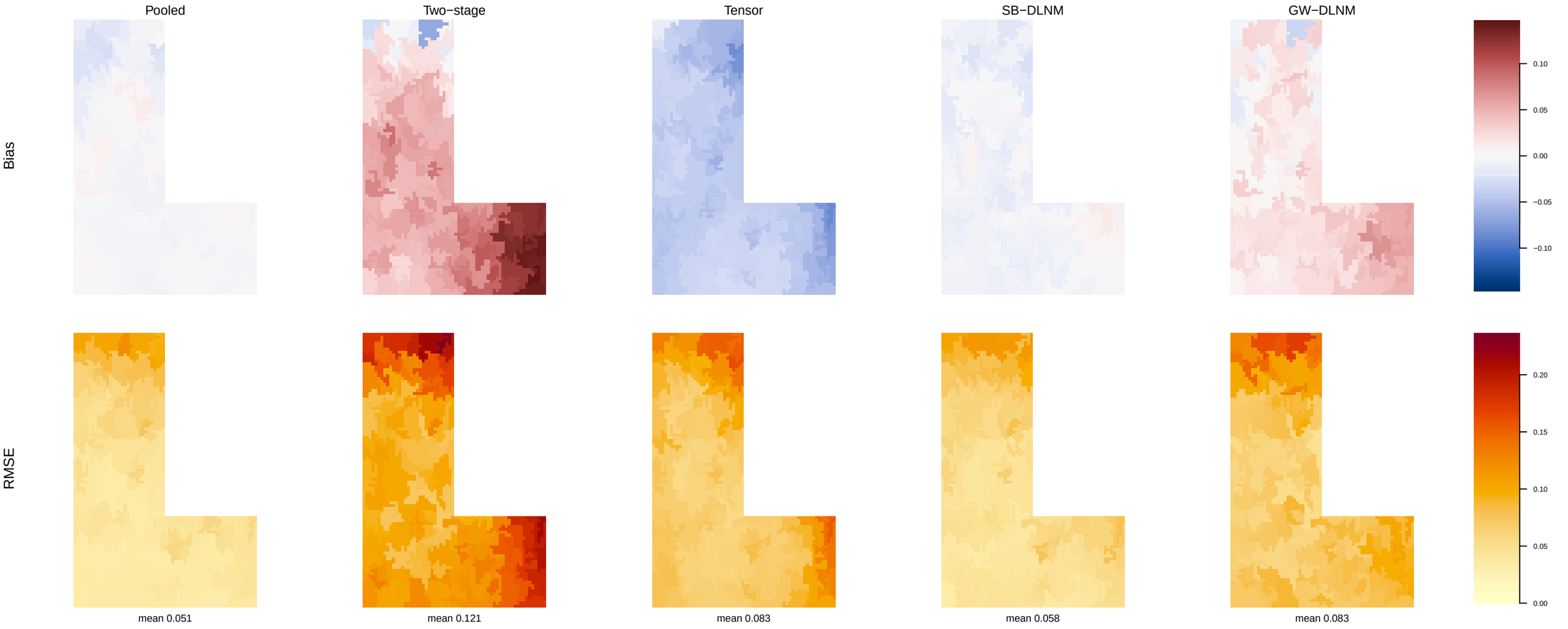
Scenario 151: L−shaped region, 120 counties, mild inequality, regional pattern, spread 0.00, NS gradient, linear exposure−response, event rate 2, RR 1.4, harvest lag



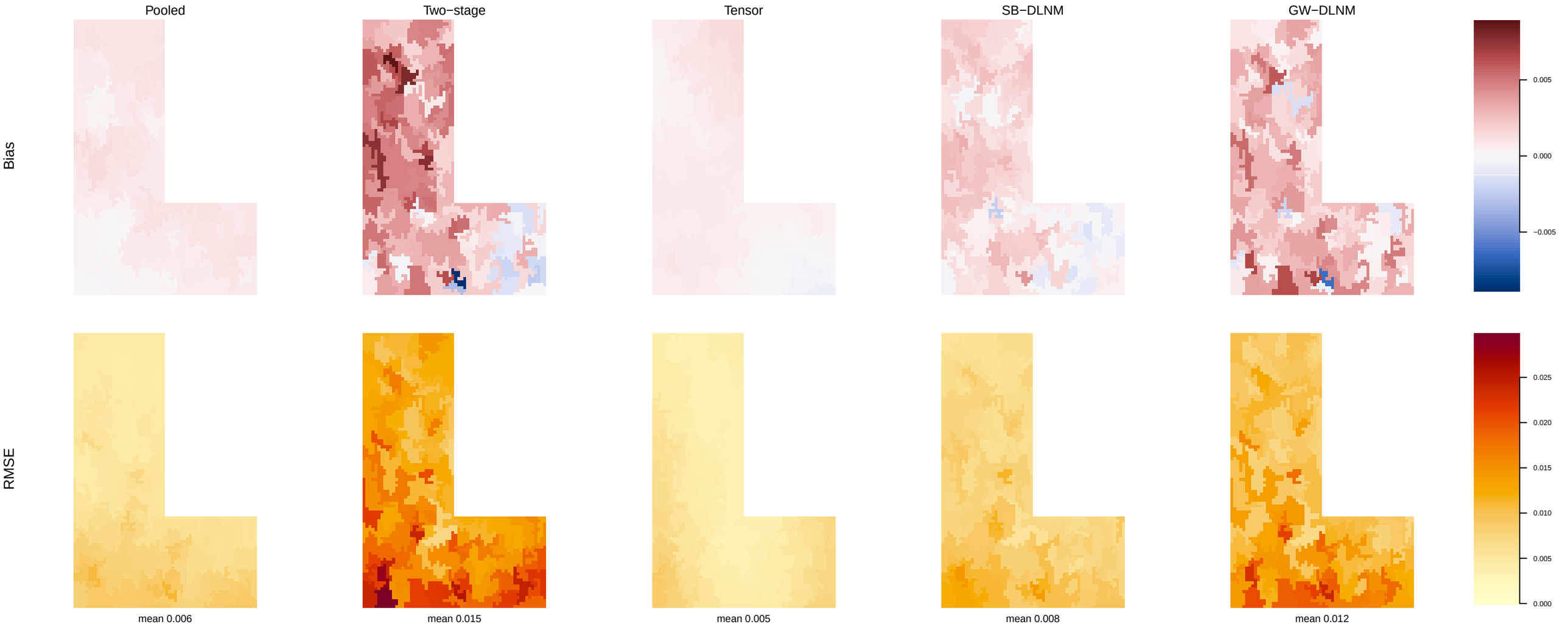
Scenario 215: L−shaped region, 120 counties, mild inequality, boundary pattern, spread 0.00, ridge gradient, linear exposure−response, event rate 8, RR 1.2, delayed lag



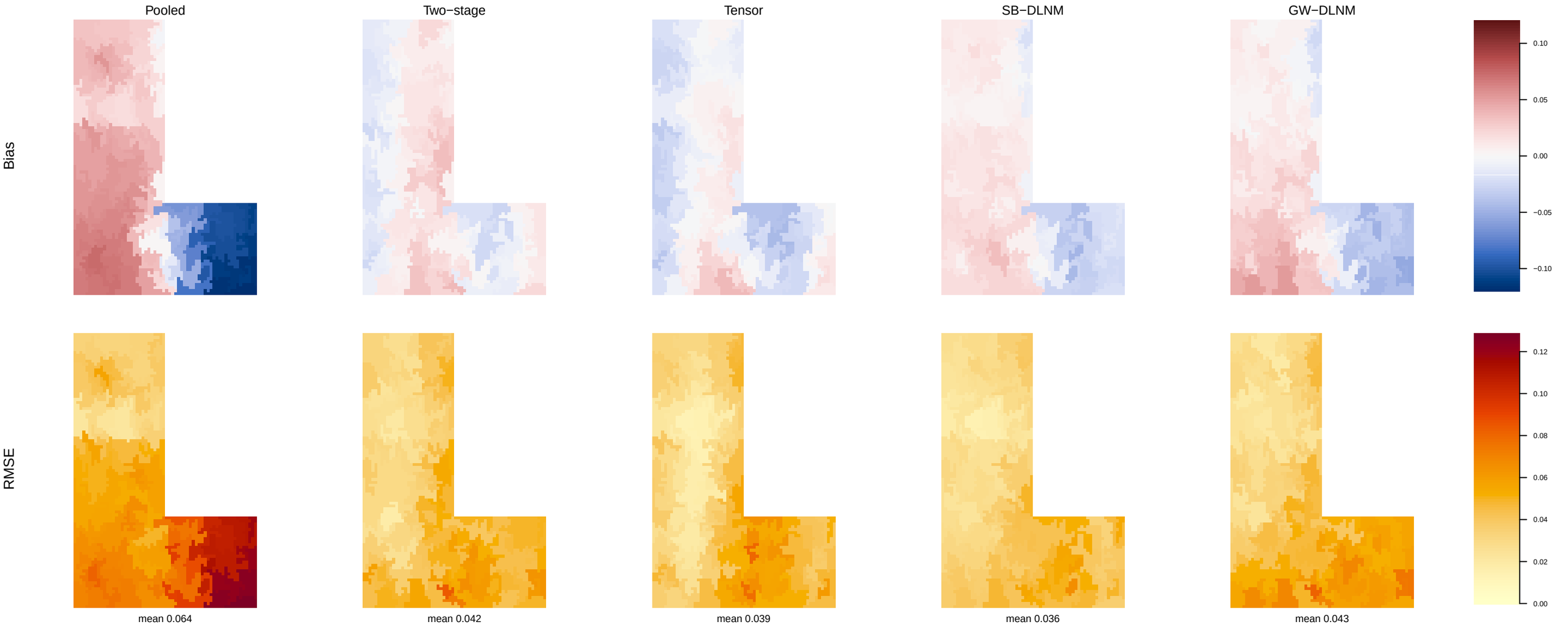
Scenario 23: L−shaped region, 120 counties, mild inequality, independent pattern, spread 0.00, valley gradient, linear exposure−response, event rate 0.125, RR 1.6, decay lag



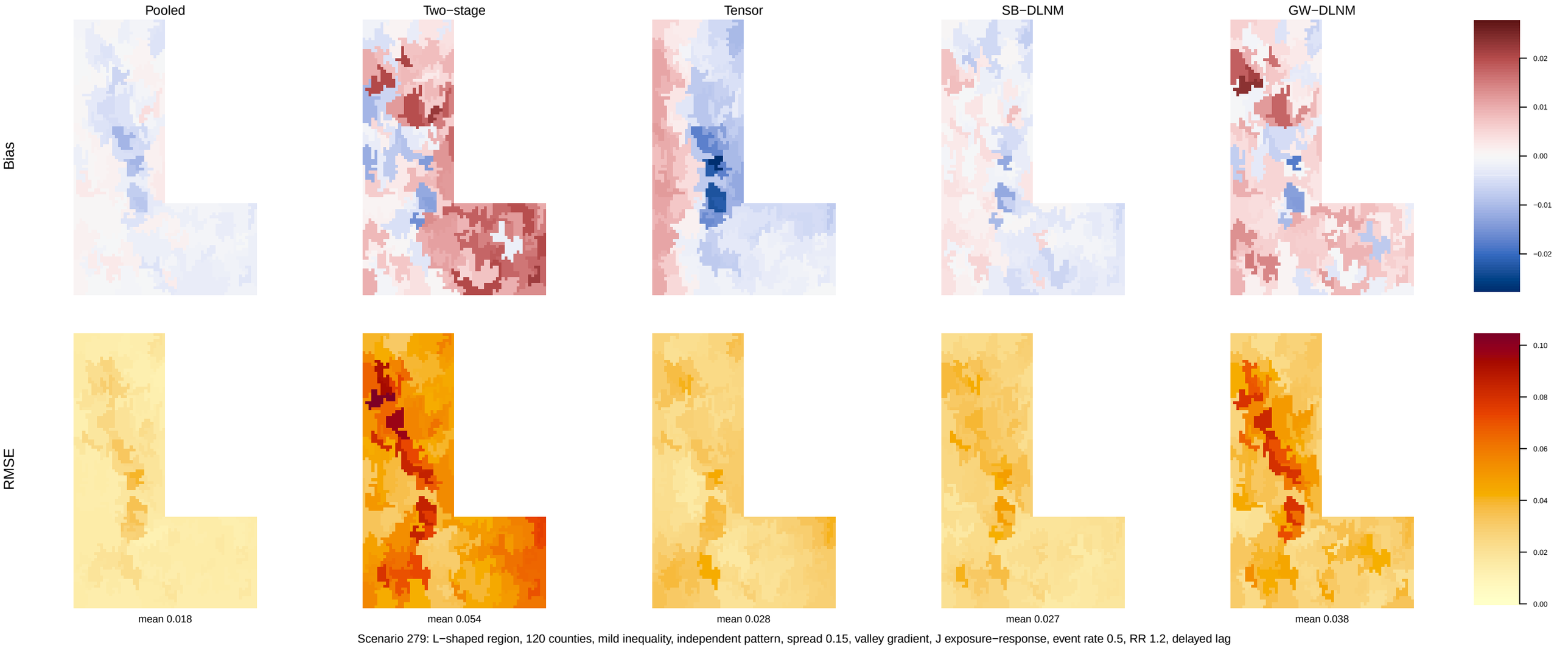
Scenario 343: L−shaped region, 120 counties, mild inequality, local pattern, spread 0.15, edges gradient, J exposure−response, event rate 0.125, RR 1.4, harvest lag



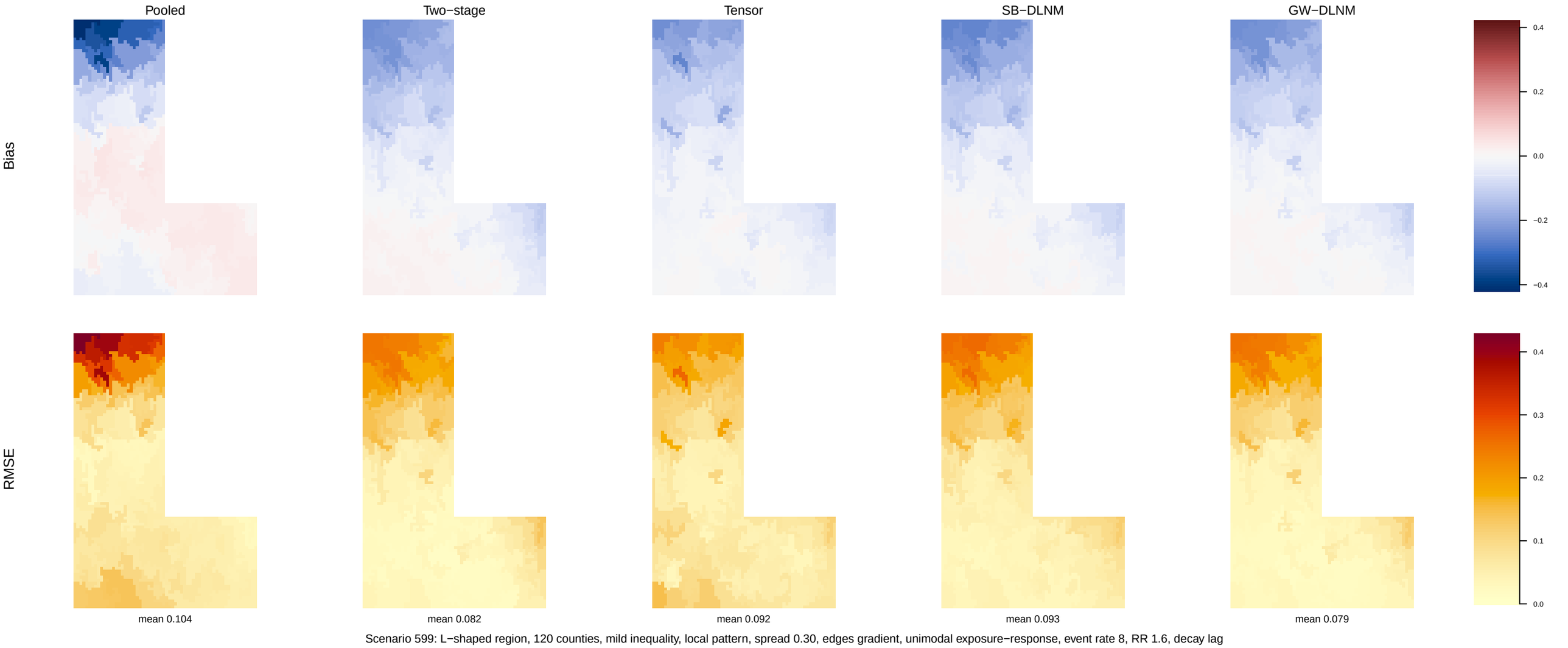
Scenario 407: L−shaped region, 120 counties, mild inequality, regional pattern, spread 0.15, NS gradient, J exposure−response, event rate 8, RR 1.0, short lag



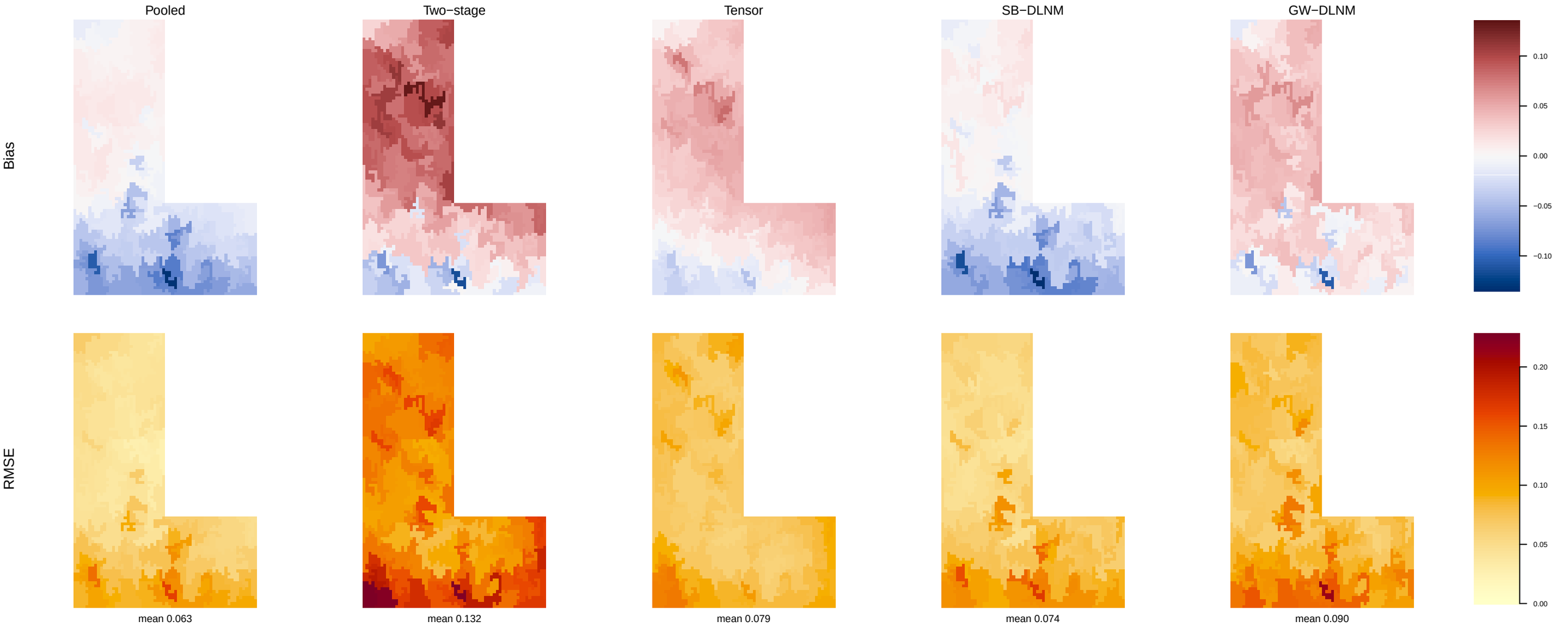
Scenario 471: L−shaped region, 120 counties, mild inequality, boundary pattern, spread 0.15, ridge gradient, J exposure−response, event rate 2, RR 1.6, decay lag



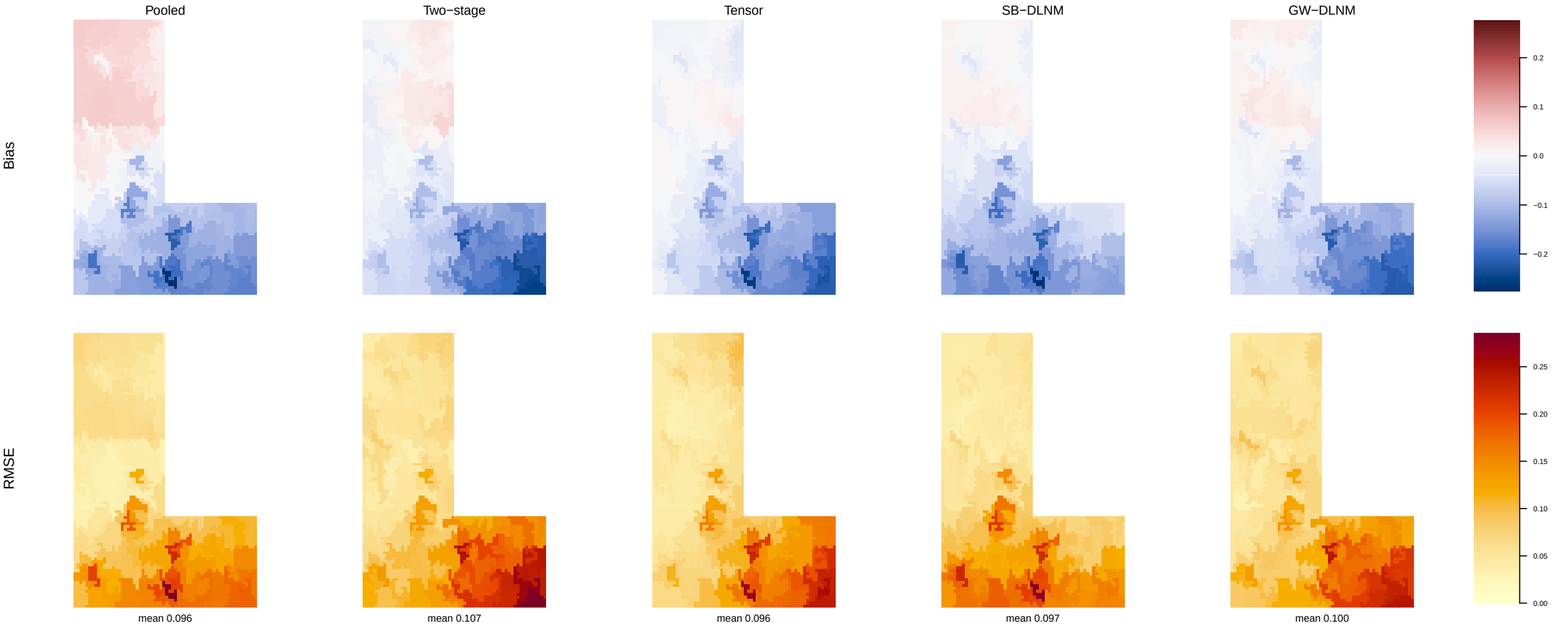
Scenario 279: L−shaped region, 120 counties, mild inequality, independent pattern, spread 0.15, valley gradient, J exposure−response, event rate 0.5, RR 1.2, delayed lag



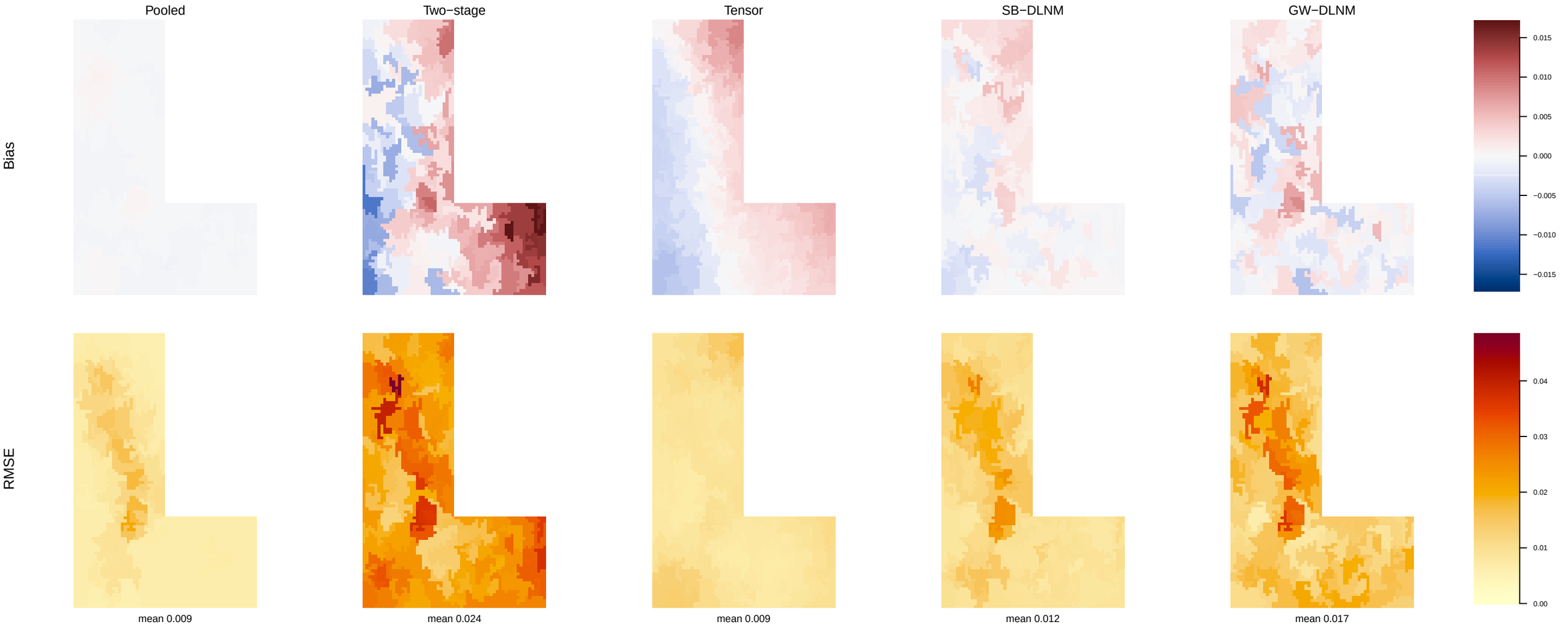
Scenario 599: L−shaped region, 120 counties, mild inequality, local pattern, spread 0.30, edges gradient, unimodal exposure−response, event rate 8, RR 1.6, decay lag



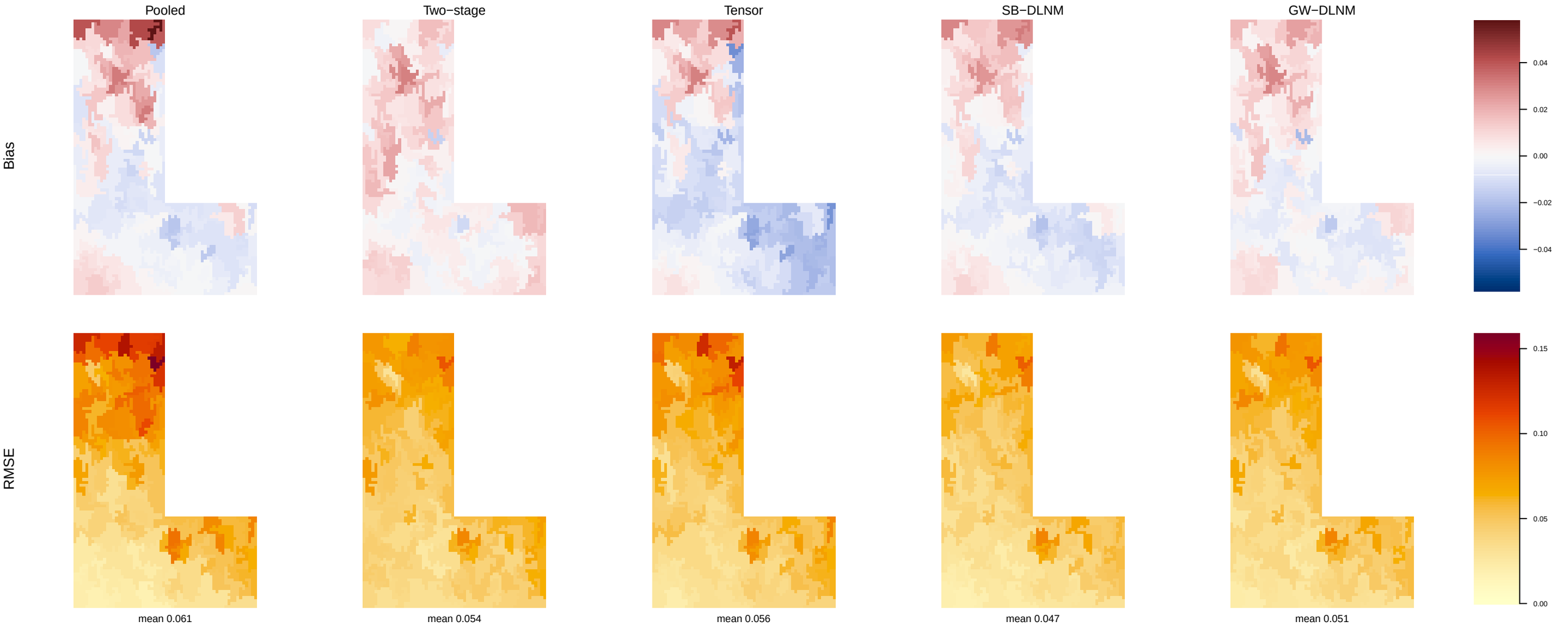
Scenario 663: L−shaped region, 120 counties, mild inequality, regional pattern, spread 0.30, NS gradient, unimodal exposure−response, event rate 0.125, RR 1.2, delayed lag



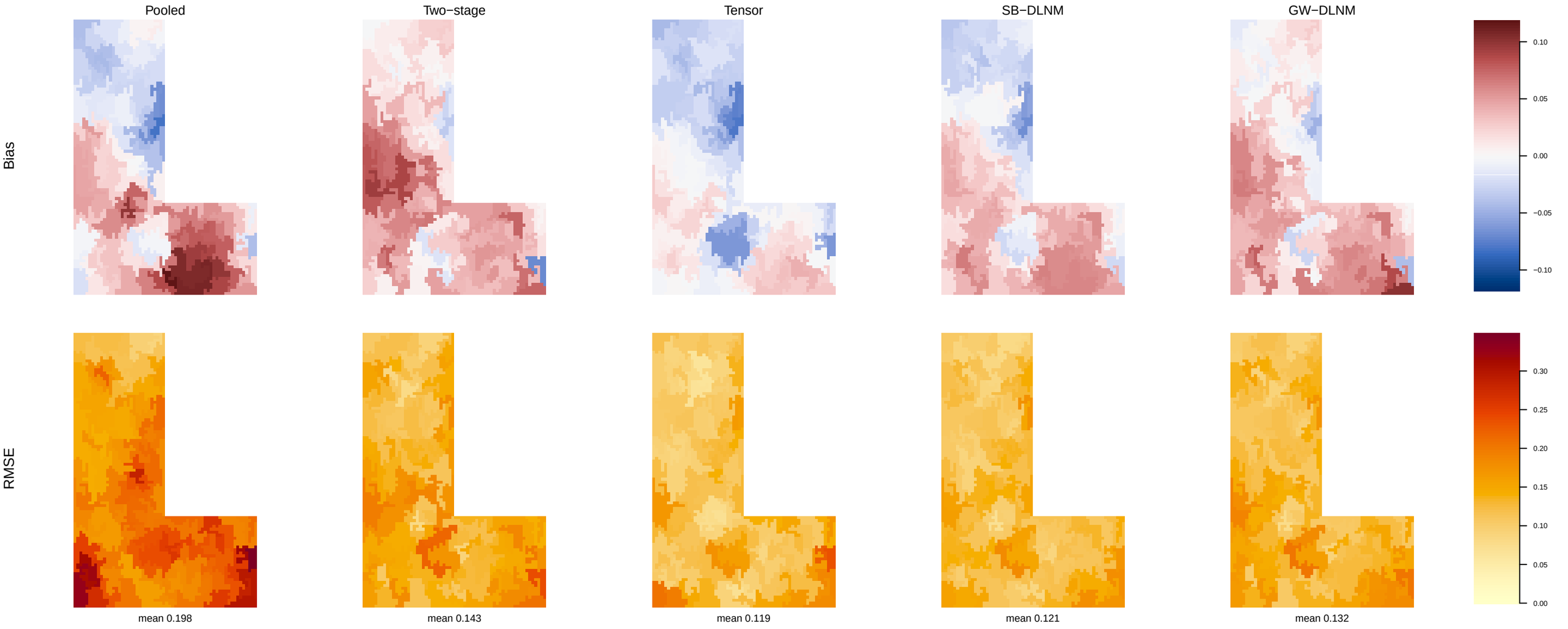
Scenario 727: L−shaped region, 120 counties, mild inequality, boundary pattern, spread 0.30, ridge gradient, unimodal exposure−response, event rate 0.5, RR 1.4, harvest lag



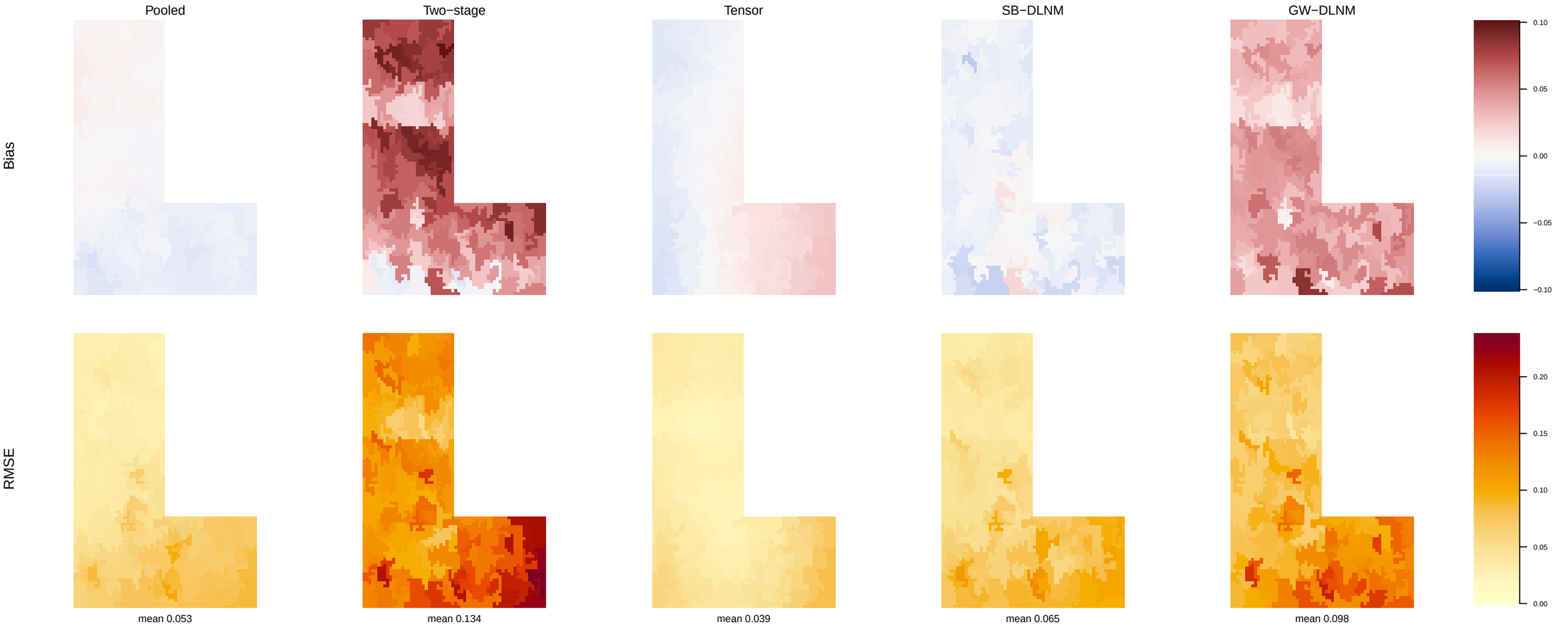
Scenario 535: L−shaped region, 120 counties, mild inequality, independent pattern, spread 0.30, valley gradient, unimodal exposure−response, event rate 2, RR 1.0, short lag



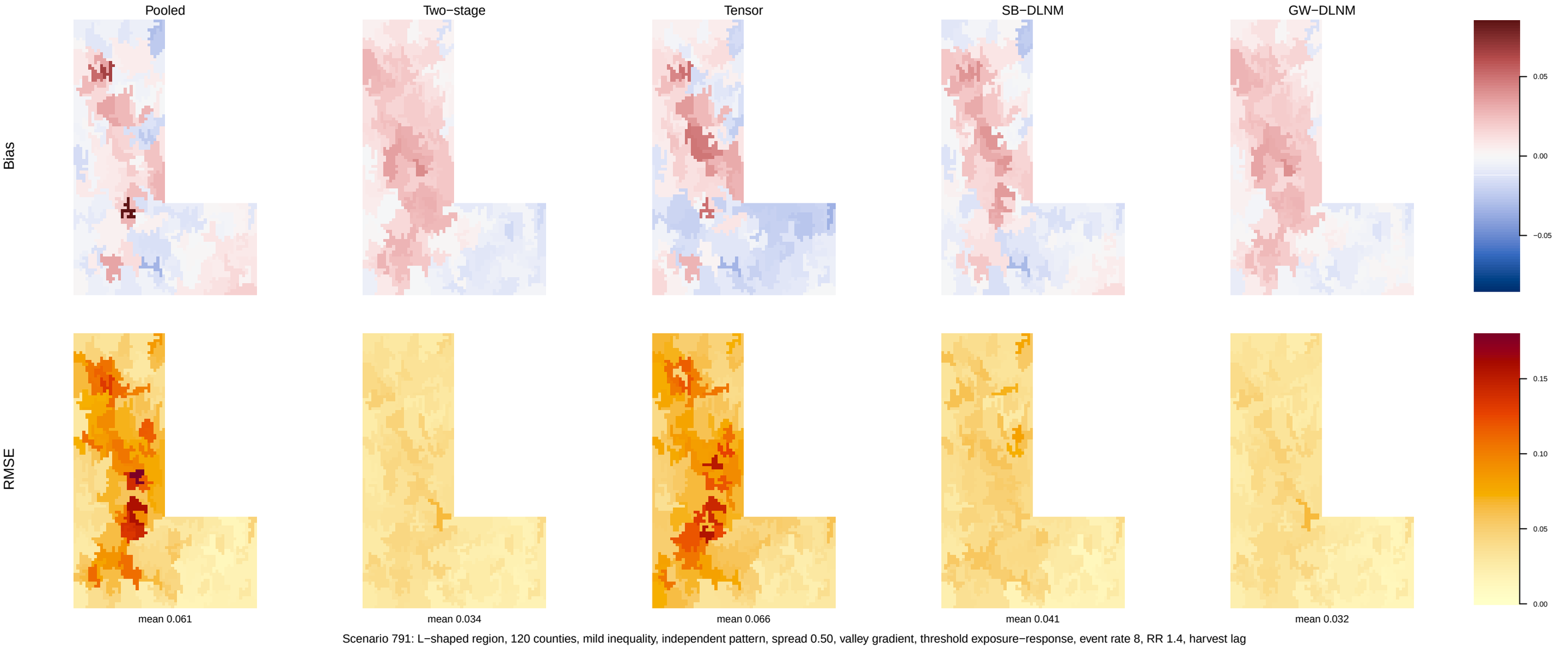
Scenario 855: L−shaped region, 120 counties, mild inequality, local pattern, spread 0.50, edges gradient, threshold exposure−response, event rate 2, RR 1.2, delayed lag



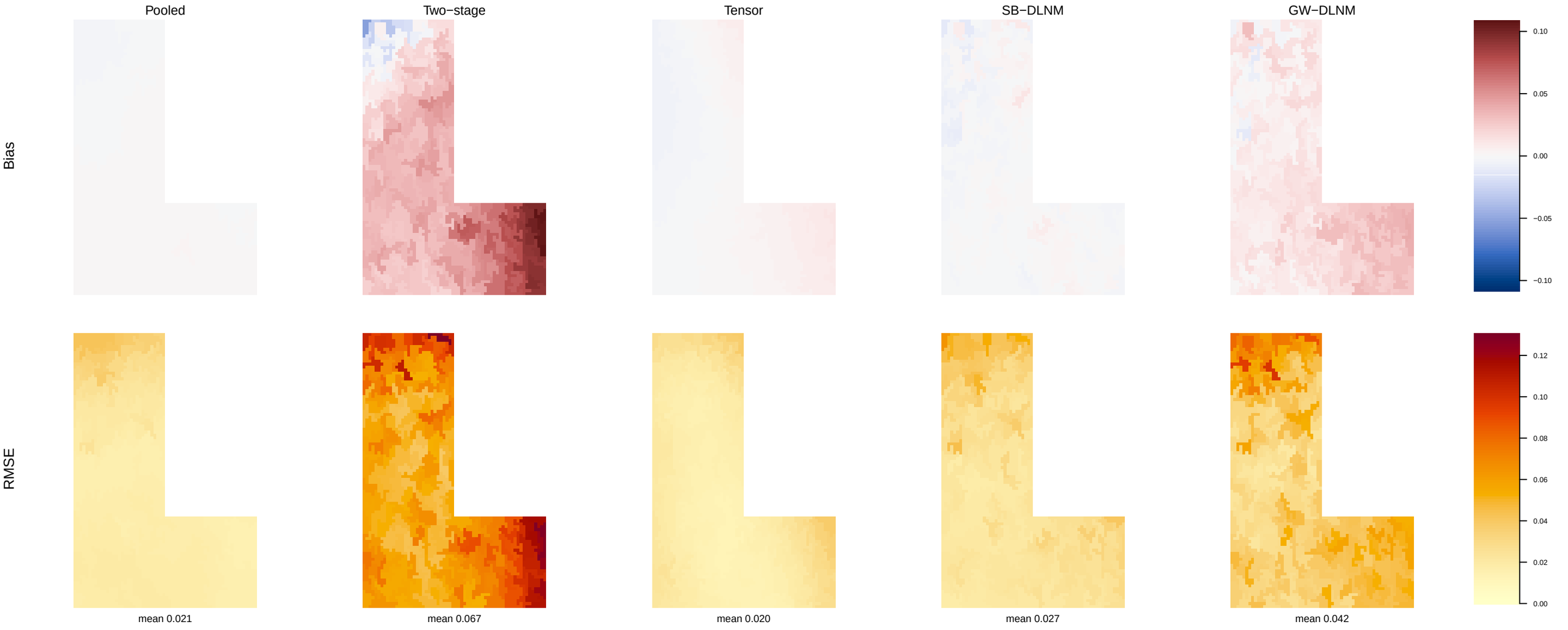
Scenario 919: L−shaped region, 120 counties, mild inequality, regional pattern, spread 0.50, NS gradient, threshold exposure−response, event rate 0.5, RR 1.6, decay lag



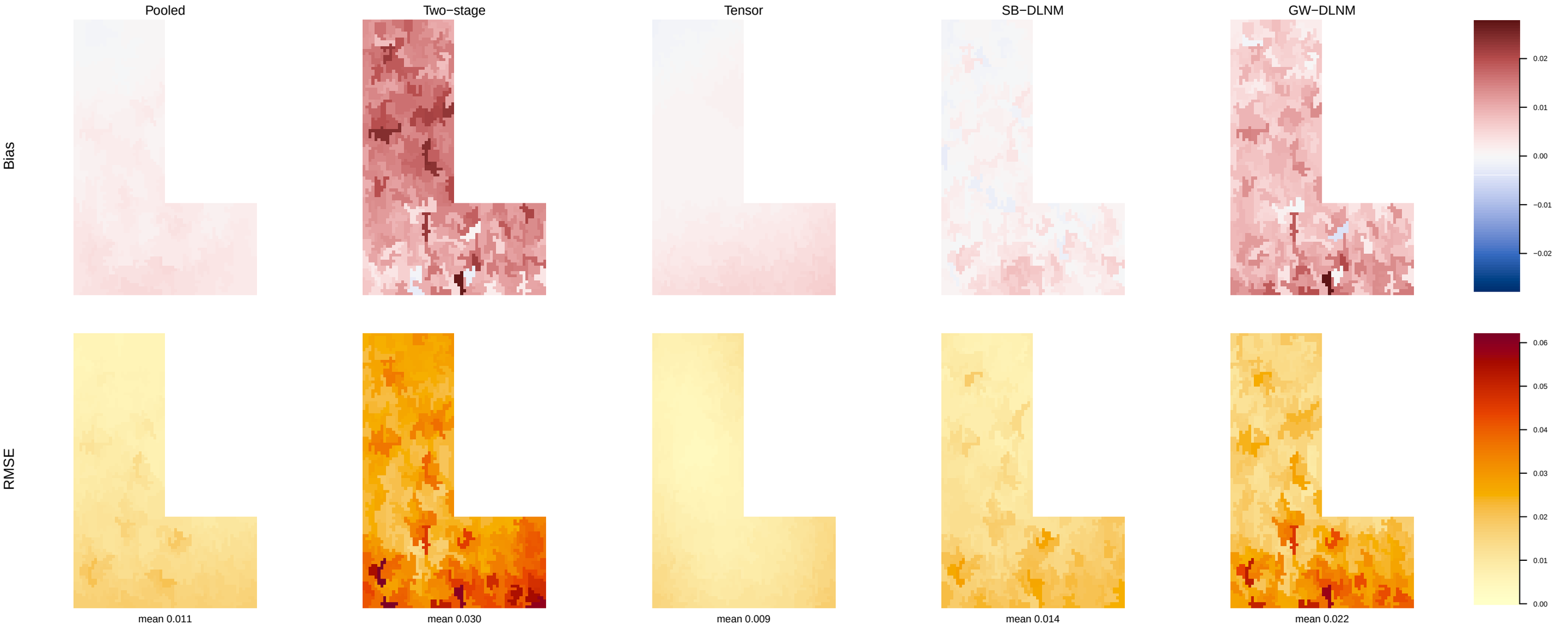
Scenario 983: L−shaped region, 120 counties, mild inequality, boundary pattern, spread 0.50, ridge gradient, threshold exposure−response, event rate 0.125, RR 1.0, short lag



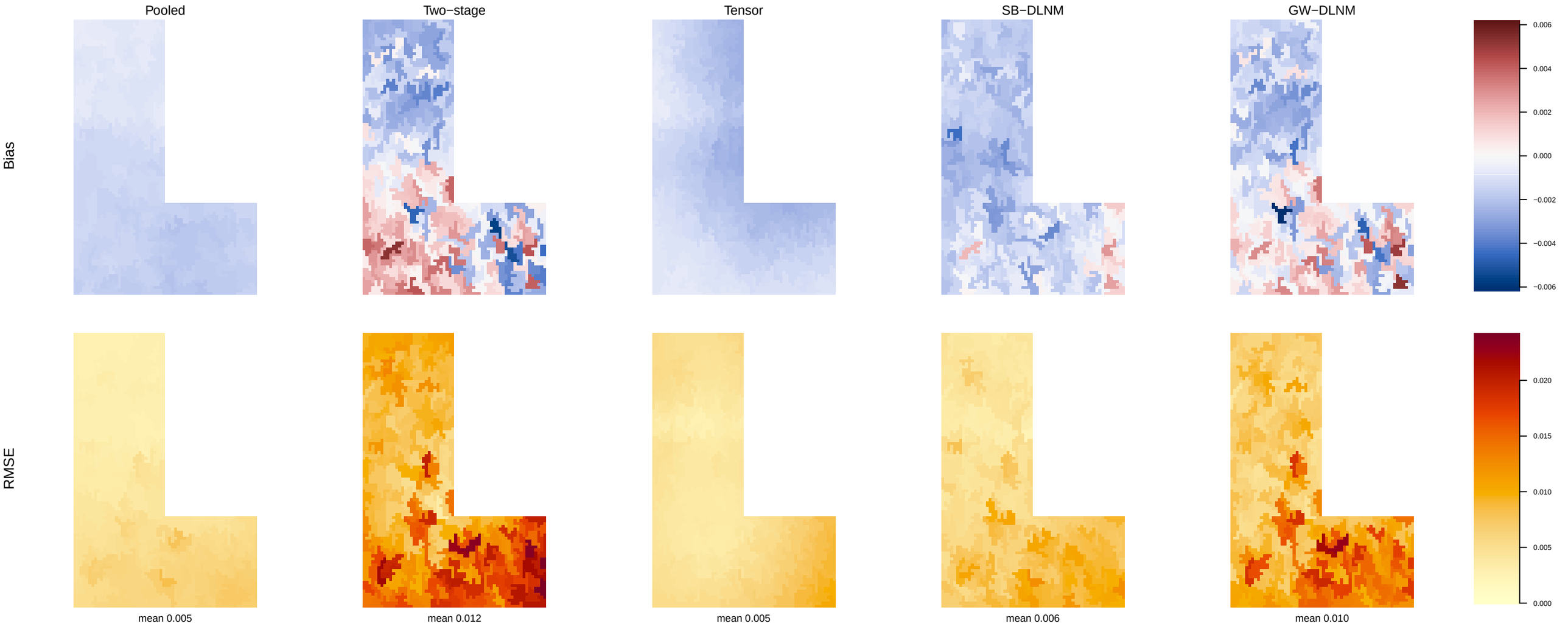
Scenario 791: L−shaped region, 120 counties, mild inequality, independent pattern, spread 0.50, valley gradient, threshold exposure−response, event rate 8, RR 1.4, harvest lag



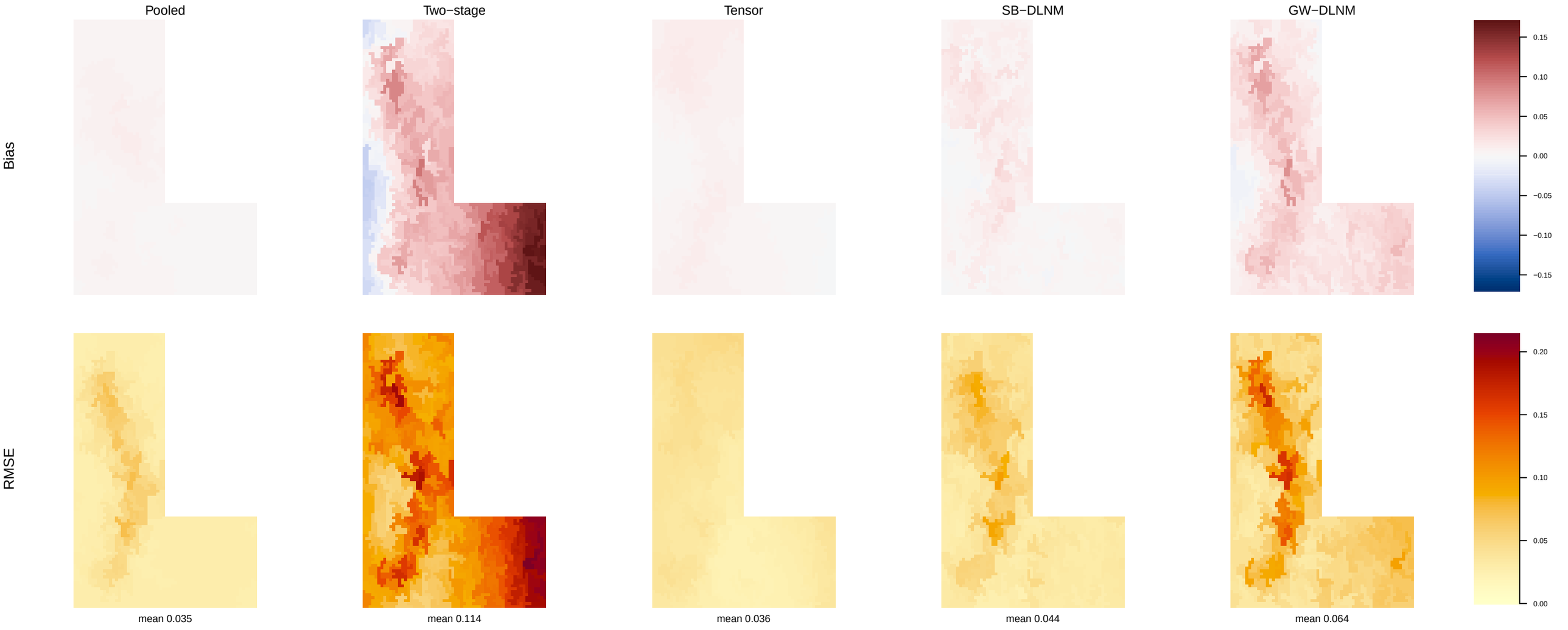
Scenario 203: L−shaped region, 240 counties, equal inequality, boundary pattern, spread 0.00, edges gradient, linear exposure−response, event rate 0.5, RR 1.4, harvest lag



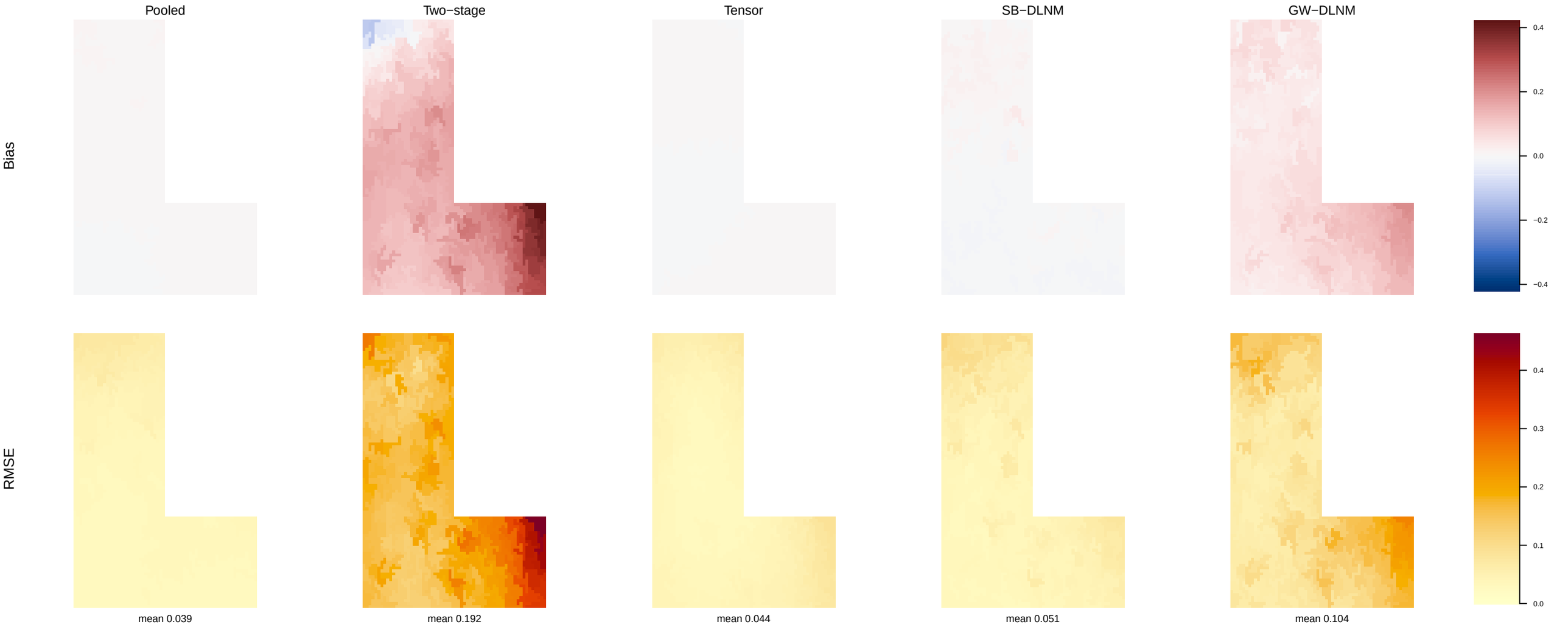
Scenario 11: L−shaped region, 240 counties, equal inequality, independent pattern, spread 0.00, NS gradient, linear exposure−response, event rate 2, RR 1.0, short lag



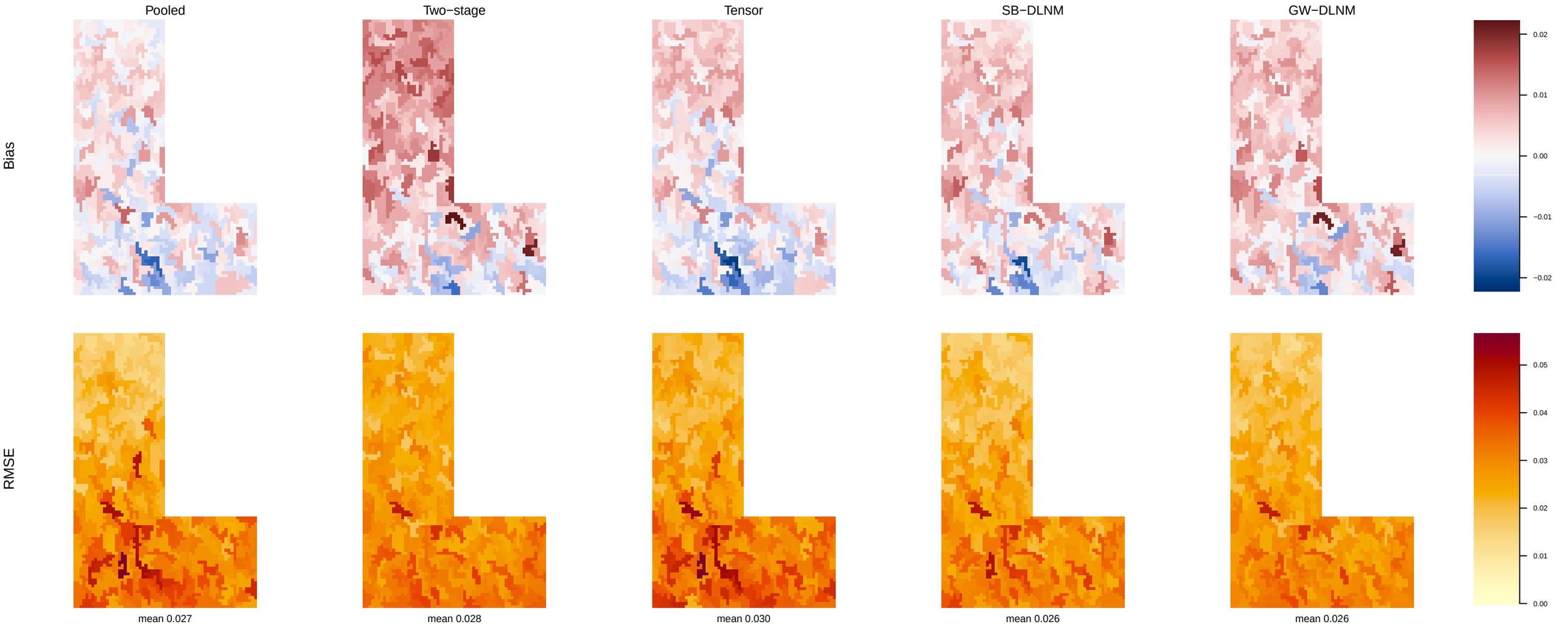
Scenario 75: L−shaped region, 240 counties, equal inequality, local pattern, spread 0.00, ridge gradient, linear exposure−response, event rate 8, RR 1.6, decay lag



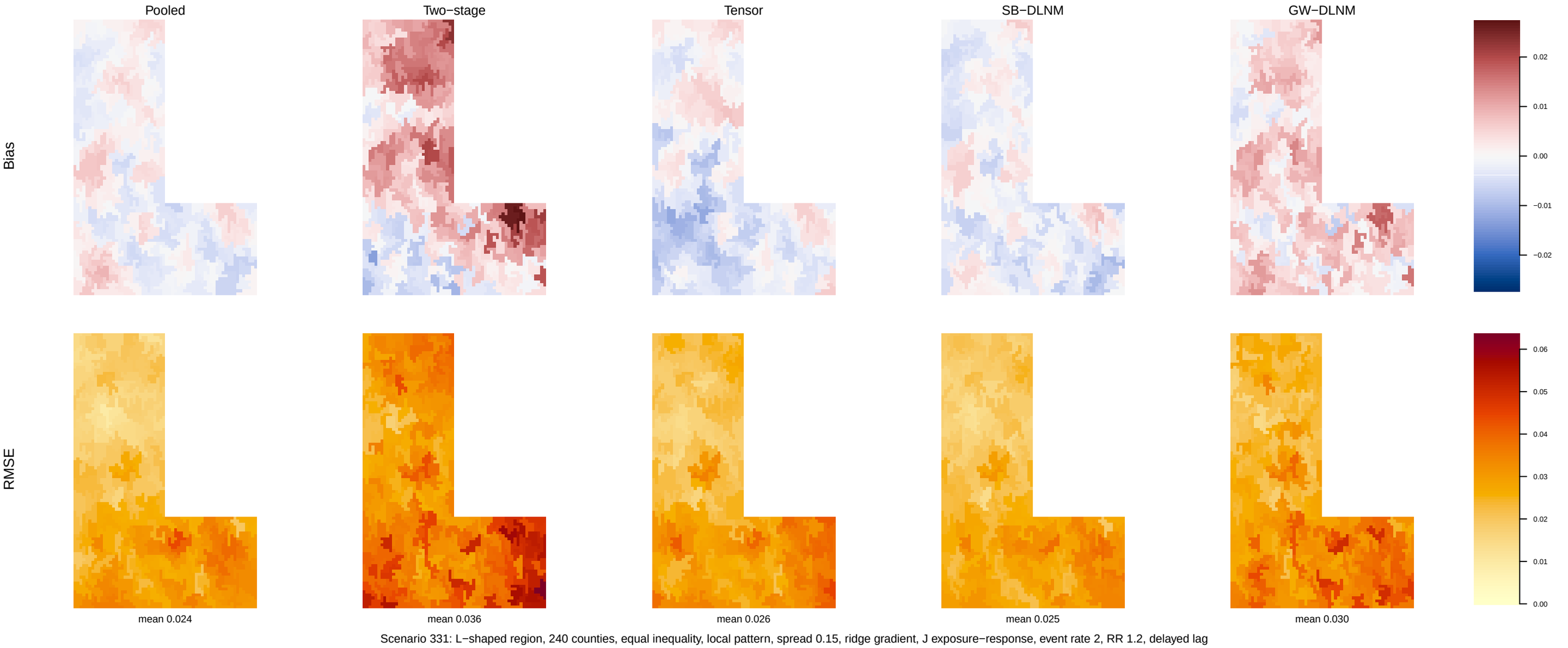
Scenario 139: L−shaped region, 240 counties, equal inequality, regional pattern, spread 0.00, valley gradient, linear exposure−response, event rate 0.125, RR 1.2, delayed lag



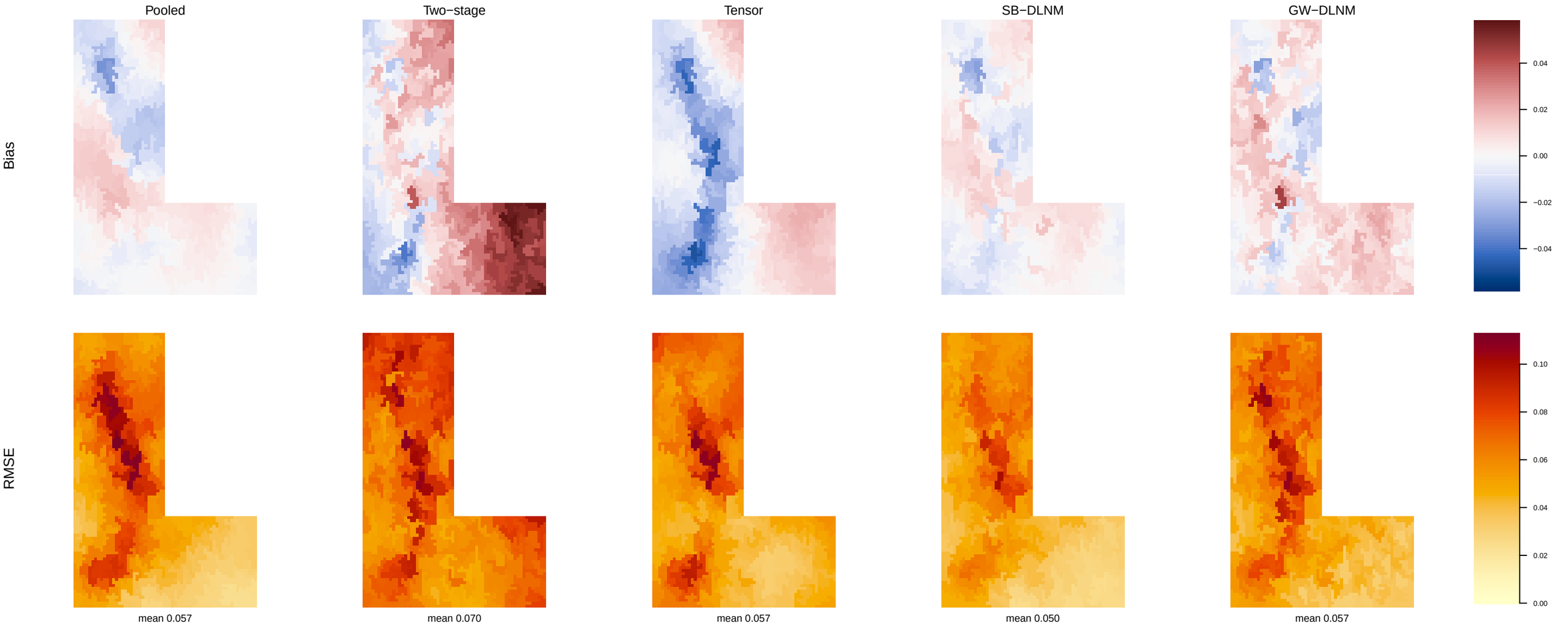
Scenario 459: L−shaped region, 240 counties, equal inequality, boundary pattern, spread 0.15, edges gradient, J exposure−response, event rate 0.125, RR 1.0, short lag



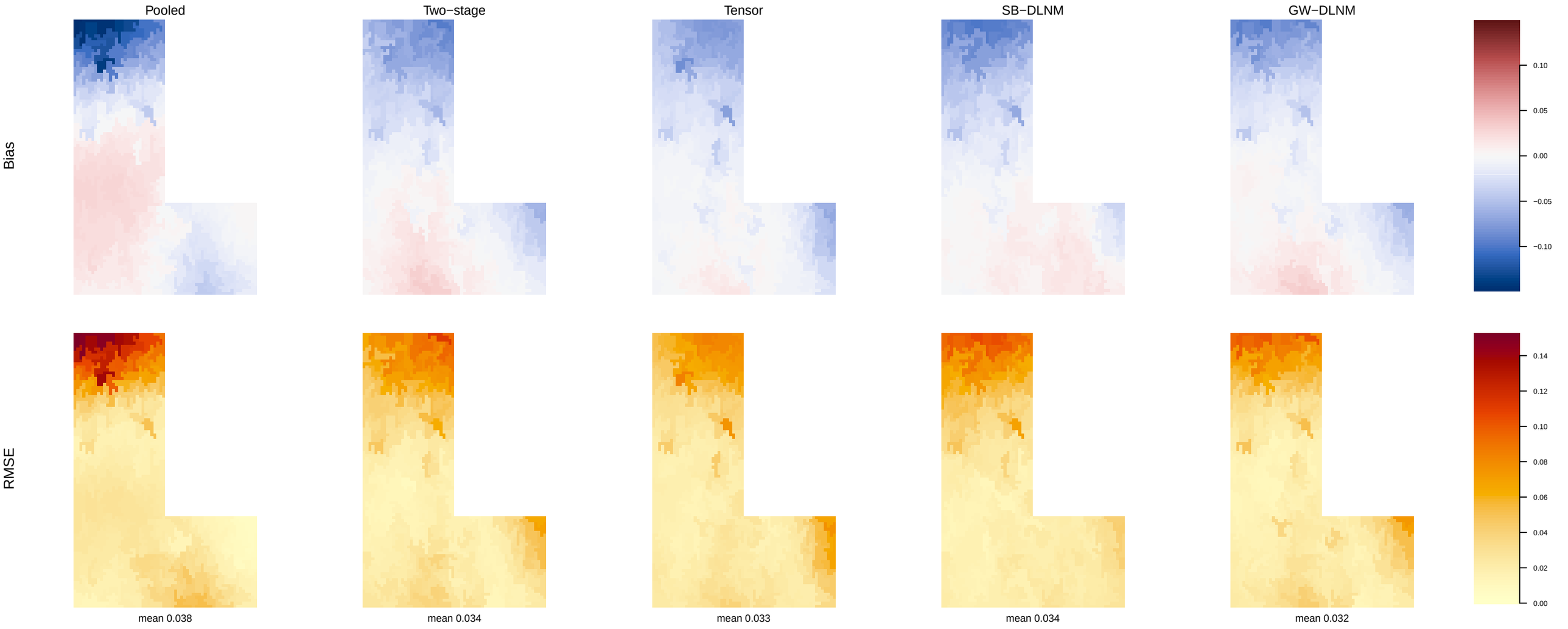
Scenario 267: L−shaped region, 240 counties, equal inequality, independent pattern, spread 0.15, NS gradient, J exposure−response, event rate 8, RR 1.4, harvest lag



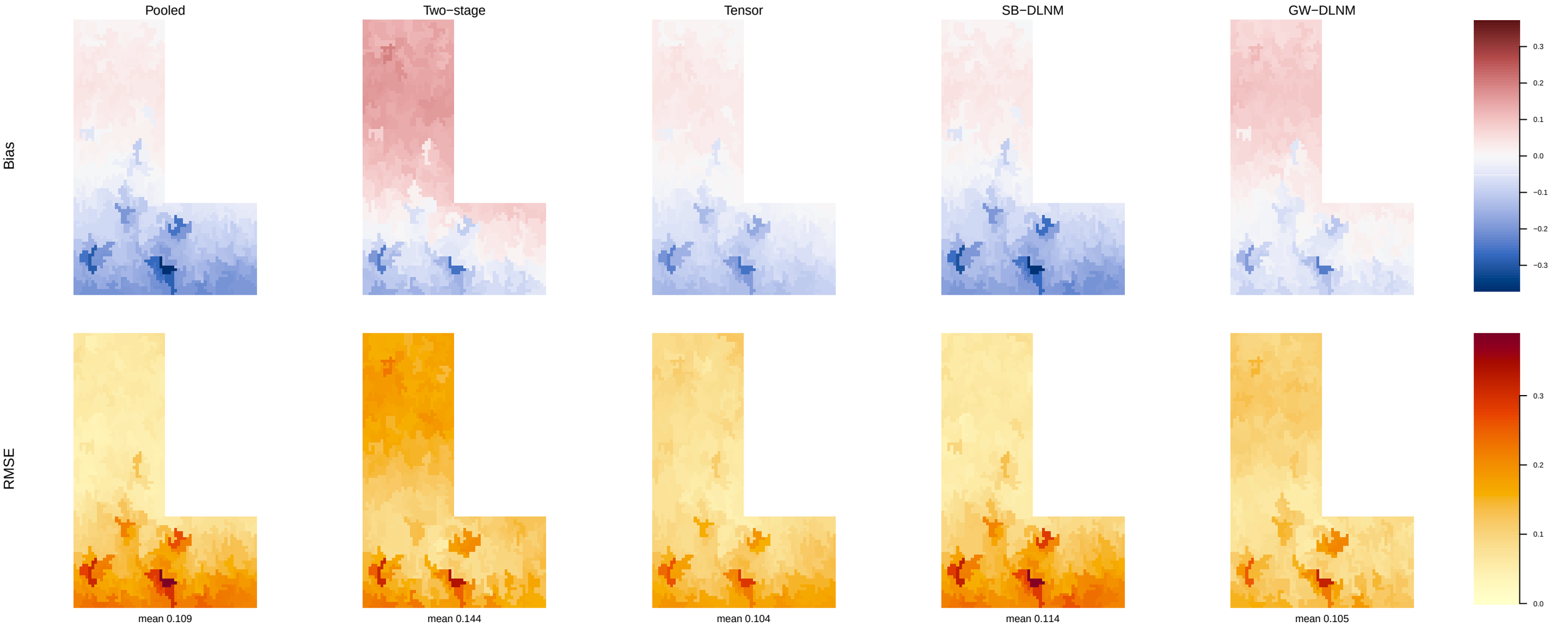
Scenario 331: L−shaped region, 240 counties, equal inequality, local pattern, spread 0.15, ridge gradient, J exposure−response, event rate 2, RR 1.2, delayed lag



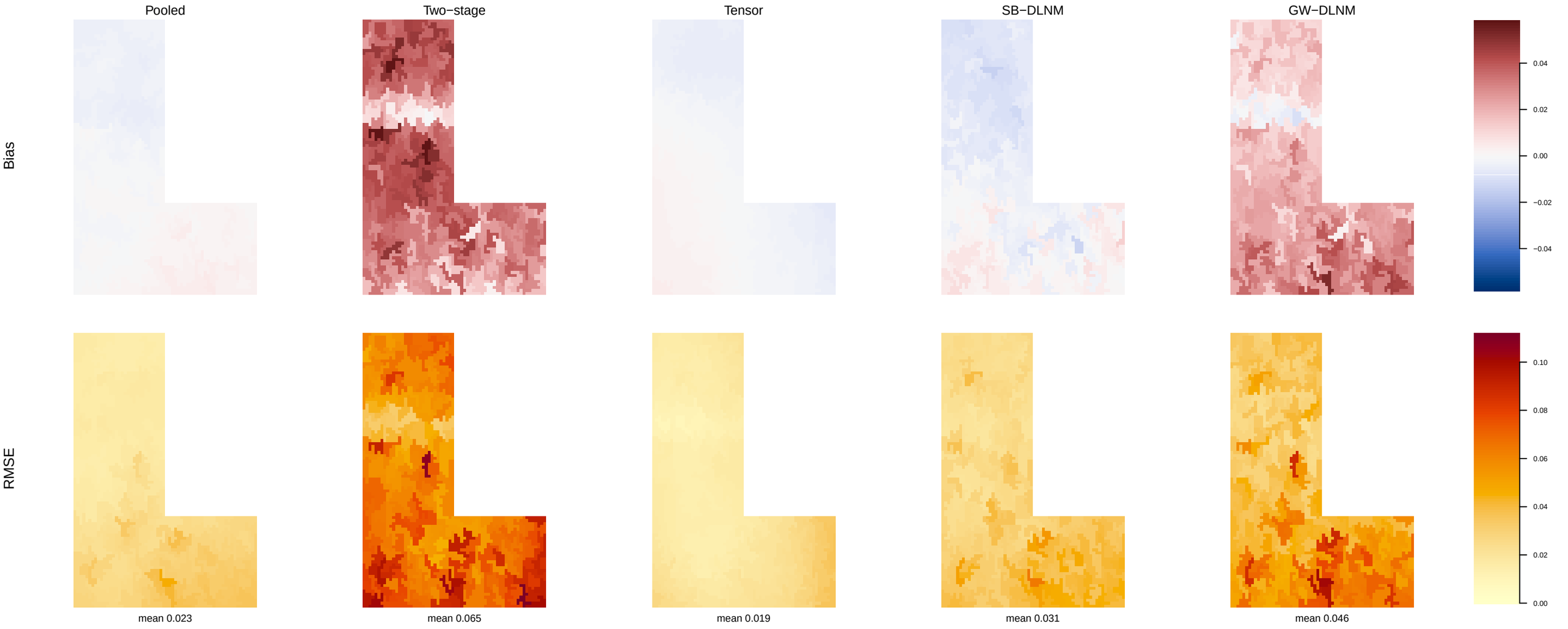
Scenario 395: L−shaped region, 240 counties, equal inequality, regional pattern, spread 0.15, valley gradient, J exposure−response, event rate 0.5, RR 1.6, decay lag



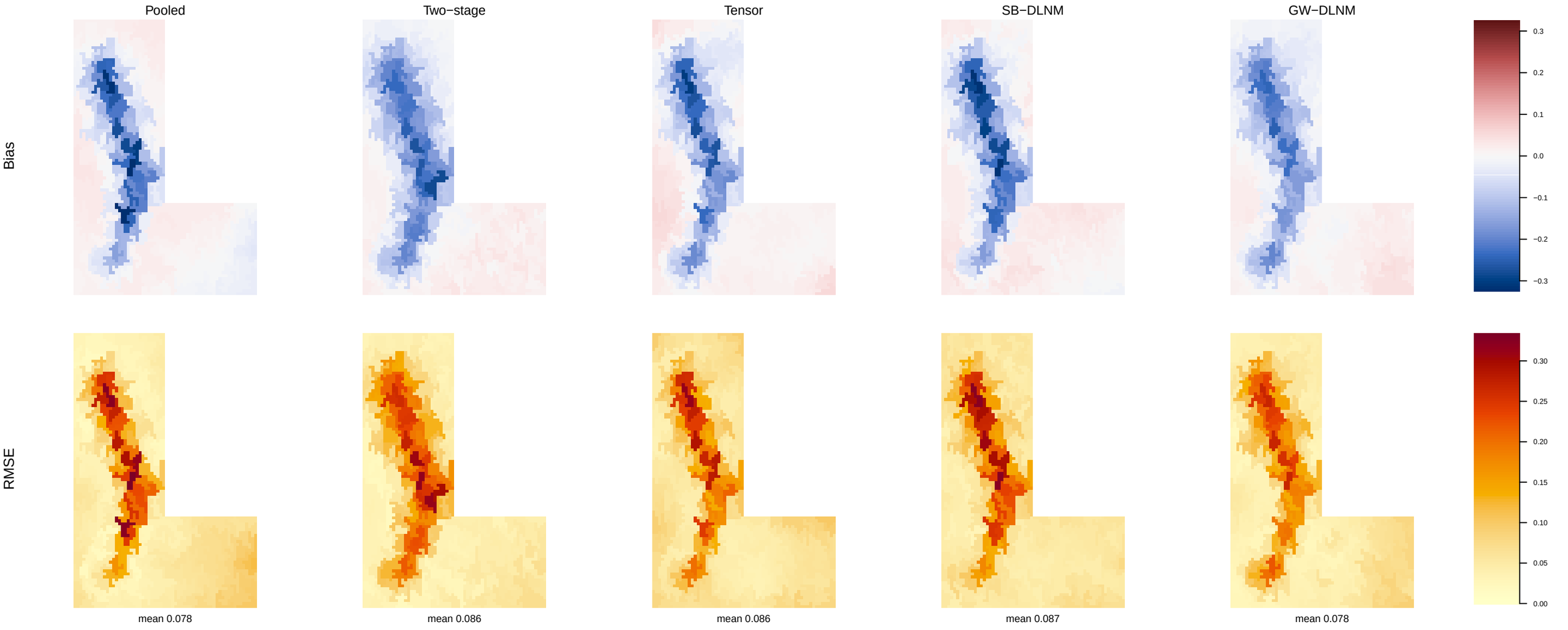
Scenario 715: L−shaped region, 240 counties, equal inequality, boundary pattern, spread 0.30, edges gradient, unimodal exposure−response, event rate 8, RR 1.2, delayed lag



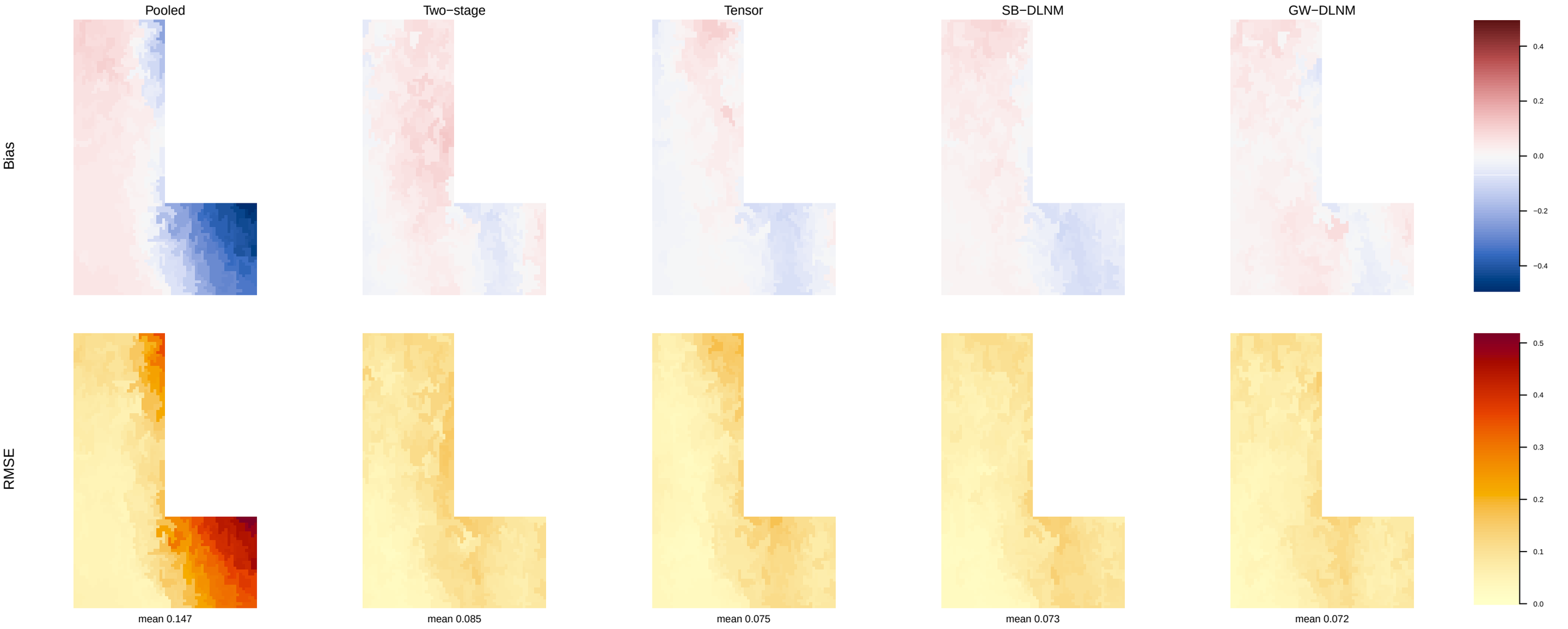
Scenario 523: L−shaped region, 240 counties, equal inequality, independent pattern, spread 0.30, NS gradient, unimodal exposure−response, event rate 0.125, RR 1.6, decay lag



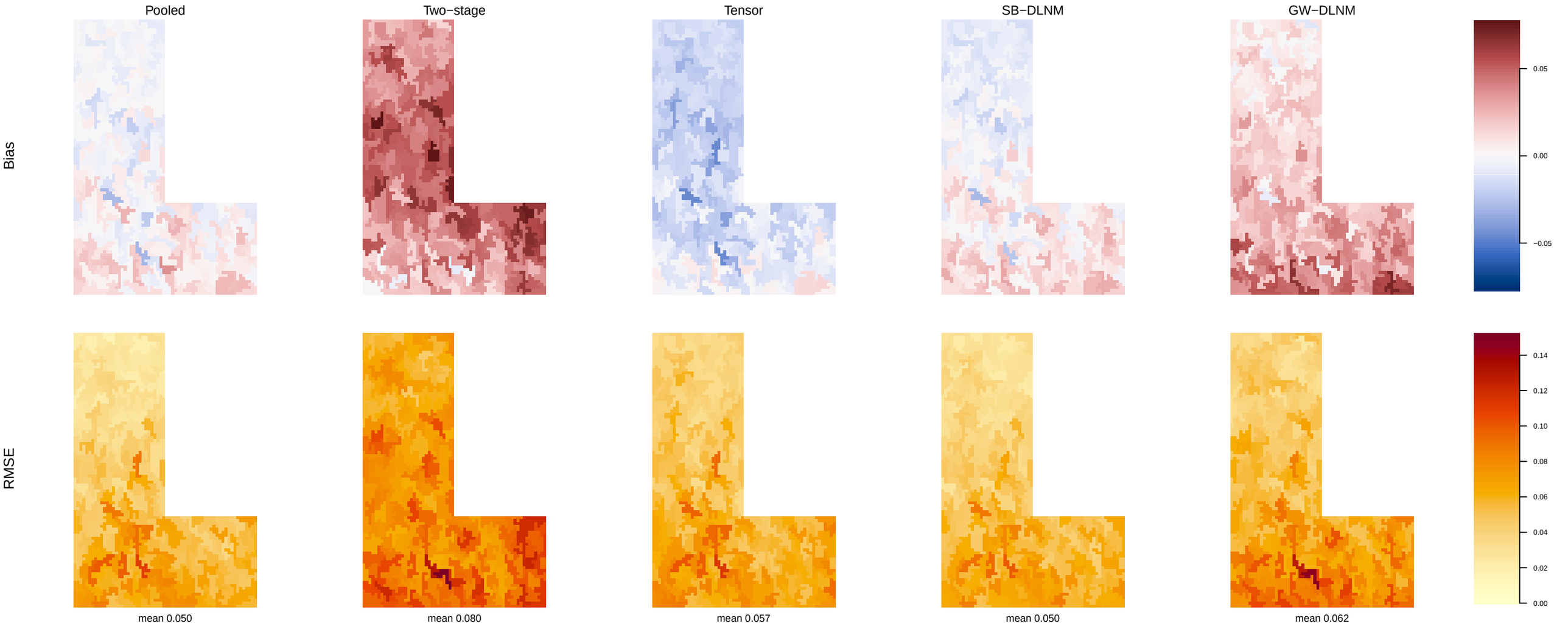
Scenario 587: L−shaped region, 240 counties, equal inequality, local pattern, spread 0.30, ridge gradient, unimodal exposure−response, event rate 0.5, RR 1.0, short lag



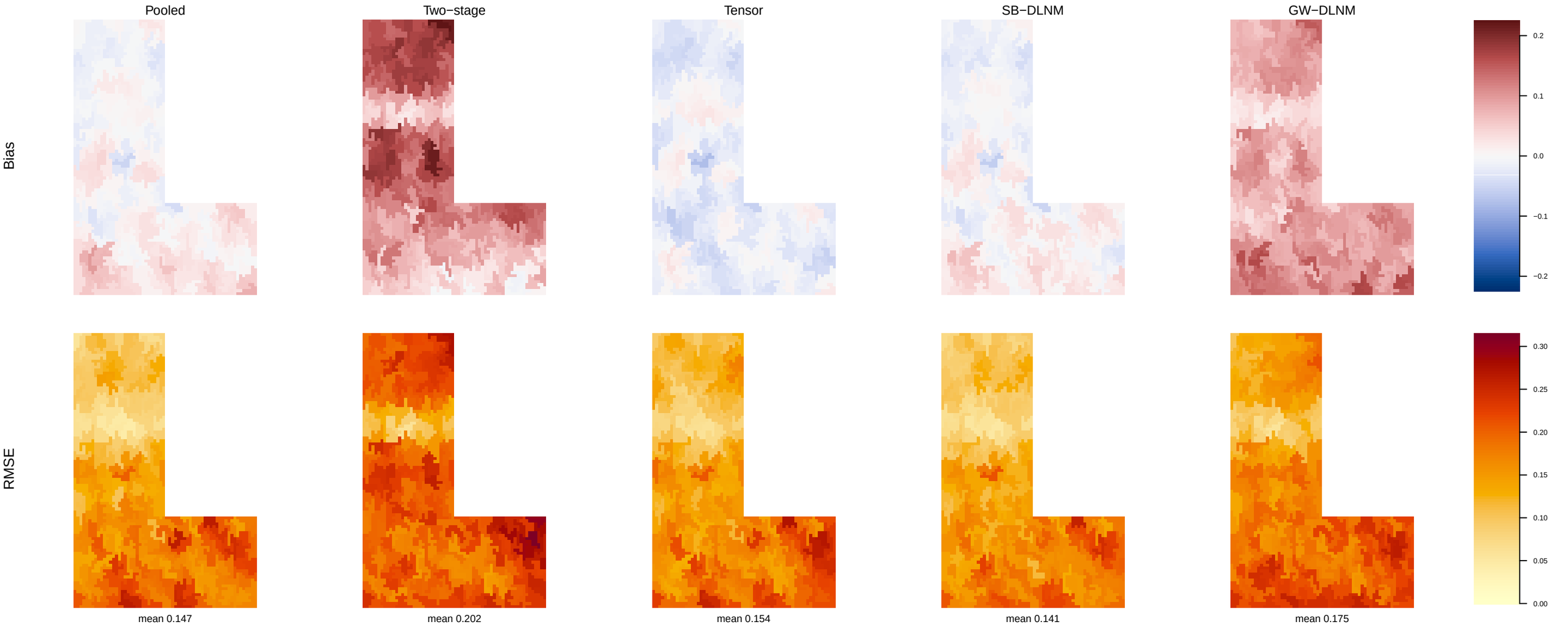
Scenario 651: L−shaped region, 240 counties, equal inequality, regional pattern, spread 0.30, valley gradient, unimodal exposure−response, event rate 2, RR 1.4, harvest lag



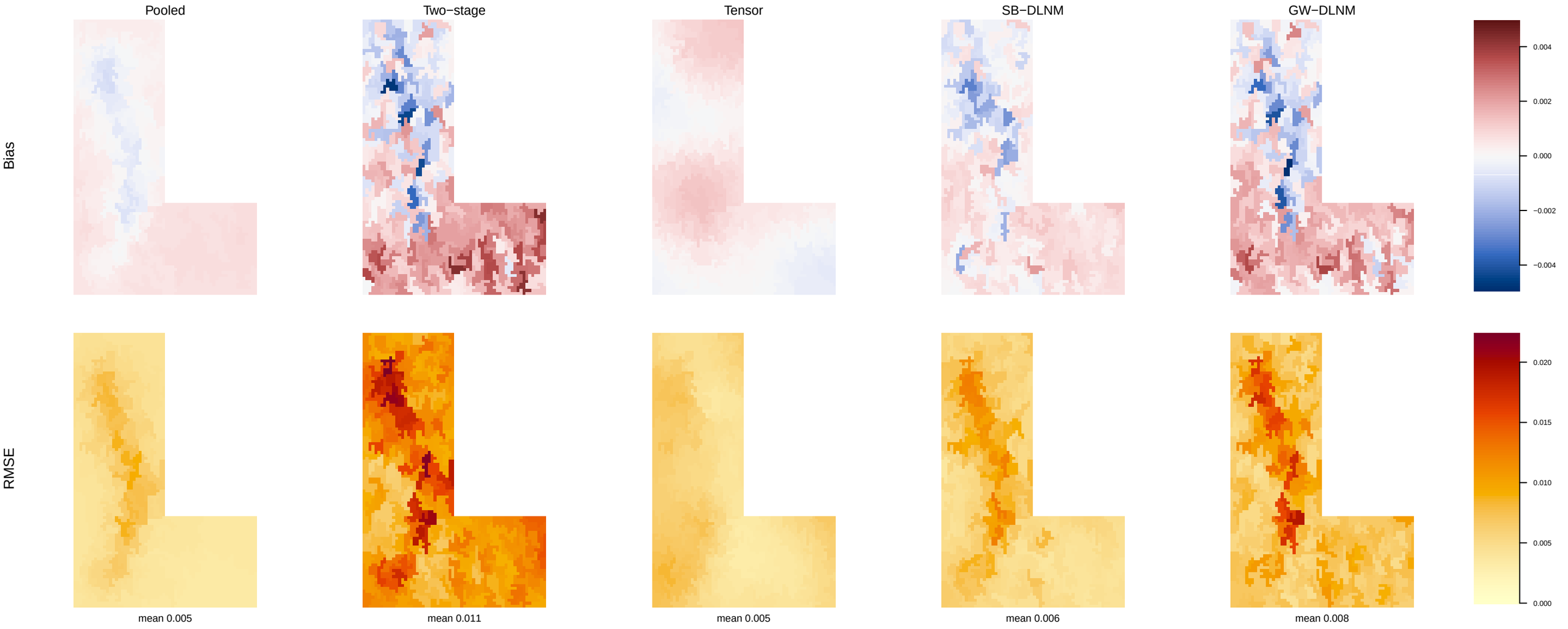
Scenario 971: L−shaped region, 240 counties, equal inequality, boundary pattern, spread 0.50, edges gradient, threshold exposure−response, event rate 2, RR 1.6, decay lag



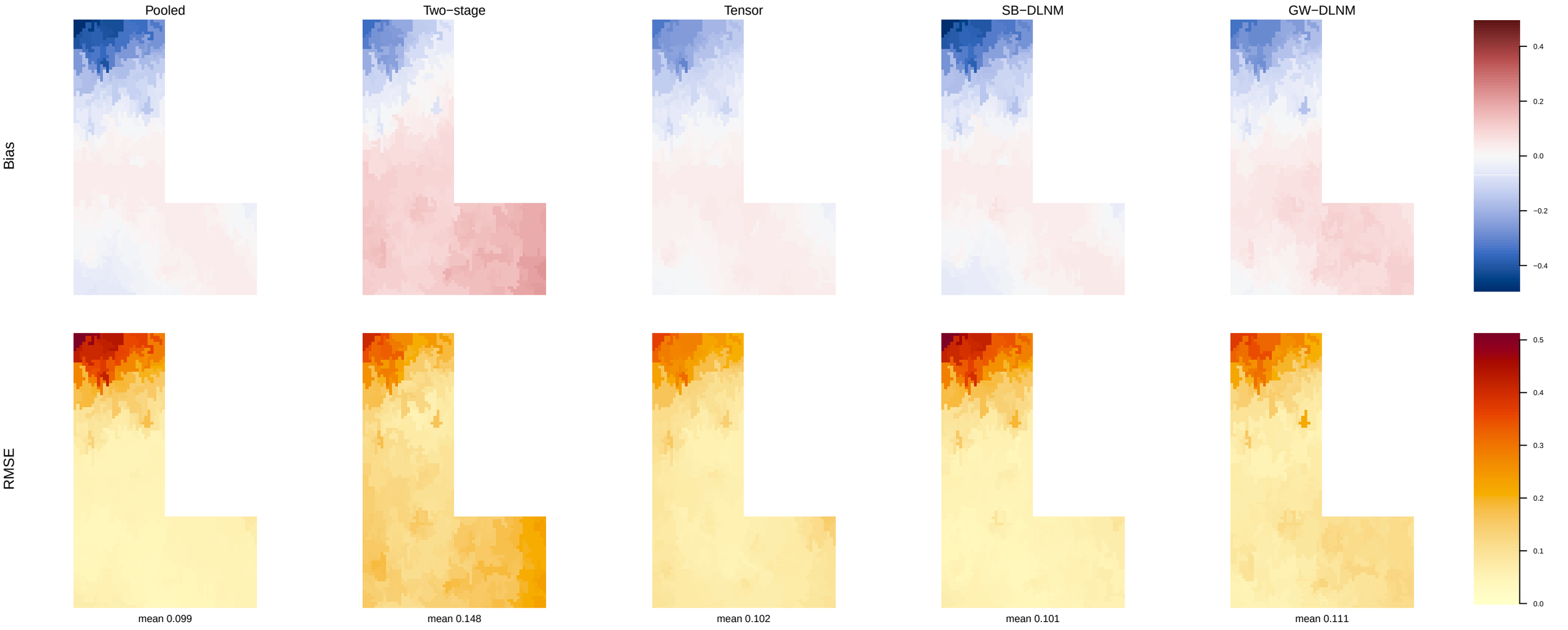
Scenario 779: L−shaped region, 240 counties, equal inequality, independent pattern, spread 0.50, NS gradient, threshold exposure−response, event rate 0.5, RR 1.2, delayed lag



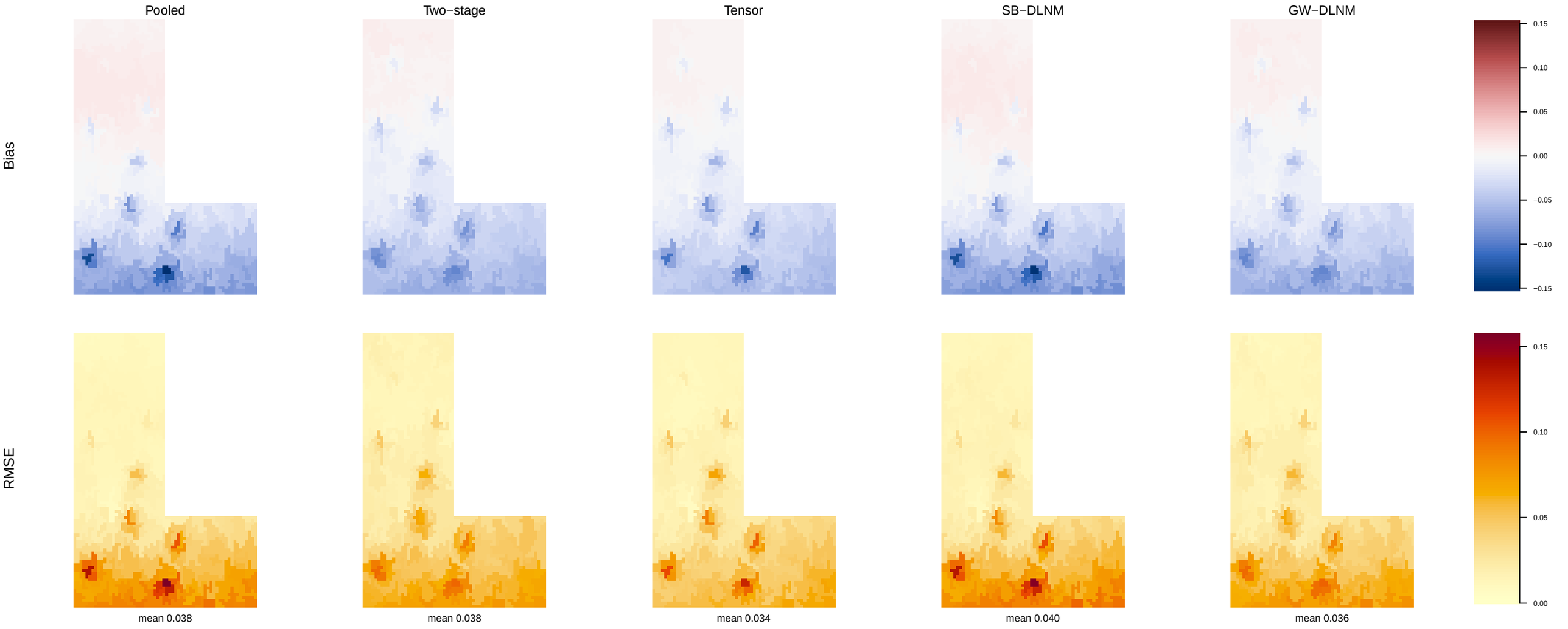
Scenario 843: L−shaped region, 240 counties, equal inequality, local pattern, spread 0.50, ridge gradient, threshold exposure−response, event rate 0.125, RR 1.4, harvest lag



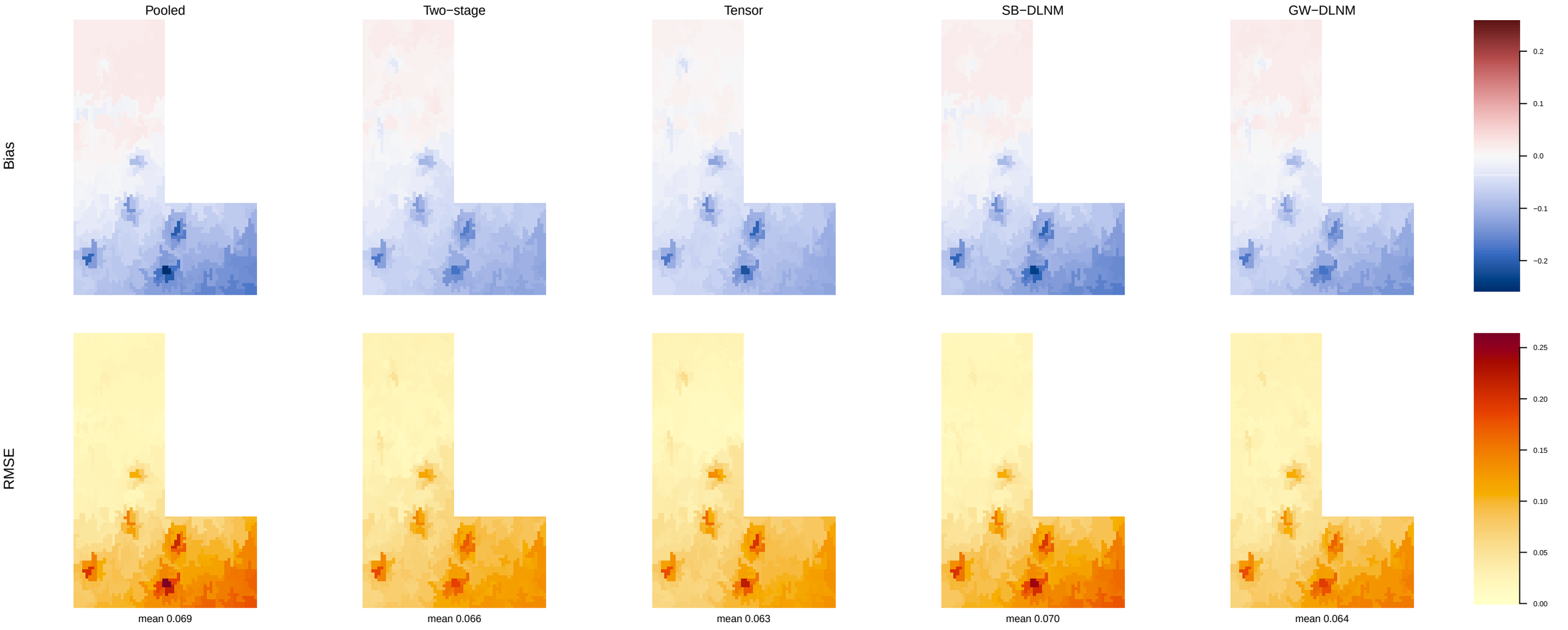
Scenario 907: L−shaped region, 240 counties, equal inequality, regional pattern, spread 0.50, valley gradient, threshold exposure−response, event rate 8, RR 1.0, short lag



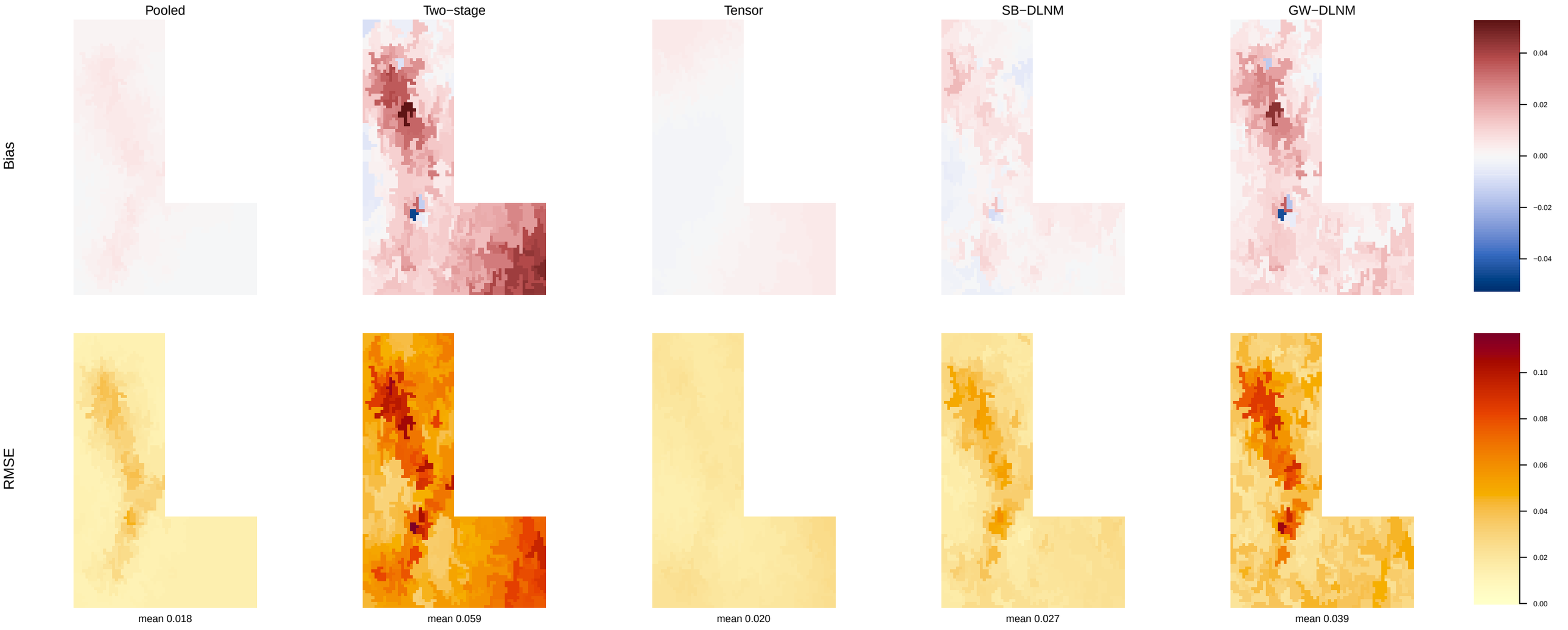
Scenario 107: L−shaped region, 240 counties, moderate inequality, local pattern, spread 0.00, edges gradient, unimodal exposure−response, event rate 0.125, RR 1.6, short lag



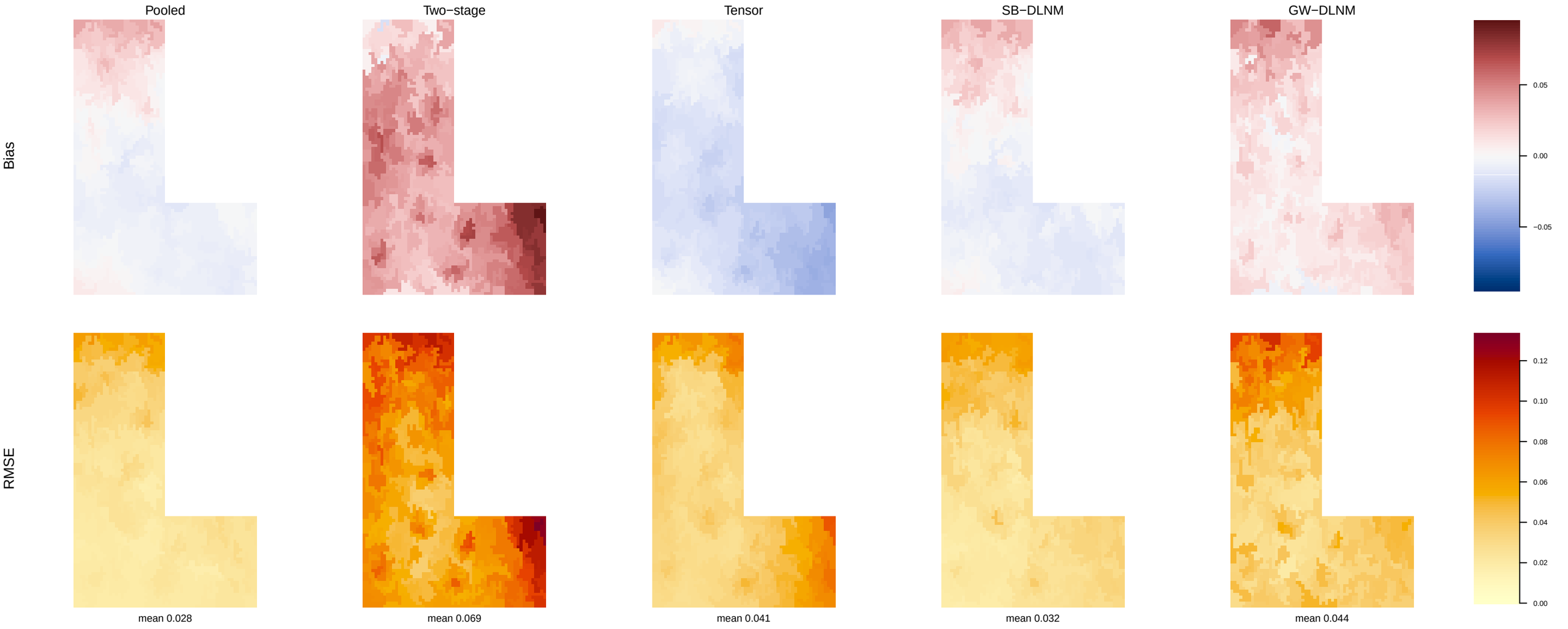
Scenario 171: L−shaped region, 240 counties, moderate inequality, regional pattern, spread 0.00, NS gradient, unimodal exposure−response, event rate 8, RR 1.2, harvest lag



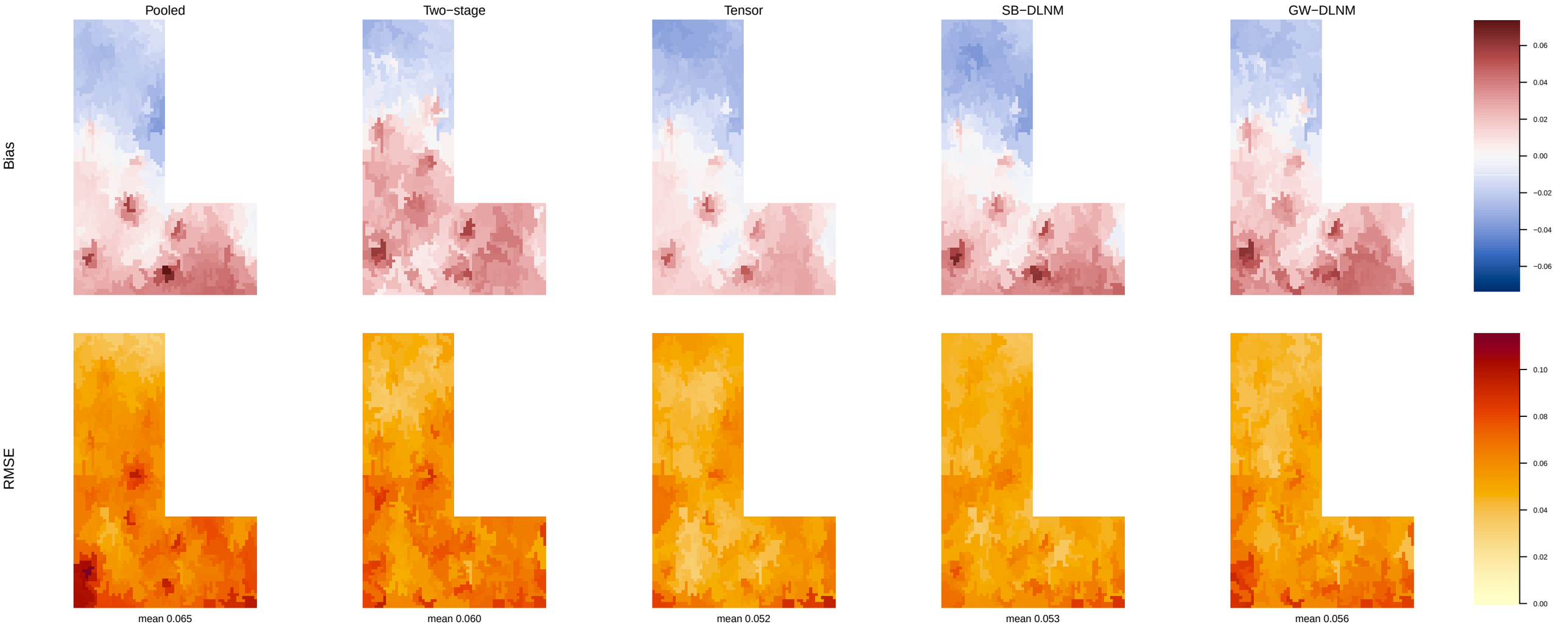
Scenario 235: L−shaped region, 240 counties, moderate inequality, boundary pattern, spread 0.00, ridge gradient, unimodal exposure−response, event rate 2, RR 1.4, delayed lag



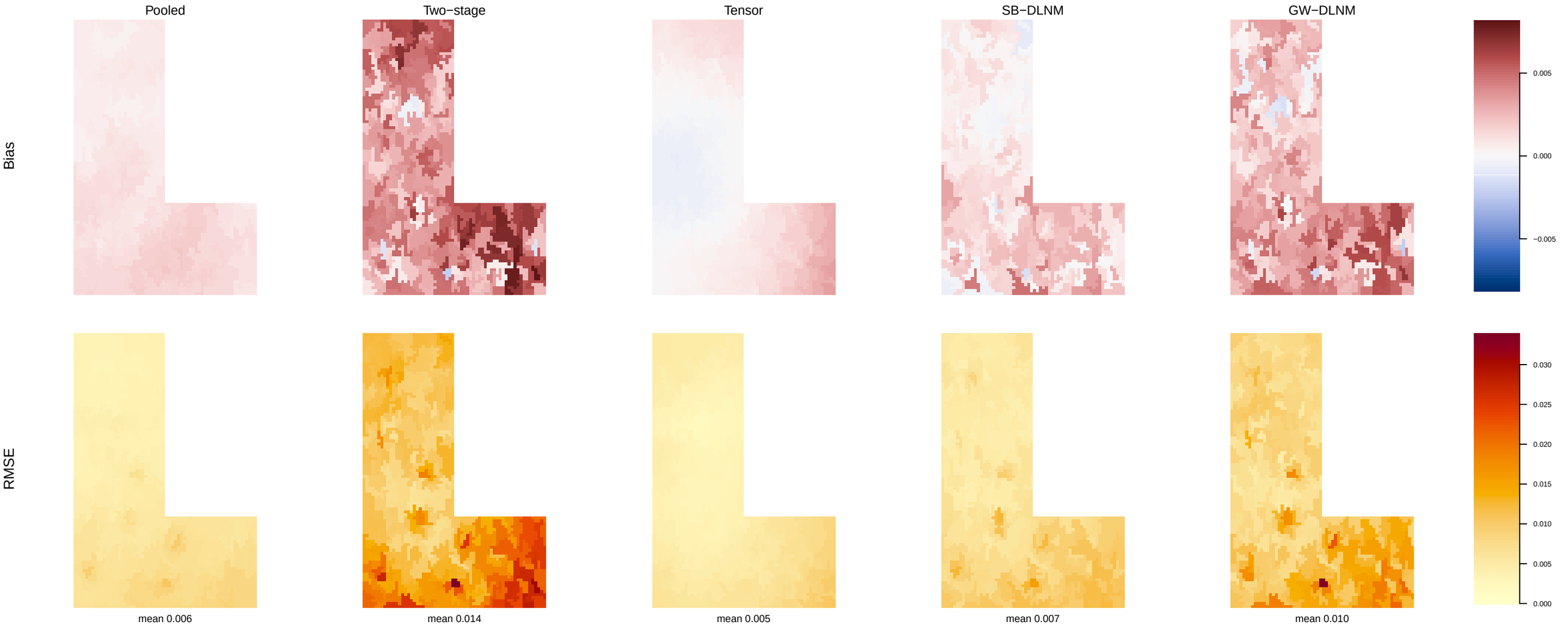
Scenario 43: L−shaped region, 240 counties, moderate inequality, independent pattern, spread 0.00, valley gradient, unimodal exposure−response, event rate 0.5, RR 1.0, decay lag



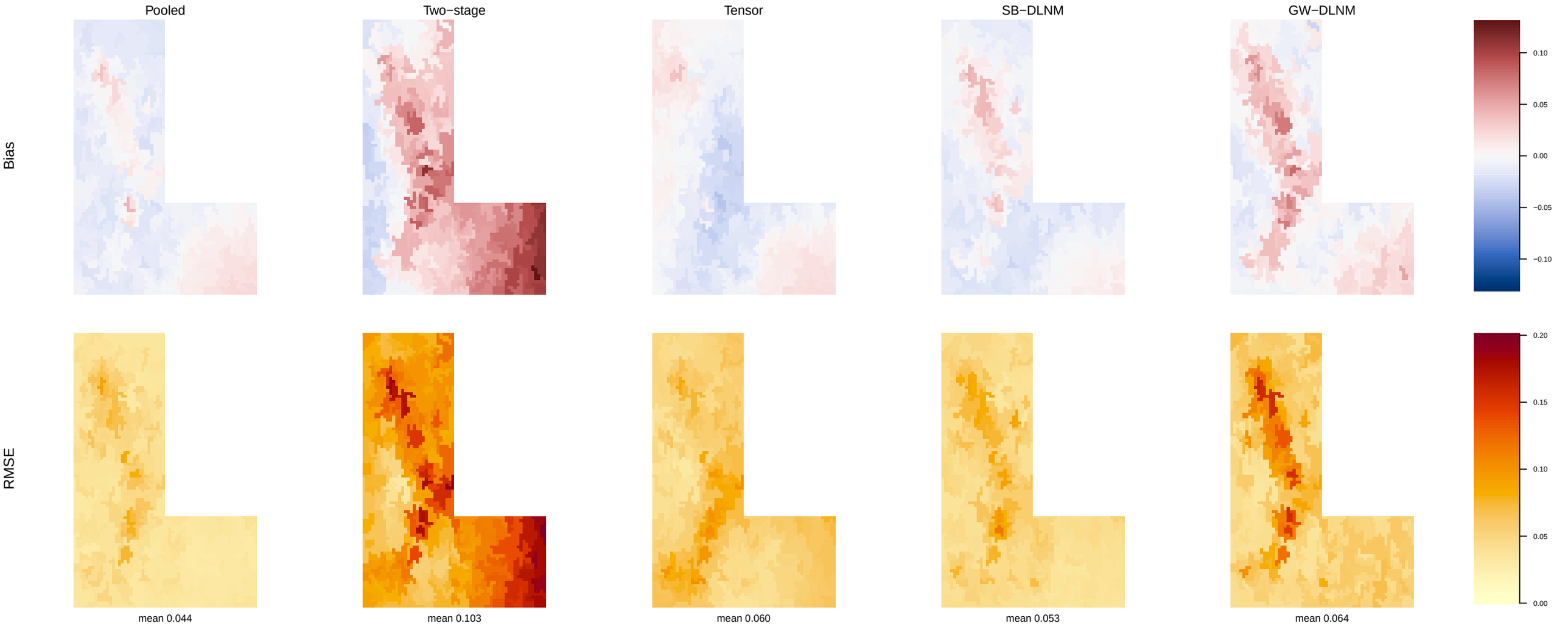
Scenario 363: L−shaped region, 240 counties, moderate inequality, local pattern, spread 0.15, edges gradient, threshold exposure−response, event rate 0.5, RR 1.2, harvest lag



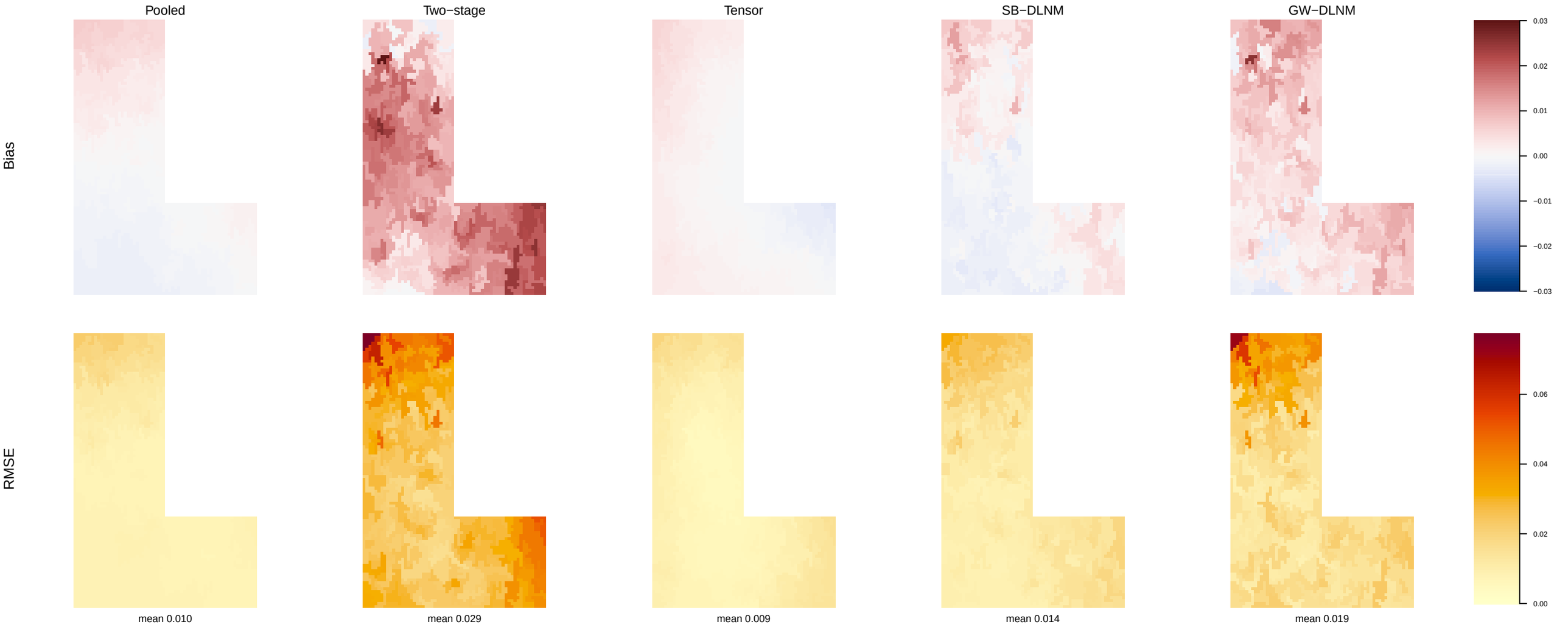
Scenario 427: L−shaped region, 240 counties, moderate inequality, regional pattern, spread 0.15, NS gradient, threshold exposure−response, event rate 2, RR 1.6, short lag



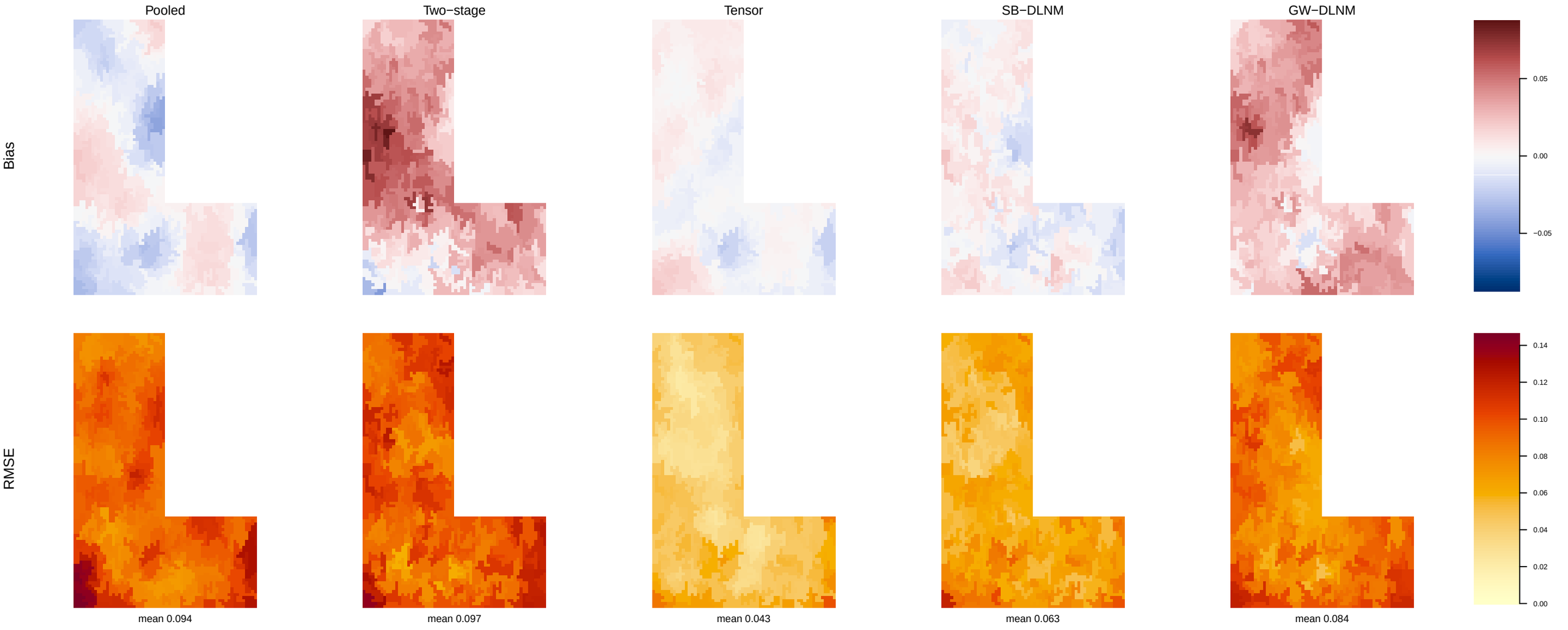
Scenario 491: L−shaped region, 240 counties, moderate inequality, boundary pattern, spread 0.15, ridge gradient, threshold exposure−response, event rate 8, RR 1.0, decay lag



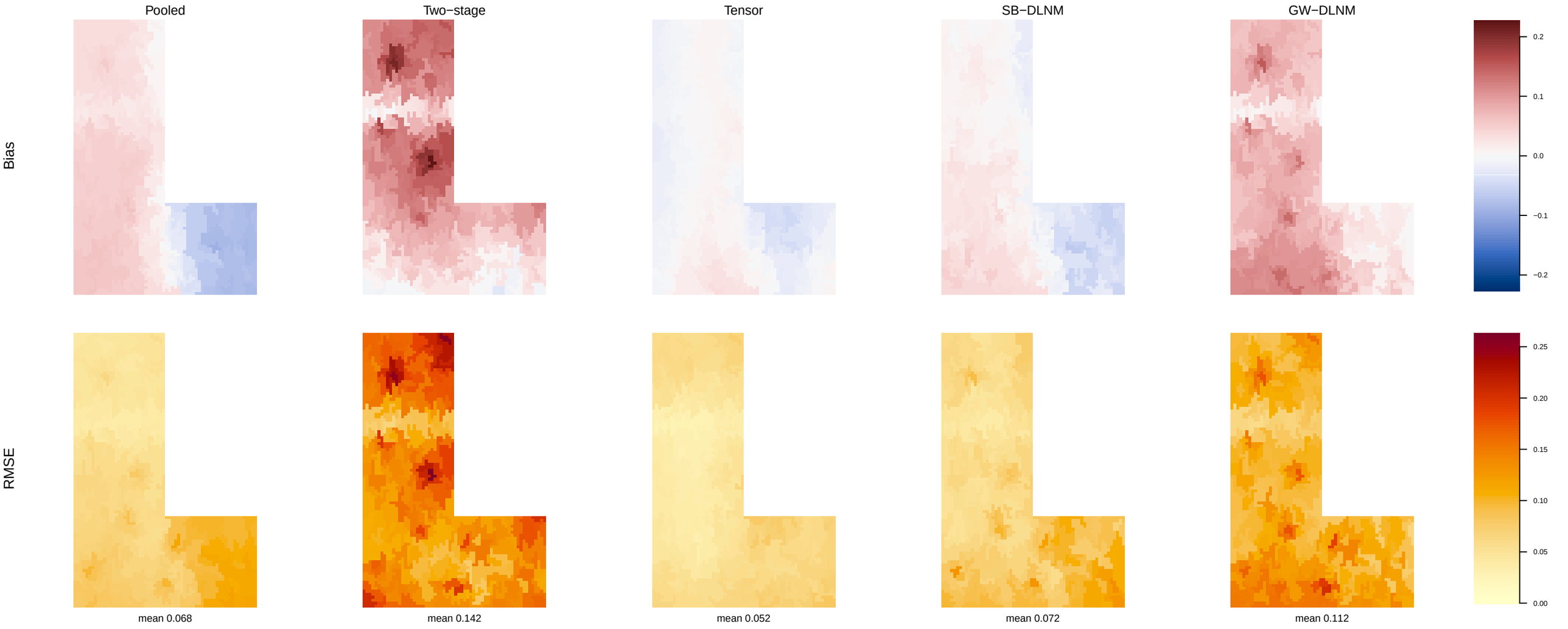
Scenario 299: L−shaped region, 240 counties, moderate inequality, independent pattern, spread 0.15, valley gradient, threshold exposure−response, event rate 0.125, RR 1.4, delayed lag



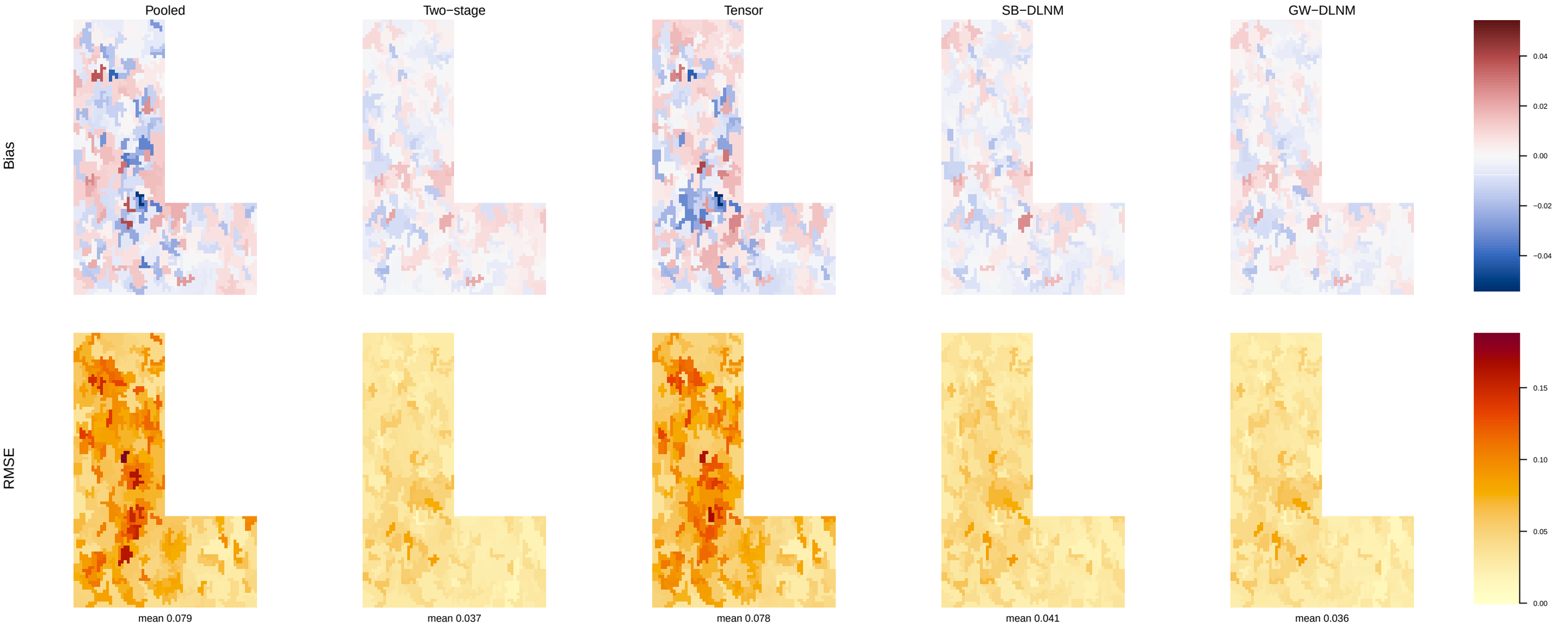
Scenario 619: L−shaped region, 240 counties, moderate inequality, local pattern, spread 0.30, edges gradient, linear exposure−response, event rate 2, RR 1.0, decay lag



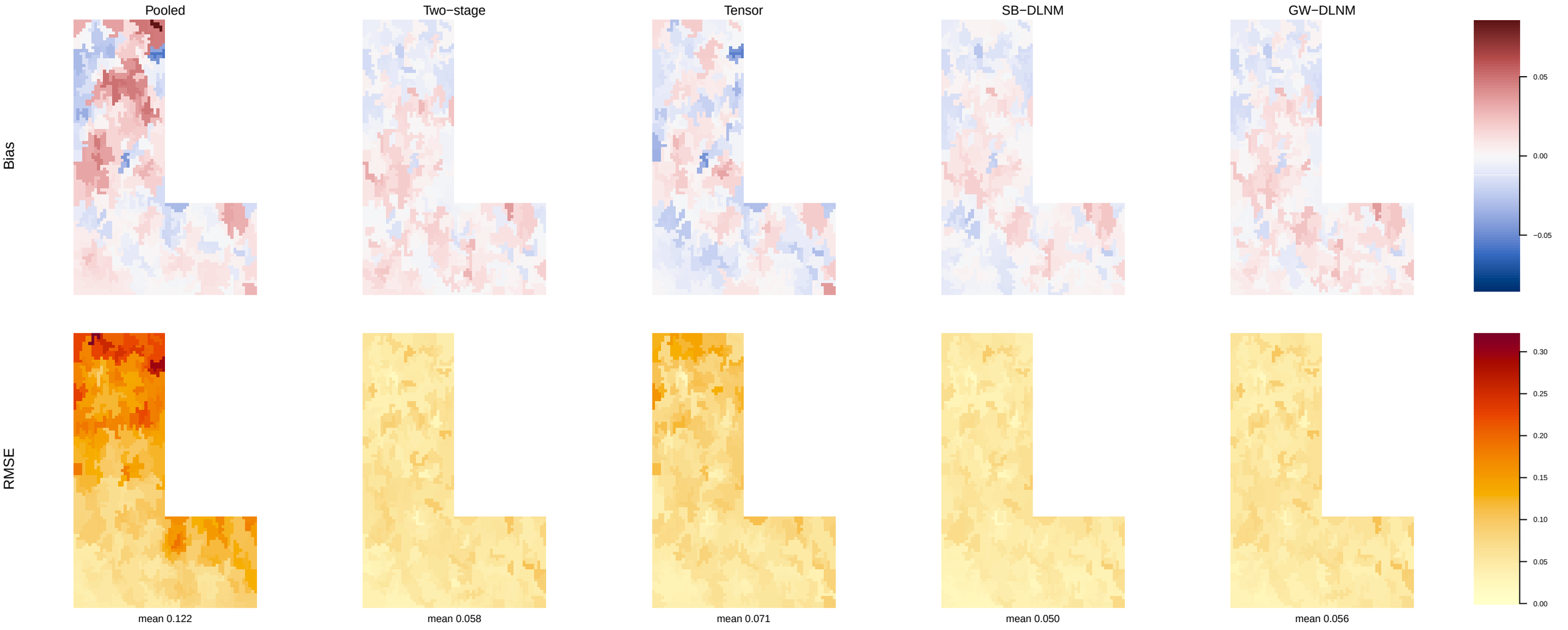
Scenario 683: L−shaped region, 240 counties, moderate inequality, regional pattern, spread 0.30, NS gradient, linear exposure−response, event rate 0.5, RR 1.4, delayed lag



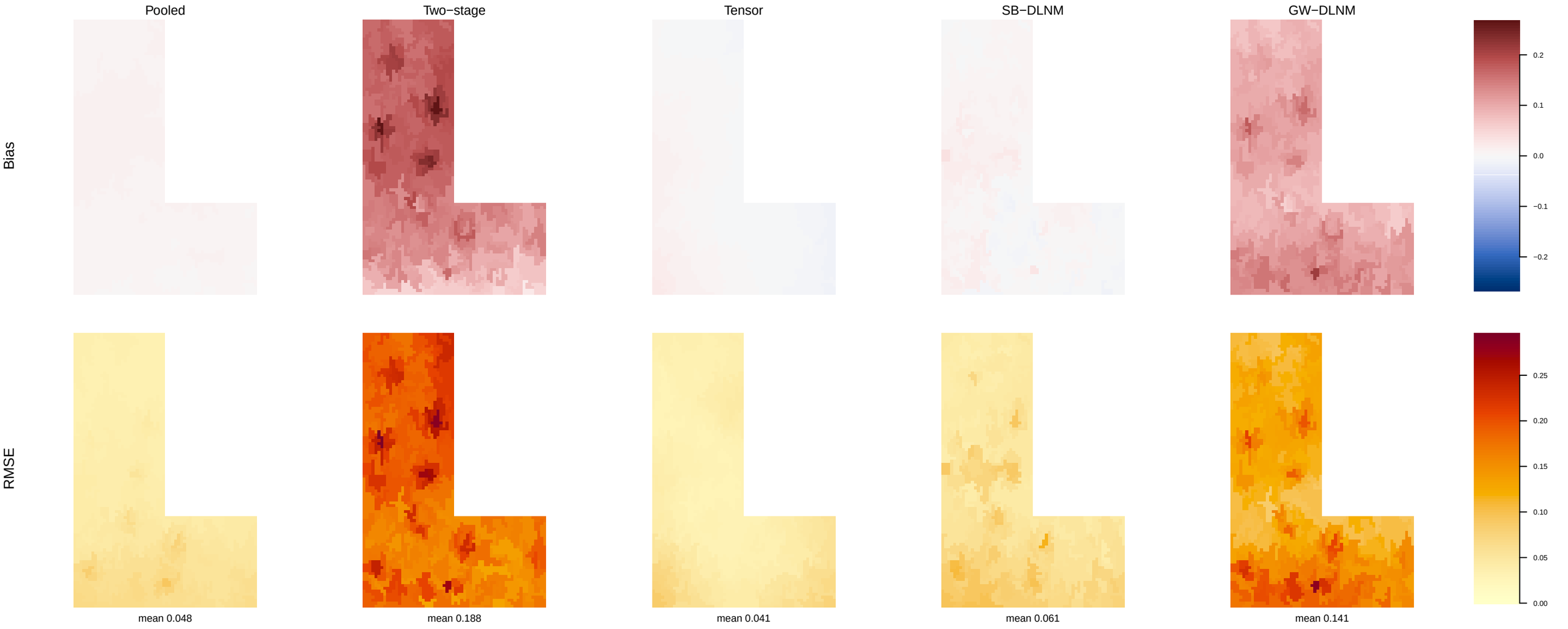
Scenario 747: L−shaped region, 240 counties, moderate inequality, boundary pattern, spread 0.30, ridge gradient, linear exposure−response, event rate 0.125, RR 1.2, harvest lag



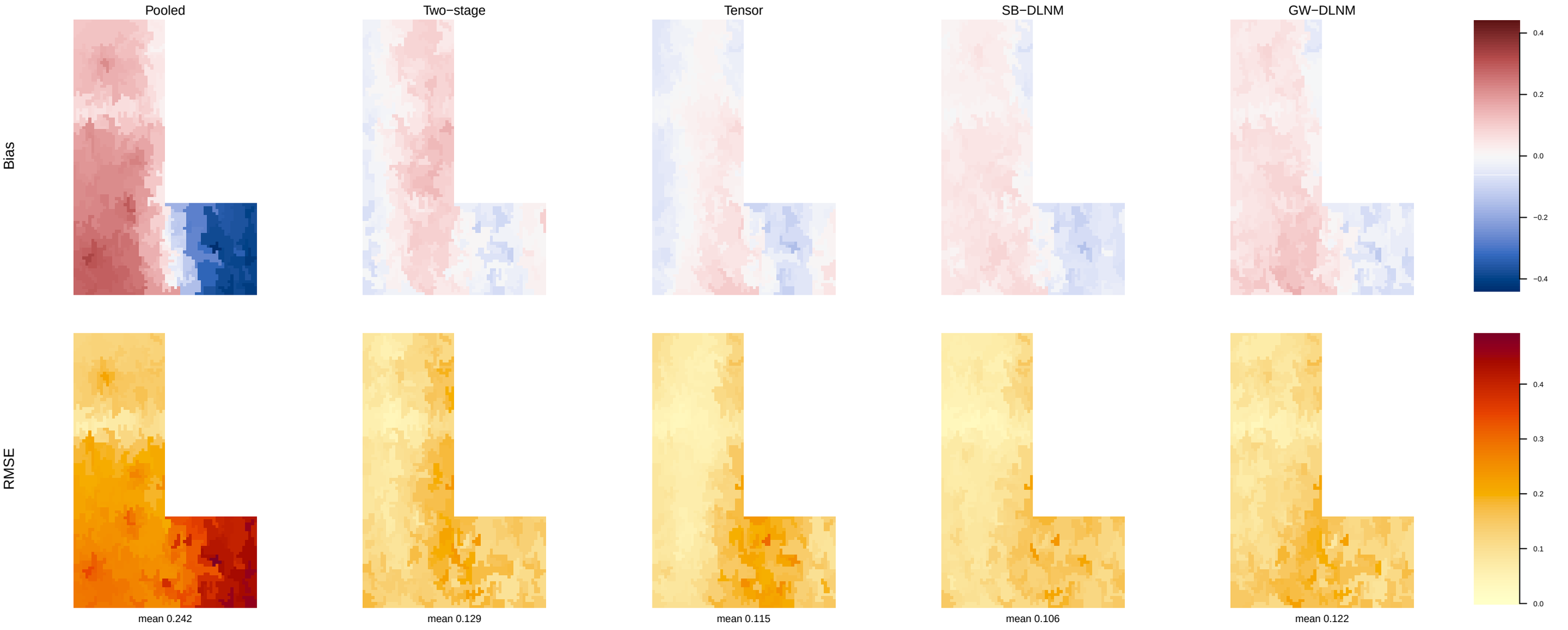
Scenario 555: L−shaped region, 240 counties, moderate inequality, independent pattern, spread 0.30, valley gradient, linear exposure−response, event rate 8, RR 1.6, short lag



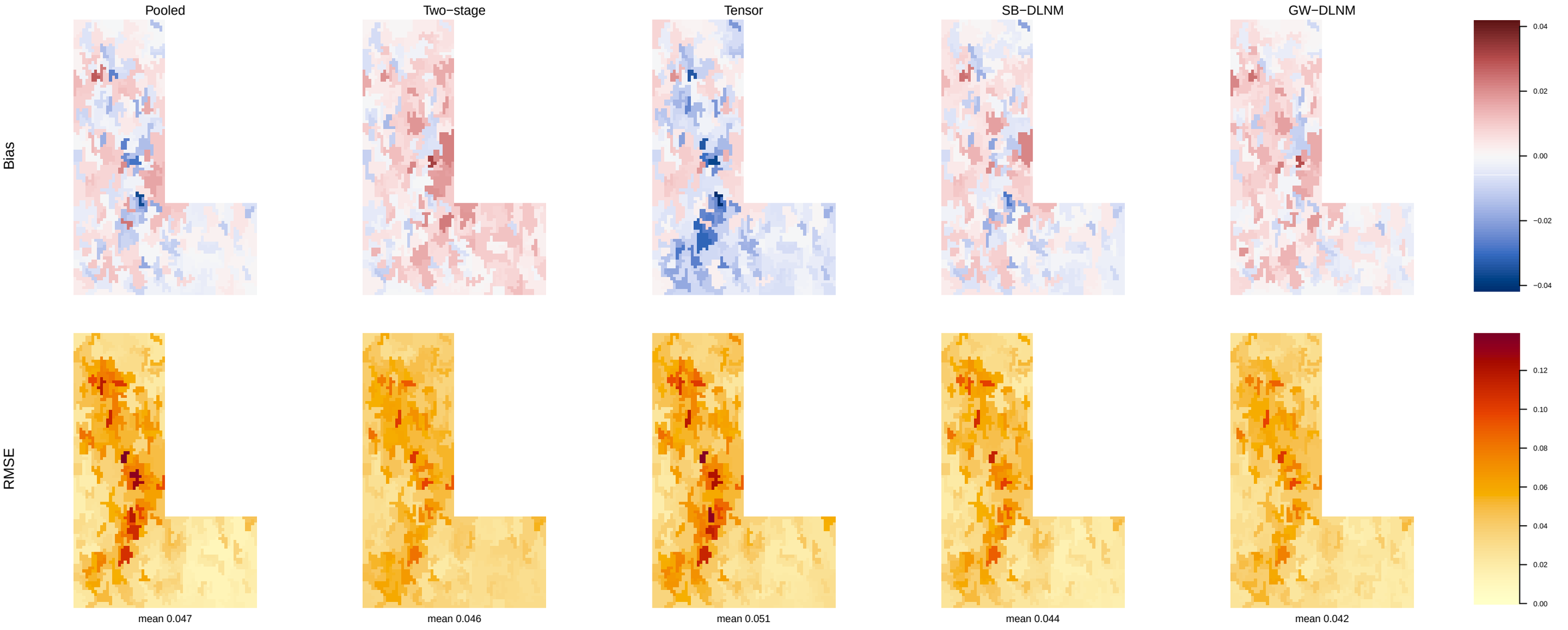
Scenario 875: L−shaped region, 240 counties, moderate inequality, local pattern, spread 0.50, edges gradient, J exposure−response, event rate 8, RR 1.4, delayed lag



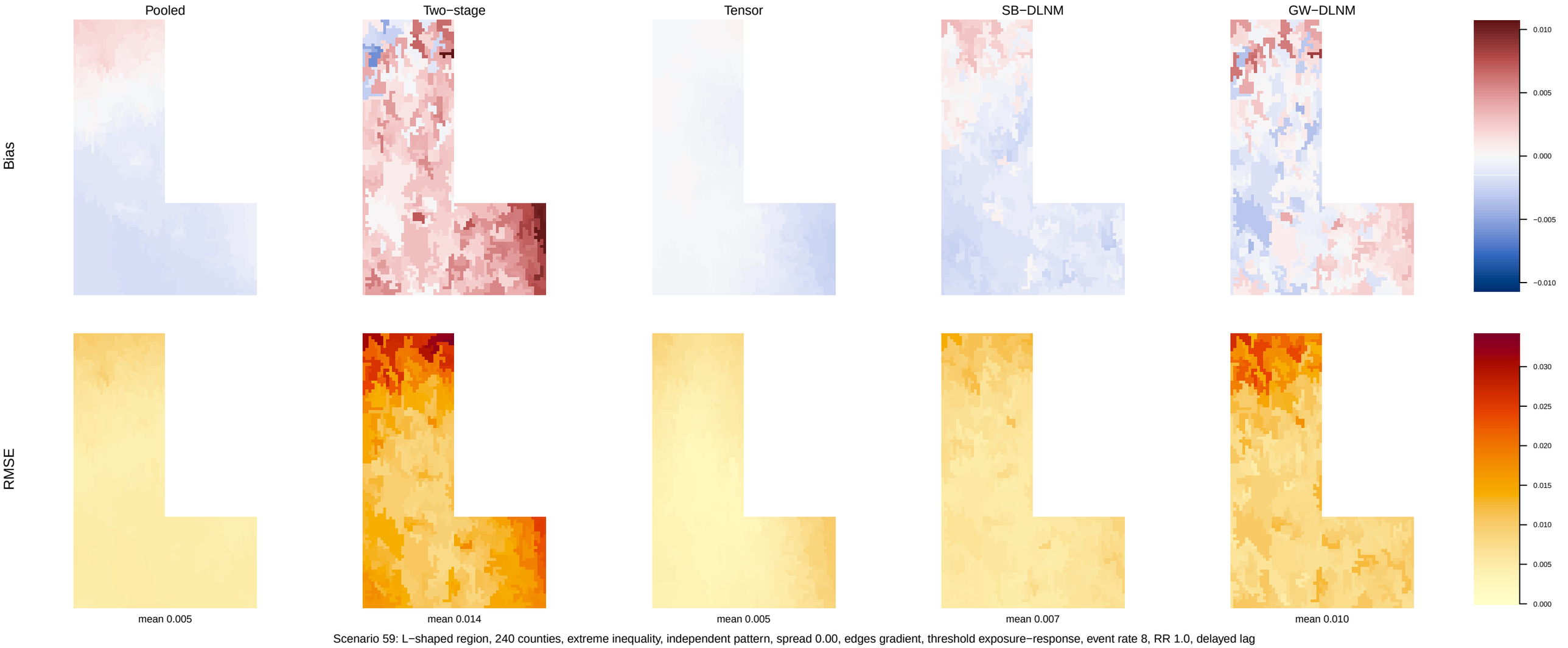
Scenario 939: L−shaped region, 240 counties, moderate inequality, regional pattern, spread 0.50, NS gradient, J exposure−response, event rate 0.125, RR 1.0, decay lag



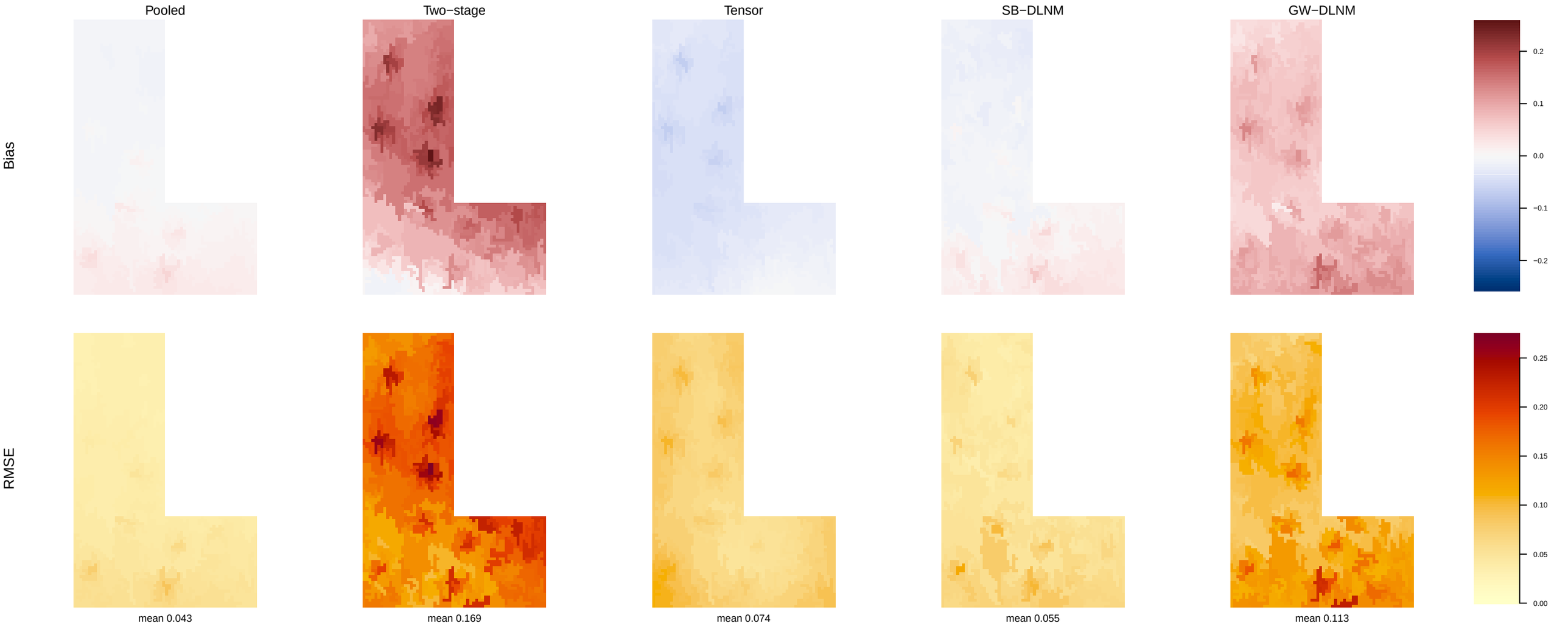
Scenario 1003: L−shaped region, 240 counties, moderate inequality, boundary pattern, spread 0.50, ridge gradient, J exposure−response, event rate 0.5, RR 1.6, short lag



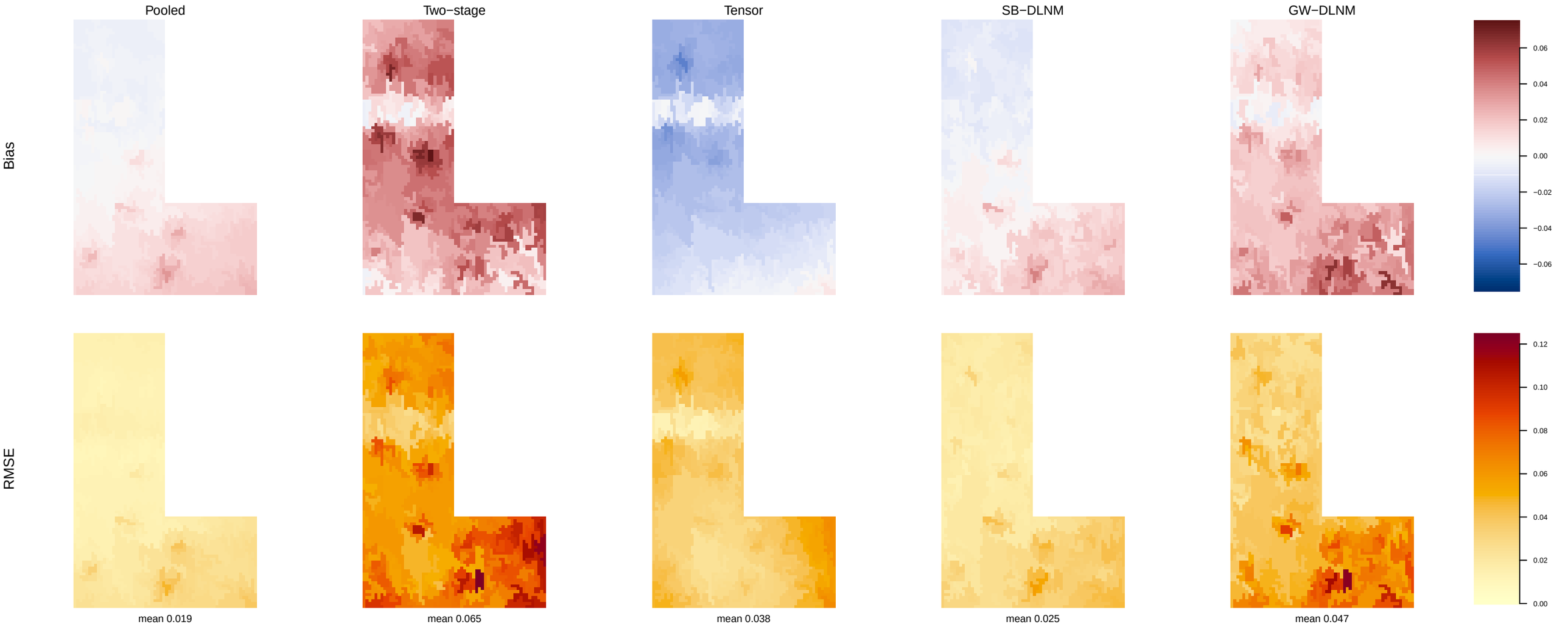
Scenario 811: L−shaped region, 240 counties, moderate inequality, independent pattern, spread 0.50, valley gradient, J exposure−response, event rate 2, RR 1.2, harvest lag



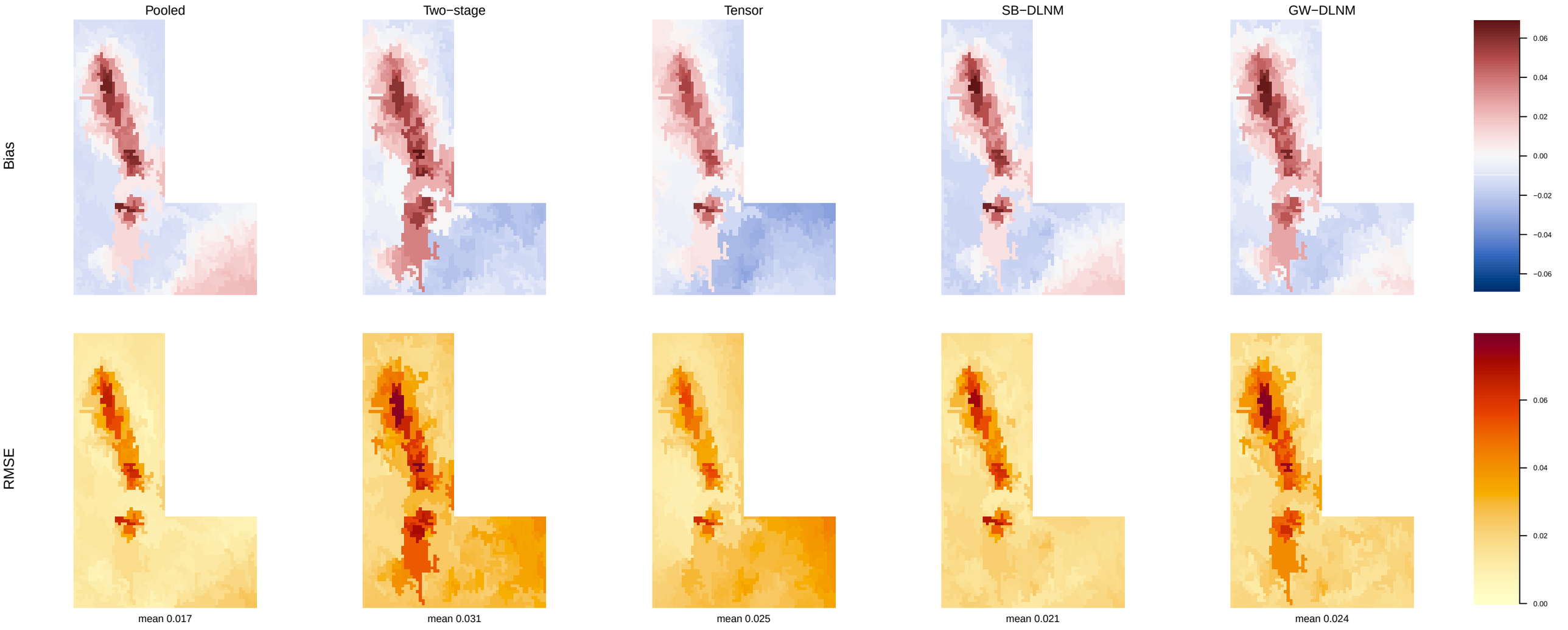
Scenario 59: L−shaped region, 240 counties, extreme inequality, independent pattern, spread 0.00, edges gradient, threshold exposure−response, event rate 8, RR 1.0, delayed lag



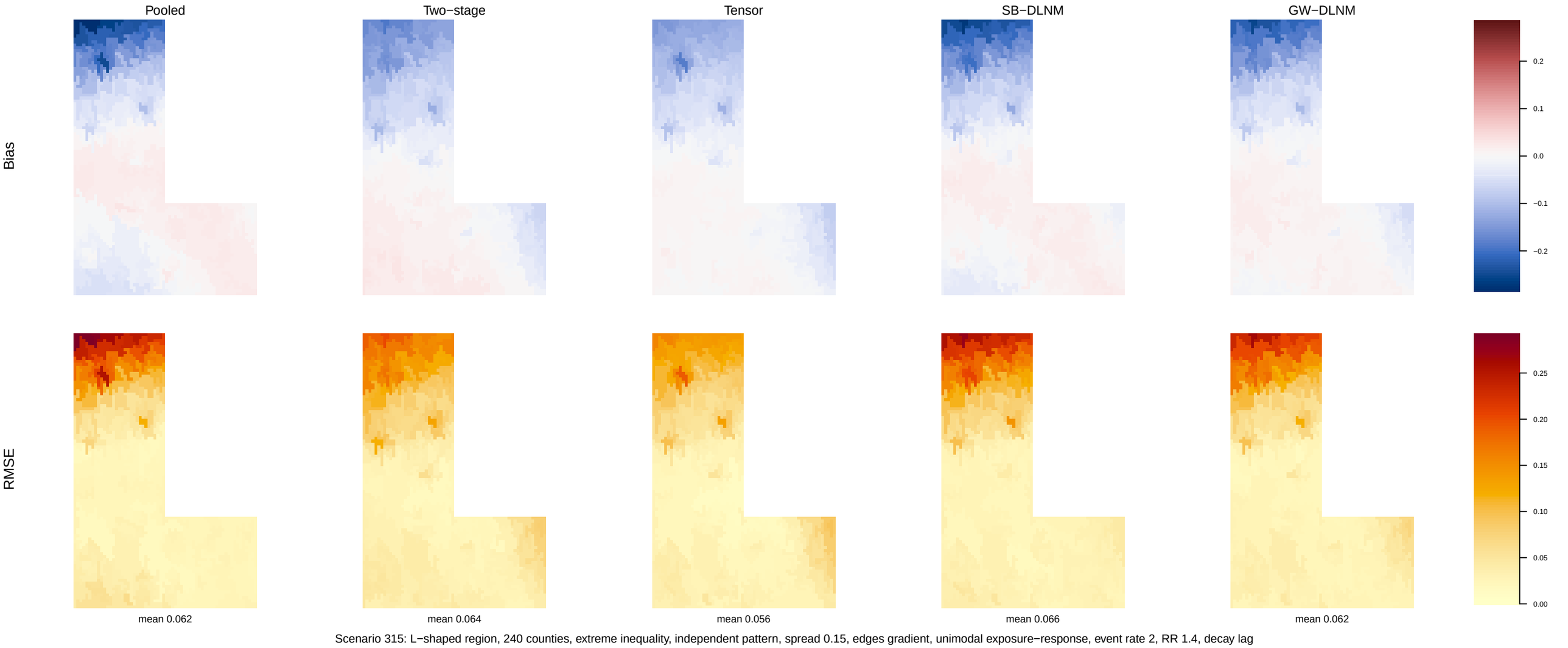
Scenario 251: L−shaped region, 240 counties, extreme inequality, boundary pattern, spread 0.00, NS gradient, threshold exposure−response, event rate 0.125, RR 1.4, decay lag



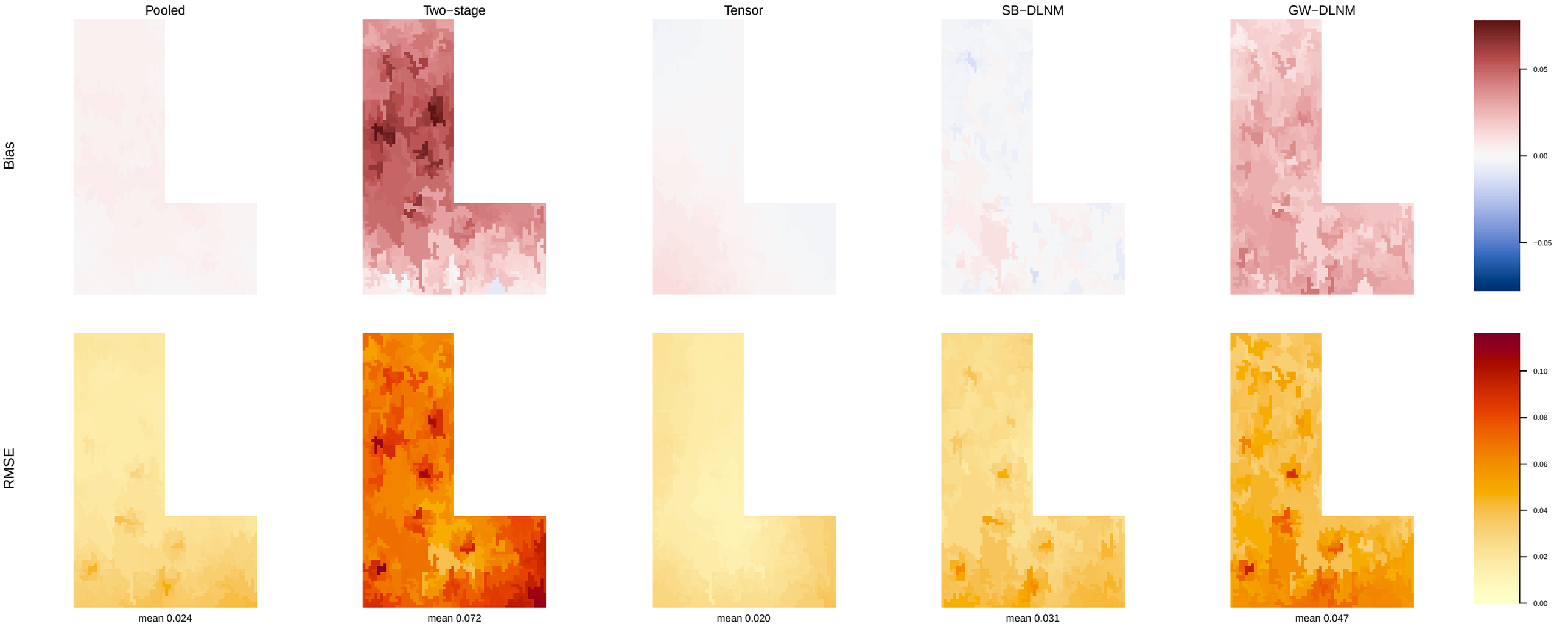
Scenario 187: L−shaped region, 240 counties, extreme inequality, regional pattern, spread 0.00, ridge gradient, threshold exposure−response, event rate 0.5, RR 1.2, short lag



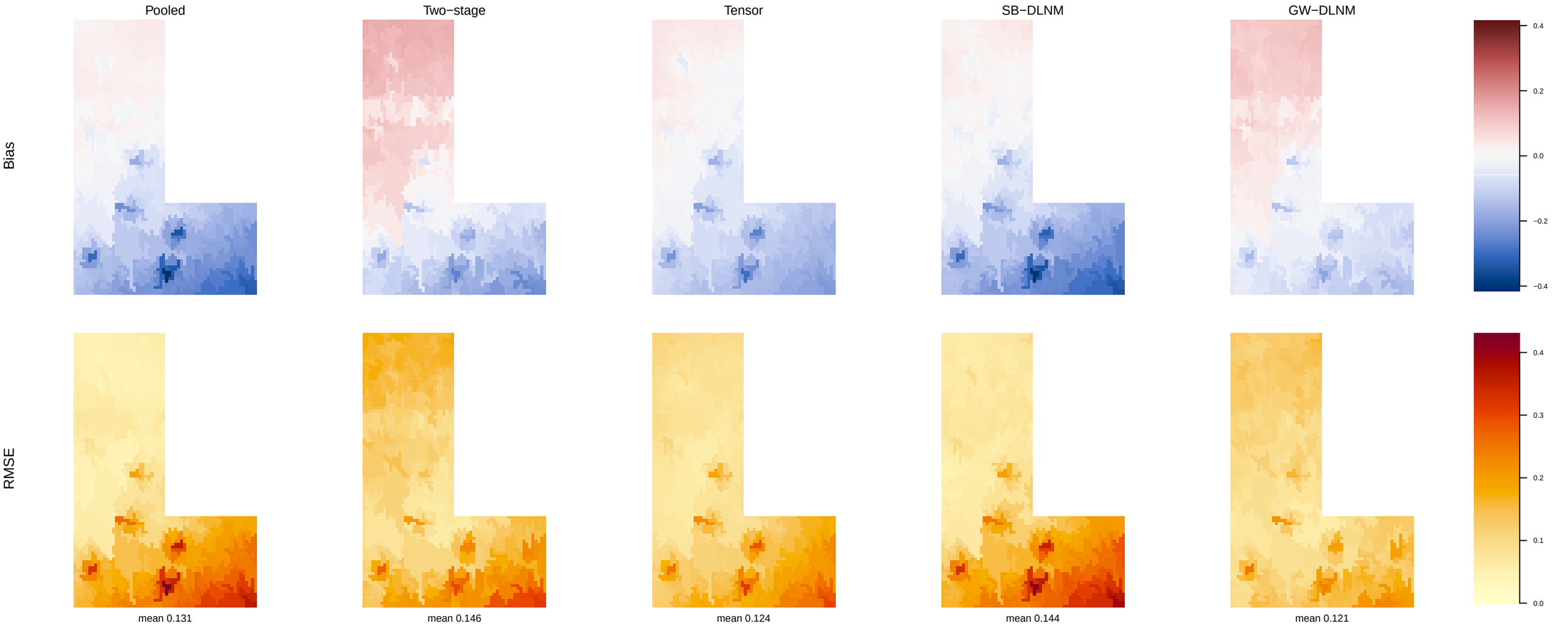
Scenario 123: L−shaped region, 240 counties, extreme inequality, local pattern, spread 0.00, valley gradient, threshold exposure−response, event rate 2, RR 1.6, harvest lag



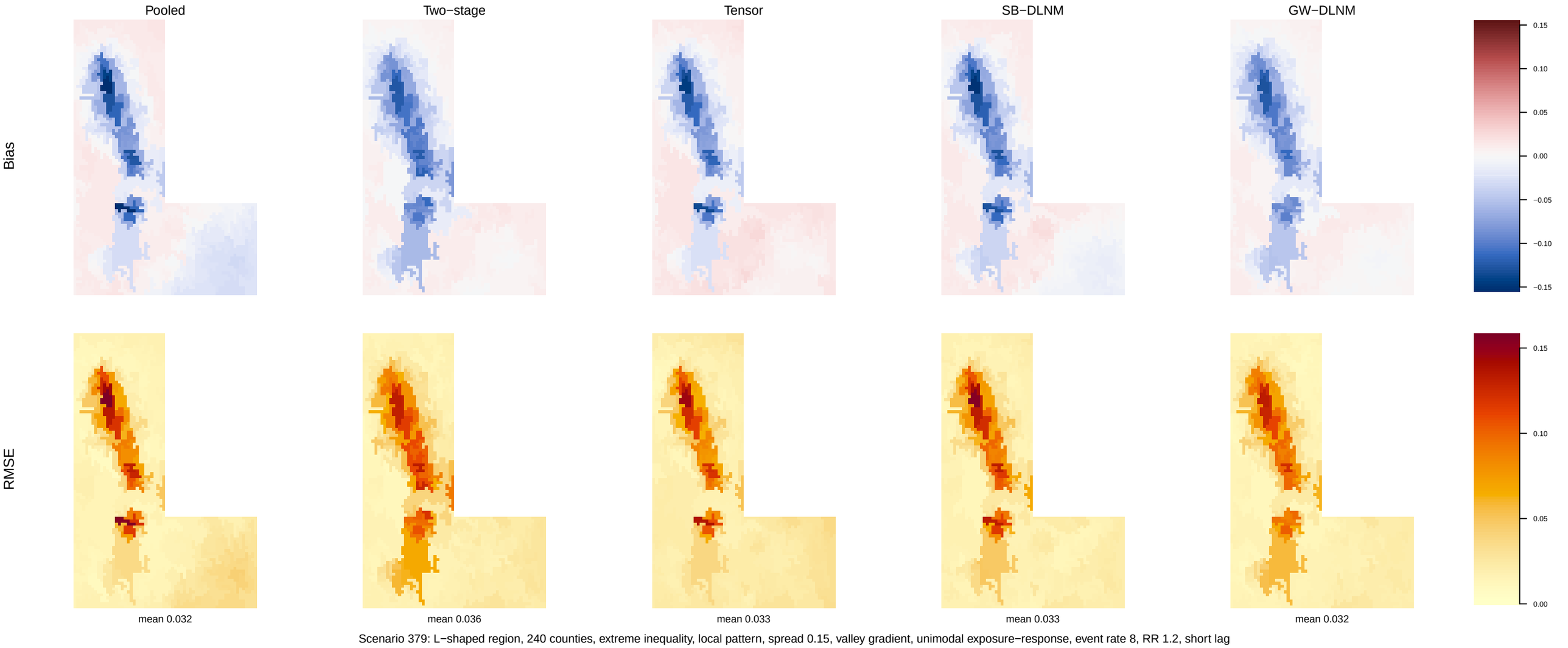
Scenario 315: L−shaped region, 240 counties, extreme inequality, independent pattern, spread 0.15, edges gradient, unimodal exposure−response, event rate 2, RR 1.4, decay lag



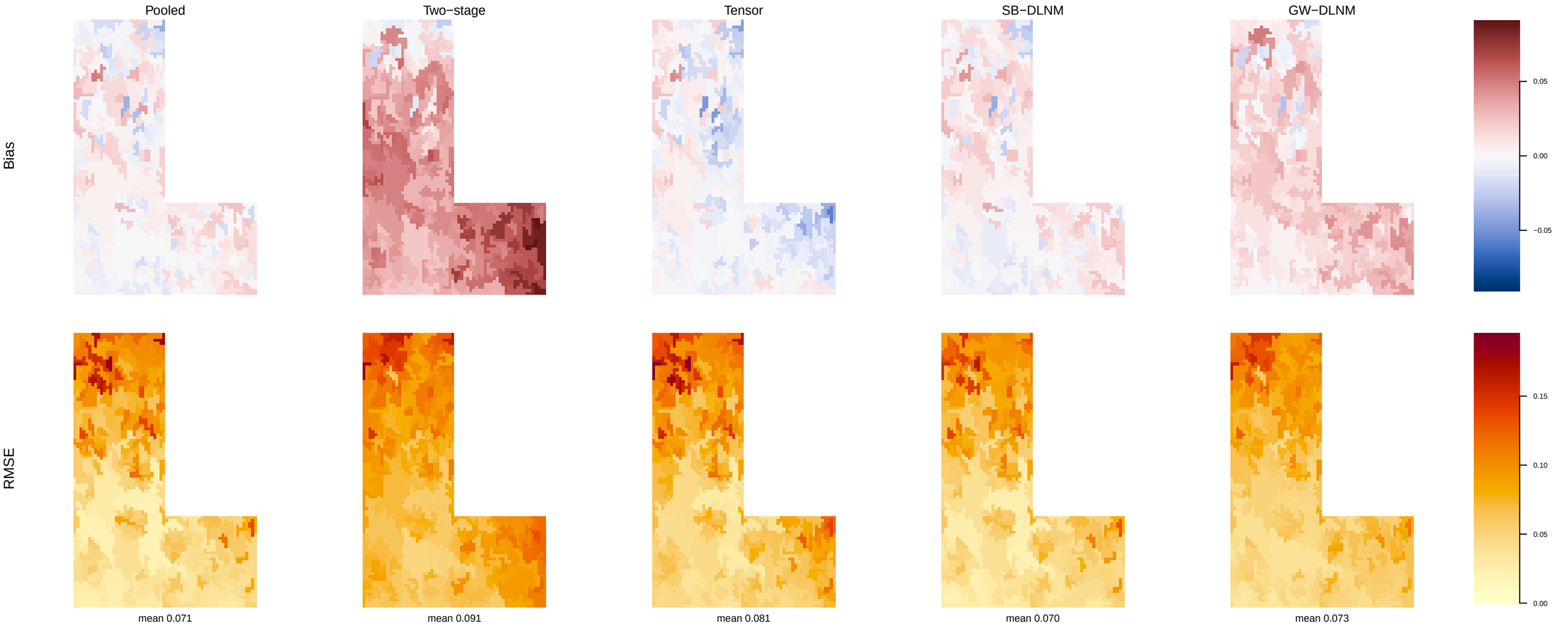
Scenario 507: L−shaped region, 240 counties, extreme inequality, boundary pattern, spread 0.15, NS gradient, unimodal exposure−response, event rate 0.5, RR 1.0, delayed lag



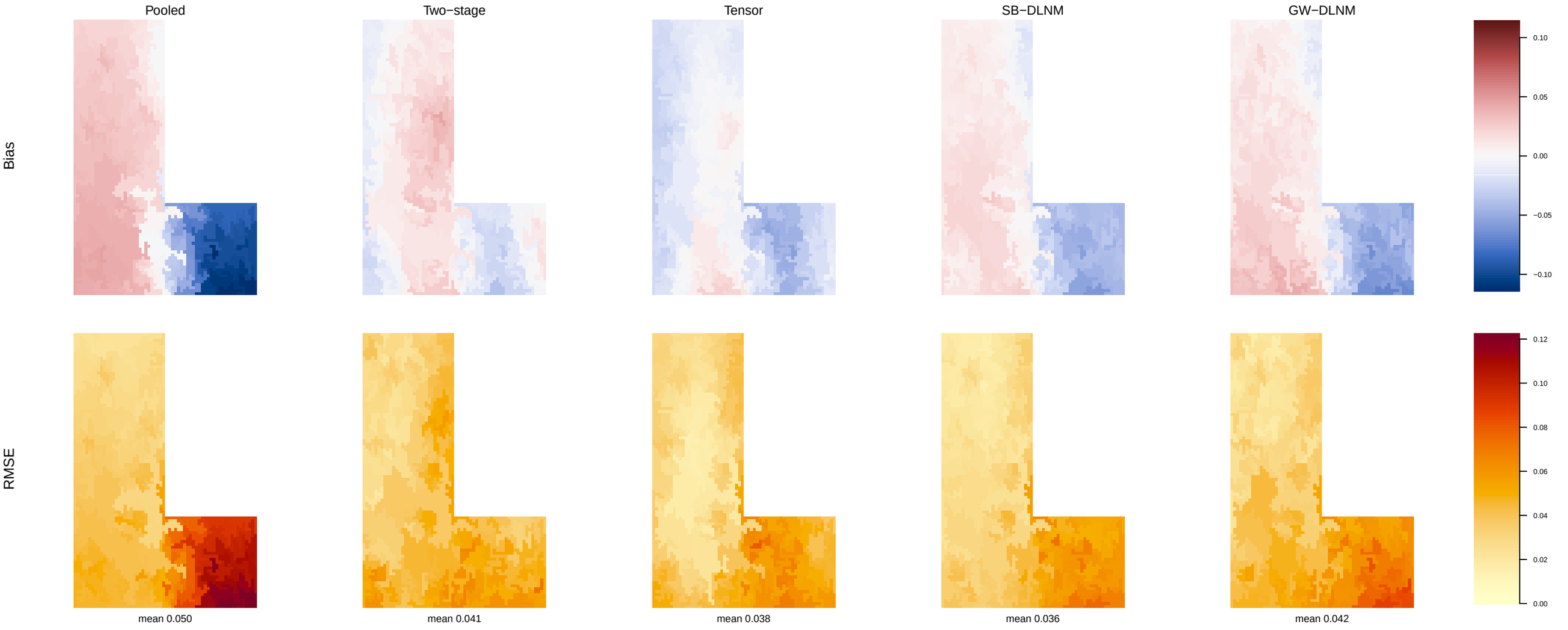
Scenario 443: L−shaped region, 240 counties, extreme inequality, regional pattern, spread 0.15, ridge gradient, unimodal exposure−response, event rate 0.125, RR 1.6, harvest lag



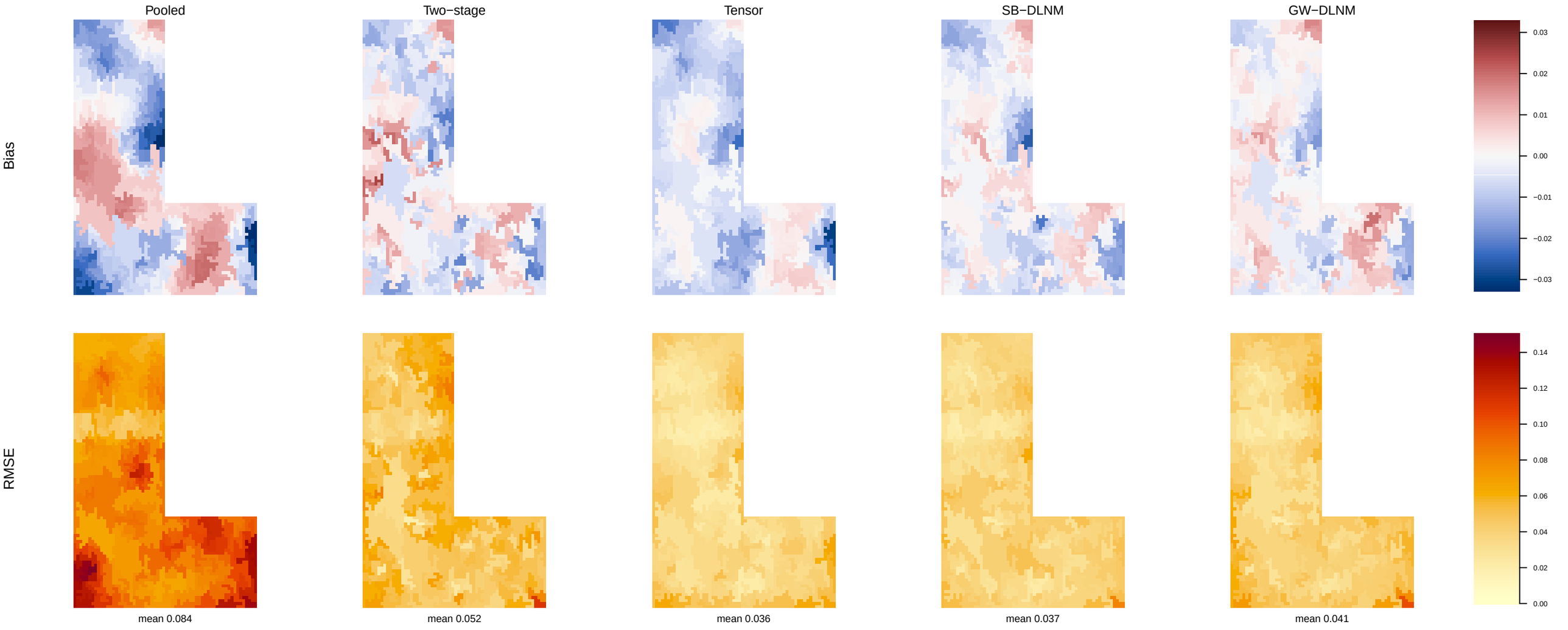
Scenario 379: L−shaped region, 240 counties, extreme inequality, local pattern, spread 0.15, valley gradient, unimodal exposure−response, event rate 8, RR 1.2, short lag



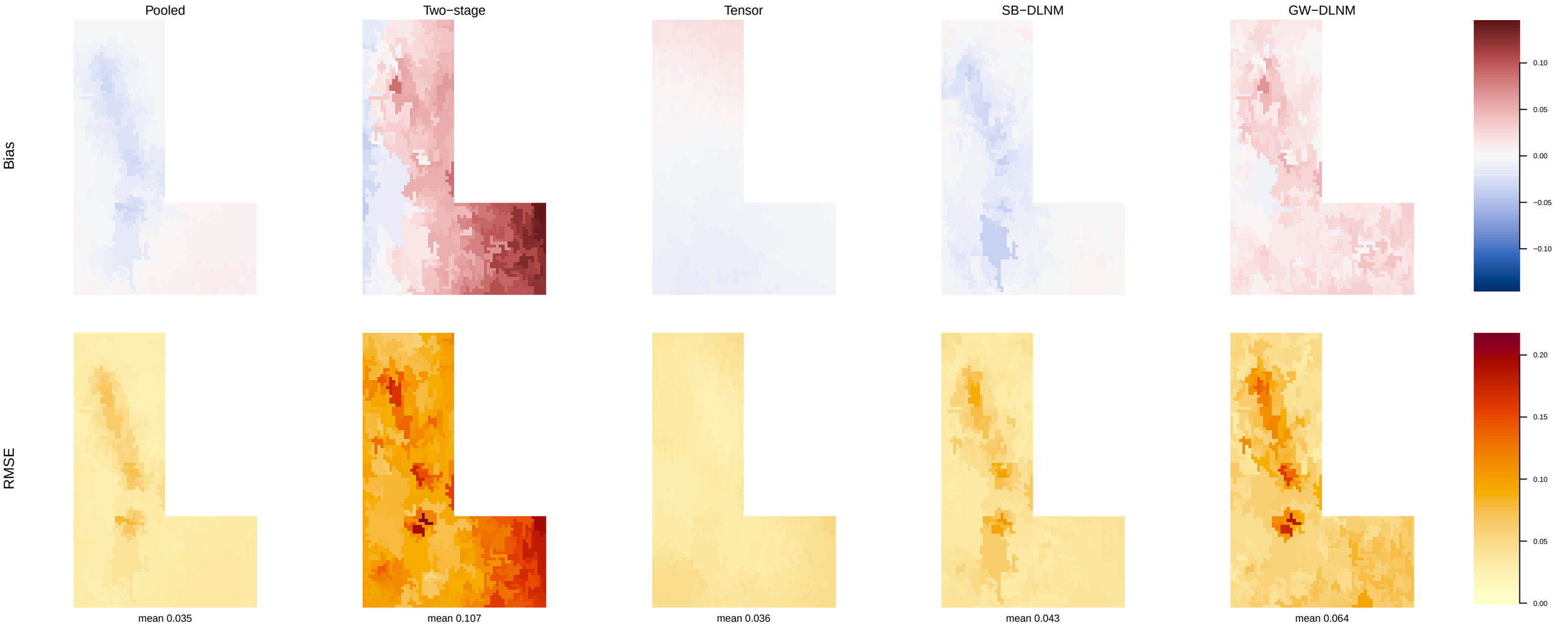
Scenario 571: L−shaped region, 240 counties, extreme inequality, independent pattern, spread 0.30, edges gradient, J exposure−response, event rate 0.5, RR 1.6, harvest lag



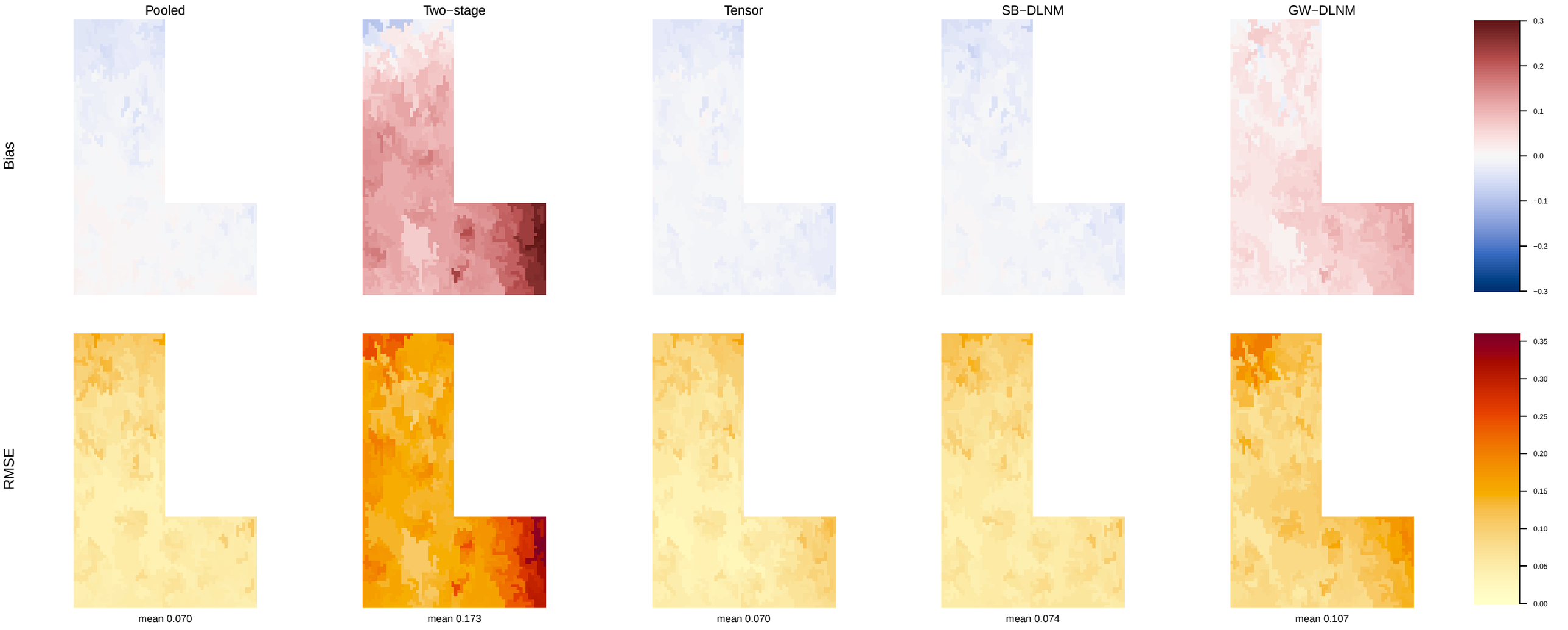
Scenario 763: L−shaped region, 240 counties, extreme inequality, boundary pattern, spread 0.30, NS gradient, J exposure−response, event rate 2, RR 1.2, short lag



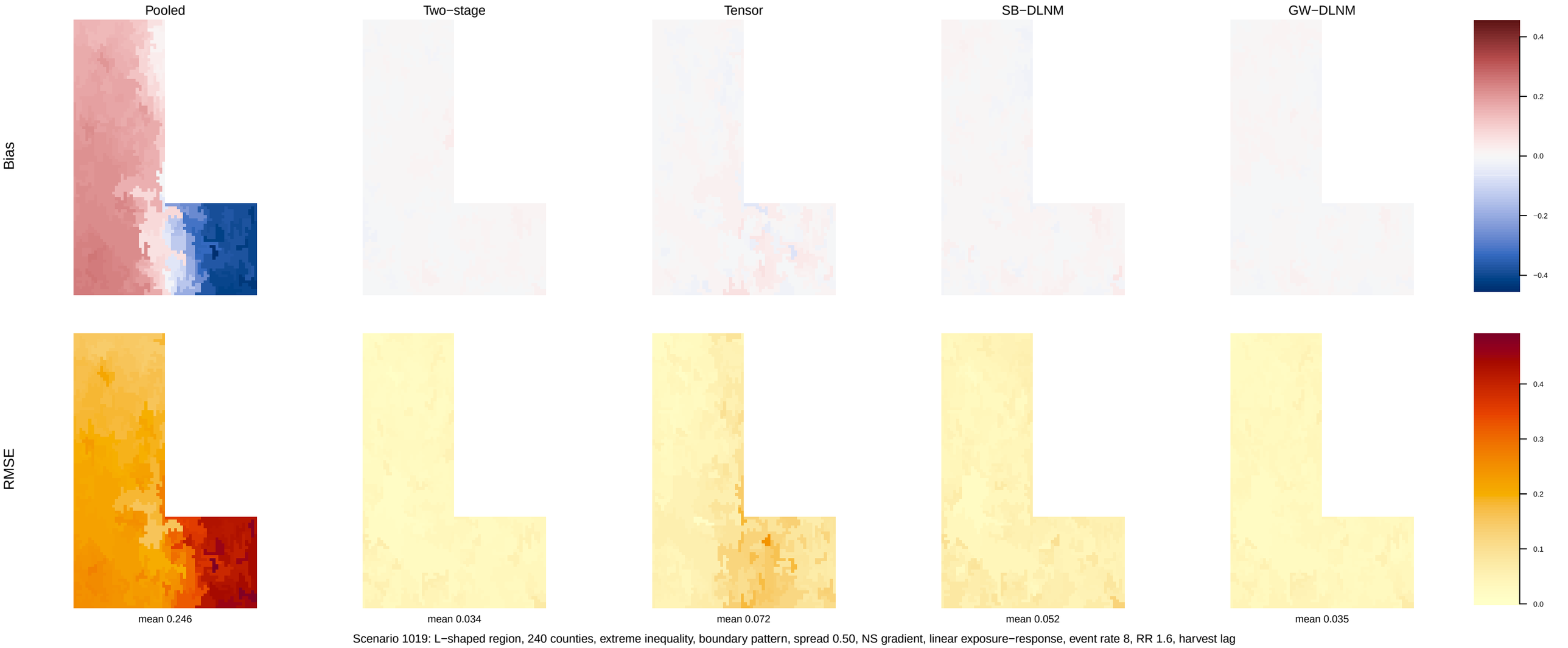
Scenario 699: L−shaped region, 240 counties, extreme inequality, regional pattern, spread 0.30, ridge gradient, J exposure−response, event rate 8, RR 1.4, decay lag



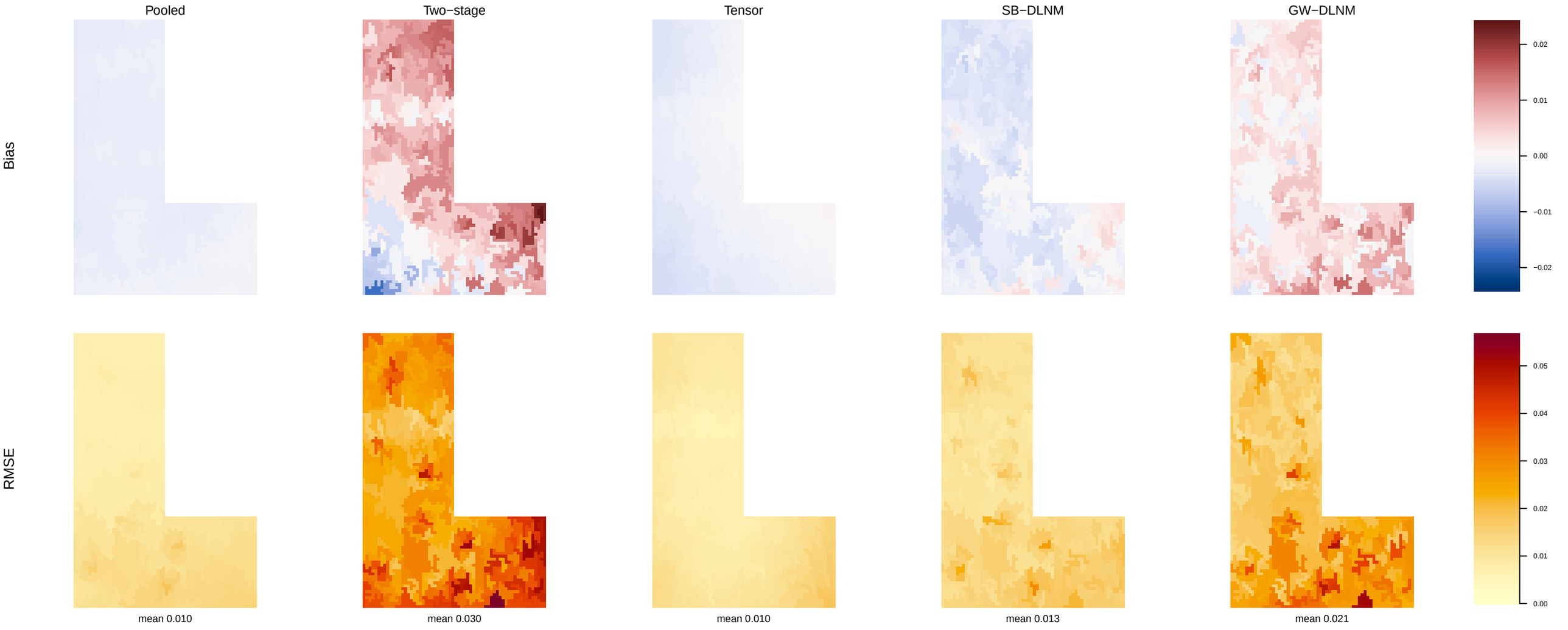
Scenario 635: L−shaped region, 240 counties, extreme inequality, local pattern, spread 0.30, valley gradient, J exposure−response, event rate 0.125, RR 1.0, delayed lag



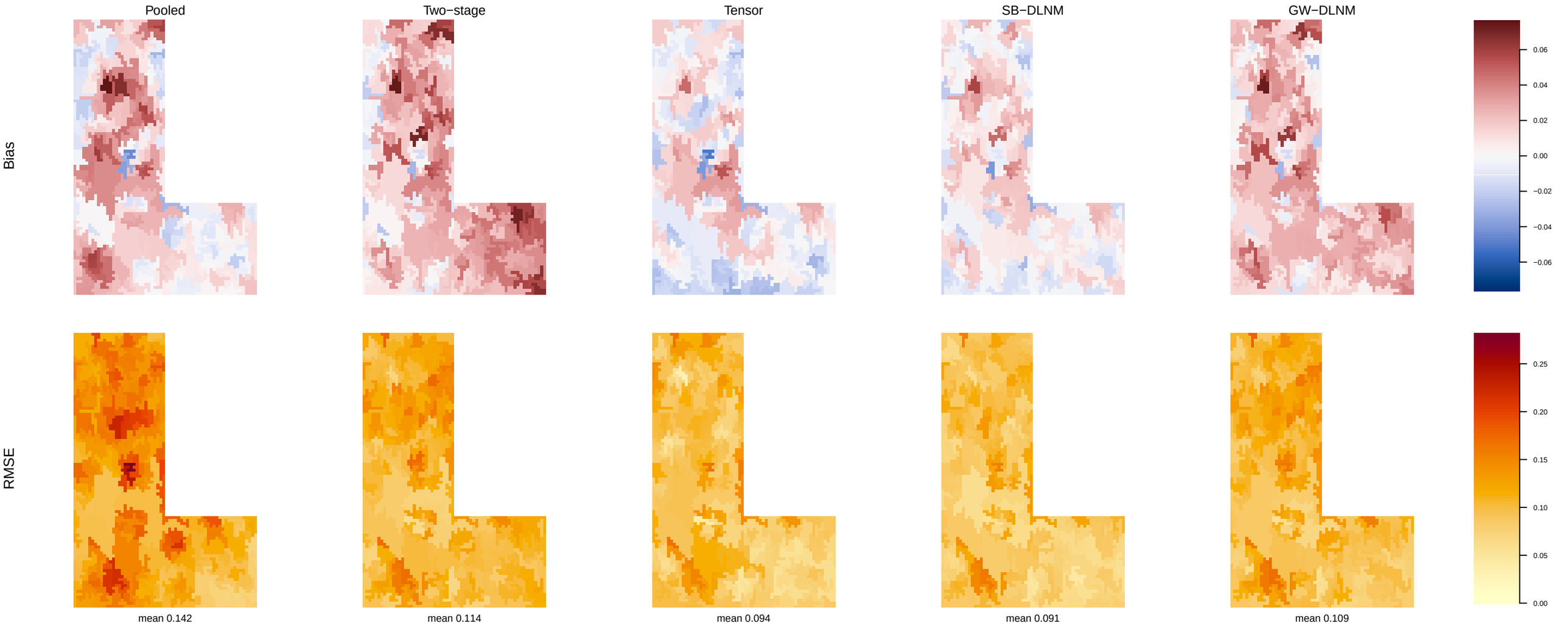
Scenario 827: L−shaped region, 240 counties, extreme inequality, independent pattern, spread 0.50, edges gradient, linear exposure−response, event rate 0.125, RR 1.2, short lag



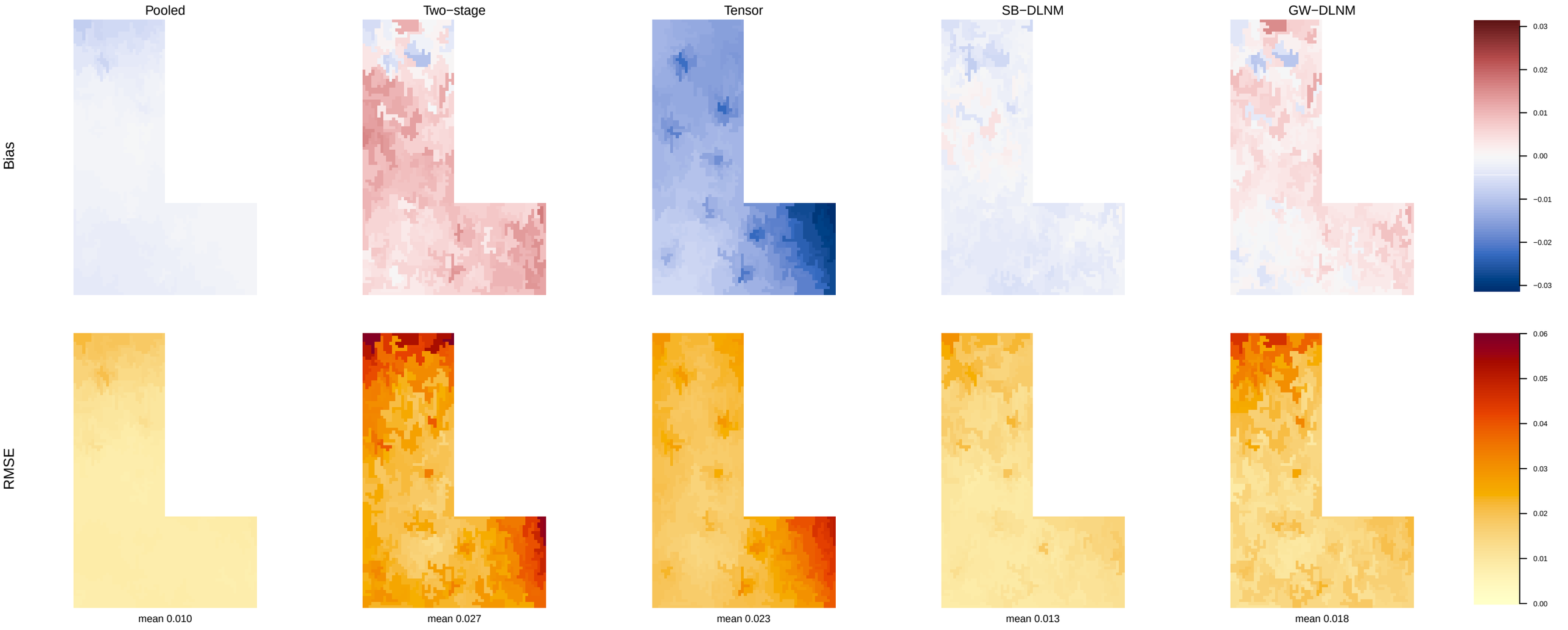
Scenario 1019: L−shaped region, 240 counties, extreme inequality, boundary pattern, spread 0.50, NS gradient, linear exposure−response, event rate 8, RR 1.6, harvest lag



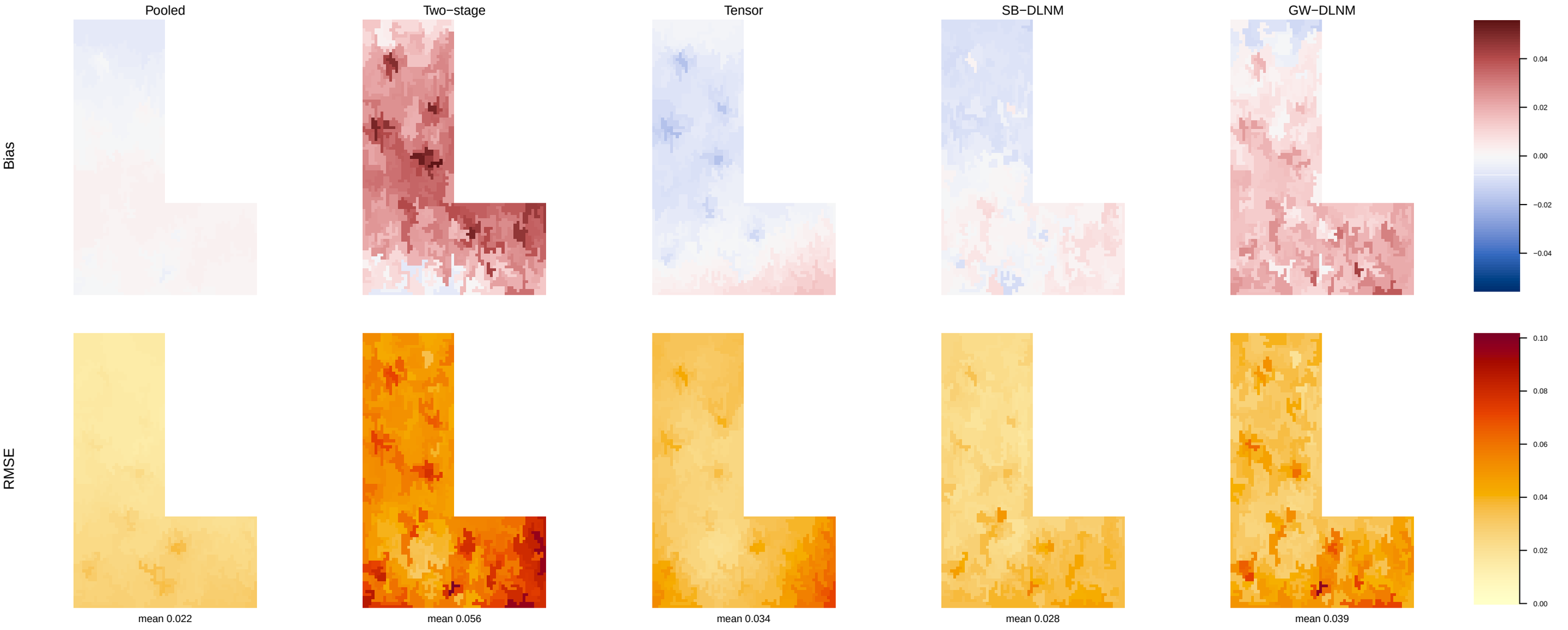
Scenario 955: L−shaped region, 240 counties, extreme inequality, regional pattern, spread 0.50, ridge gradient, linear exposure−response, event rate 2, RR 1.0, delayed lag



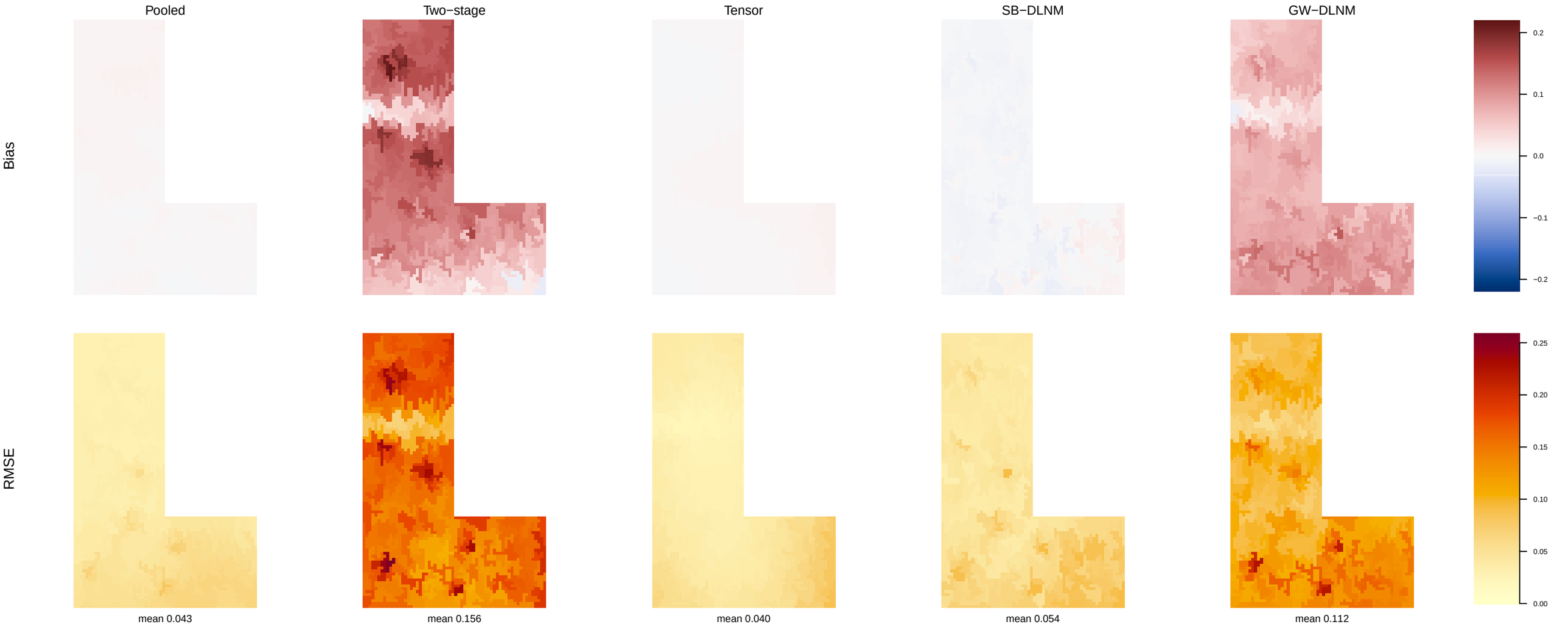
Scenario 891: L−shaped region, 240 counties, extreme inequality, local pattern, spread 0.50, valley gradient, linear exposure−response, event rate 0.5, RR 1.4, decay lag



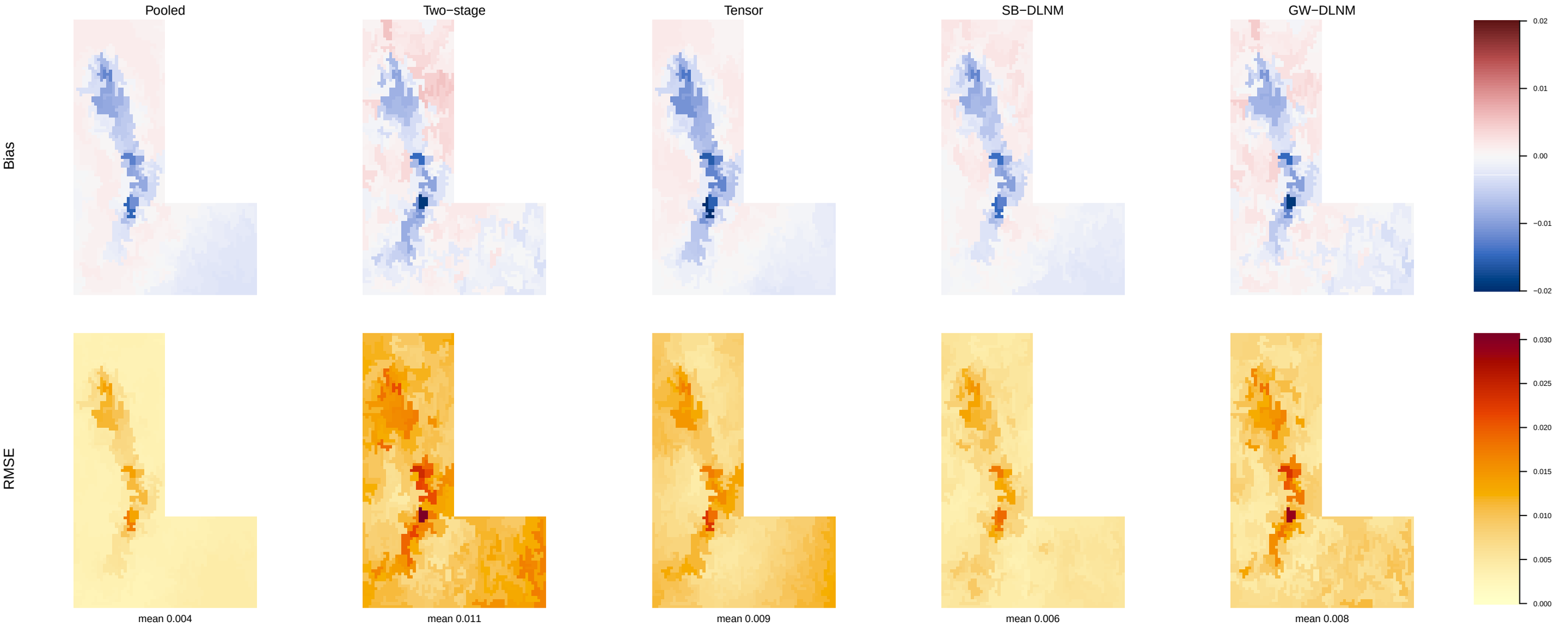
Scenario 155: L−shaped region, 240 counties, mild inequality, regional pattern, spread 0.00, edges gradient, J exposure−response, event rate 2, RR 1.2, decay lag



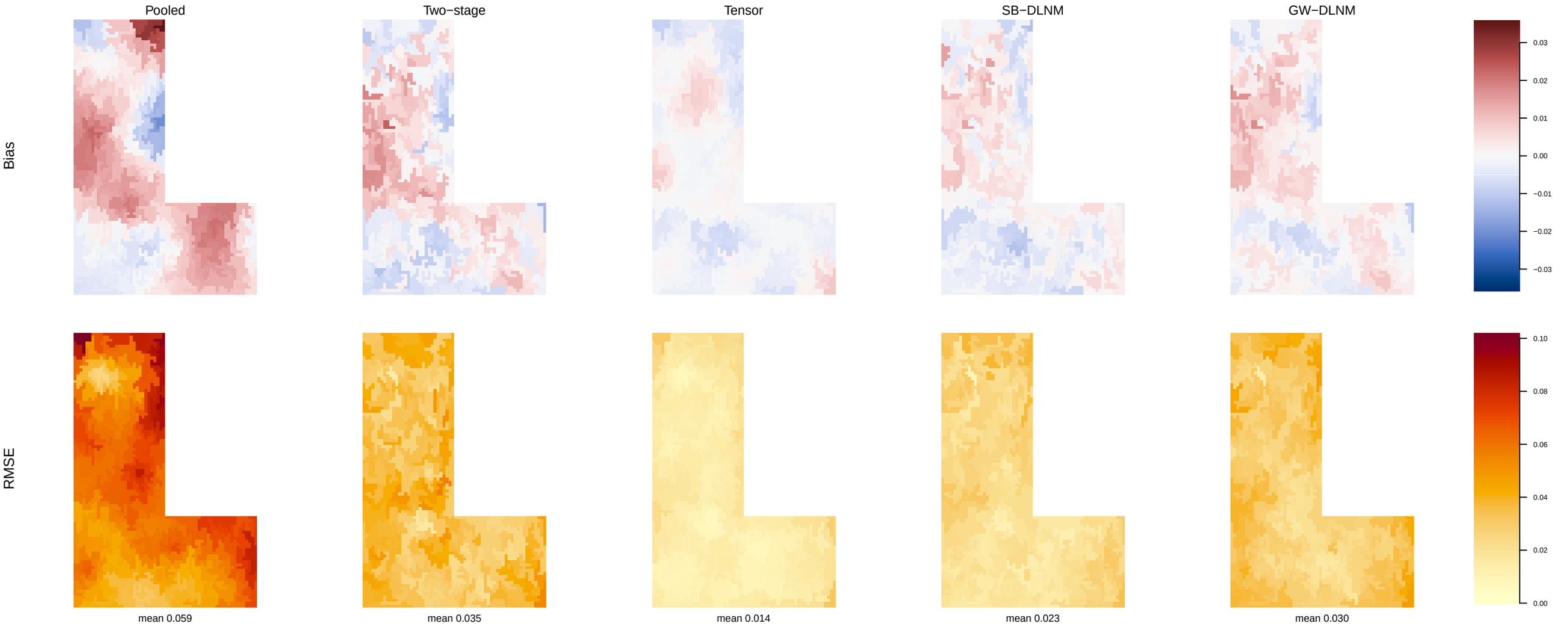
Scenario 91: L−shaped region, 240 counties, mild inequality, local pattern, spread 0.00, NS gradient, J exposure−response, event rate 0.5, RR 1.6, delayed lag



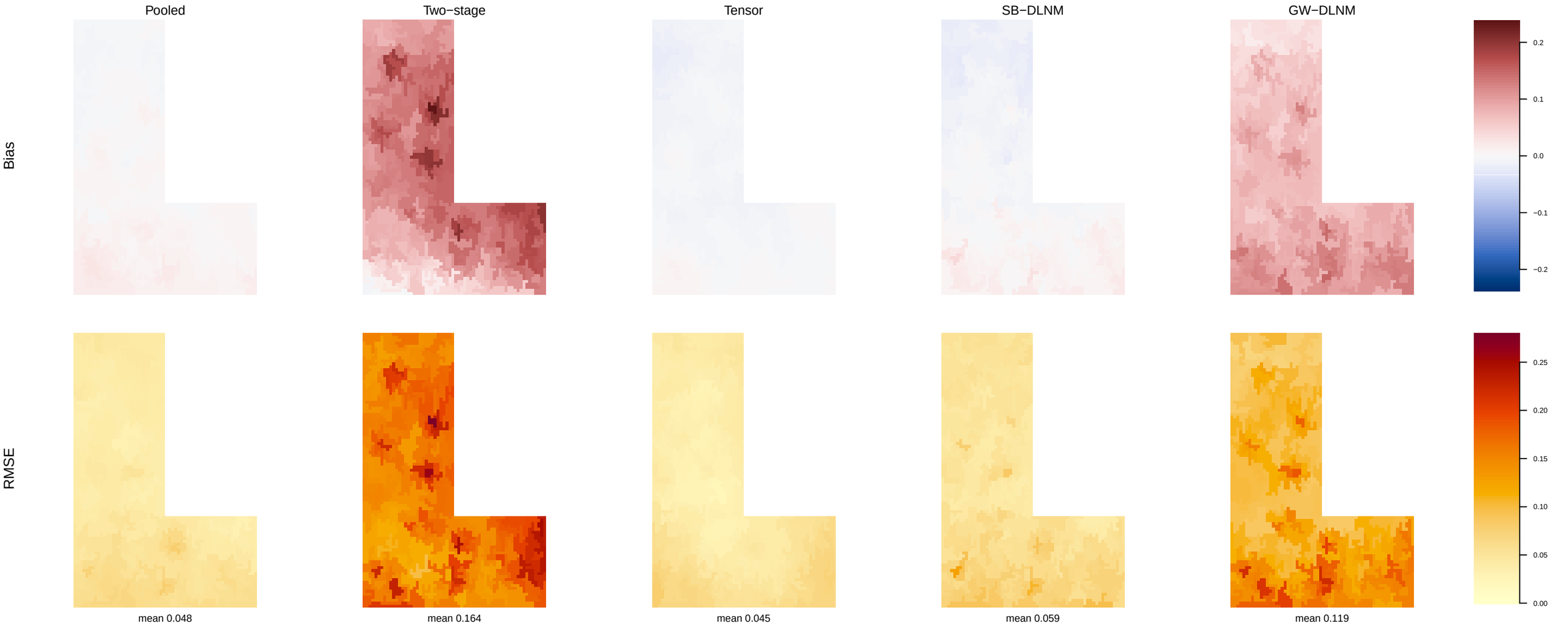
Scenario 27: L−shaped region, 240 counties, mild inequality, independent pattern, spread 0.00, ridge gradient, J exposure−response, event rate 0.125, RR 1.0, harvest lag



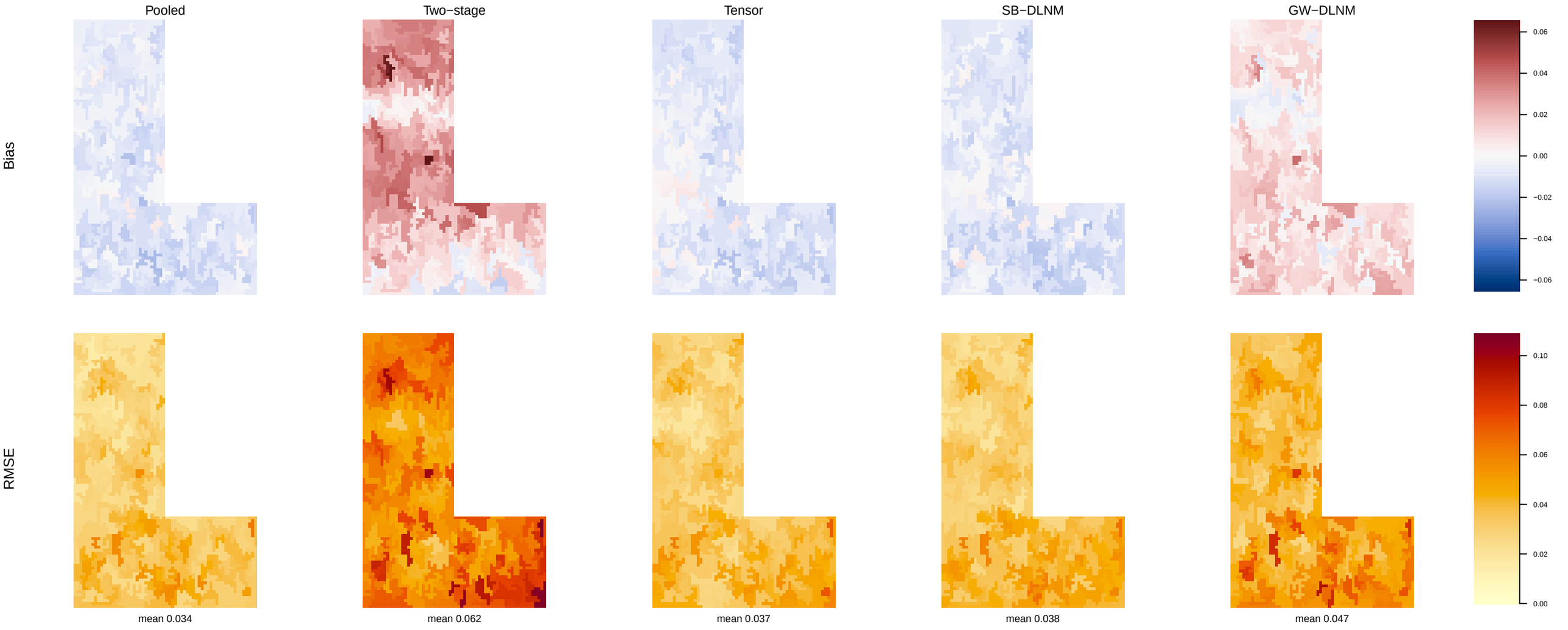
Scenario 219: L−shaped region, 240 counties, mild inequality, boundary pattern, spread 0.00, valley gradient, J exposure−response, event rate 8, RR 1.4, short lag



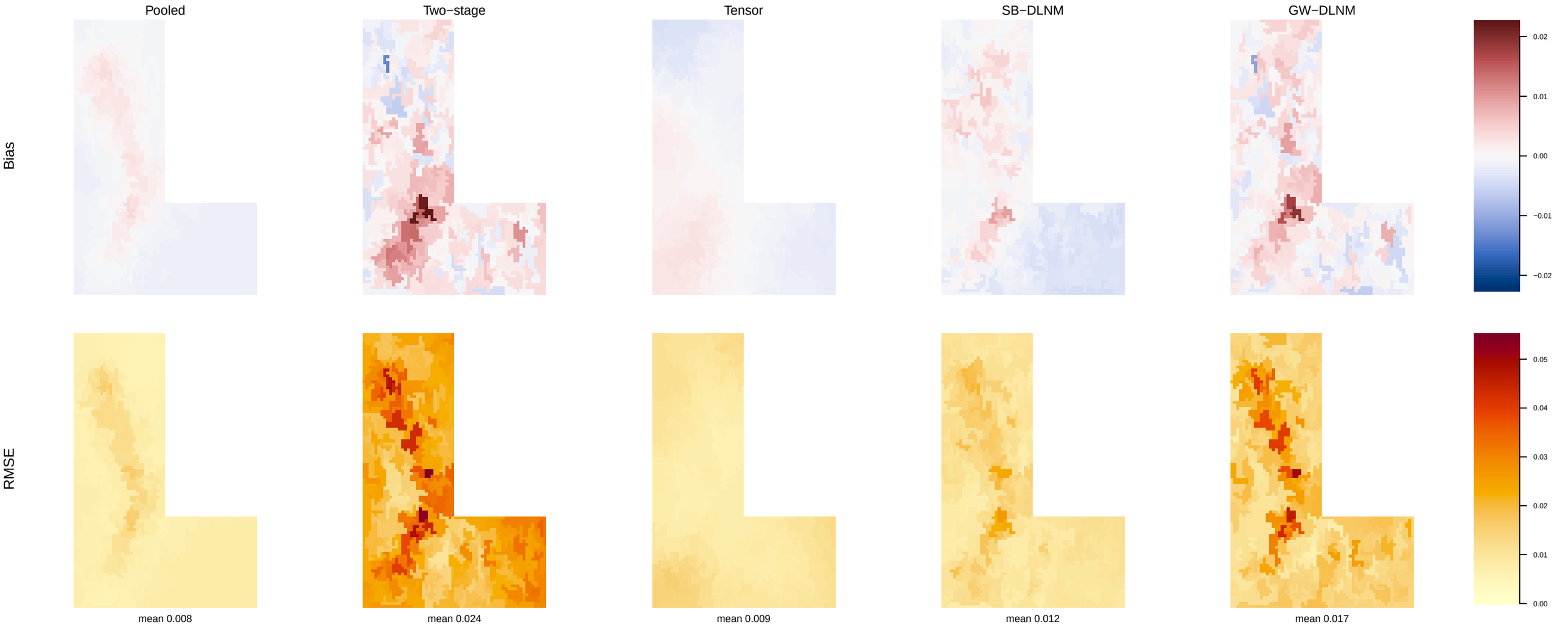
Scenario 411: L−shaped region, 240 counties, mild inequality, regional pattern, spread 0.15, edges gradient, linear exposure−response, event rate 8, RR 1.6, delayed lag



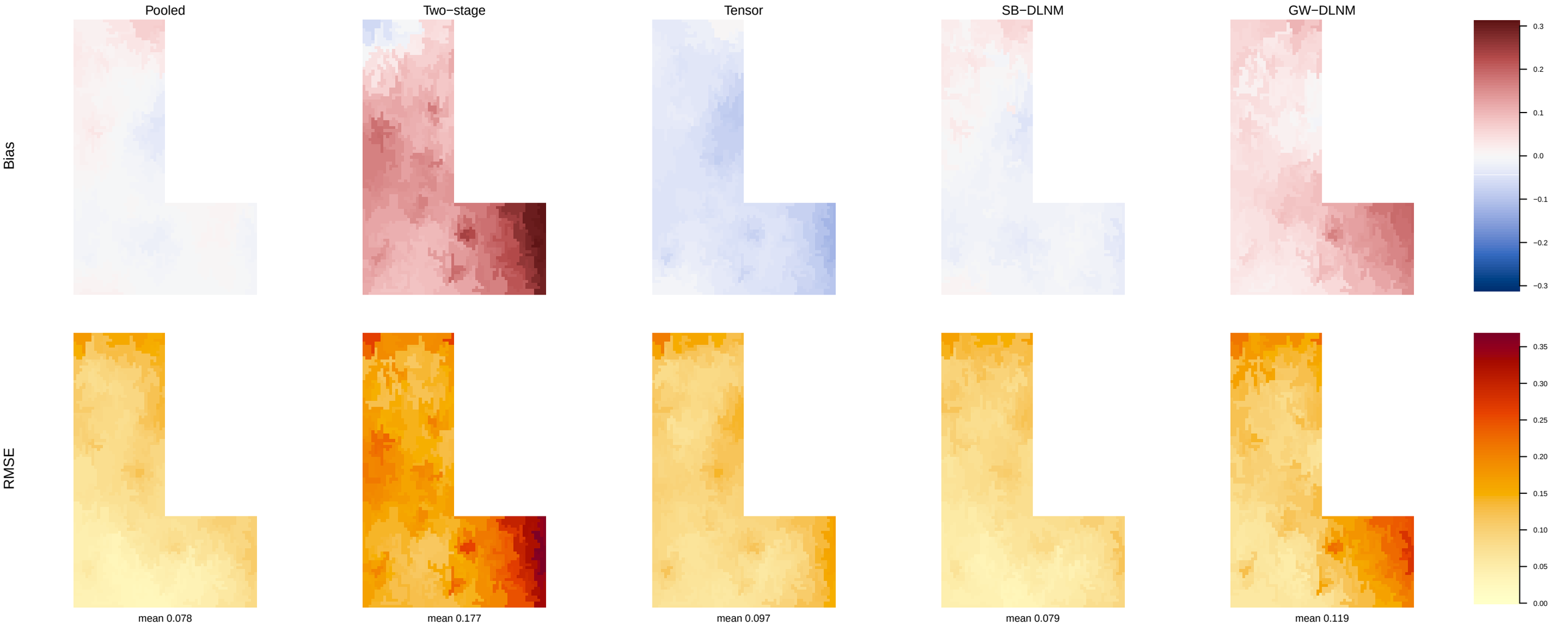
Scenario 347: L−shaped region, 240 counties, mild inequality, local pattern, spread 0.15, NS gradient, linear exposure−response, event rate 0.125, RR 1.2, decay lag



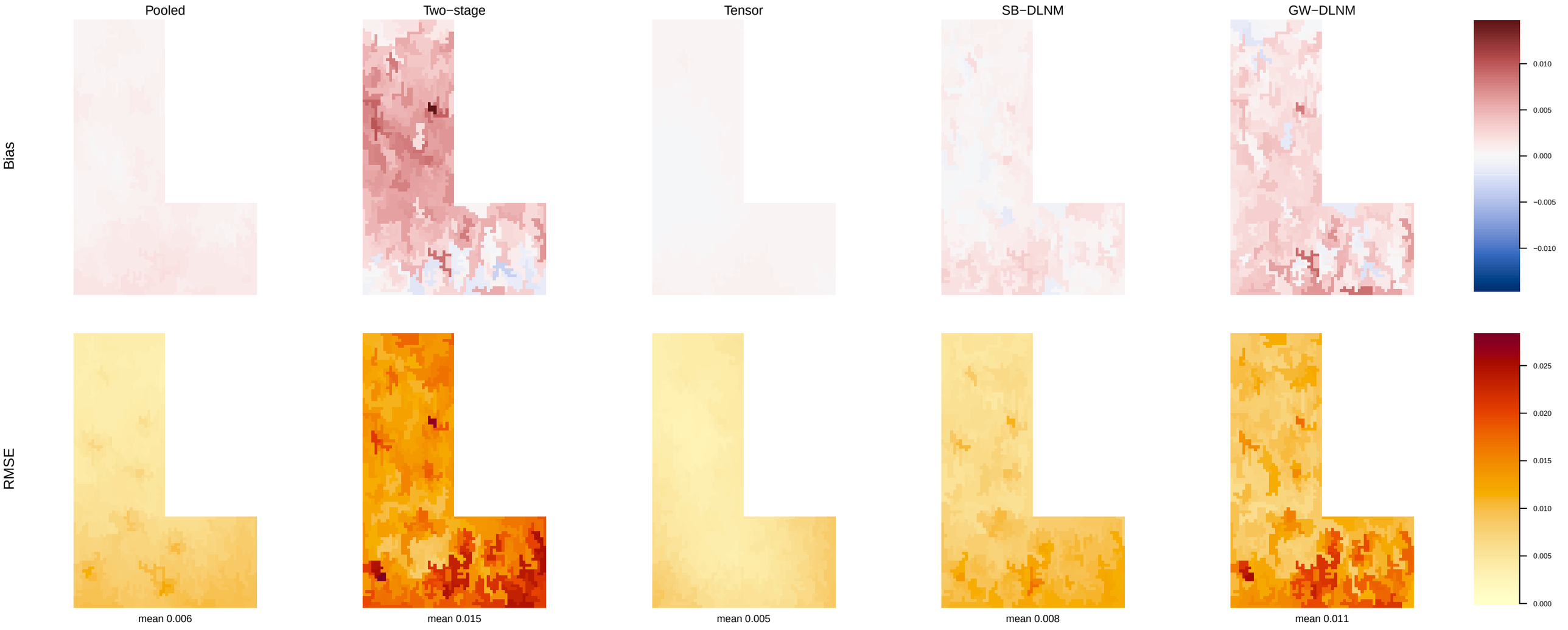
Scenario 283: L−shaped region, 240 counties, mild inequality, independent pattern, spread 0.15, ridge gradient, linear exposure−response, event rate 0.5, RR 1.4, short lag



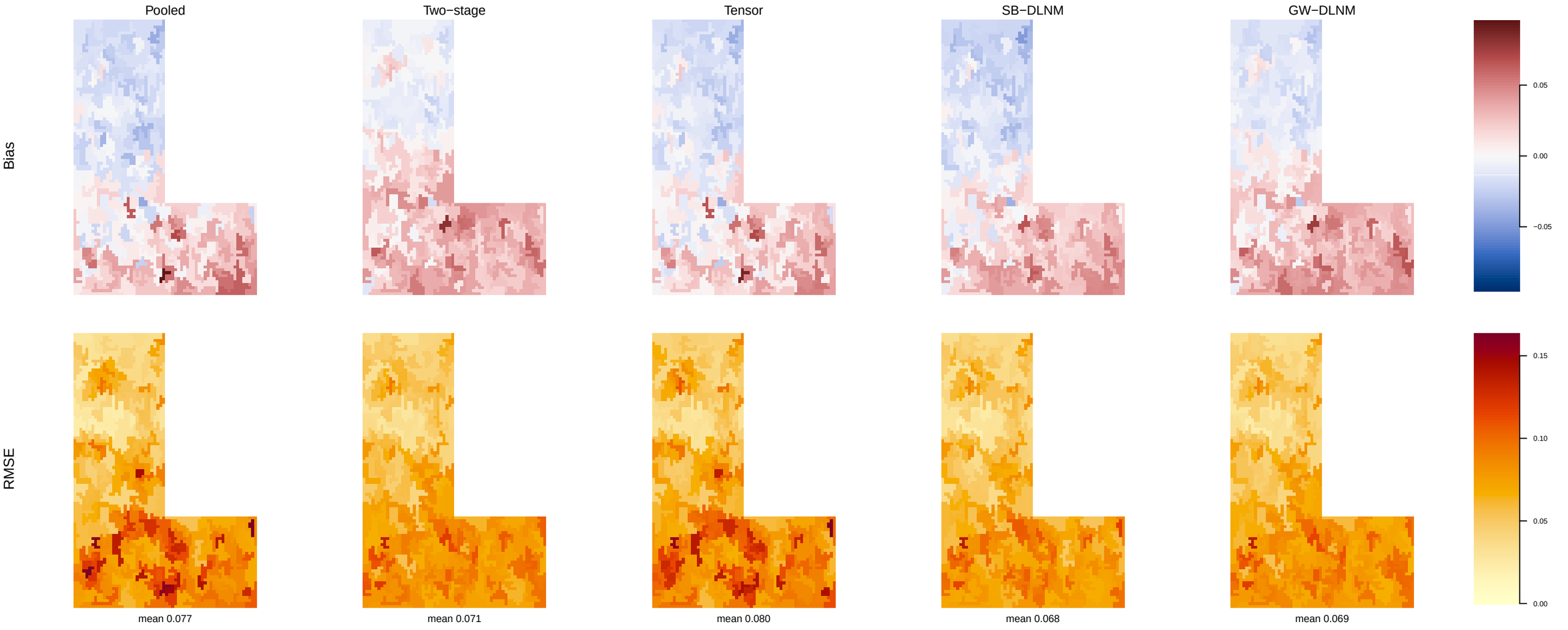
Scenario 475: L−shaped region, 240 counties, mild inequality, boundary pattern, spread 0.15, valley gradient, linear exposure−response, event rate 2, RR 1.0, harvest lag



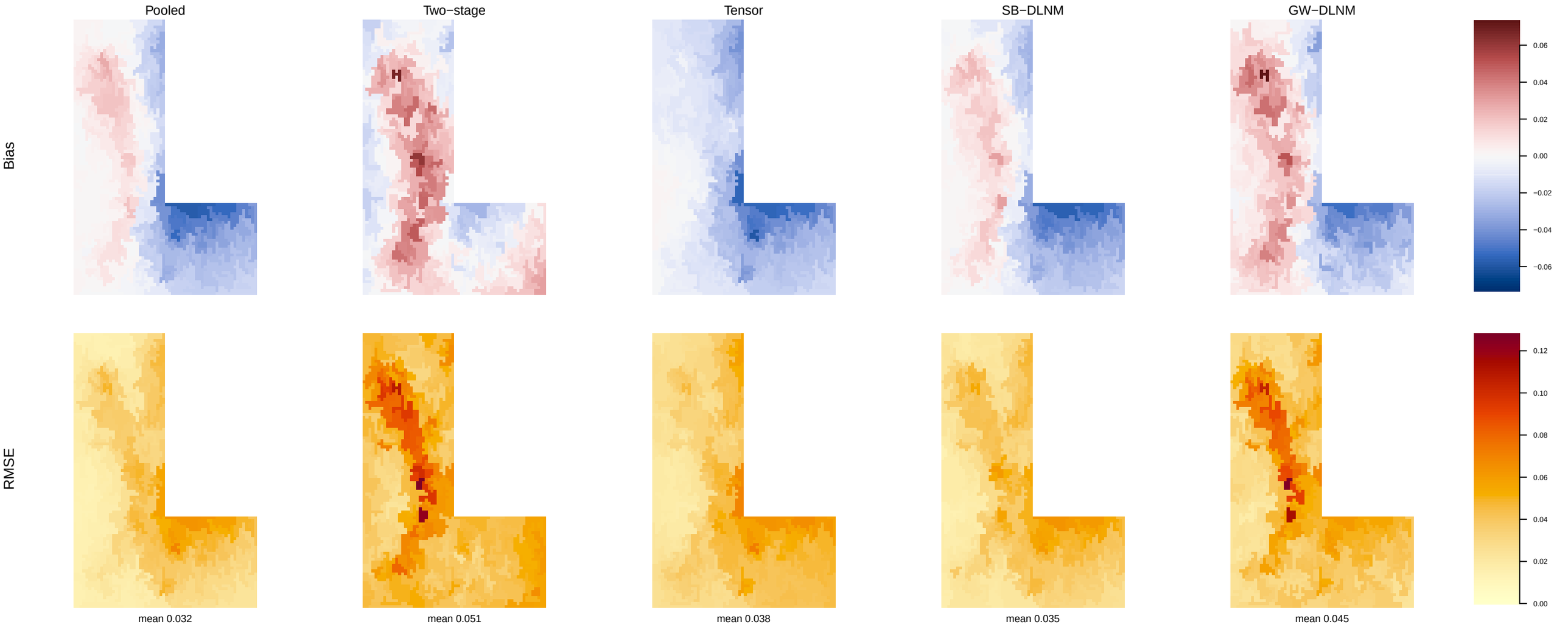
Scenario 667: L−shaped region, 240 counties, mild inequality, regional pattern, spread 0.30, edges gradient, threshold exposure−response, event rate 0.125, RR 1.4, short lag



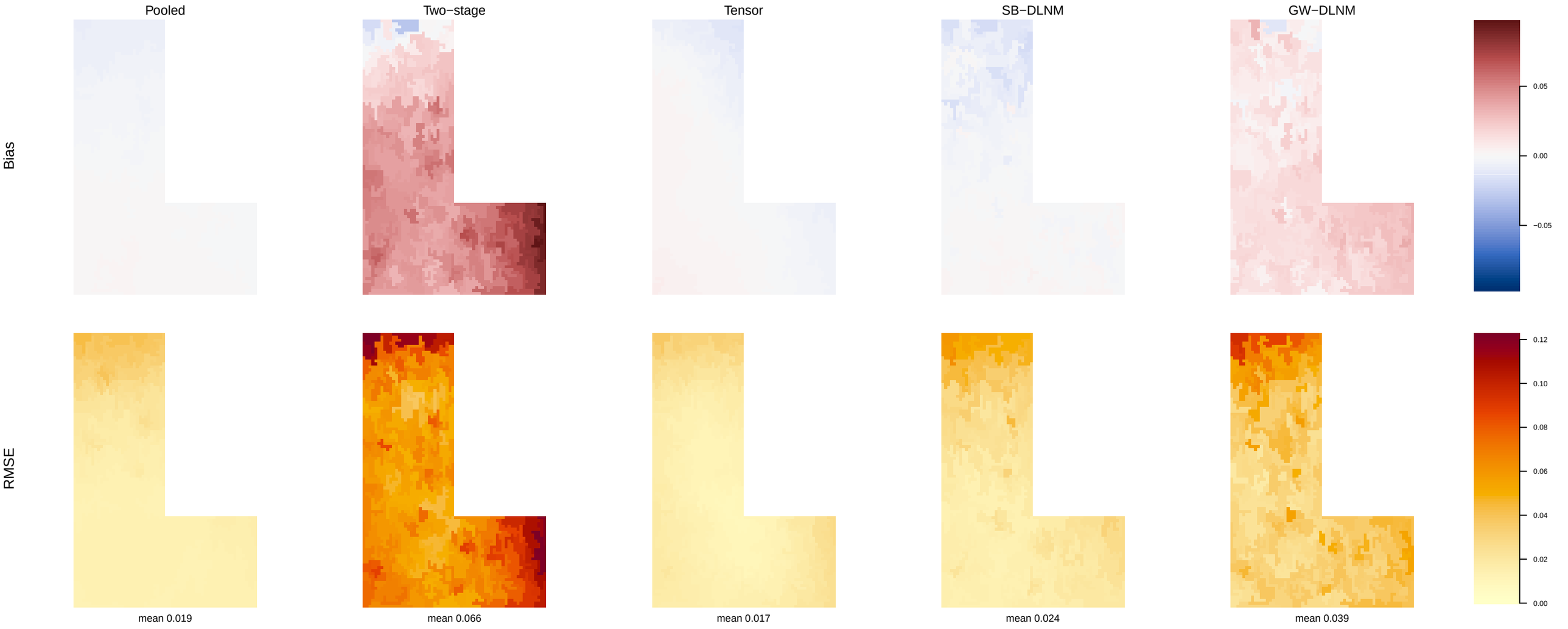
Scenario 603: L−shaped region, 240 counties, mild inequality, local pattern, spread 0.30, NS gradient, threshold exposure−response, event rate 8, RR 1.0, harvest lag



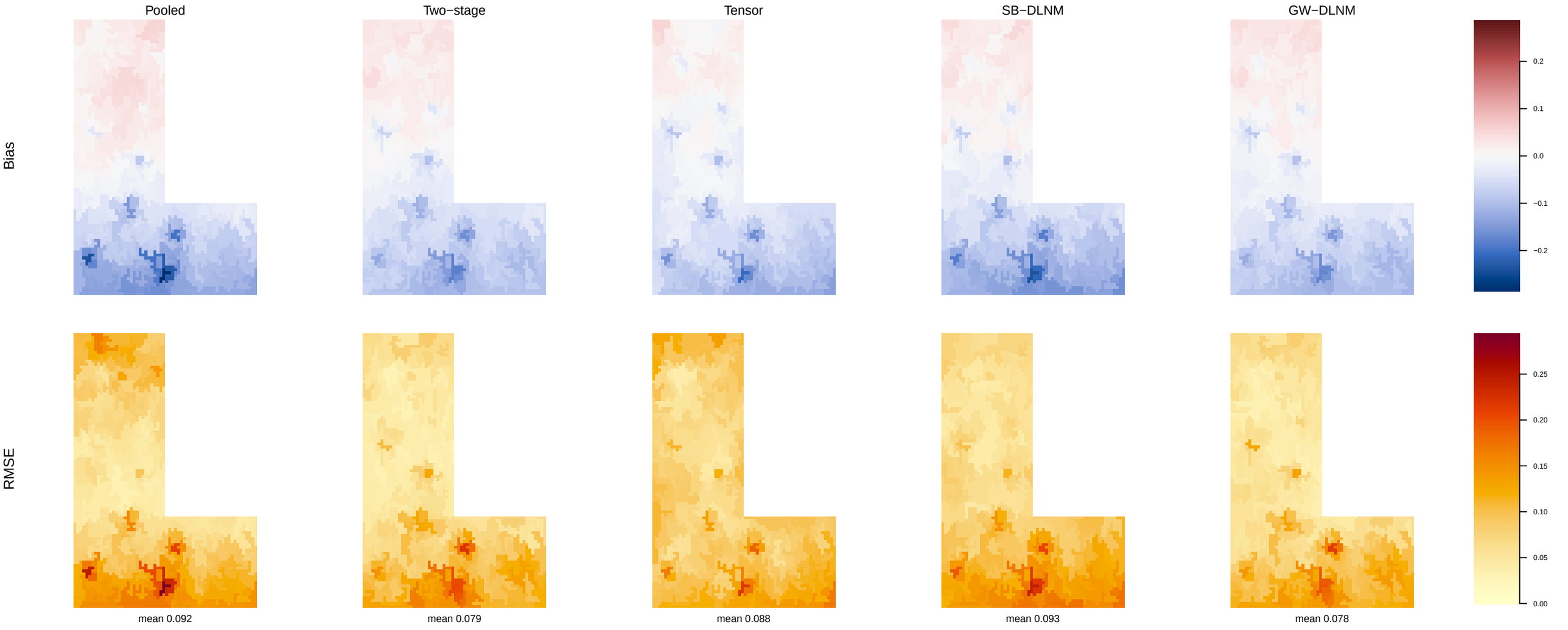
Scenario 539: L−shaped region, 240 counties, mild inequality, independent pattern, spread 0.30, ridge gradient, threshold exposure−response, event rate 2, RR 1.6, delayed lag



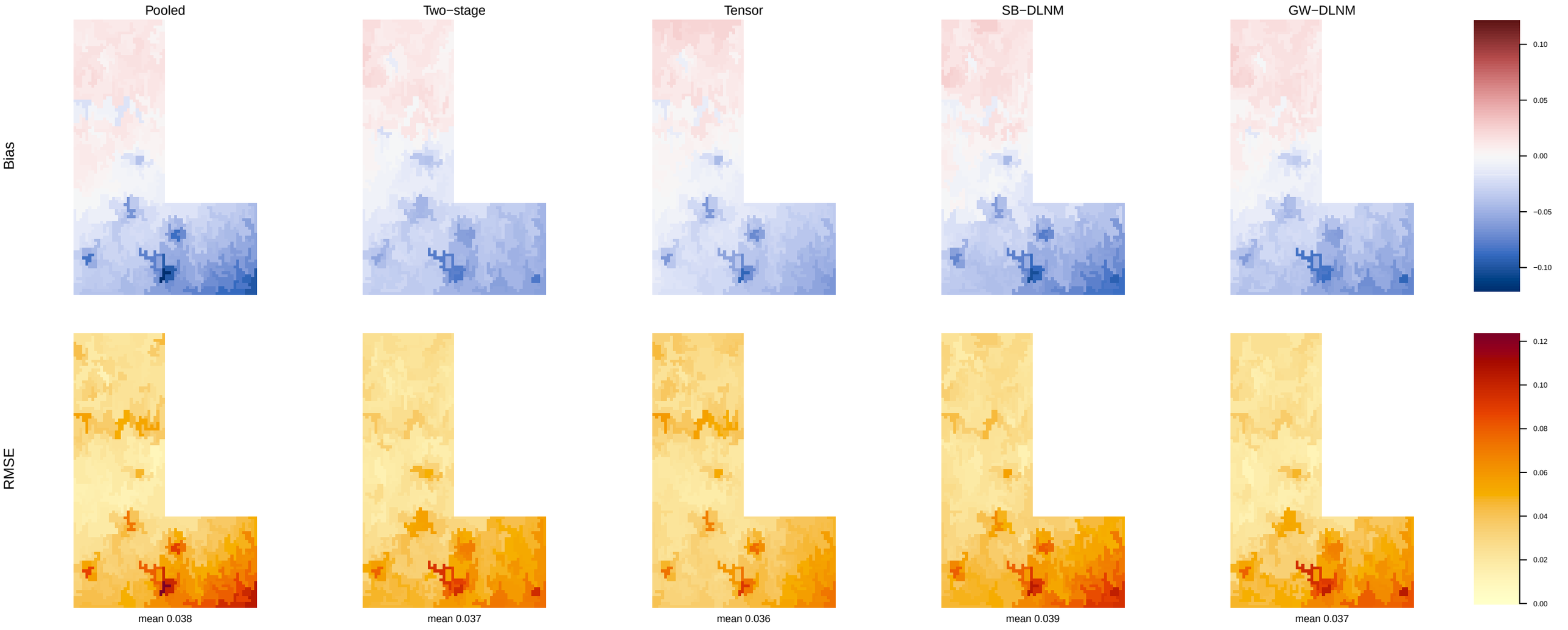
Scenario 731: L−shaped region, 240 counties, mild inequality, boundary pattern, spread 0.30, valley gradient, threshold exposure−response, event rate 0.5, RR 1.2, decay lag



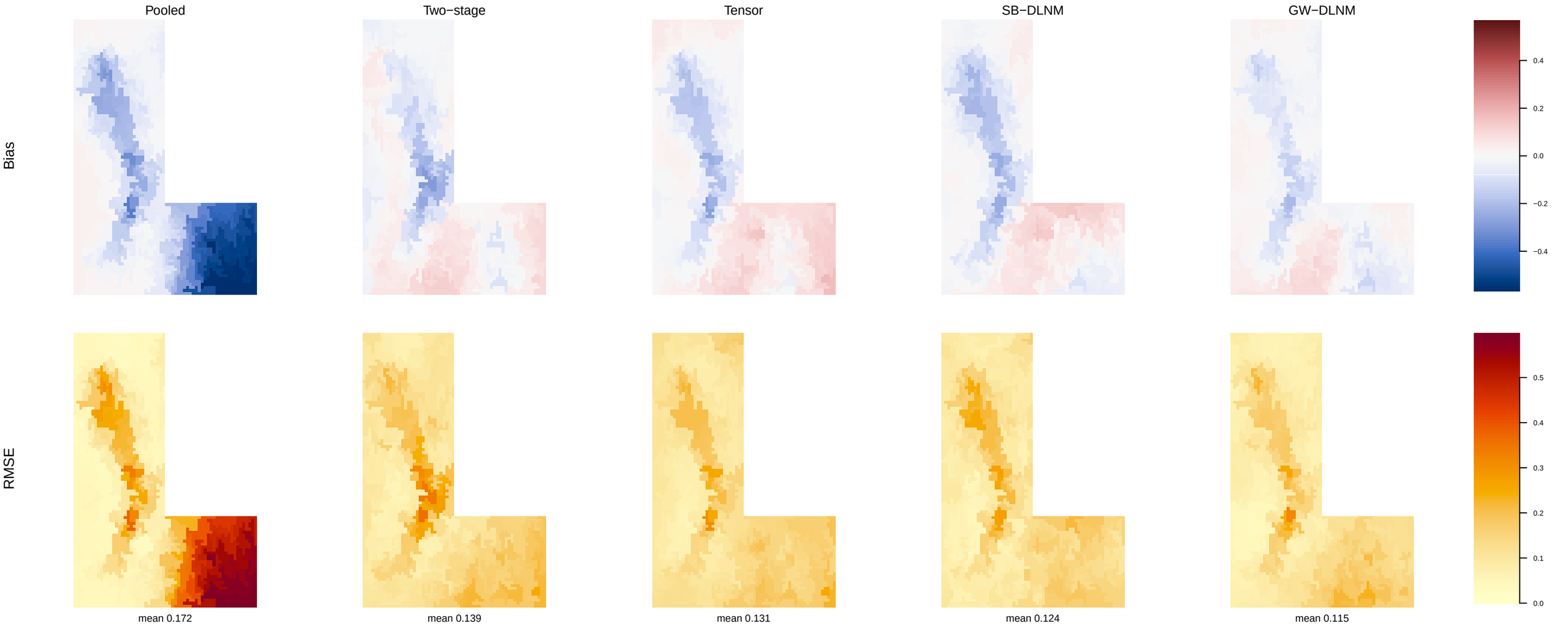
Scenario 923: L−shaped region, 240 counties, mild inequality, regional pattern, spread 0.50, edges gradient, unimodal exposure−response, event rate 0.5, RR 1.0, harvest lag



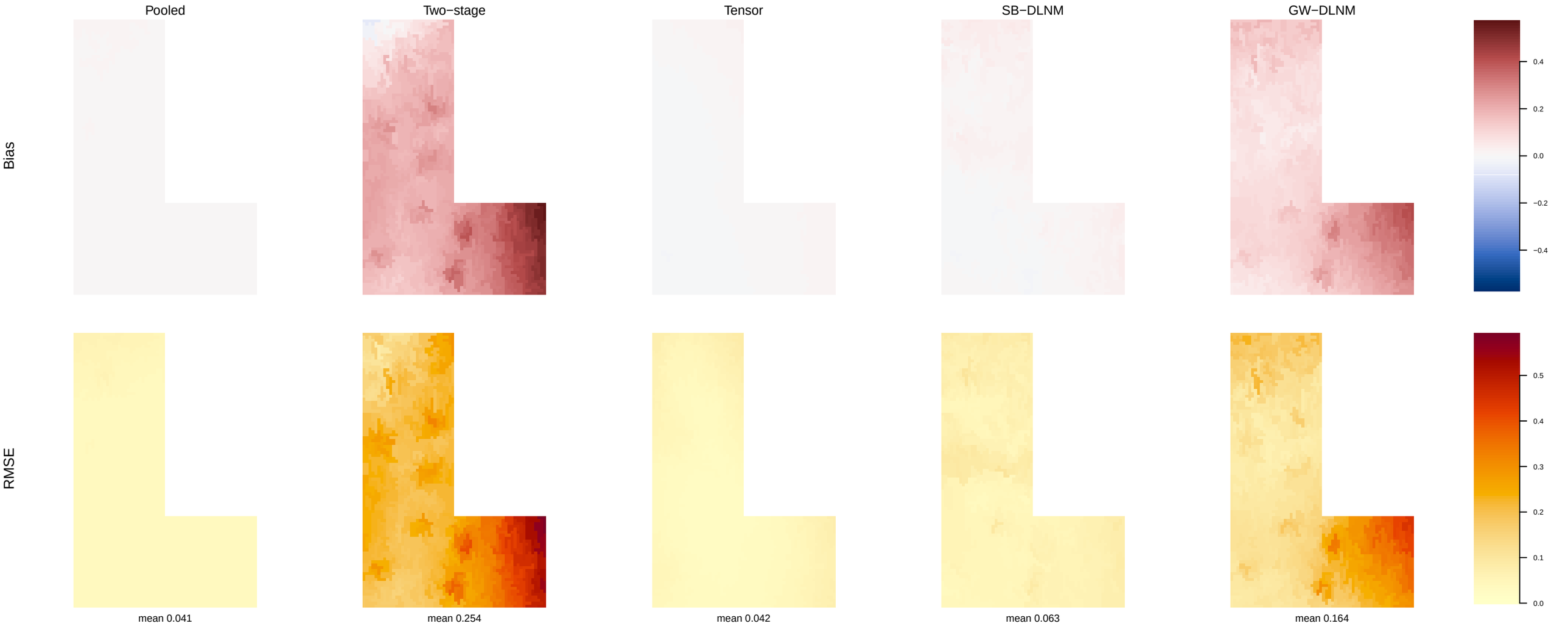
Scenario 859: L−shaped region, 240 counties, mild inequality, local pattern, spread 0.50, NS gradient, unimodal exposure−response, event rate 2, RR 1.4, short lag



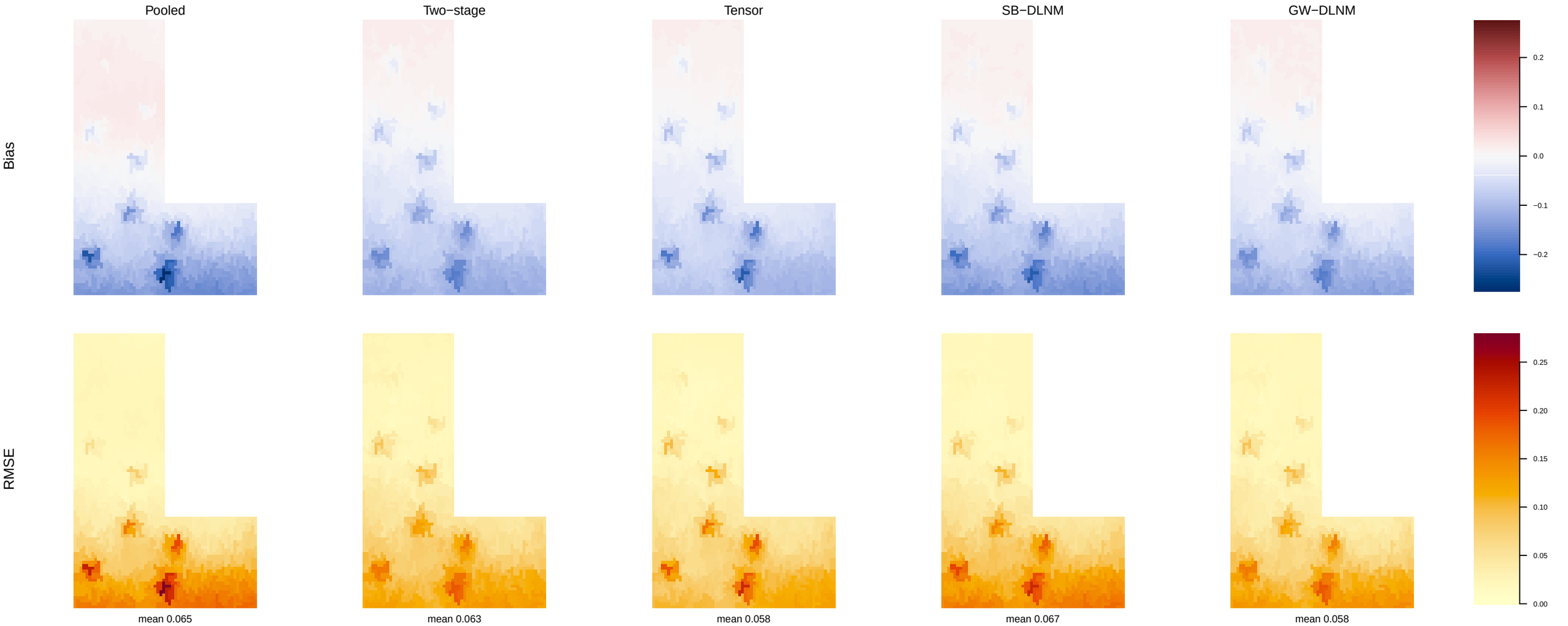
Scenario 795: L−shaped region, 240 counties, mild inequality, independent pattern, spread 0.50, ridge gradient, unimodal exposure−response, event rate 8, RR 1.2, decay lag



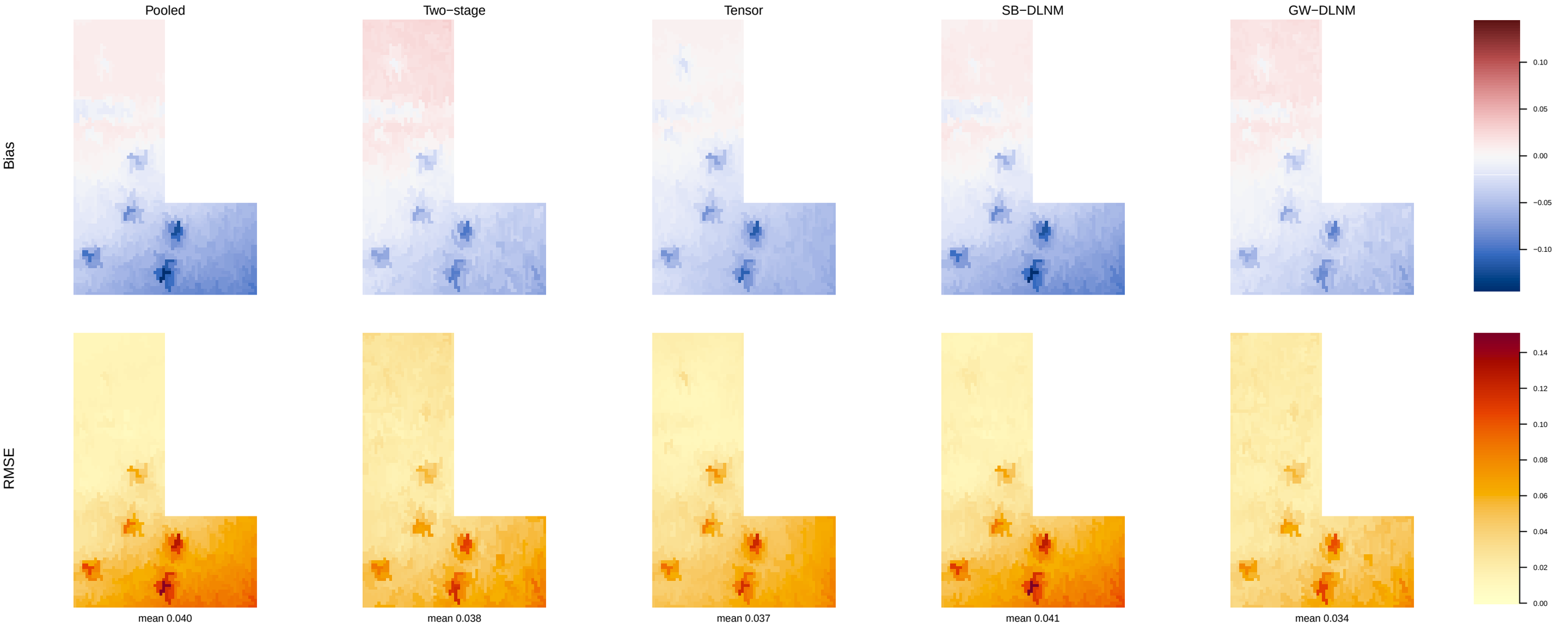
Scenario 987: L−shaped region, 240 counties, mild inequality, boundary pattern, spread 0.50, valley gradient, unimodal exposure−response, event rate 0.125, RR 1.6, delayed lag



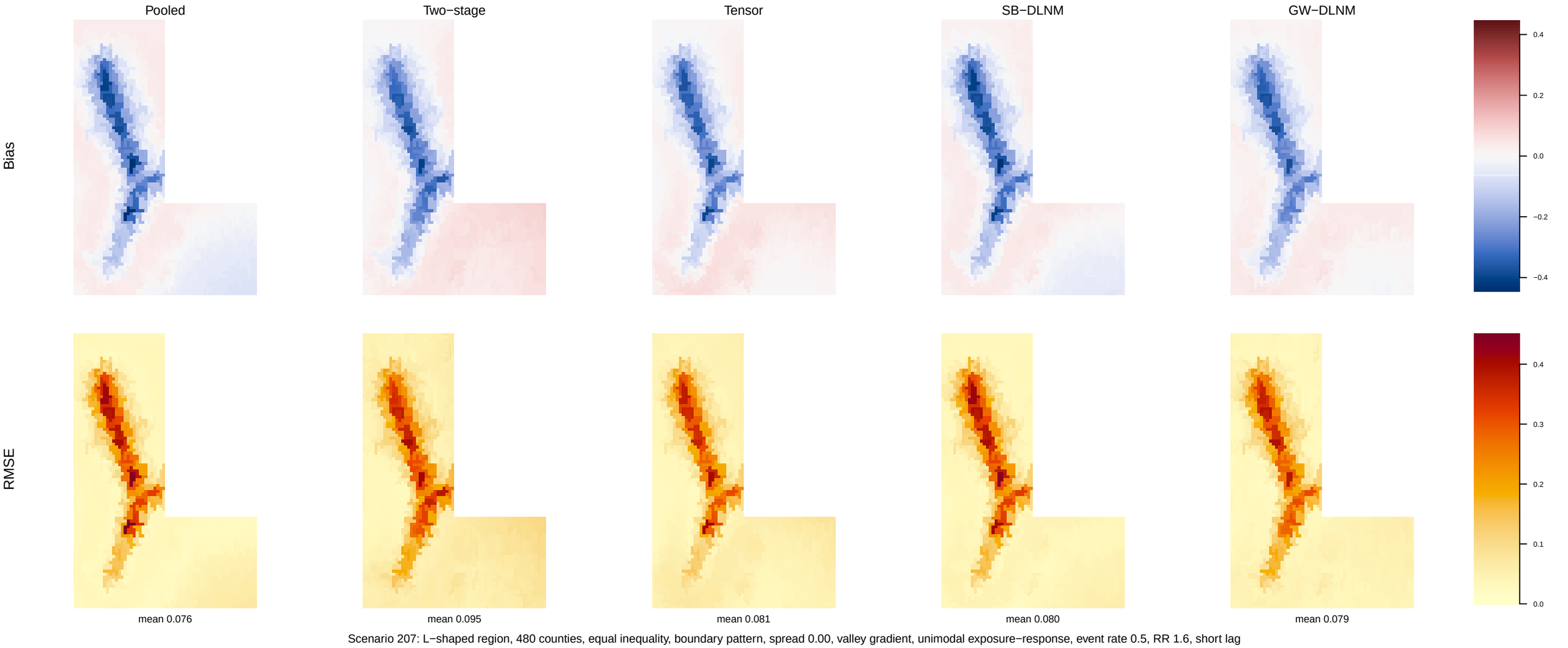
Scenario 143: L−shaped region, 480 counties, equal inequality, regional pattern, spread 0.00, edges gradient, unimodal exposure−response, event rate 0.125, RR 1.0, decay lag



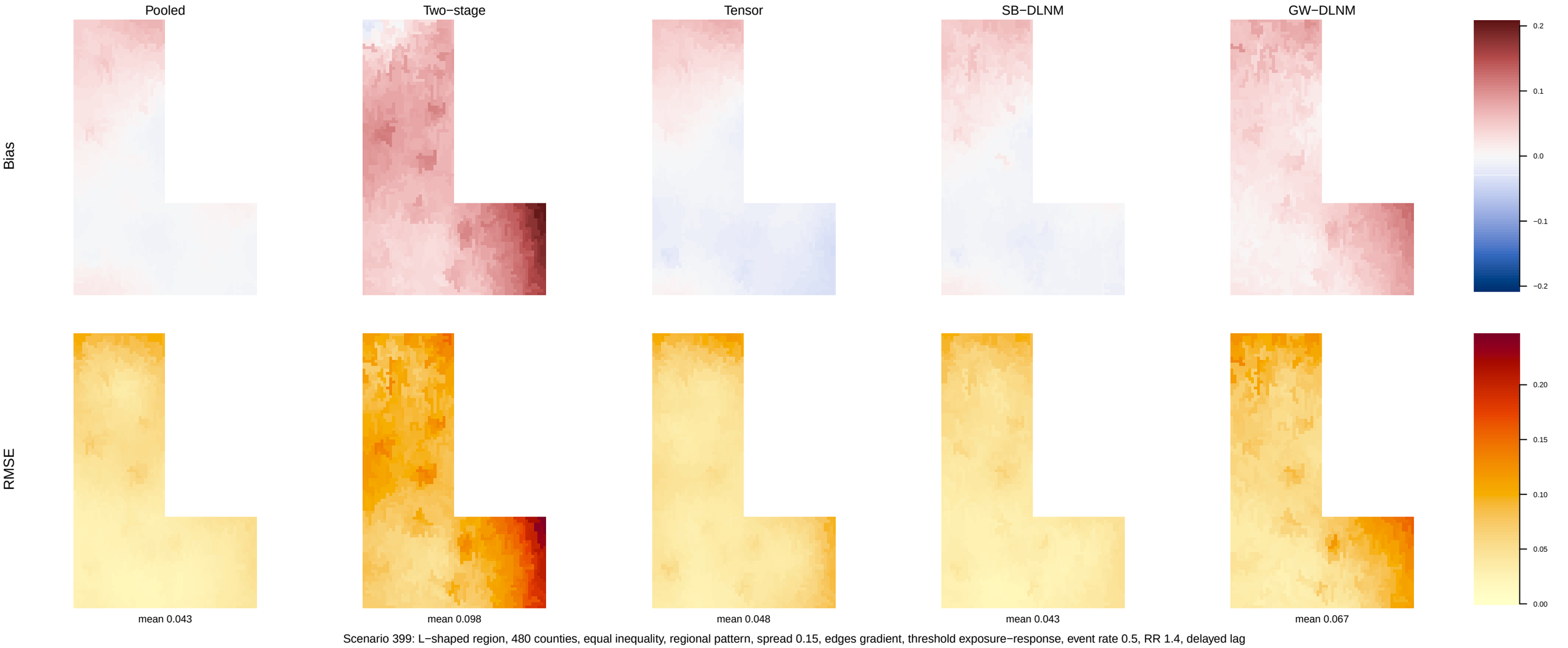
Scenario 79: L−shaped region, 480 counties, equal inequality, local pattern, spread 0.00, NS gradient, unimodal exposure−response, event rate 8, RR 1.4, delayed lag



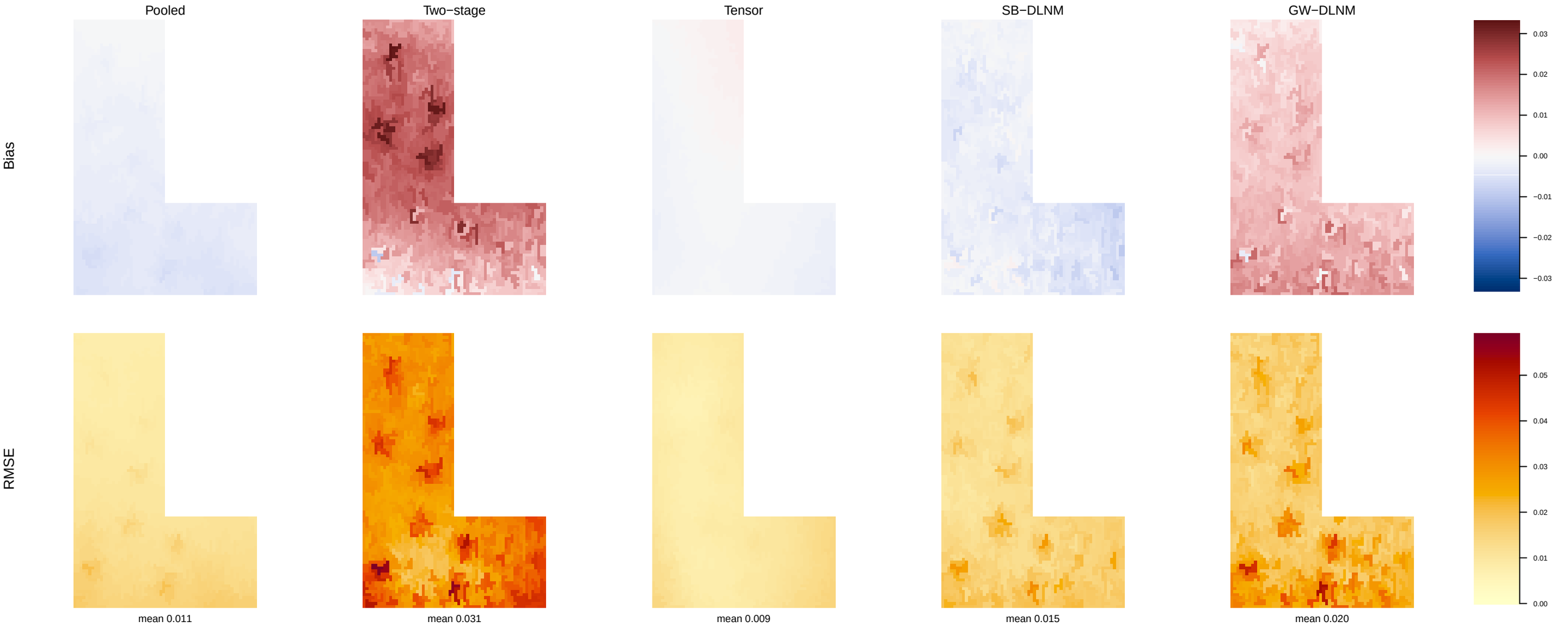
Scenario 15: L−shaped region, 480 counties, equal inequality, independent pattern, spread 0.00, ridge gradient, unimodal exposure−response, event rate 2, RR 1.2, harvest lag



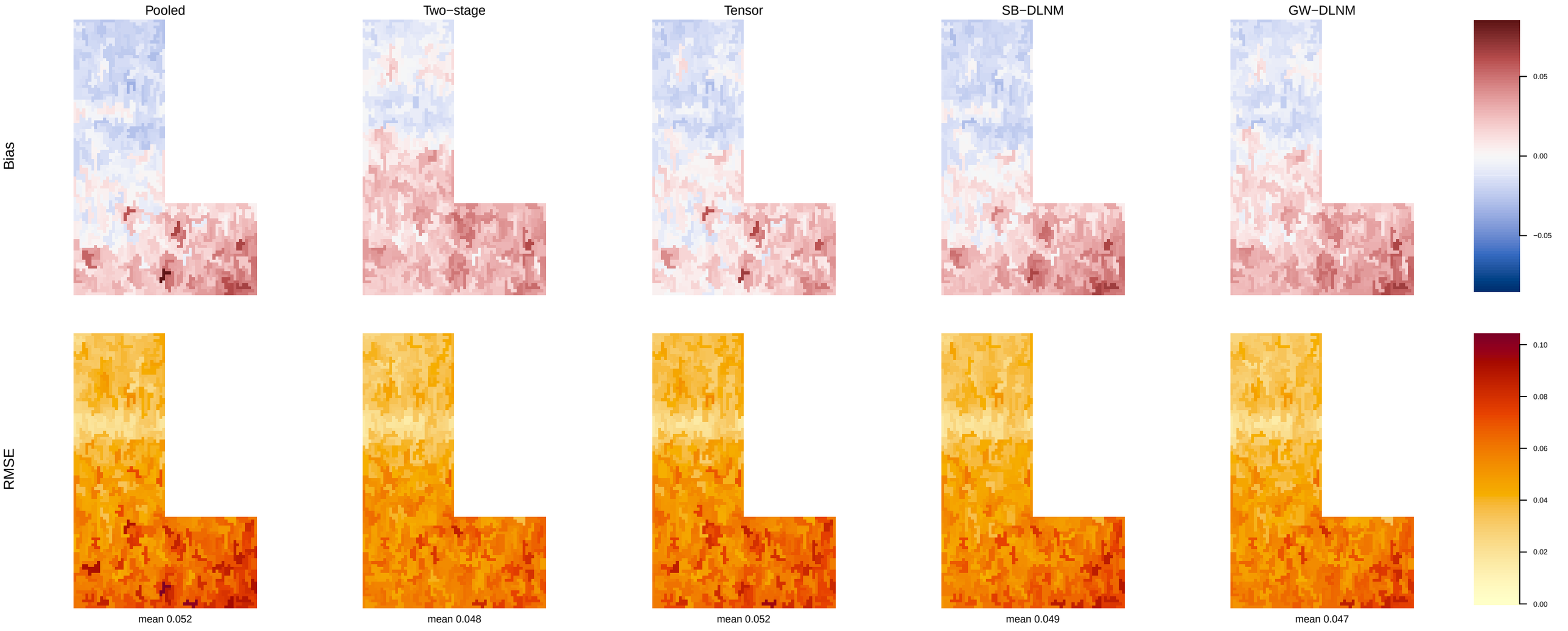
Scenario 207: L−shaped region, 480 counties, equal inequality, boundary pattern, spread 0.00, valley gradient, unimodal exposure−response, event rate 0.5, RR 1.6, short lag



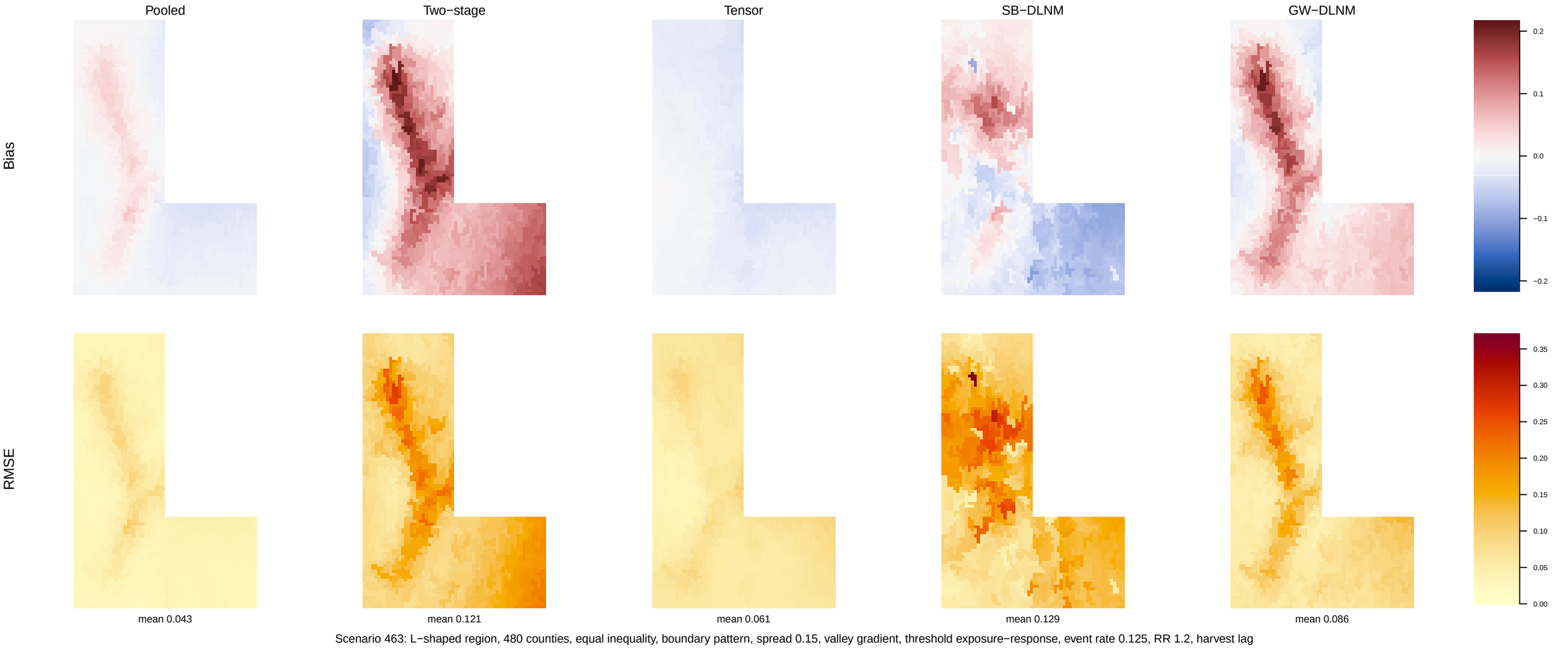
Scenario 399: L−shaped region, 480 counties, equal inequality, regional pattern, spread 0.15, edges gradient, threshold exposure−response, event rate 0.5, RR 1.4, delayed lag



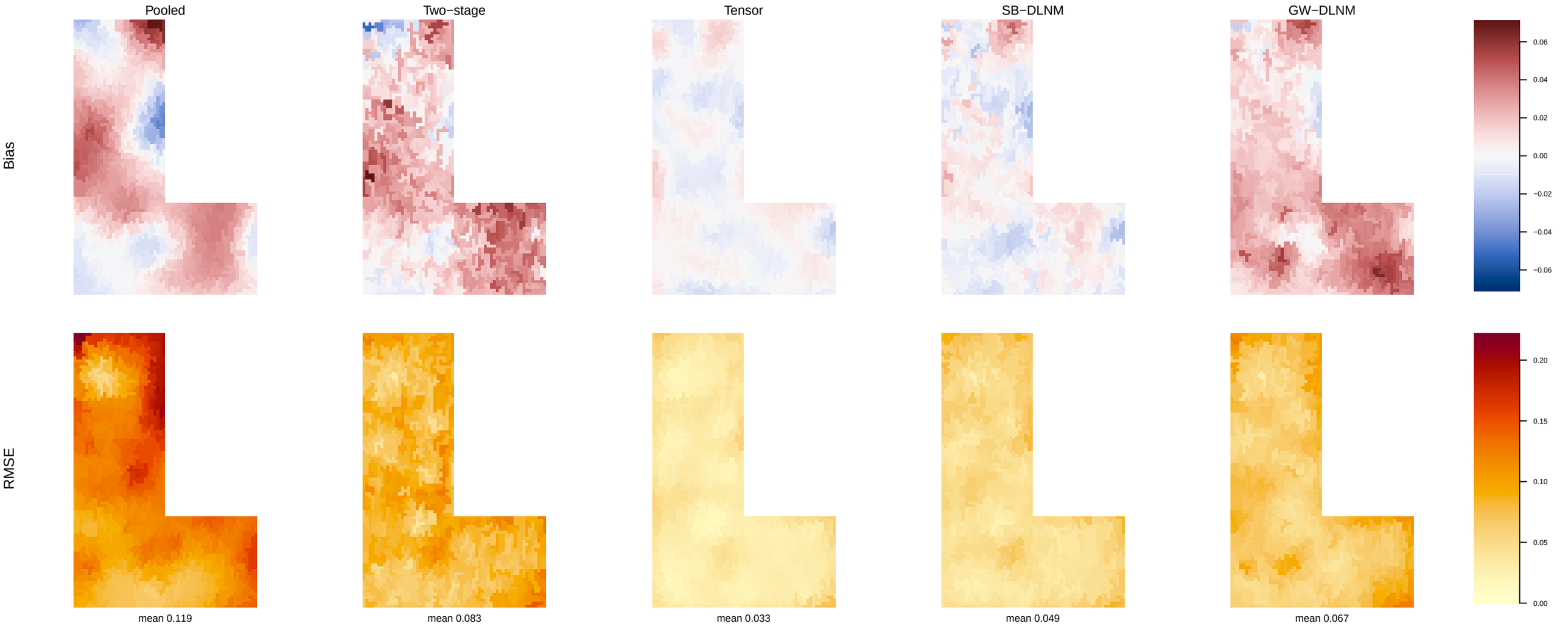
Scenario 335: L−shaped region, 480 counties, equal inequality, local pattern, spread 0.15, NS gradient, threshold exposure−response, event rate 2, RR 1.0, decay lag



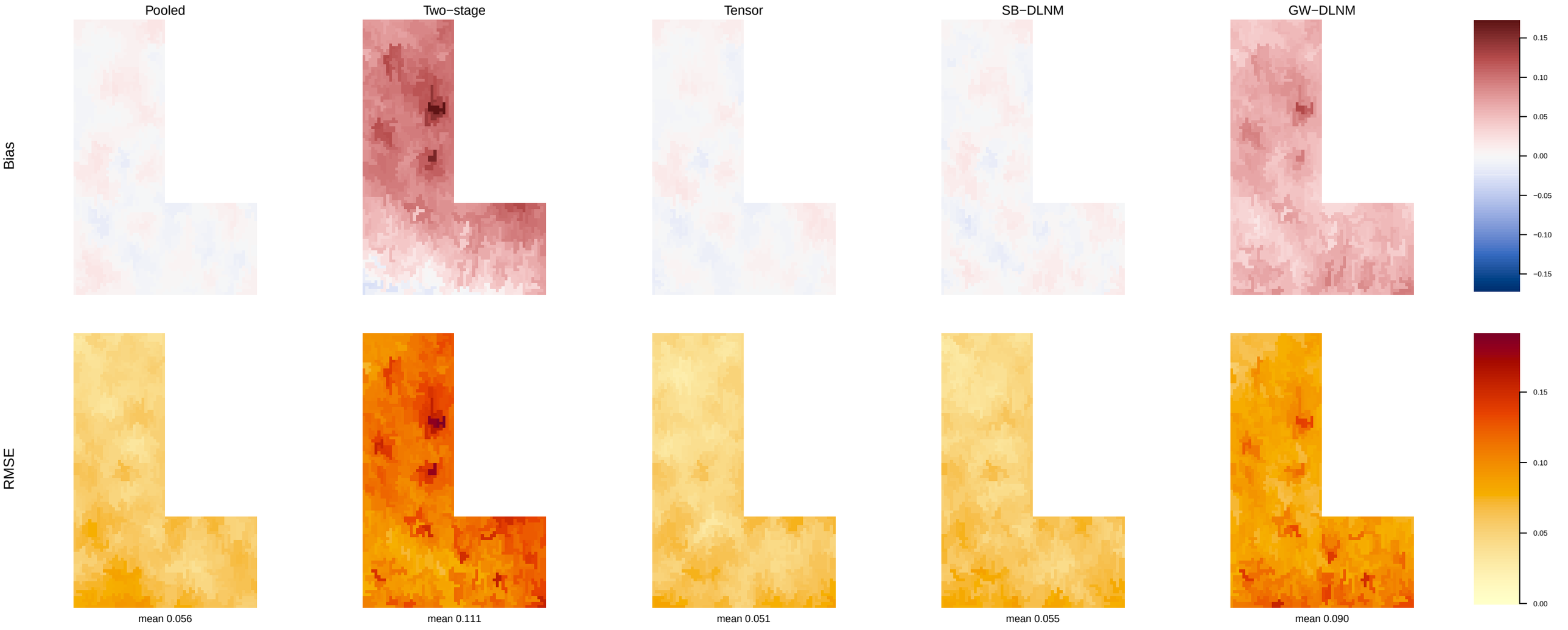
Scenario 271: L−shaped region, 480 counties, equal inequality, independent pattern, spread 0.15, ridge gradient, threshold exposure−response, event rate 8, RR 1.6, short lag



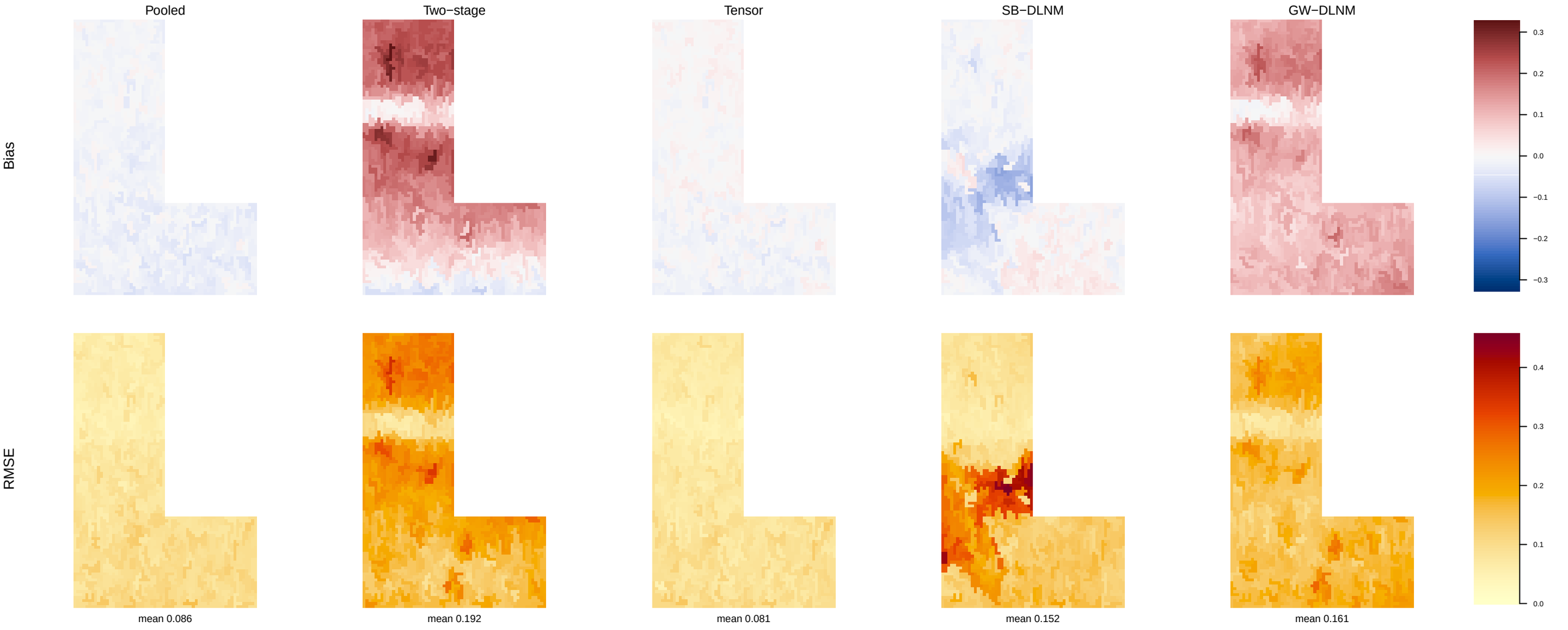
Scenario 463: L−shaped region, 480 counties, equal inequality, boundary pattern, spread 0.15, valley gradient, threshold exposure−response, event rate 0.125, RR 1.2, harvest lag



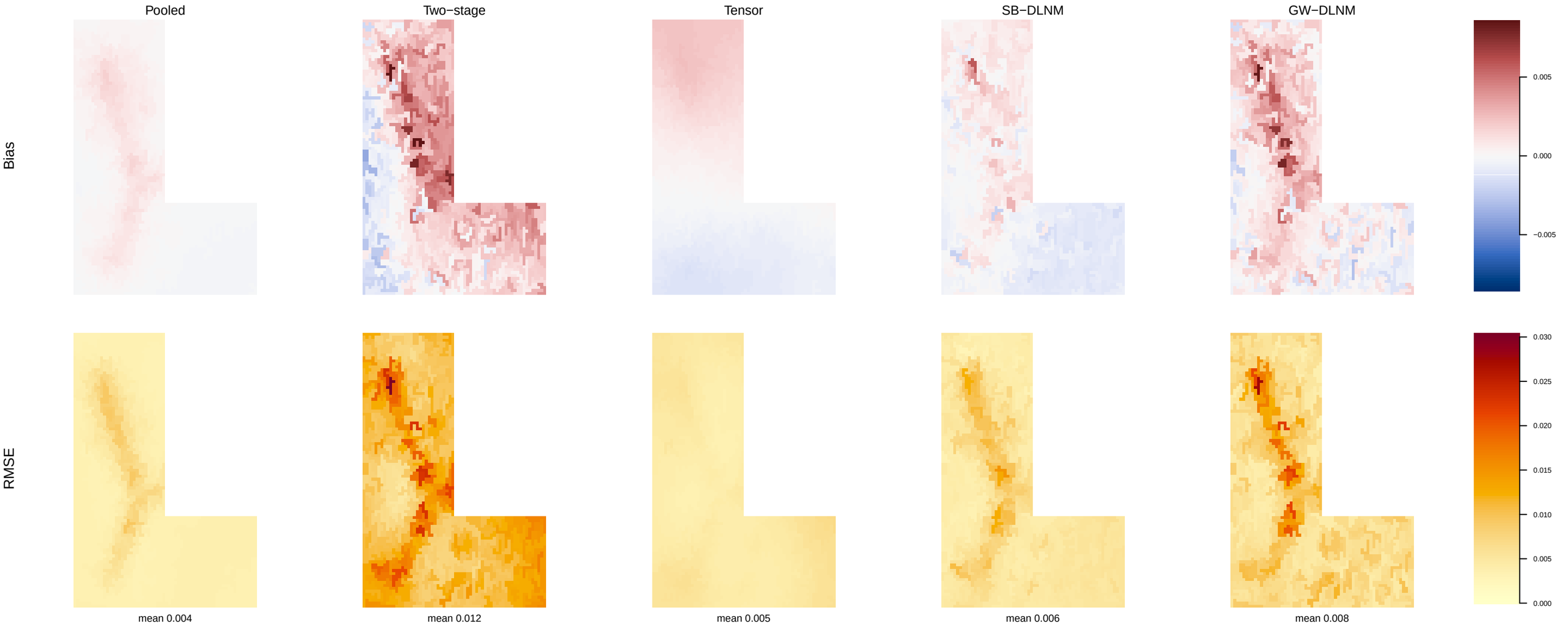
Scenario 655: L−shaped region, 480 counties, equal inequality, regional pattern, spread 0.30, edges gradient, linear exposure−response, event rate 2, RR 1.6, short lag



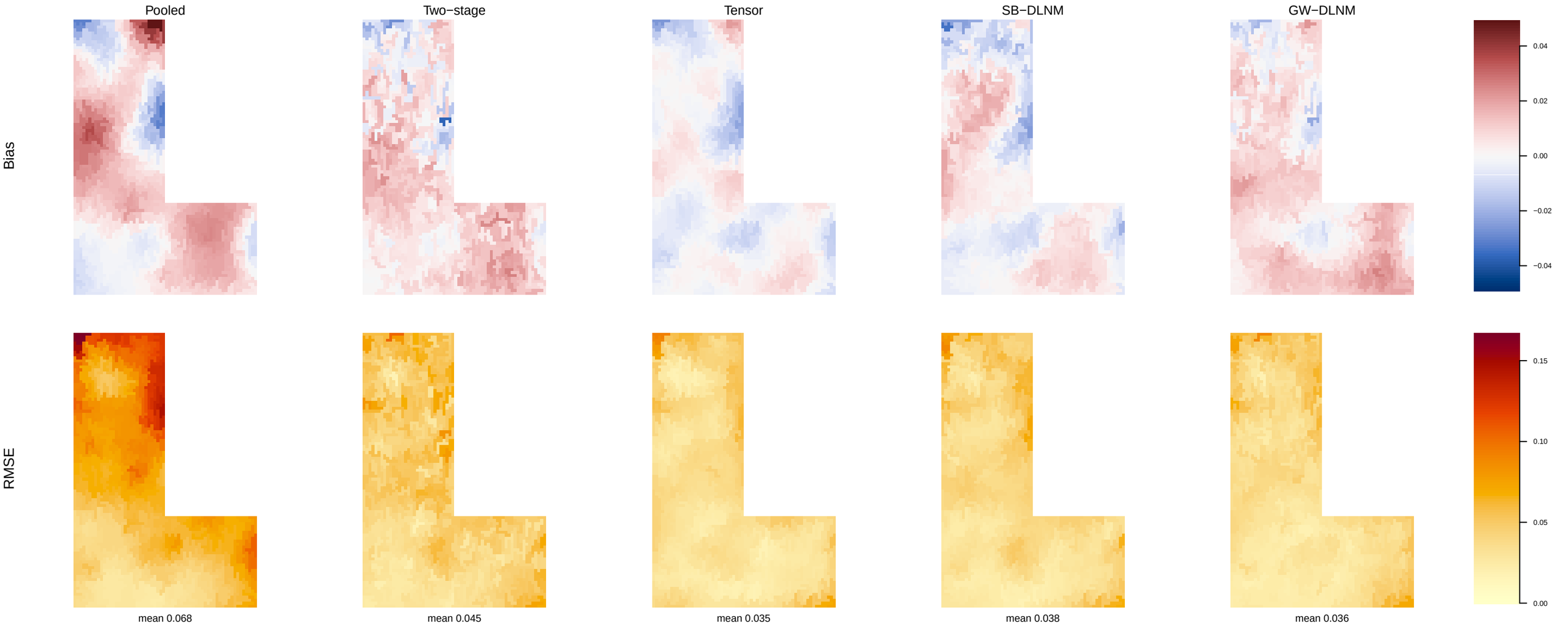
Scenario 591: L−shaped region, 480 counties, equal inequality, local pattern, spread 0.30, NS gradient, linear exposure−response, event rate 0.5, RR 1.2, harvest lag



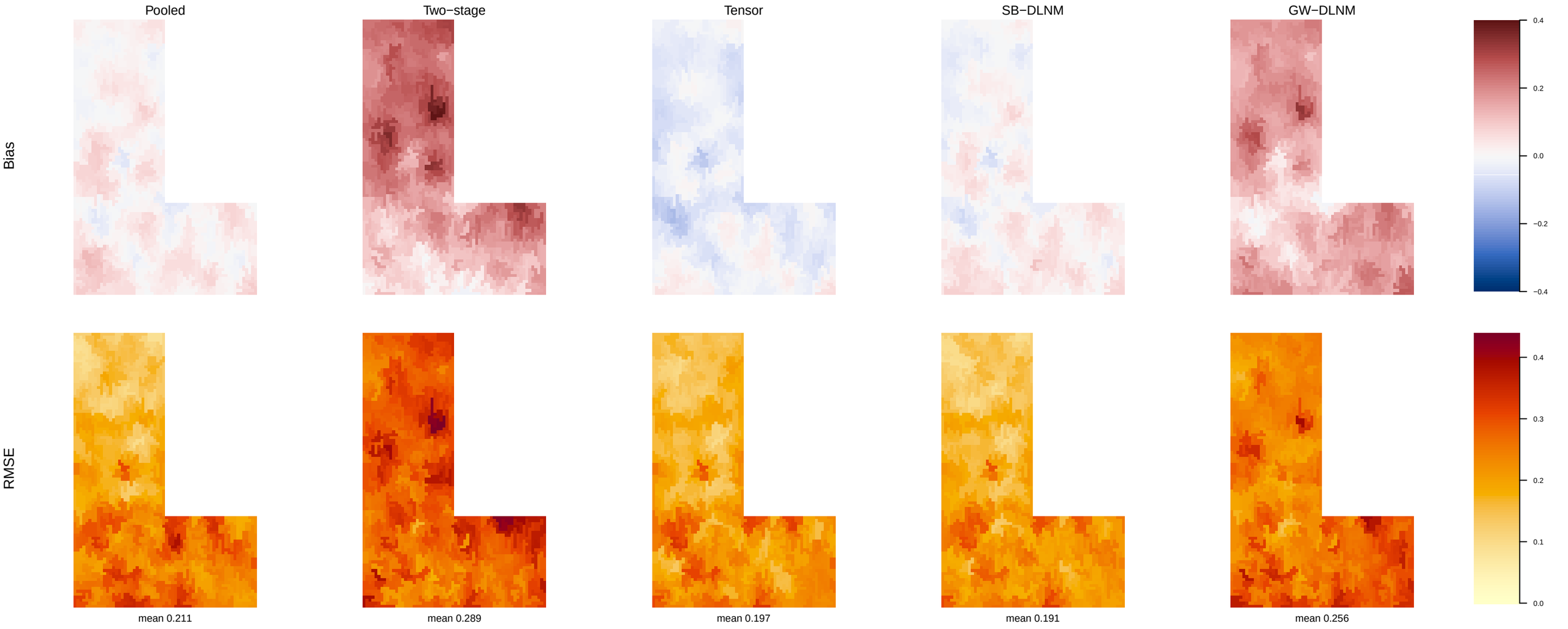
Scenario 527: L−shaped region, 480 counties, equal inequality, independent pattern, spread 0.30, ridge gradient, linear exposure−response, event rate 0.125, RR 1.4, delayed lag



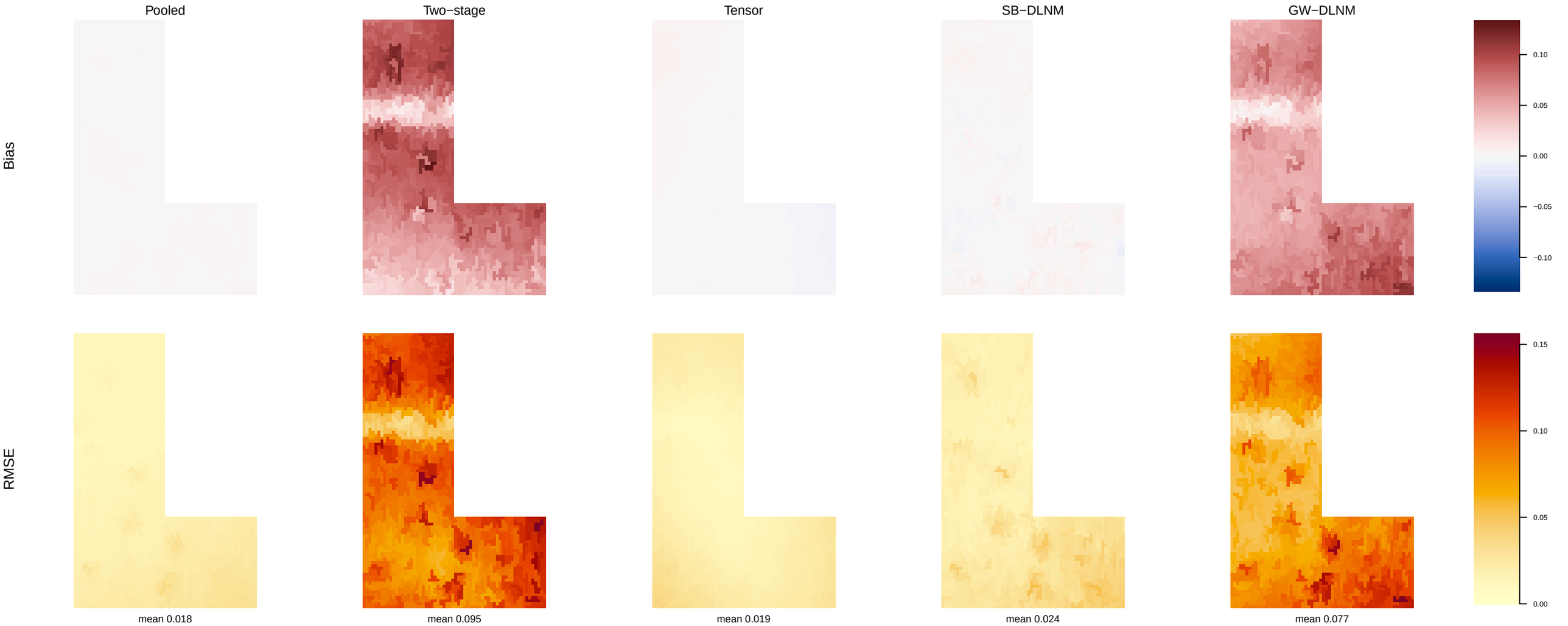
Scenario 719: L−shaped region, 480 counties, equal inequality, boundary pattern, spread 0.30, valley gradient, linear exposure−response, event rate 8, RR 1.0, decay lag



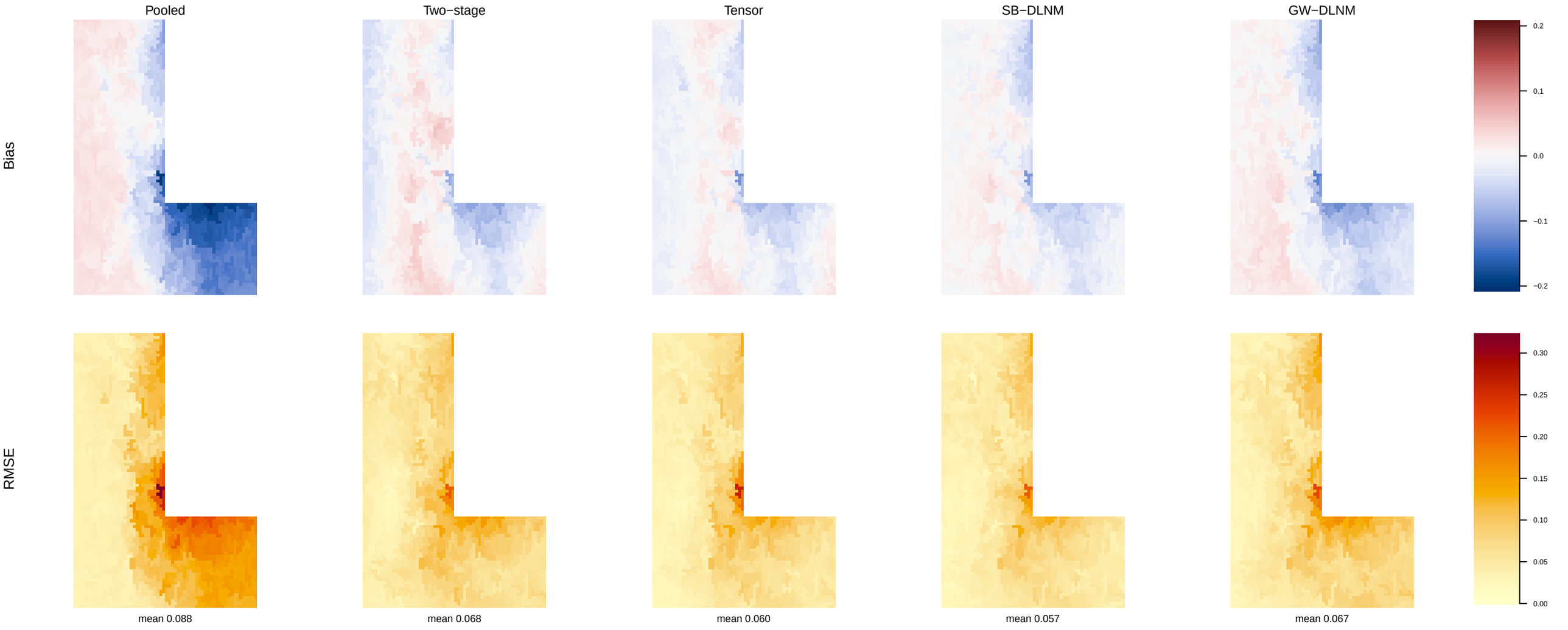
Scenario 911: L−shaped region, 480 counties, equal inequality, regional pattern, spread 0.50, edges gradient, J exposure−response, event rate 8, RR 1.2, harvest lag



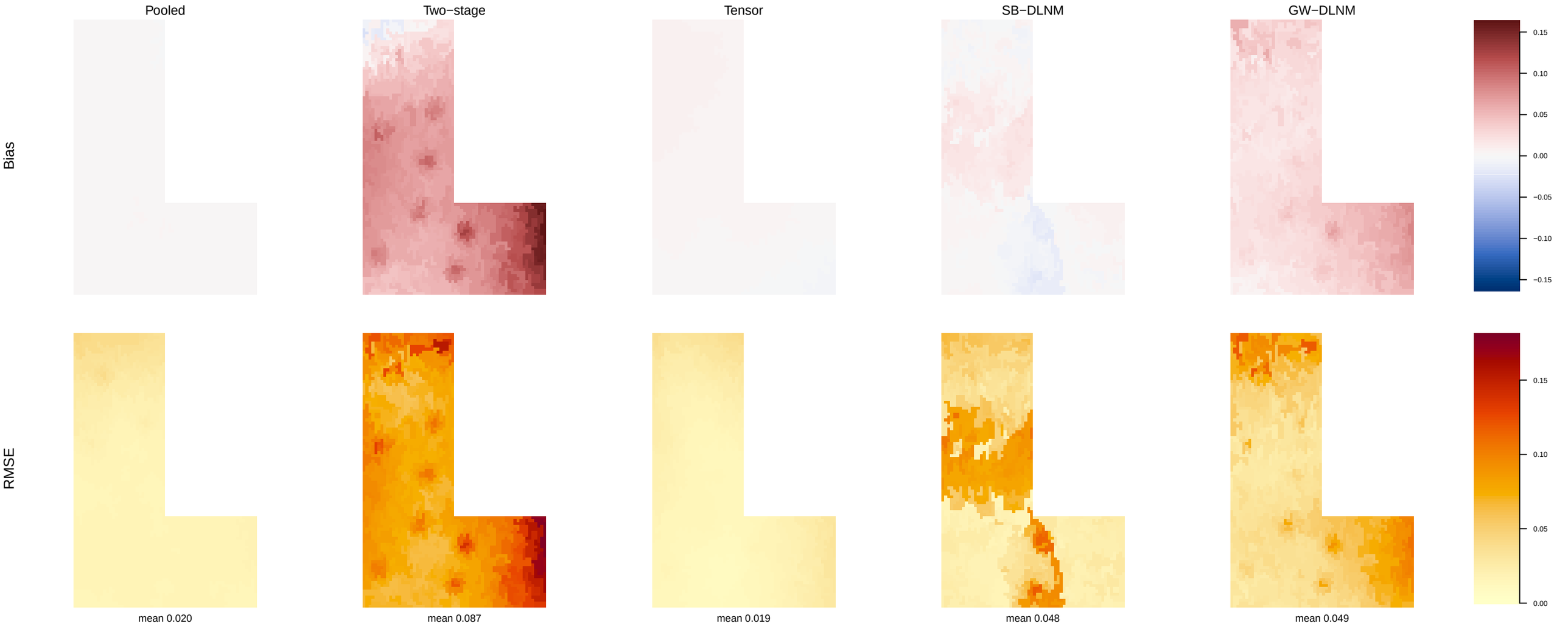
Scenario 847: L−shaped region, 480 counties, equal inequality, local pattern, spread 0.50, NS gradient, J exposure−response, event rate 0.125, RR 1.6, short lag



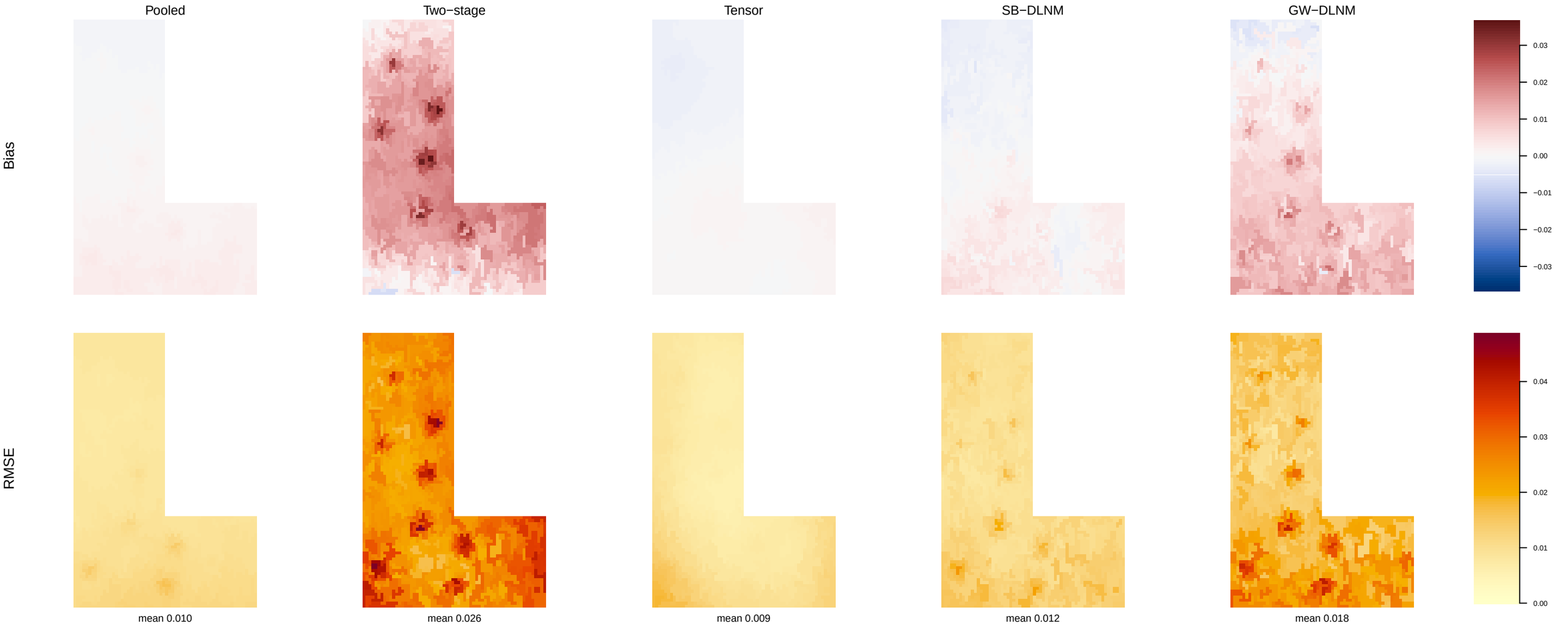
Scenario 783: L−shaped region, 480 counties, equal inequality, independent pattern, spread 0.50, ridge gradient, J exposure−response, event rate 0.5, RR 1.0, decay lag



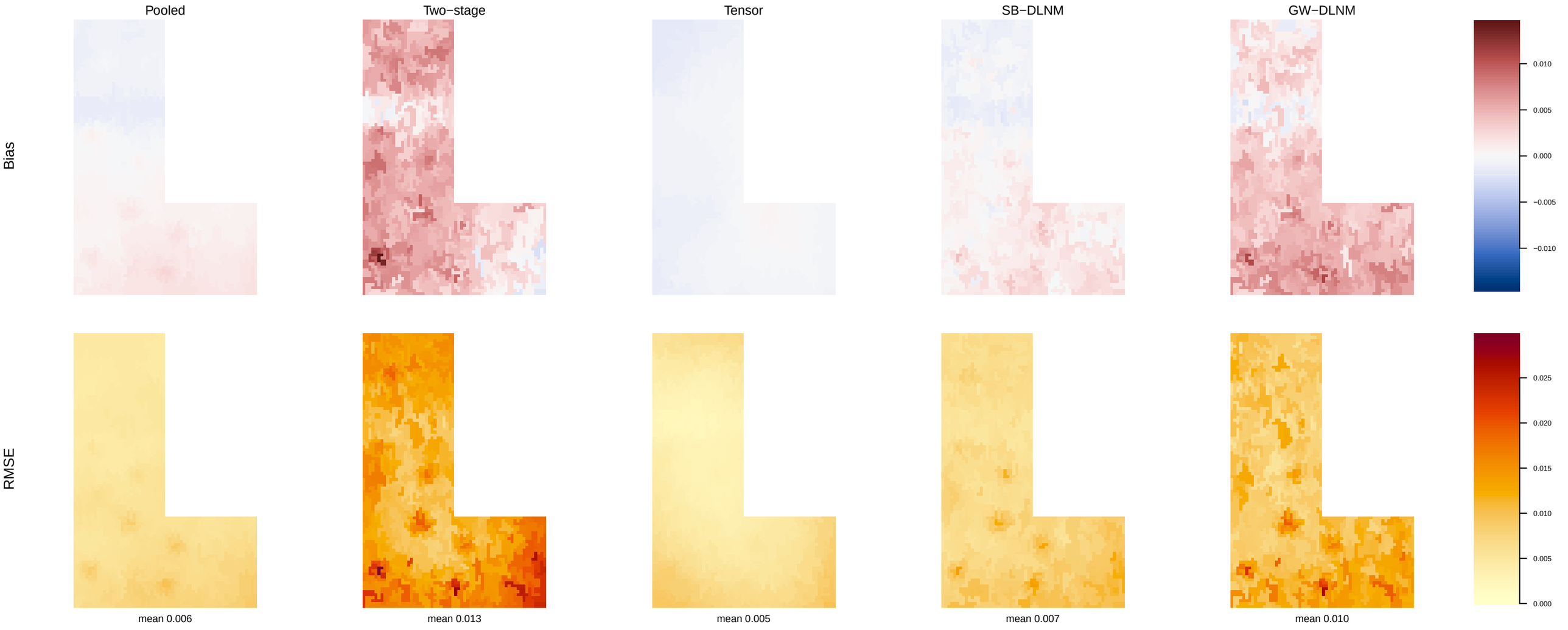
Scenario 975: L−shaped region, 480 counties, equal inequality, boundary pattern, spread 0.50, valley gradient, J exposure−response, event rate 2, RR 1.4, delayed lag



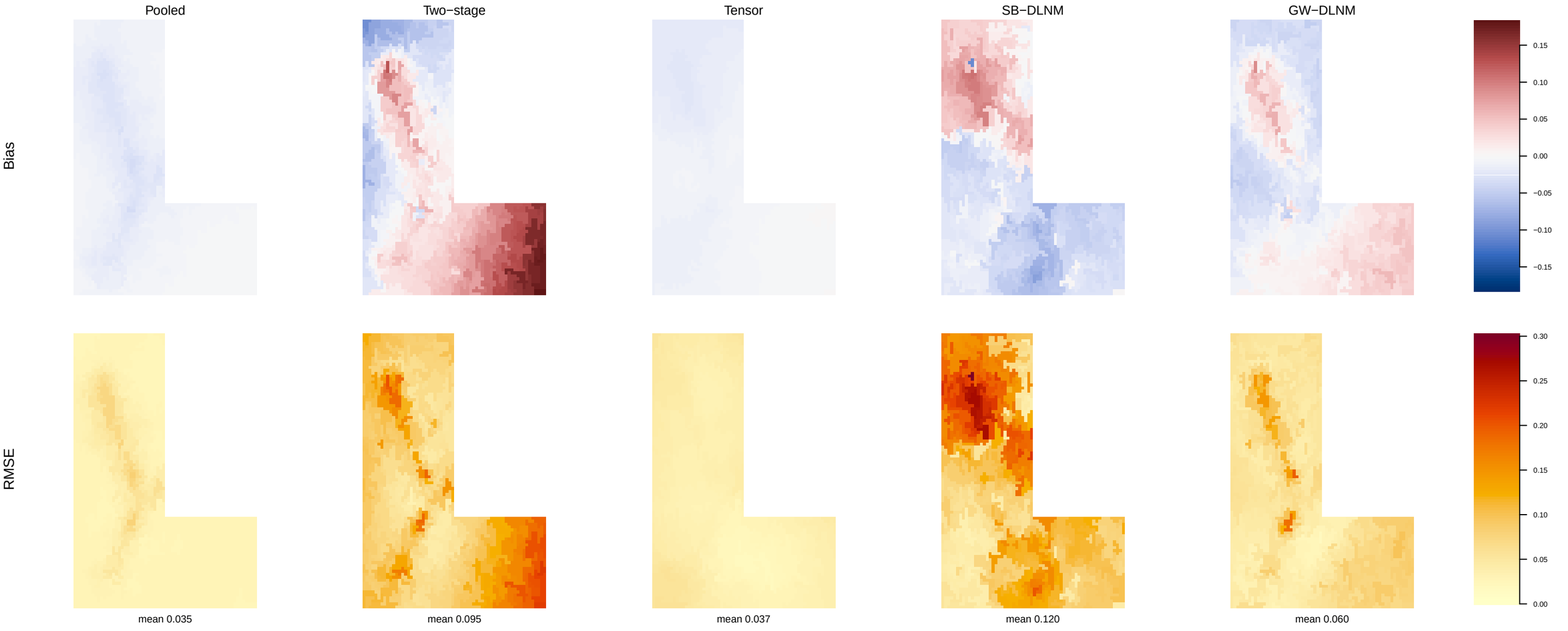
Scenario 47: L−shaped region, 480 counties, moderate inequality, independent pattern, spread 0.00, edges gradient, linear exposure−response, event rate 0.5, RR 1.2, delayed lag



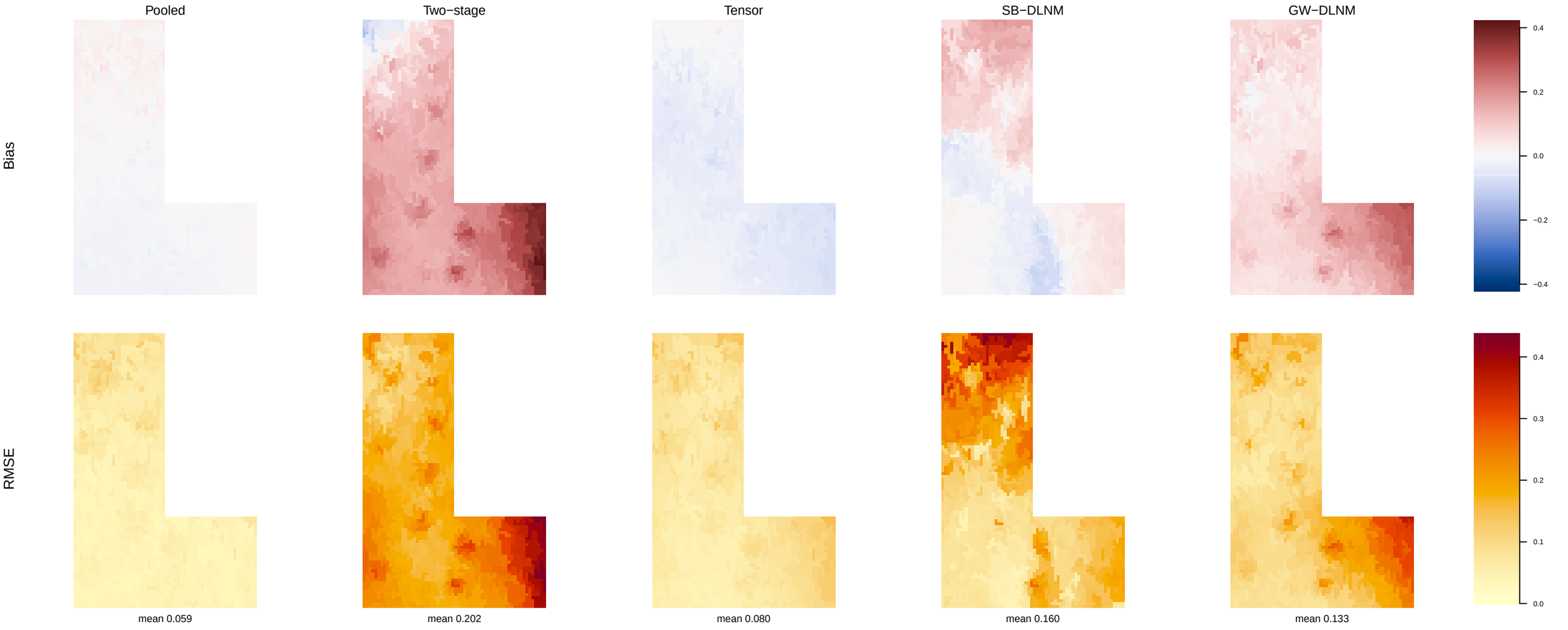
Scenario 239: L−shaped region, 480 counties, moderate inequality, boundary pattern, spread 0.00, NS gradient, linear exposure−response, event rate 2, RR 1.6, decay lag



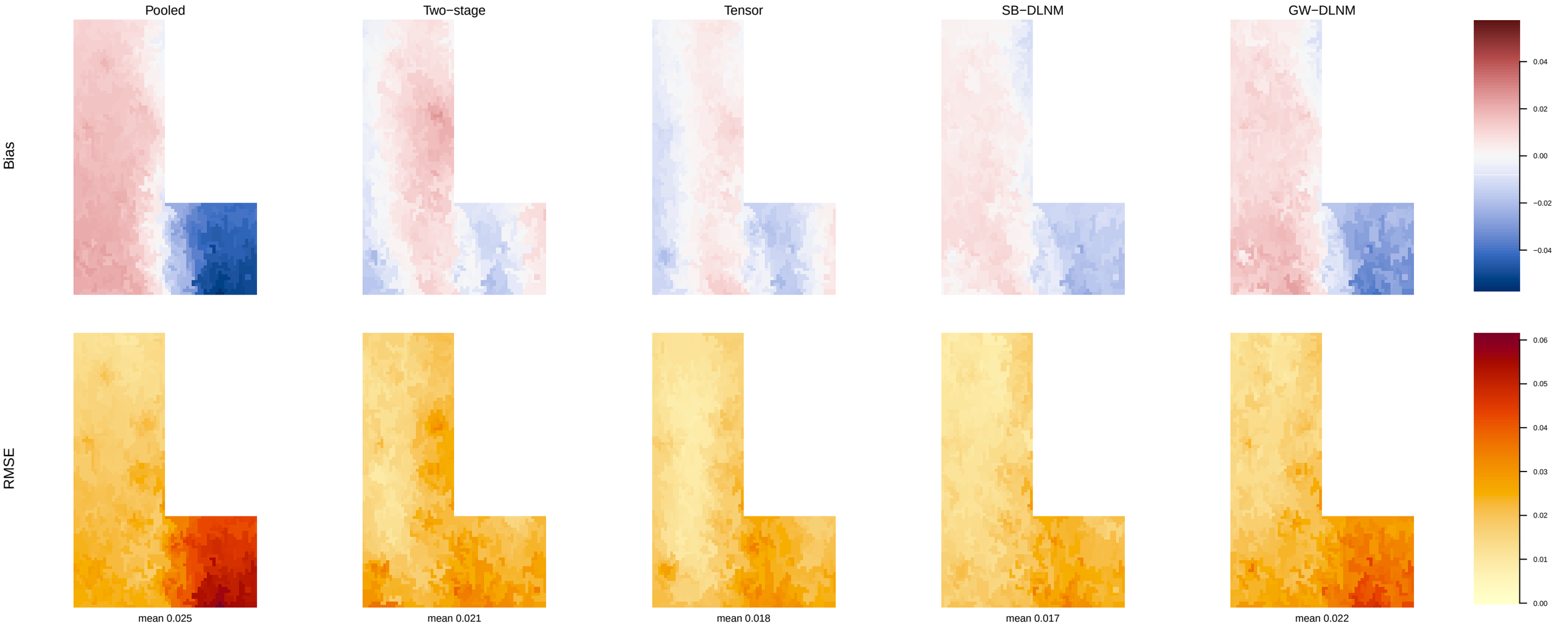
Scenario 175: L−shaped region, 480 counties, moderate inequality, regional pattern, spread 0.00, ridge gradient, linear exposure−response, event rate 8, RR 1.0, short lag



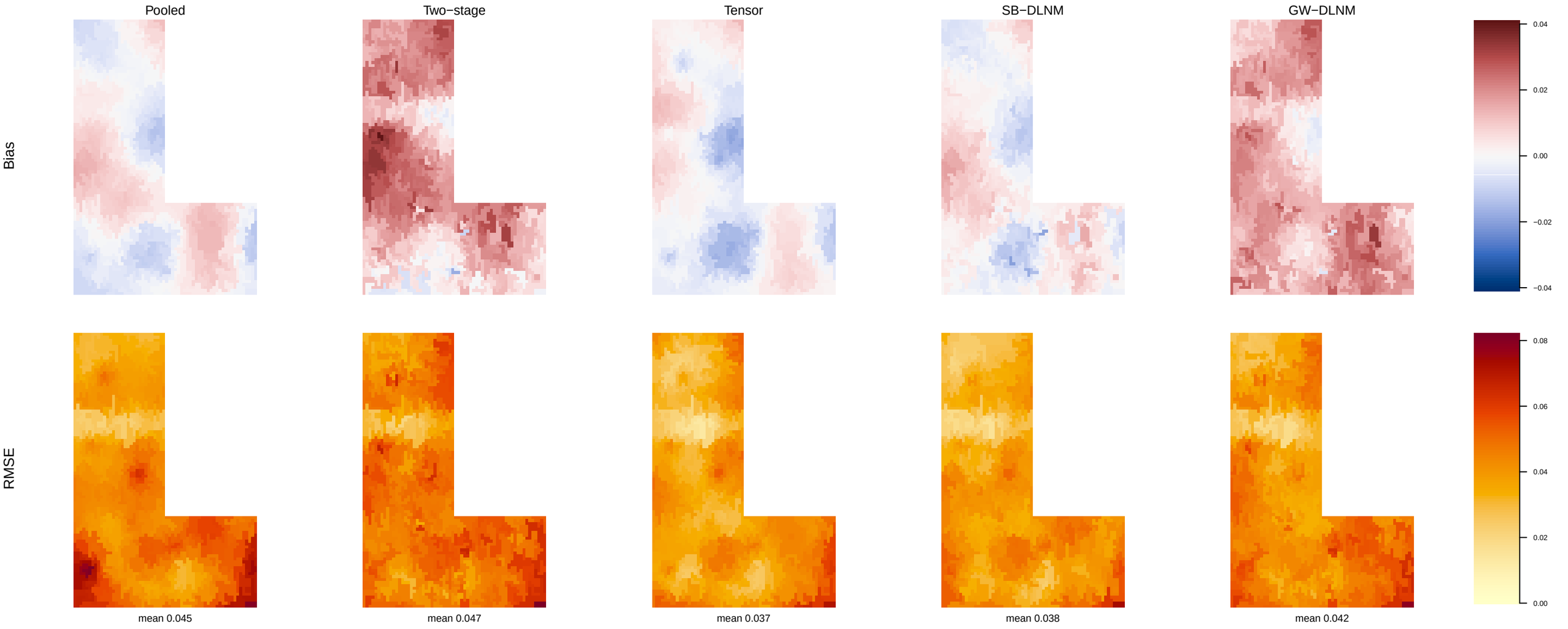
Scenario 111: L−shaped region, 480 counties, moderate inequality, local pattern, spread 0.00, valley gradient, linear exposure−response, event rate 0.125, RR 1.4, harvest lag



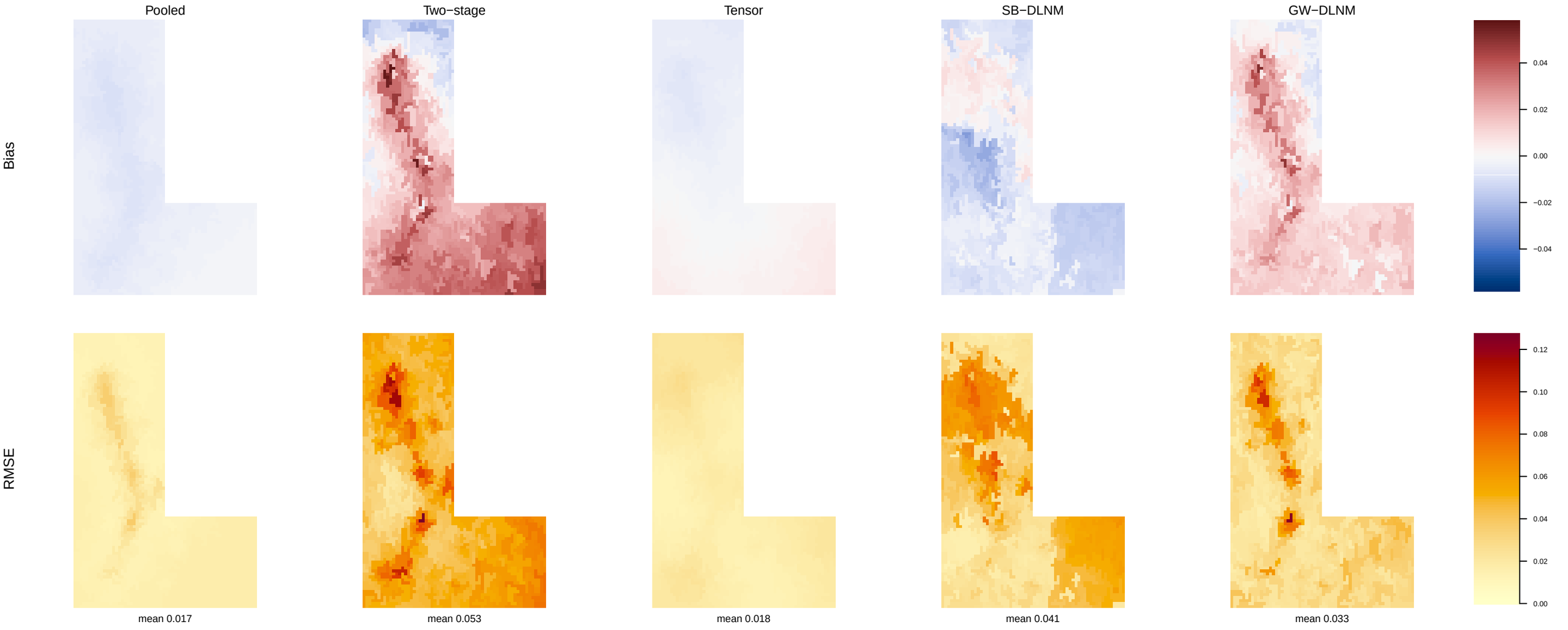
Scenario 303: L−shaped region, 480 counties, moderate inequality, independent pattern, spread 0.15, edges gradient, J exposure−response, event rate 0.125, RR 1.6, decay lag



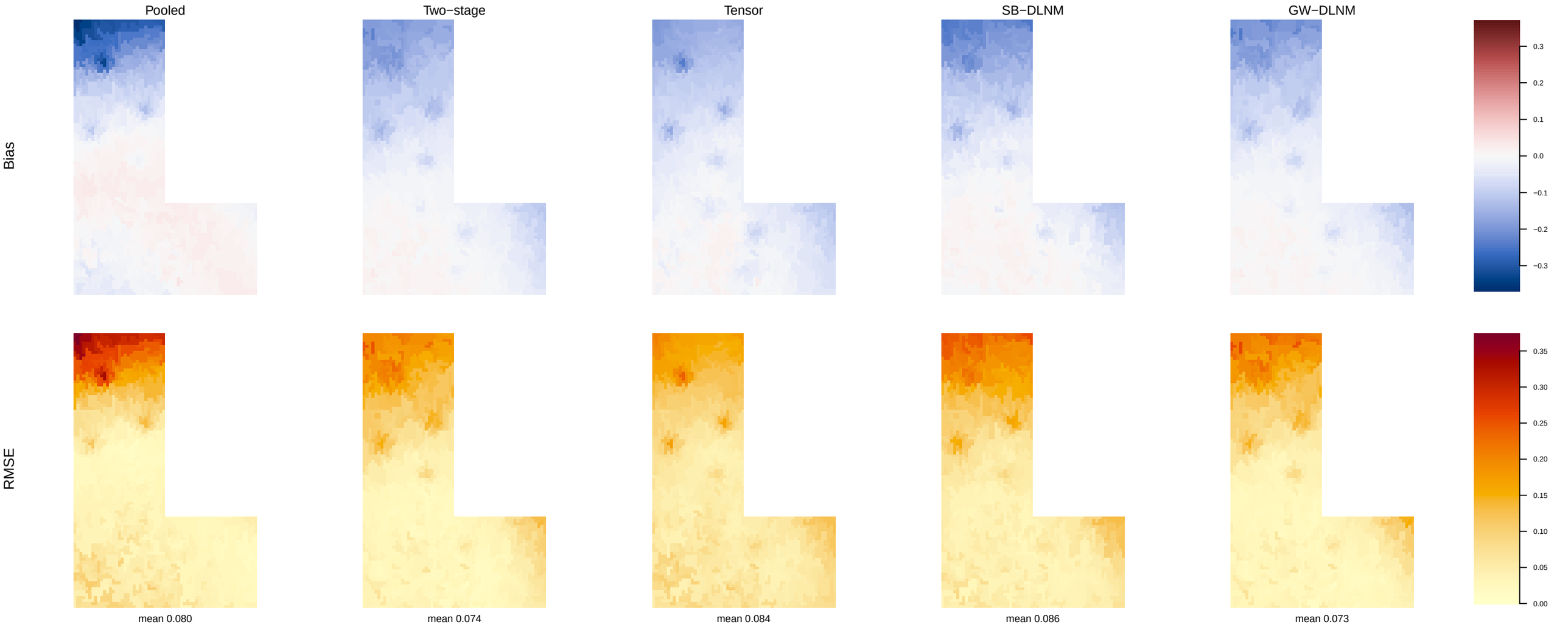
Scenario 495: L−shaped region, 480 counties, moderate inequality, boundary pattern, spread 0.15, NS gradient, J exposure−response, event rate 8, RR 1.2, delayed lag



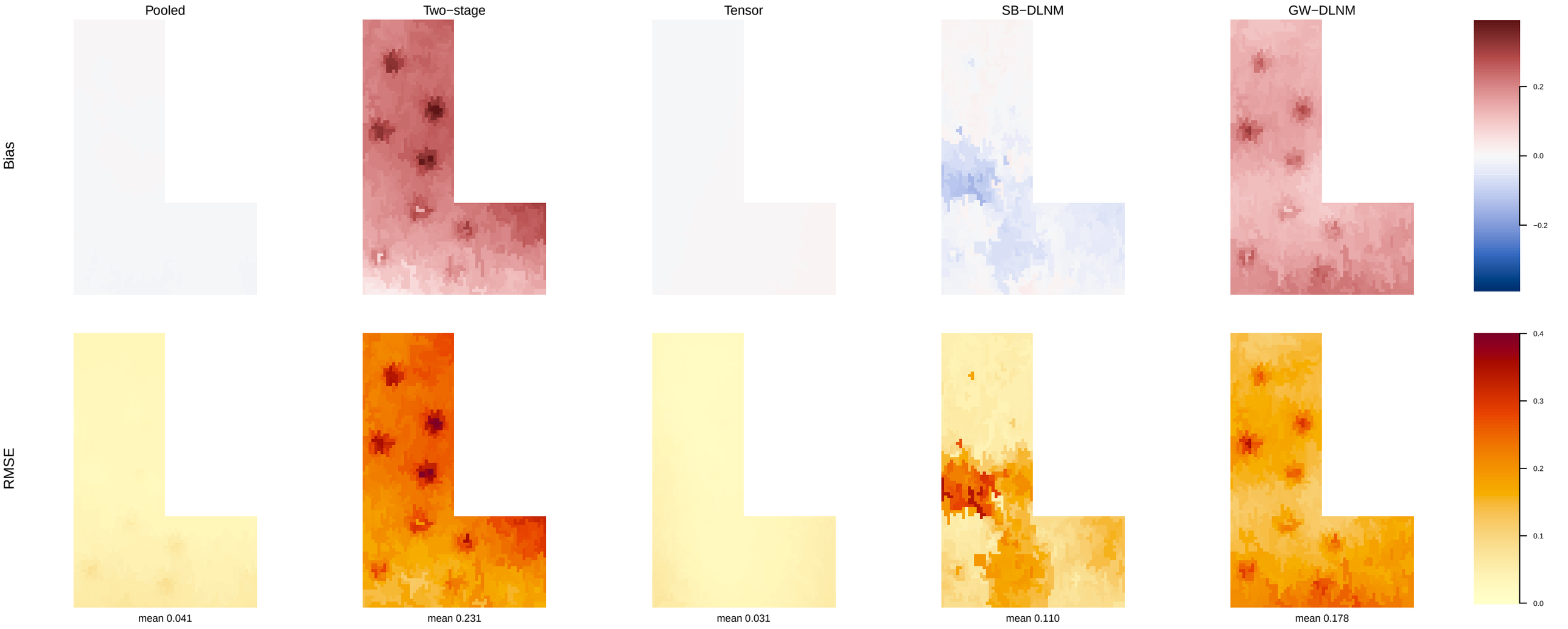
Scenario 431: L−shaped region, 480 counties, moderate inequality, regional pattern, spread 0.15, ridge gradient, J exposure−response, event rate 2, RR 1.4, harvest lag



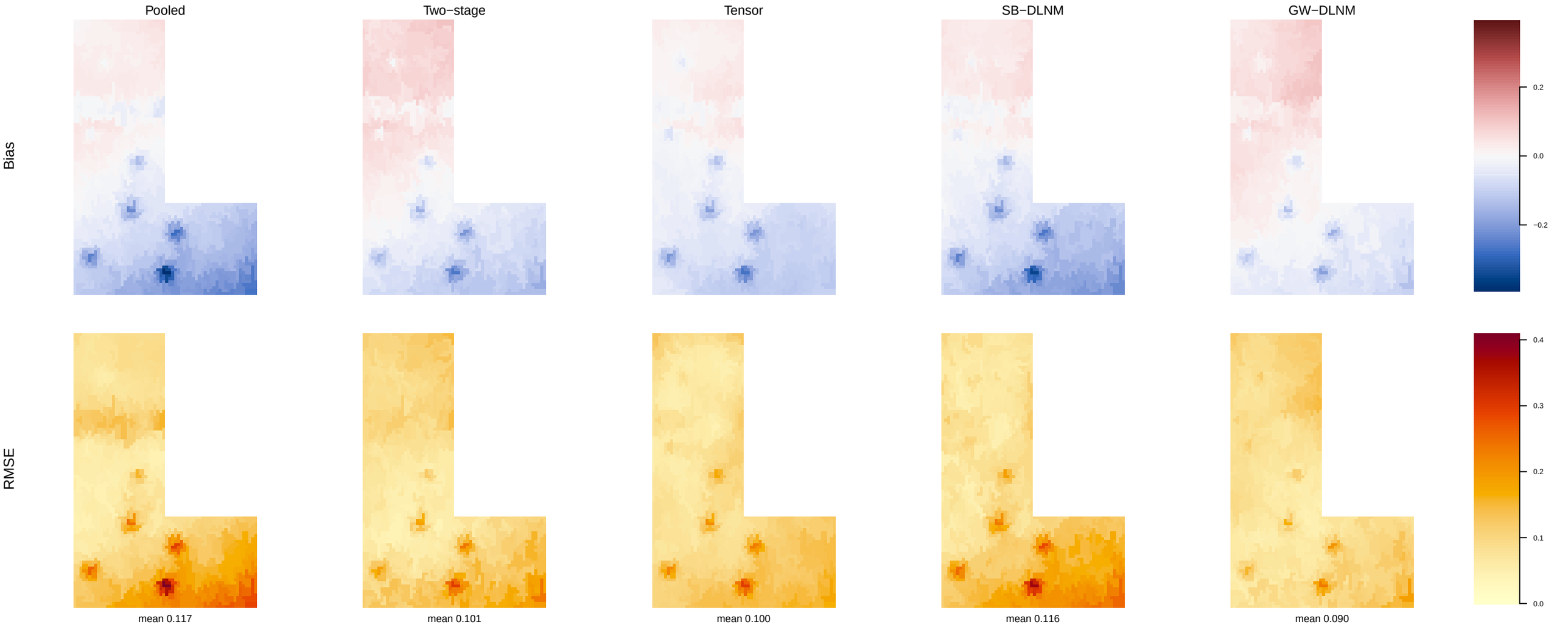
Scenario 367: L−shaped region, 480 counties, moderate inequality, local pattern, spread 0.15, valley gradient, J exposure−response, event rate 0.5, RR 1.0, short lag



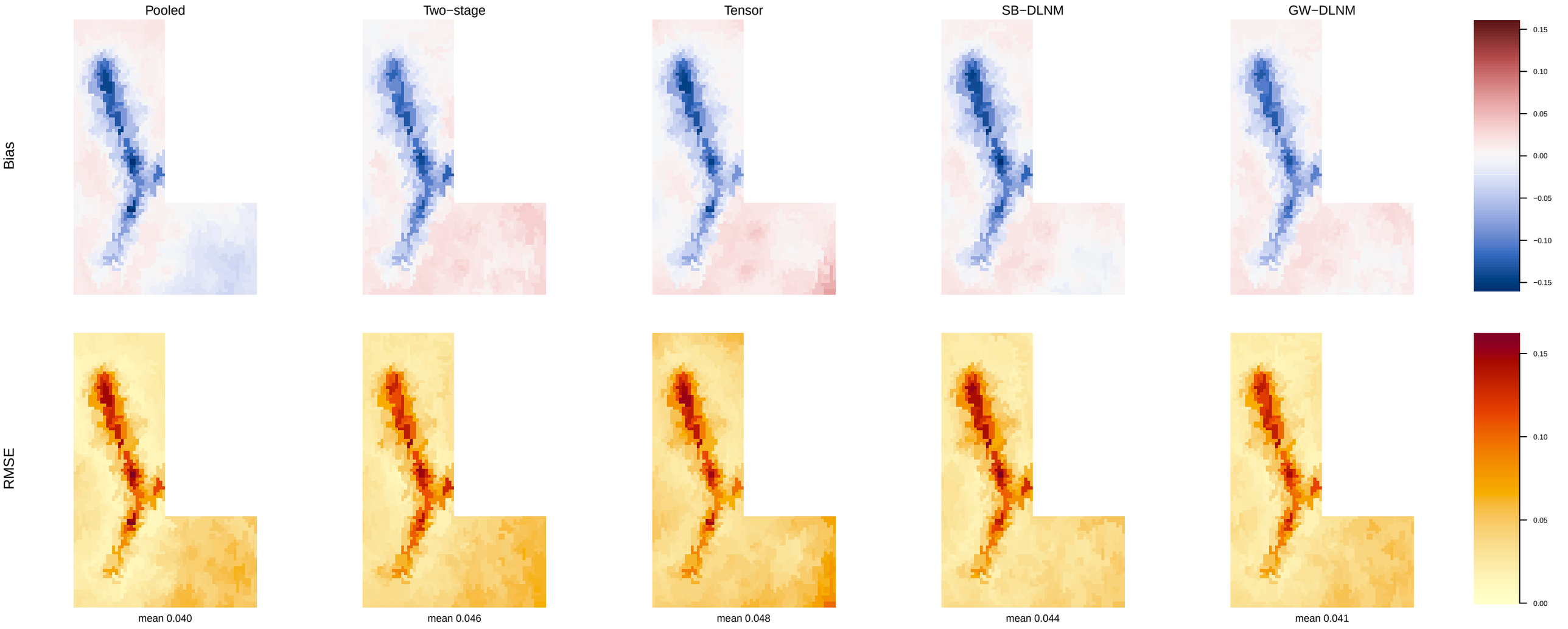
Scenario 559: L−shaped region, 480 counties, moderate inequality, independent pattern, spread 0.30, edges gradient, unimodal exposure−response, event rate 8, RR 1.4, harvest lag



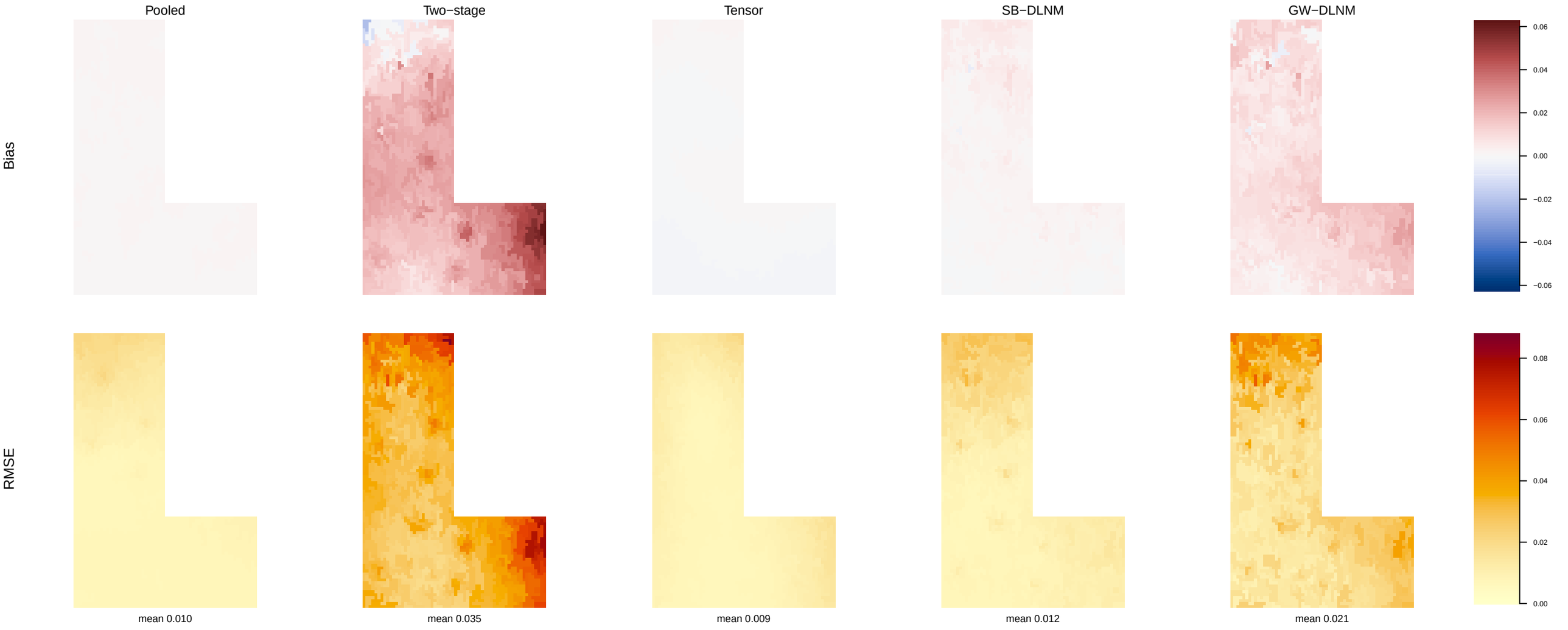
Scenario 751: L−shaped region, 480 counties, moderate inequality, boundary pattern, spread 0.30, NS gradient, unimodal exposure−response, event rate 0.125, RR 1.0, short lag



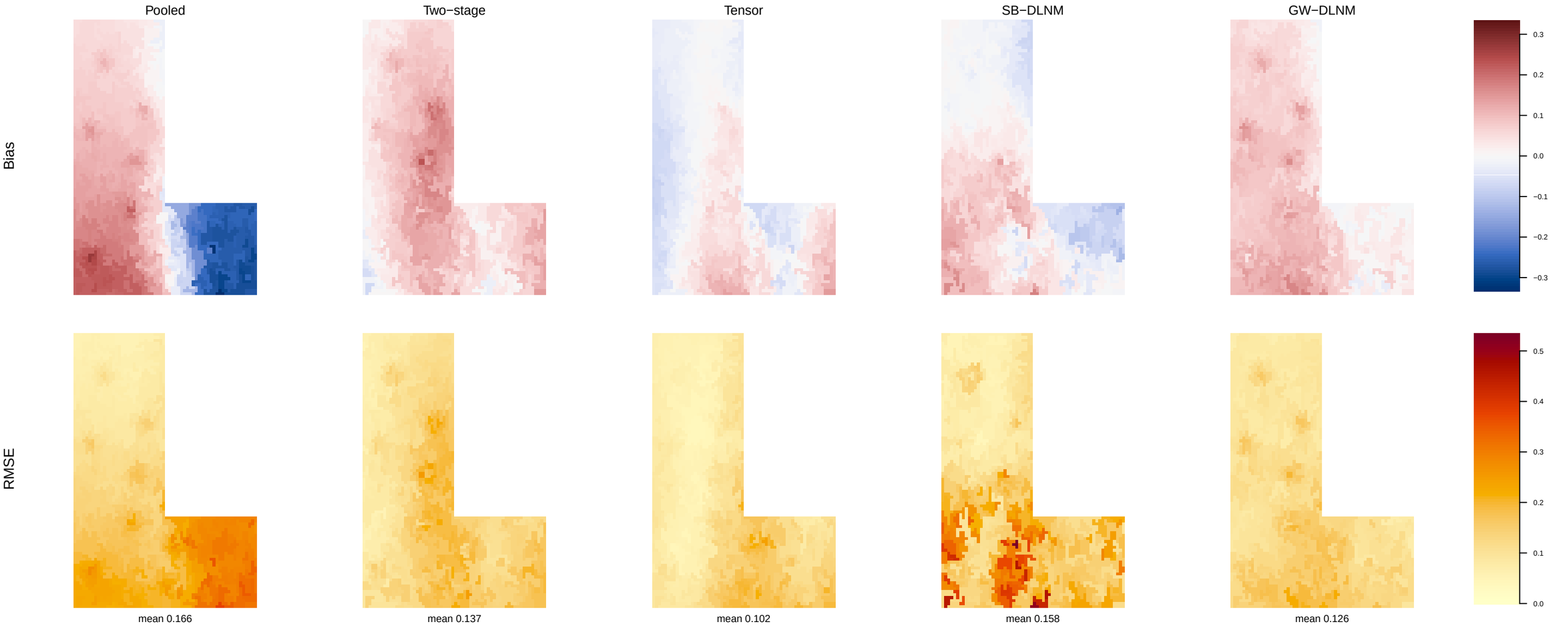
Scenario 687: L−shaped region, 480 counties, moderate inequality, regional pattern, spread 0.30, ridge gradient, unimodal exposure−response, event rate 0.5, RR 1.6, decay lag



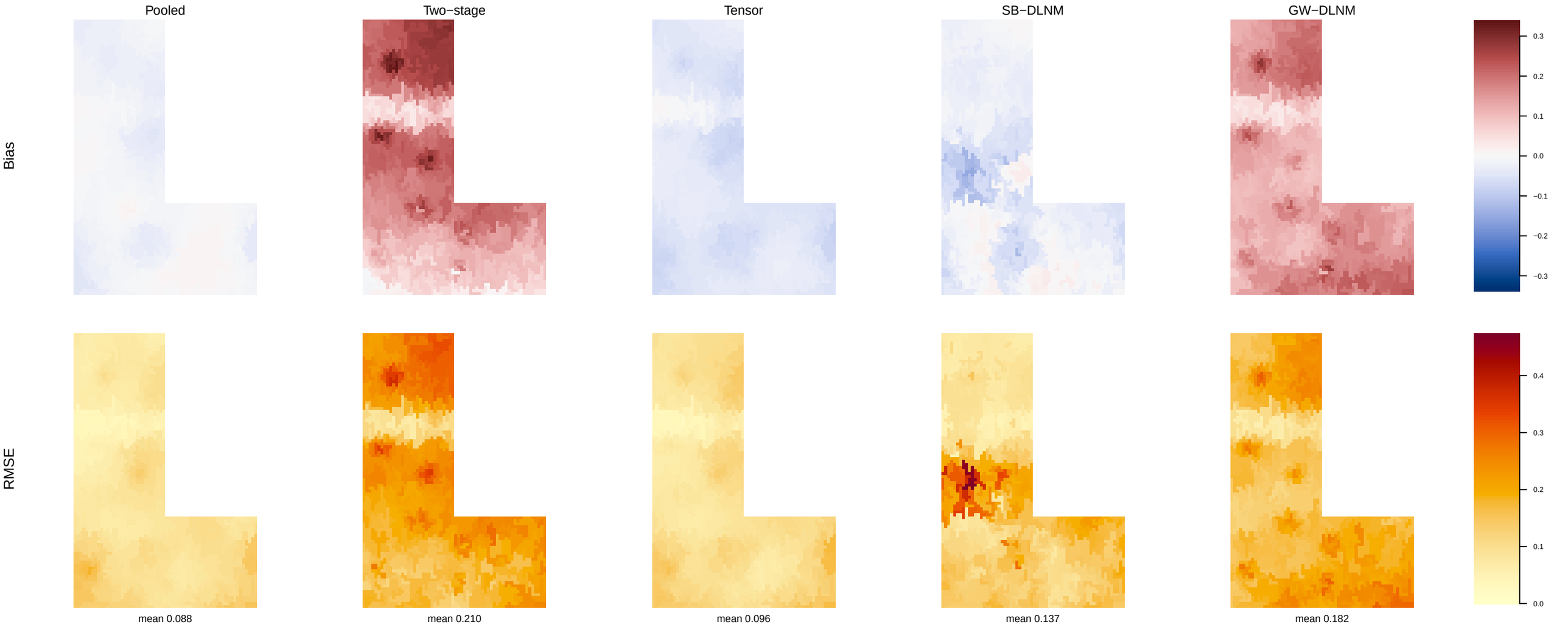
Scenario 623: L−shaped region, 480 counties, moderate inequality, local pattern, spread 0.30, valley gradient, unimodal exposure−response, event rate 2, RR 1.2, delayed lag



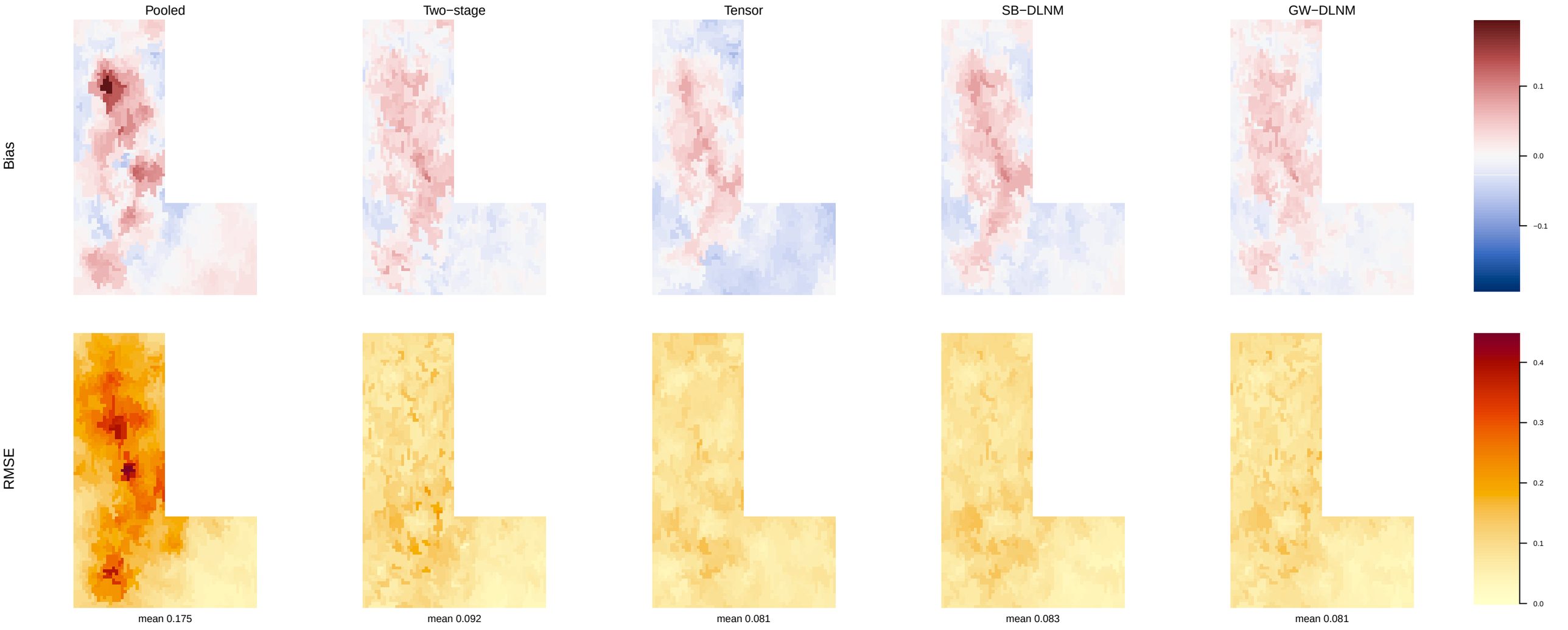
Scenario 815: L−shaped region, 480 counties, moderate inequality, independent pattern, spread 0.50, edges gradient, threshold exposure−response, event rate 2, RR 1.0, short lag



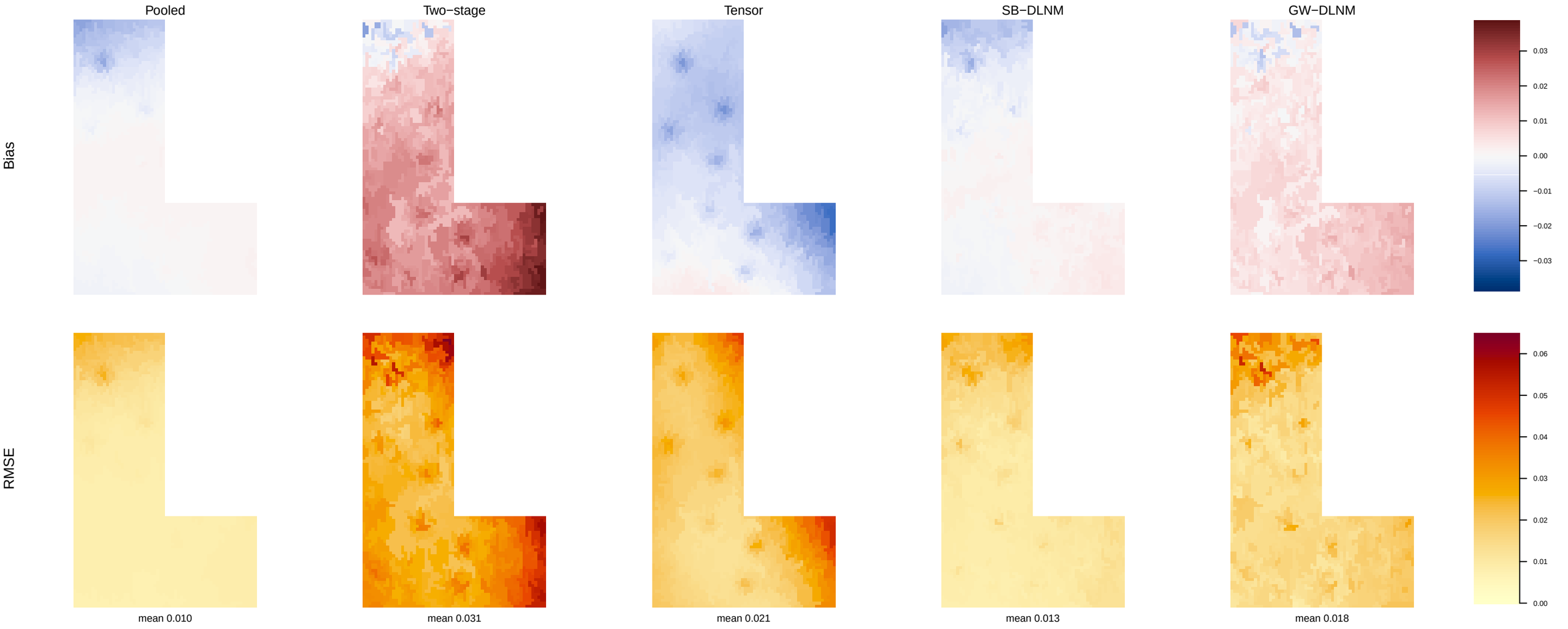
Scenario 1007: L−shaped region, 480 counties, moderate inequality, boundary pattern, spread 0.50, NS gradient, threshold exposure−response, event rate 0.5, RR 1.4, harvest lag



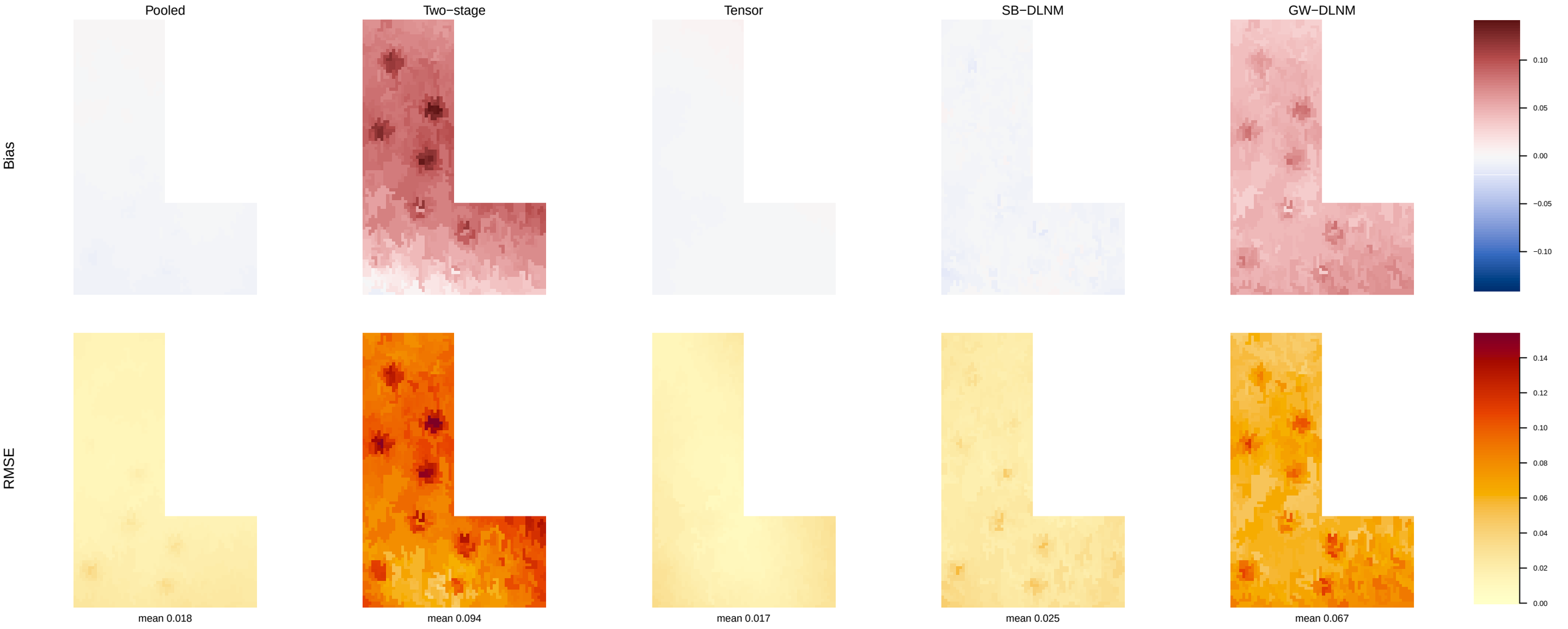
Scenario 943: L−shaped region, 480 counties, moderate inequality, regional pattern, spread 0.50, ridge gradient, threshold exposure−response, event rate 0.125, RR 1.2, delayed lag



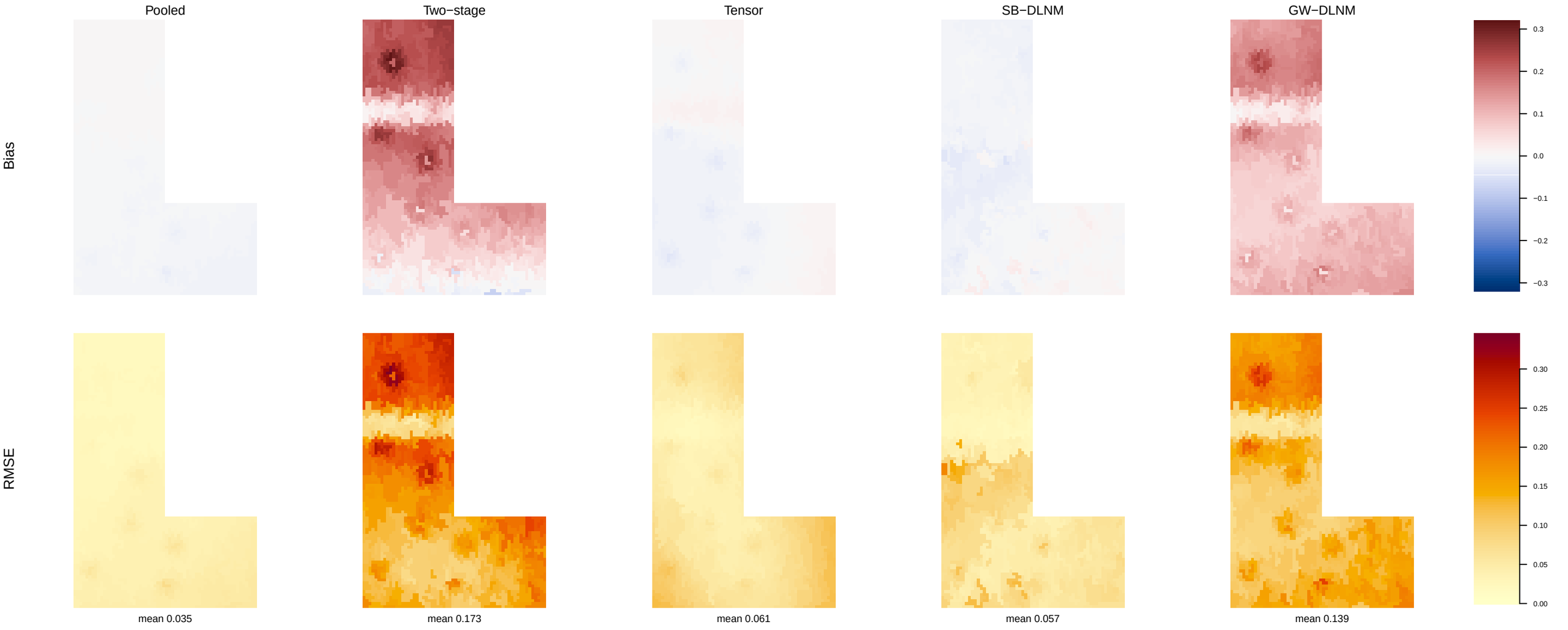
Scenario 879: L−shaped region, 480 counties, moderate inequality, local pattern, spread 0.50, valley gradient, threshold exposure−response, event rate 8, RR 1.6, decay lag



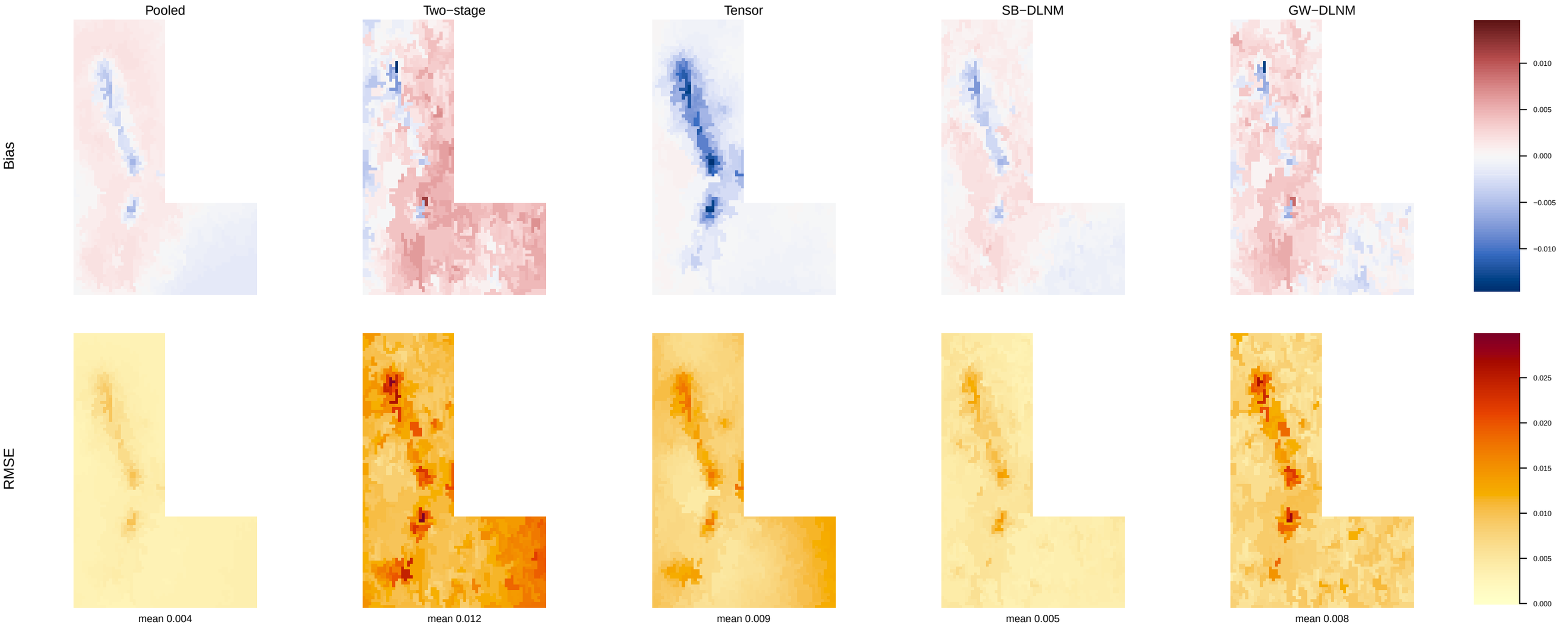
Scenario 127: L−shaped region, 480 counties, extreme inequality, local pattern, spread 0.00, edges gradient, J exposure−response, event rate 2, RR 1.4, short lag



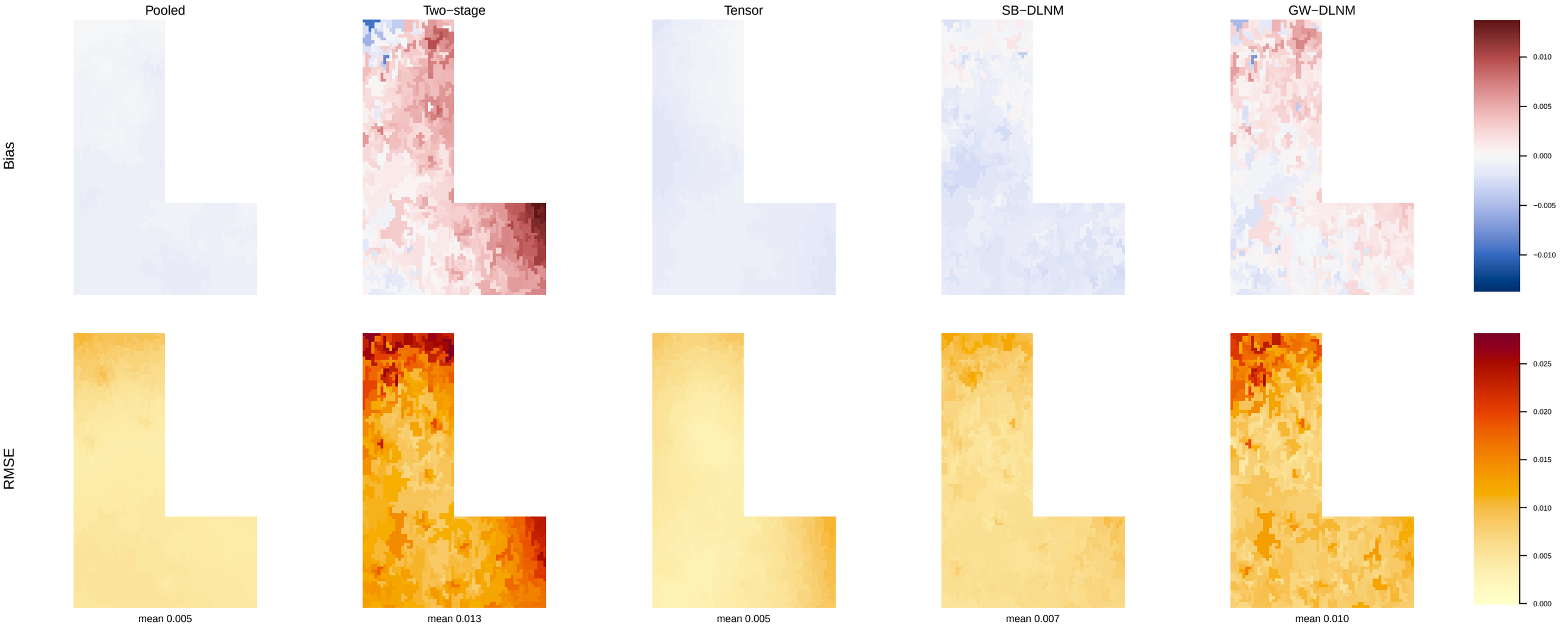
Scenario 191: L−shaped region, 480 counties, extreme inequality, regional pattern, spread 0.00, NS gradient, J exposure−response, event rate 0.5, RR 1.0, harvest lag



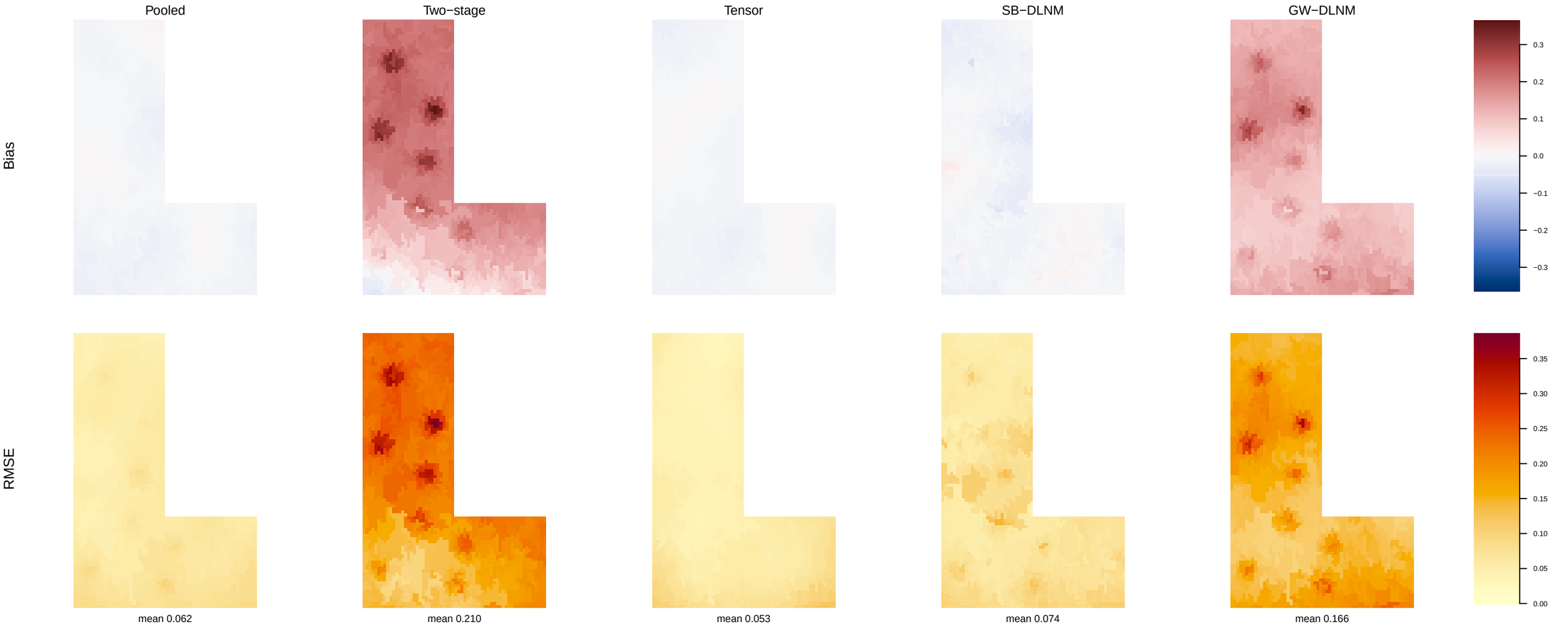
Scenario 255: L−shaped region, 480 counties, extreme inequality, boundary pattern, spread 0.00, ridge gradient, J exposure−response, event rate 0.125, RR 1.6, delayed lag



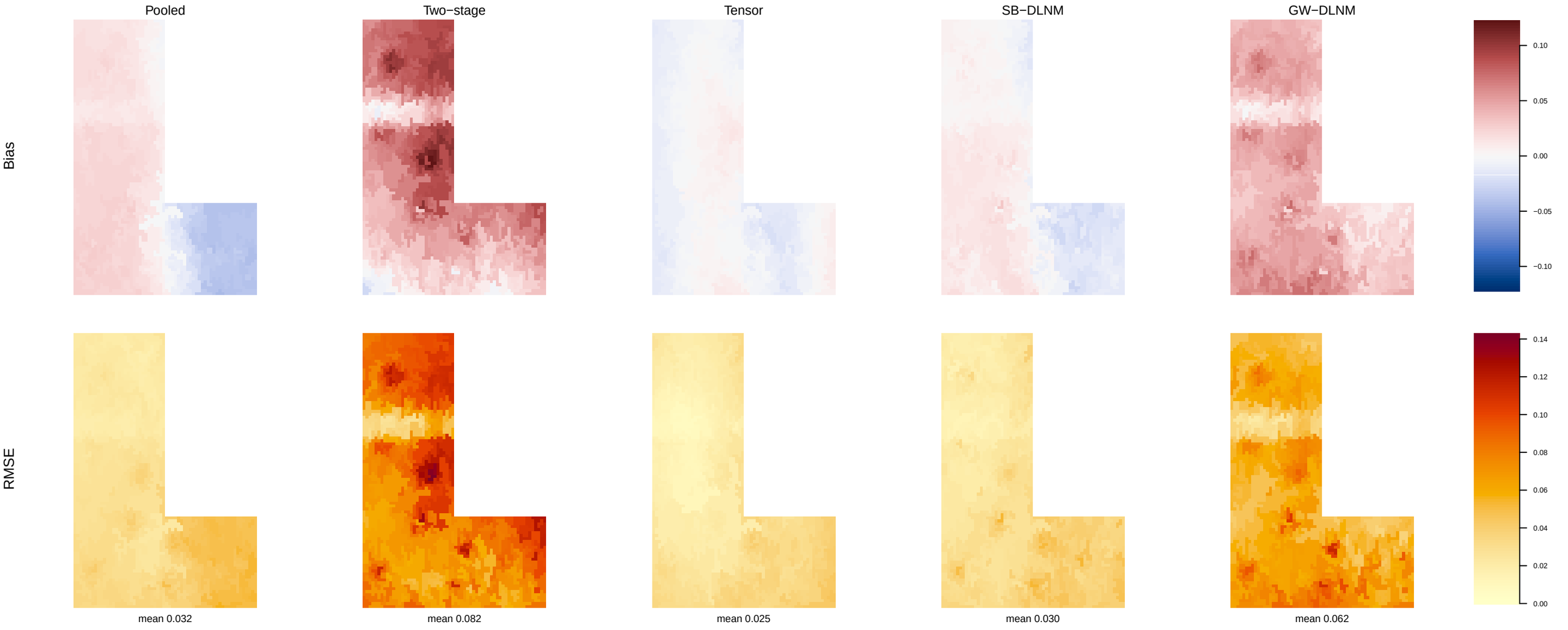
Scenario 63: L−shaped region, 480 counties, extreme inequality, independent pattern, spread 0.00, valley gradient, J exposure−response, event rate 8, RR 1.2, decay lag



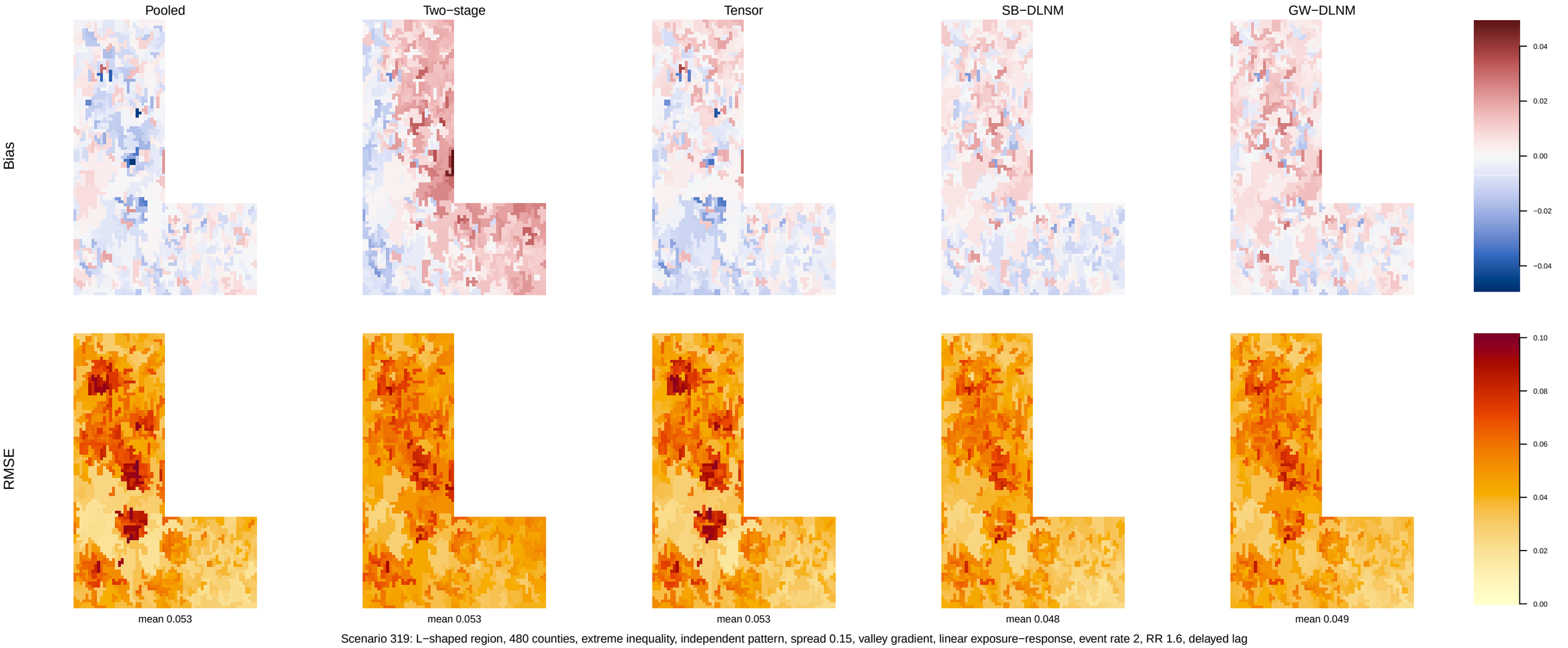
Scenario 383: L−shaped region, 480 counties, extreme inequality, local pattern, spread 0.15, edges gradient, linear exposure−response, event rate 8, RR 1.0, harvest lag



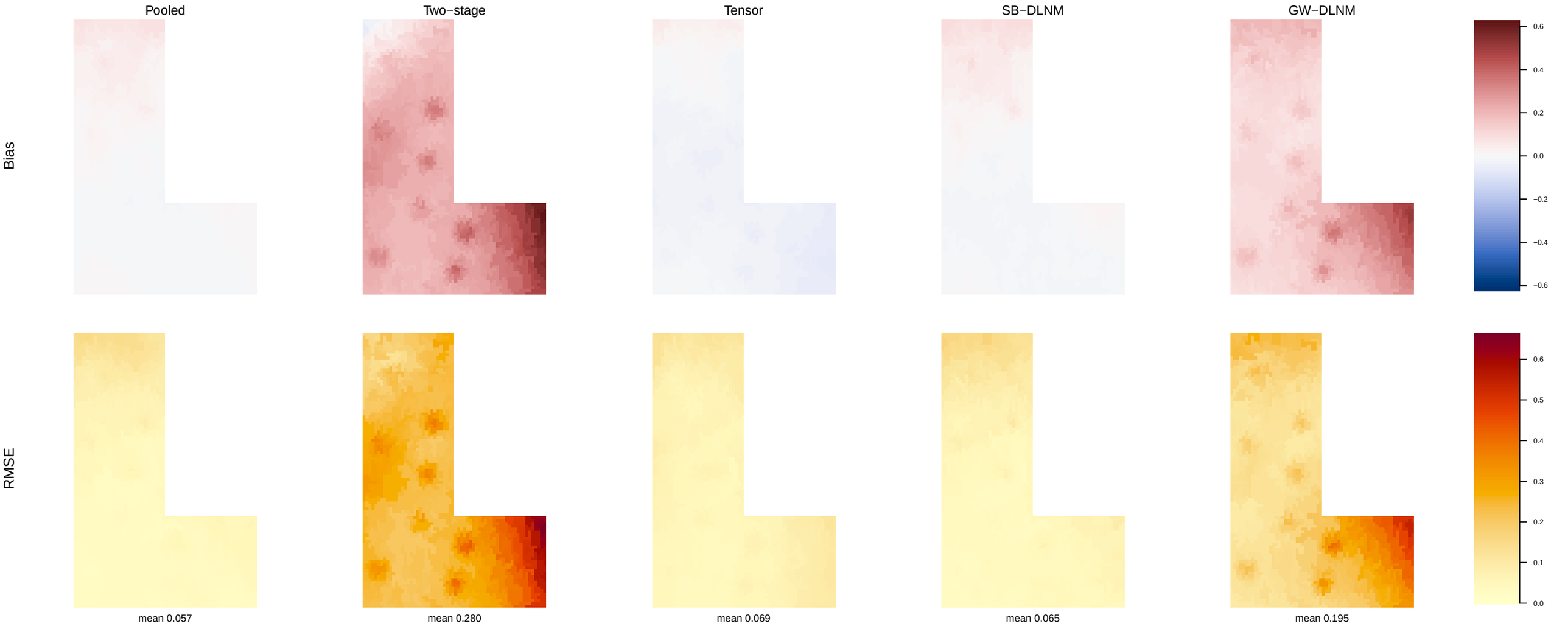
Scenario 447: L−shaped region, 480 counties, extreme inequality, regional pattern, spread 0.15, NS gradient, linear exposure−response, event rate 0.125, RR 1.4, short lag



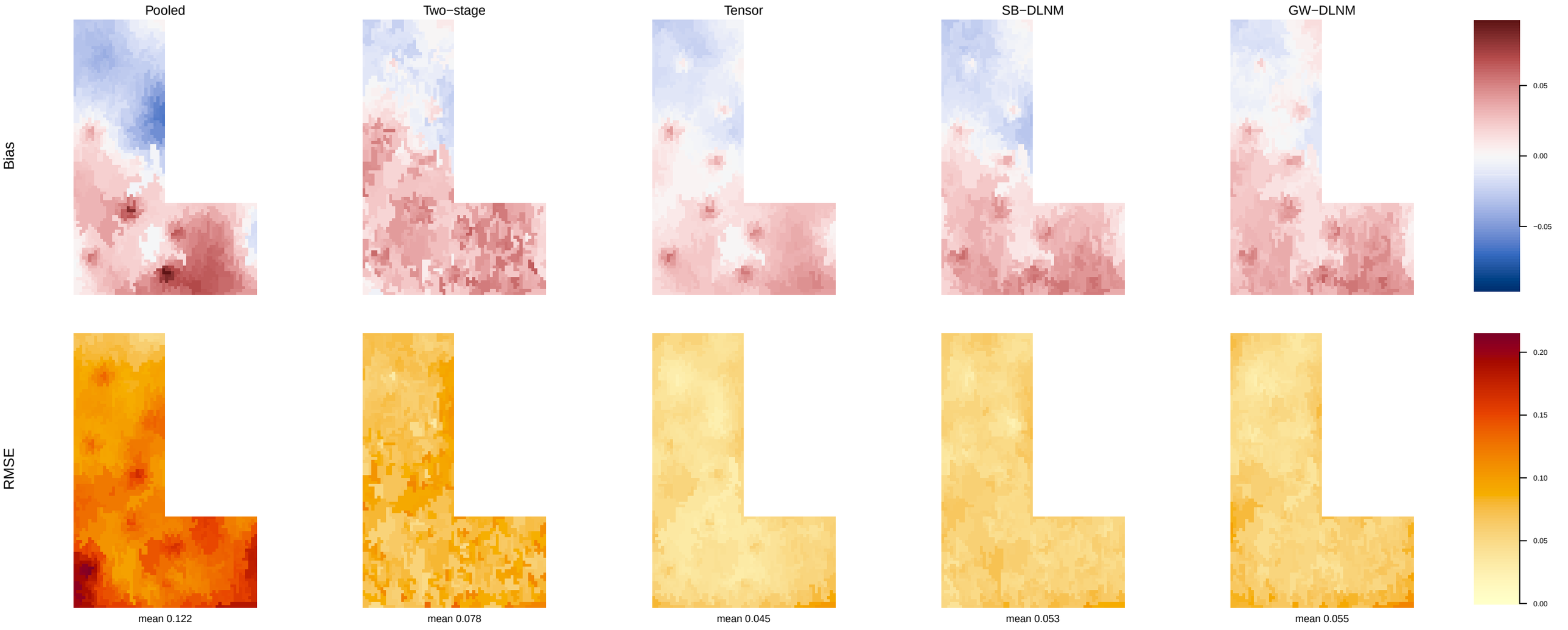
Scenario 511: L−shaped region, 480 counties, extreme inequality, boundary pattern, spread 0.15, ridge gradient, linear exposure−response, event rate 0.5, RR 1.2, decay lag



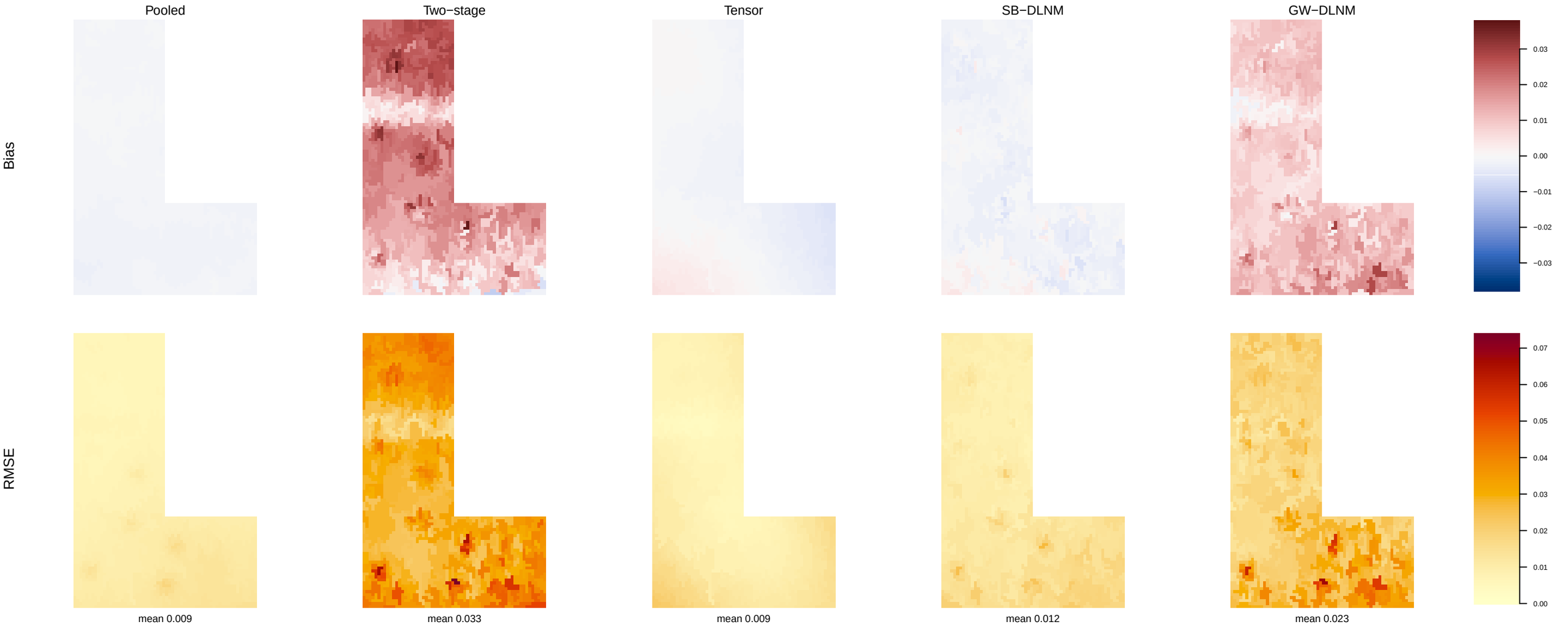
Scenario 319: L−shaped region, 480 counties, extreme inequality, independent pattern, spread 0.15, valley gradient, linear exposure−response, event rate 2, RR 1.6, delayed lag



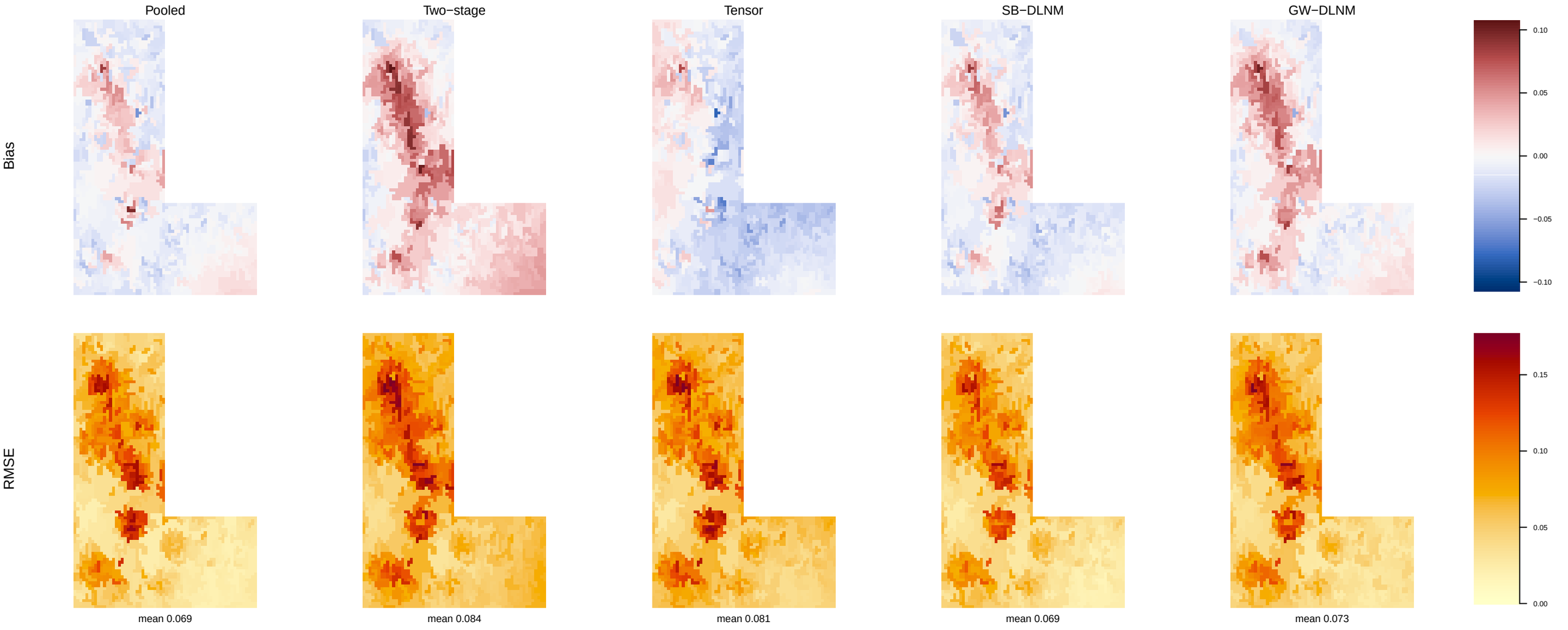
Scenario 639: L−shaped region, 480 counties, extreme inequality, local pattern, spread 0.30, edges gradient, threshold exposure−response, event rate 0.125, RR 1.2, decay lag



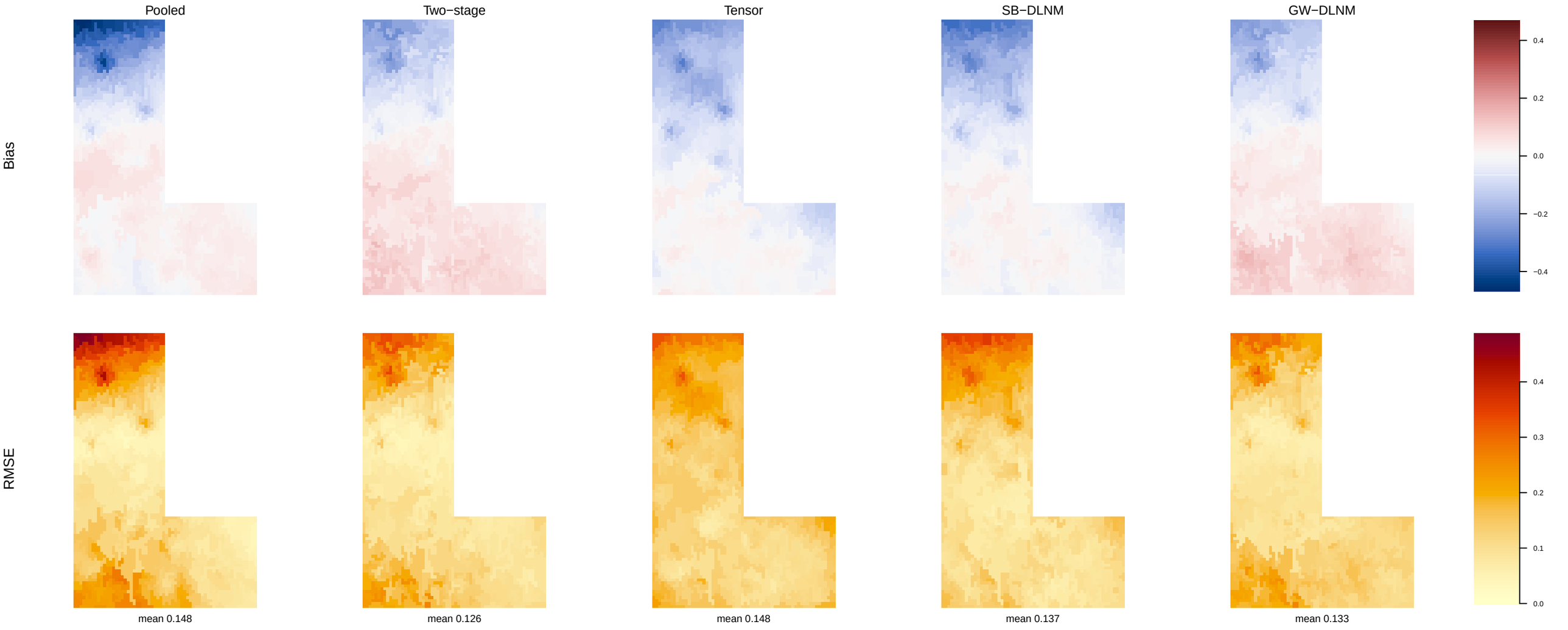
Scenario 703: L−shaped region, 480 counties, extreme inequality, regional pattern, spread 0.30, NS gradient, threshold exposure−response, event rate 8, RR 1.6, delayed lag



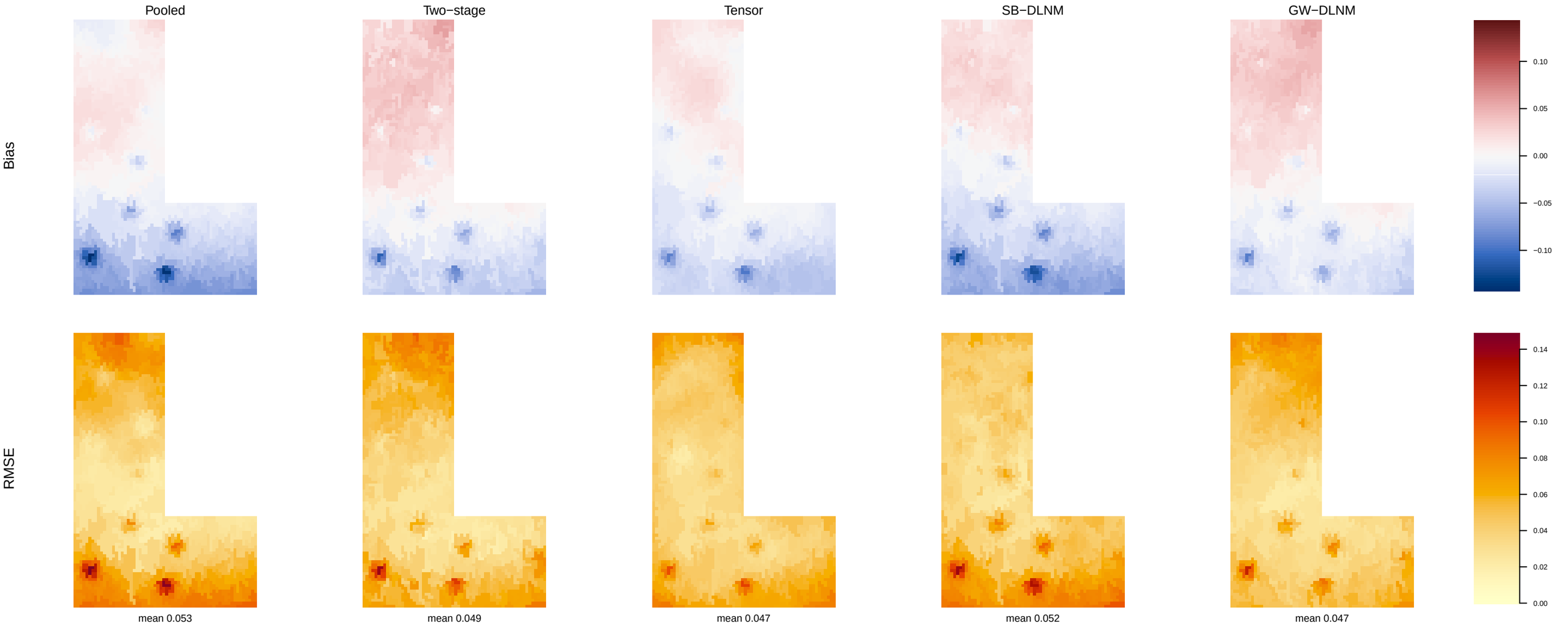
Scenario 767: L−shaped region, 480 counties, extreme inequality, boundary pattern, spread 0.30, ridge gradient, threshold exposure−response, event rate 2, RR 1.0, harvest lag



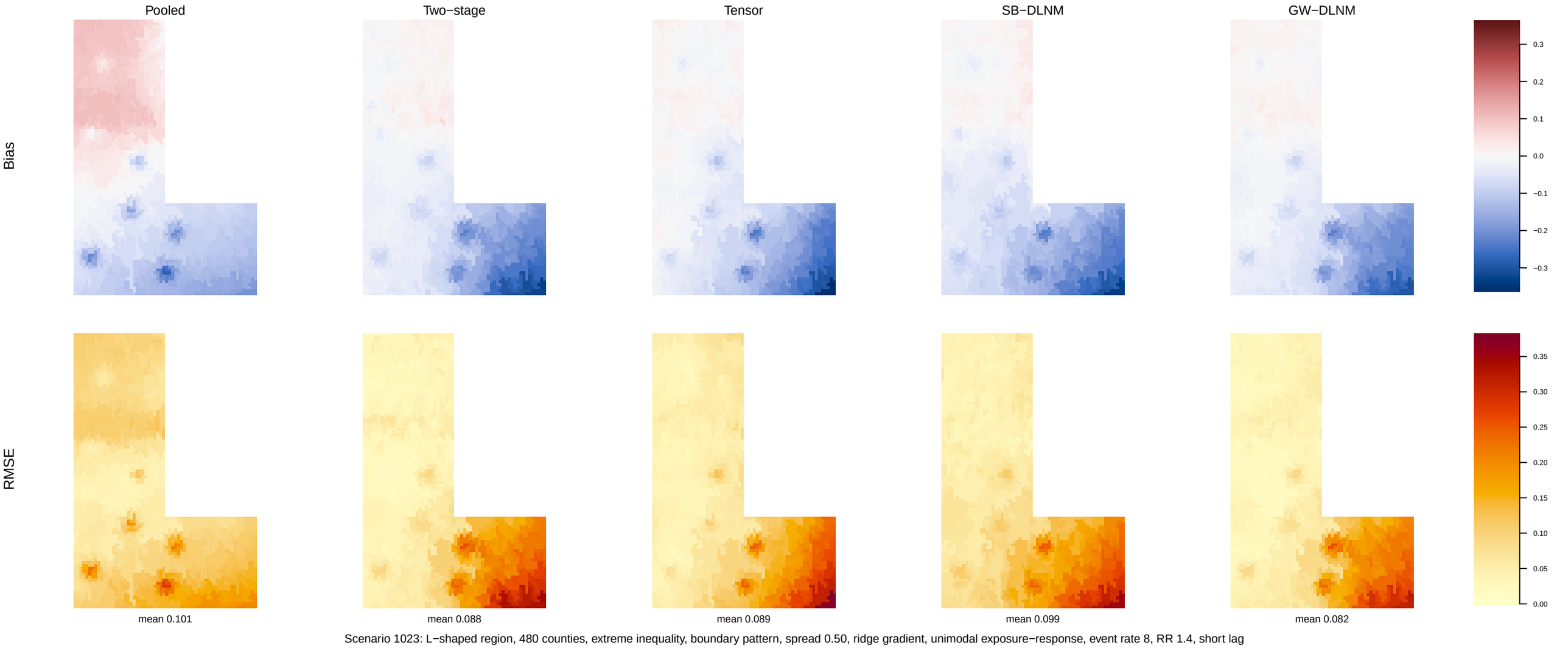
Scenario 575: L−shaped region, 480 counties, extreme inequality, independent pattern, spread 0.30, valley gradient, threshold exposure−response, event rate 0.5, RR 1.4, short lag



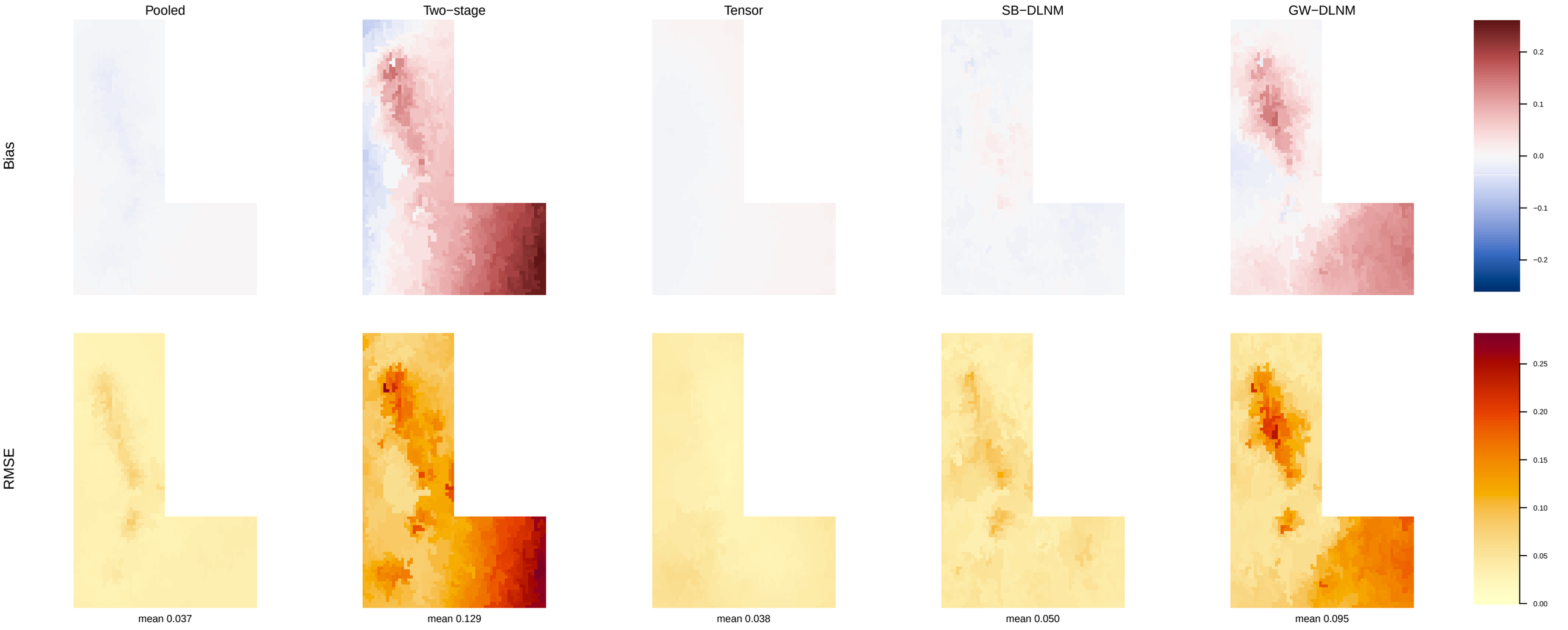
Scenario 895: L−shaped region, 480 counties, extreme inequality, local pattern, spread 0.50, edges gradient, unimodal exposure−response, event rate 0.5, RR 1.6, delayed lag



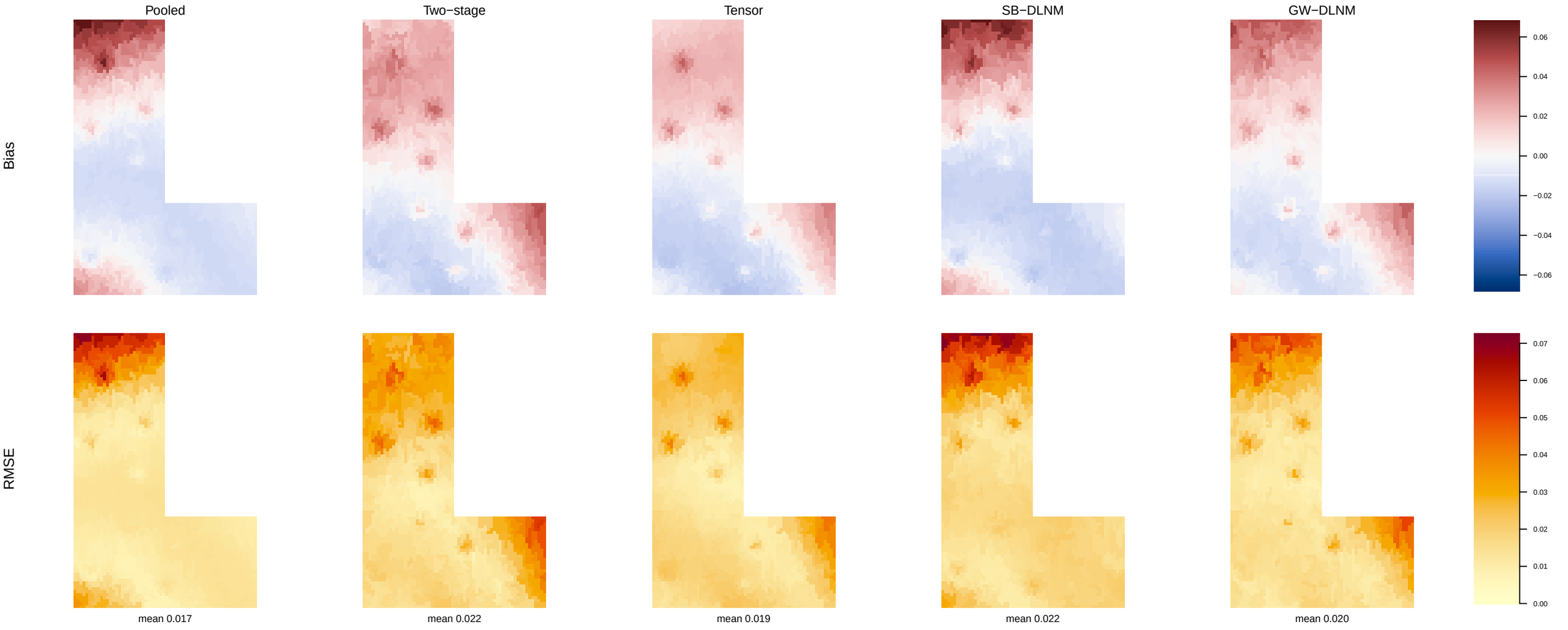
Scenario 959: L−shaped region, 480 counties, extreme inequality, regional pattern, spread 0.50, NS gradient, unimodal exposure−response, event rate 2, RR 1.2, decay lag



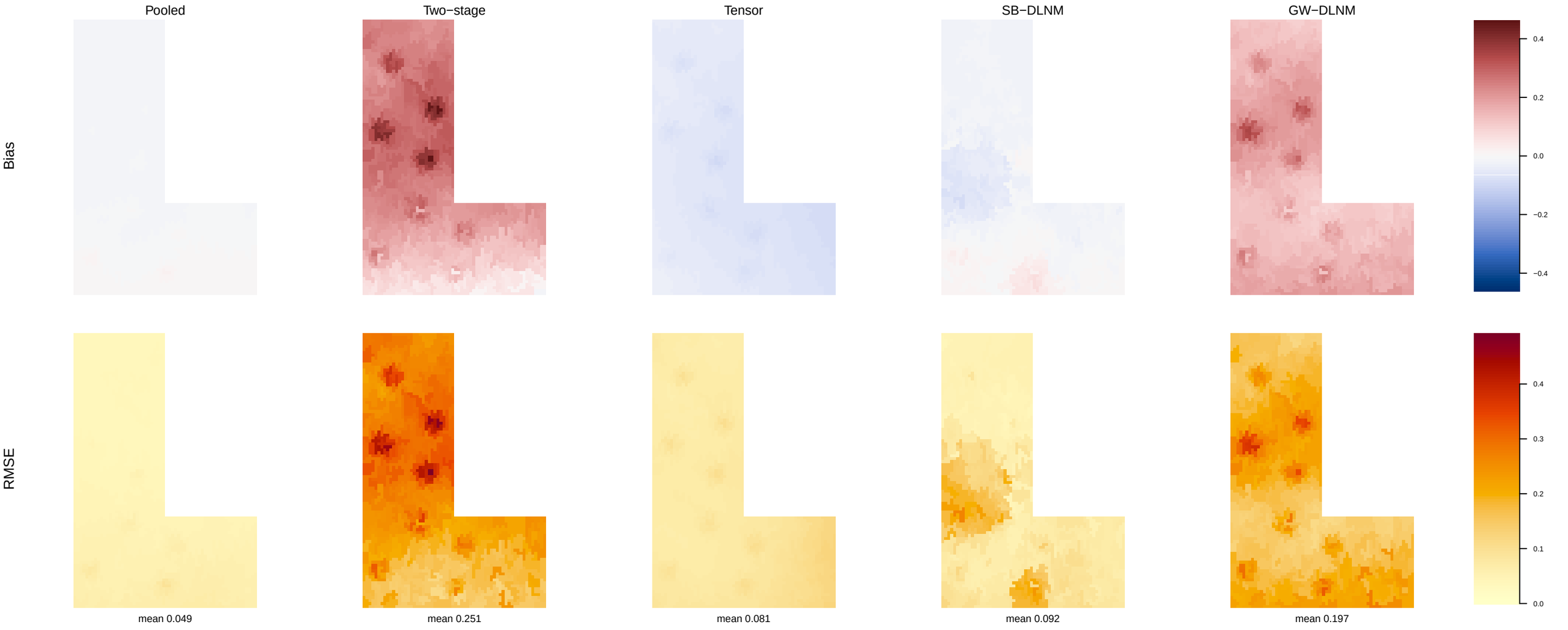
Scenario 1023: L−shaped region, 480 counties, extreme inequality, boundary pattern, spread 0.50, ridge gradient, unimodal exposure−response, event rate 8, RR 1.4, short lag



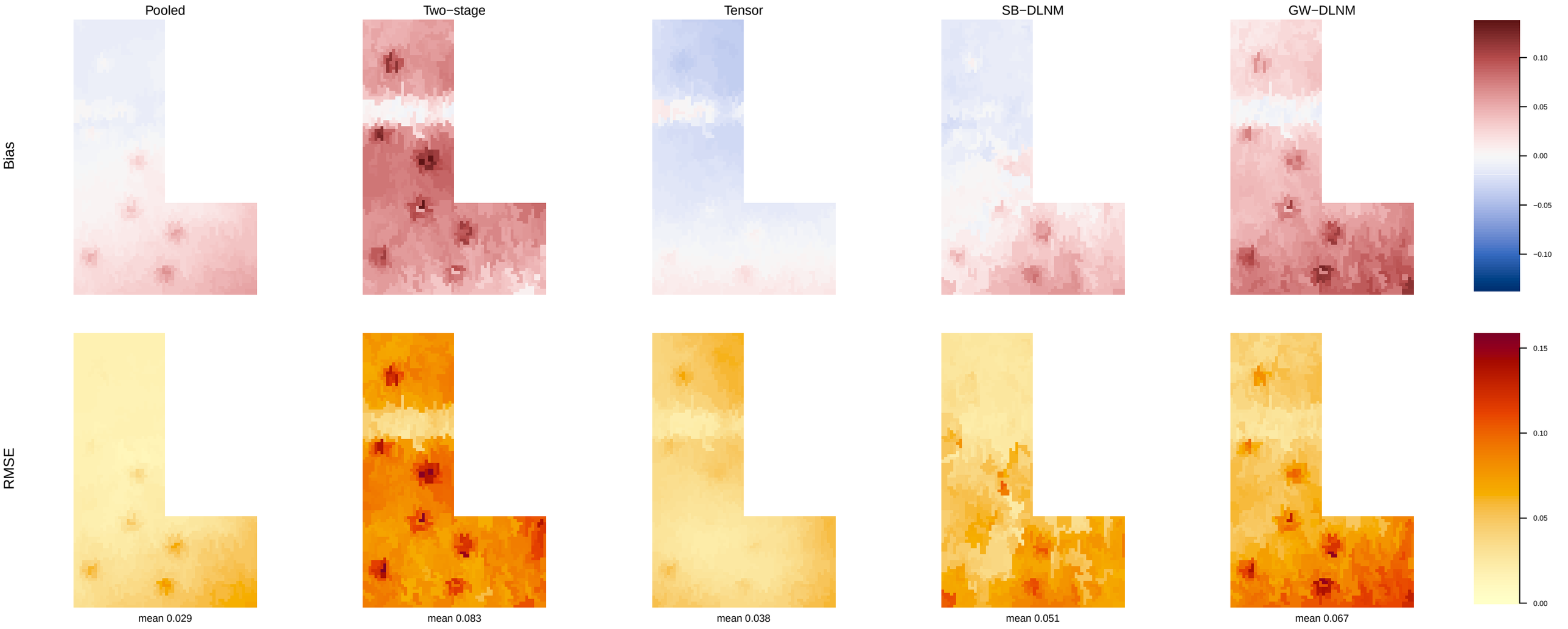
Scenario 831: L−shaped region, 480 counties, extreme inequality, independent pattern, spread 0.50, valley gradient, unimodal exposure−response, event rate 0.125, RR 1.0, harvest lag



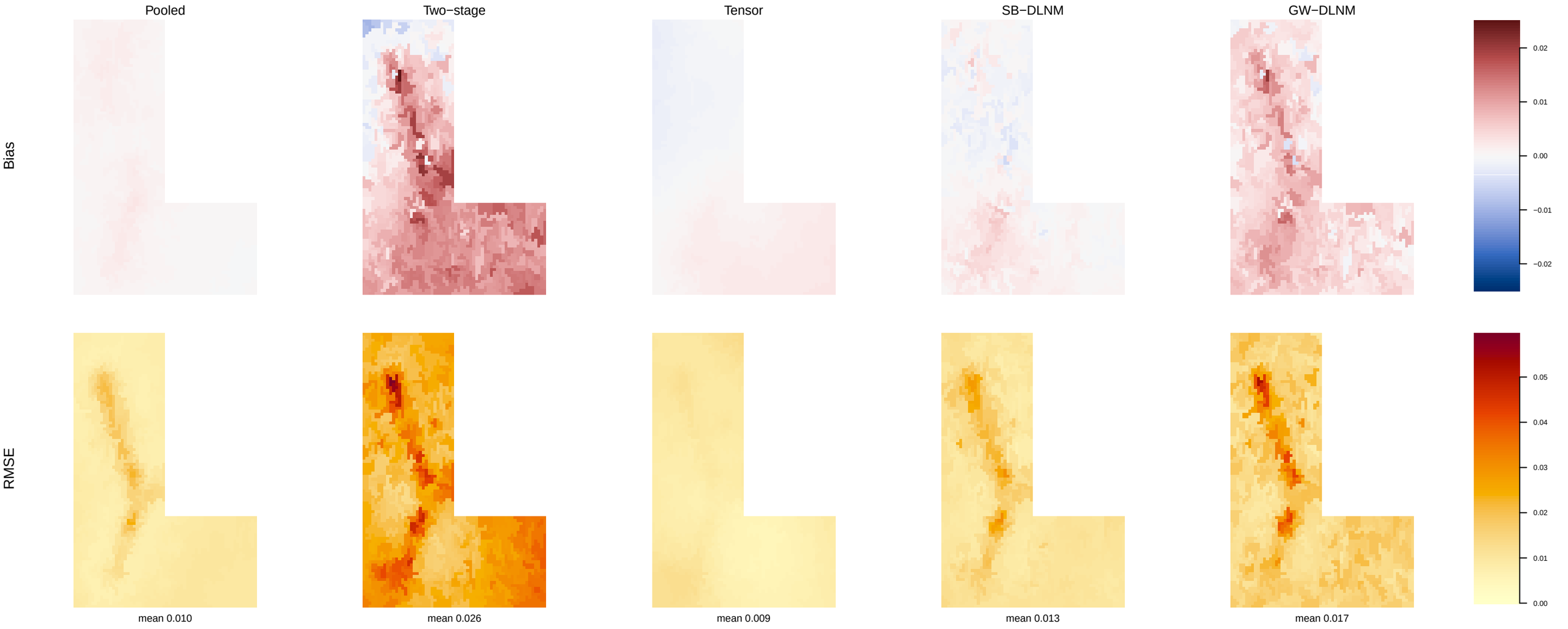
Scenario 223: L−shaped region, 480 counties, mild inequality, boundary pattern, spread 0.00, edges gradient, threshold exposure−response, event rate 8, RR 1.6, harvest lag



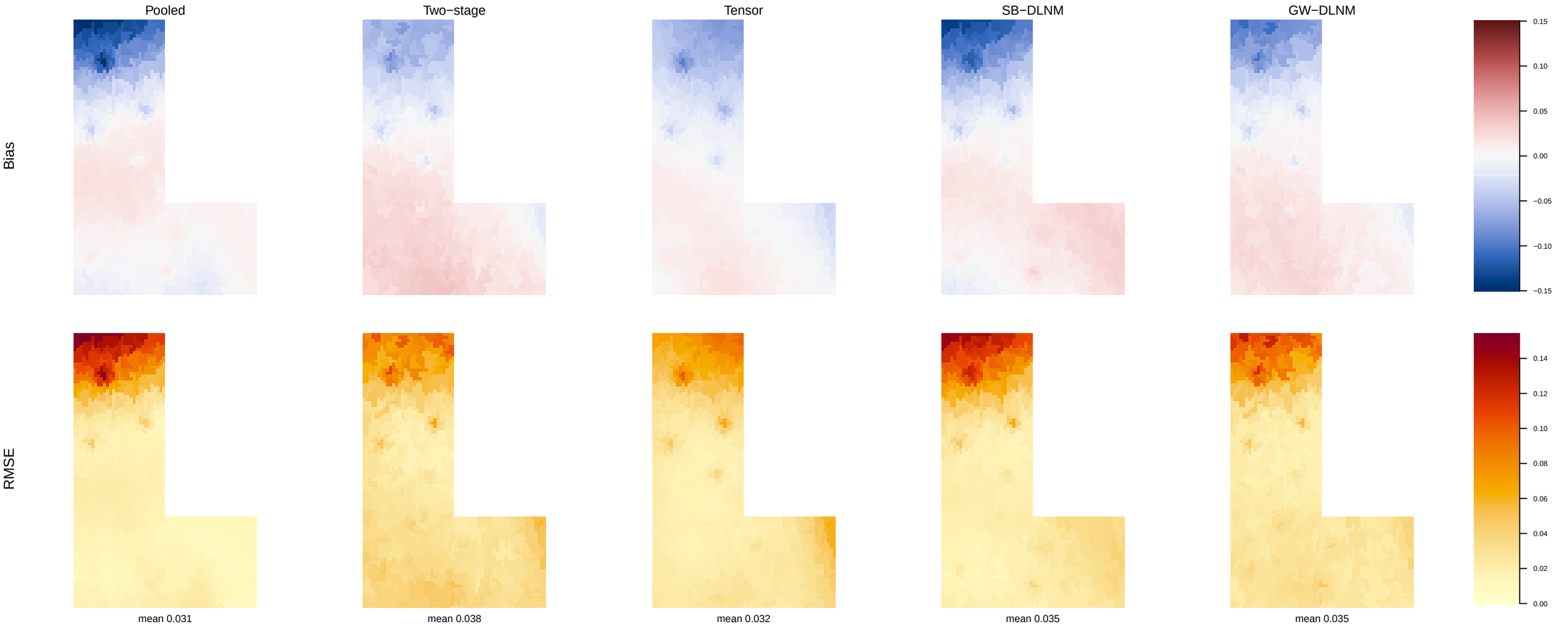
Scenario 31: L−shaped region, 480 counties, mild inequality, independent pattern, spread 0.00, NS gradient, threshold exposure−response, event rate 0.125, RR 1.2, short lag



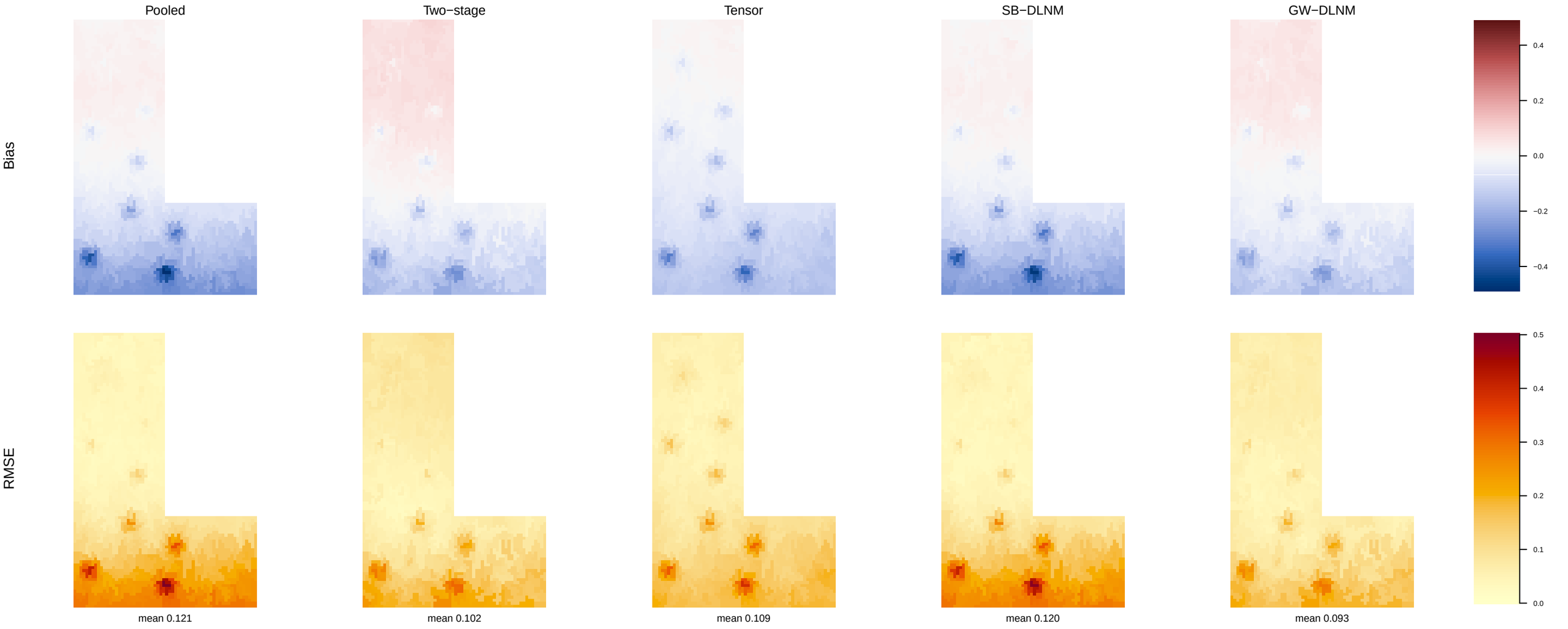
Scenario 95: L−shaped region, 480 counties, mild inequality, local pattern, spread 0.00, ridge gradient, threshold exposure−response, event rate 0.5, RR 1.4, decay lag



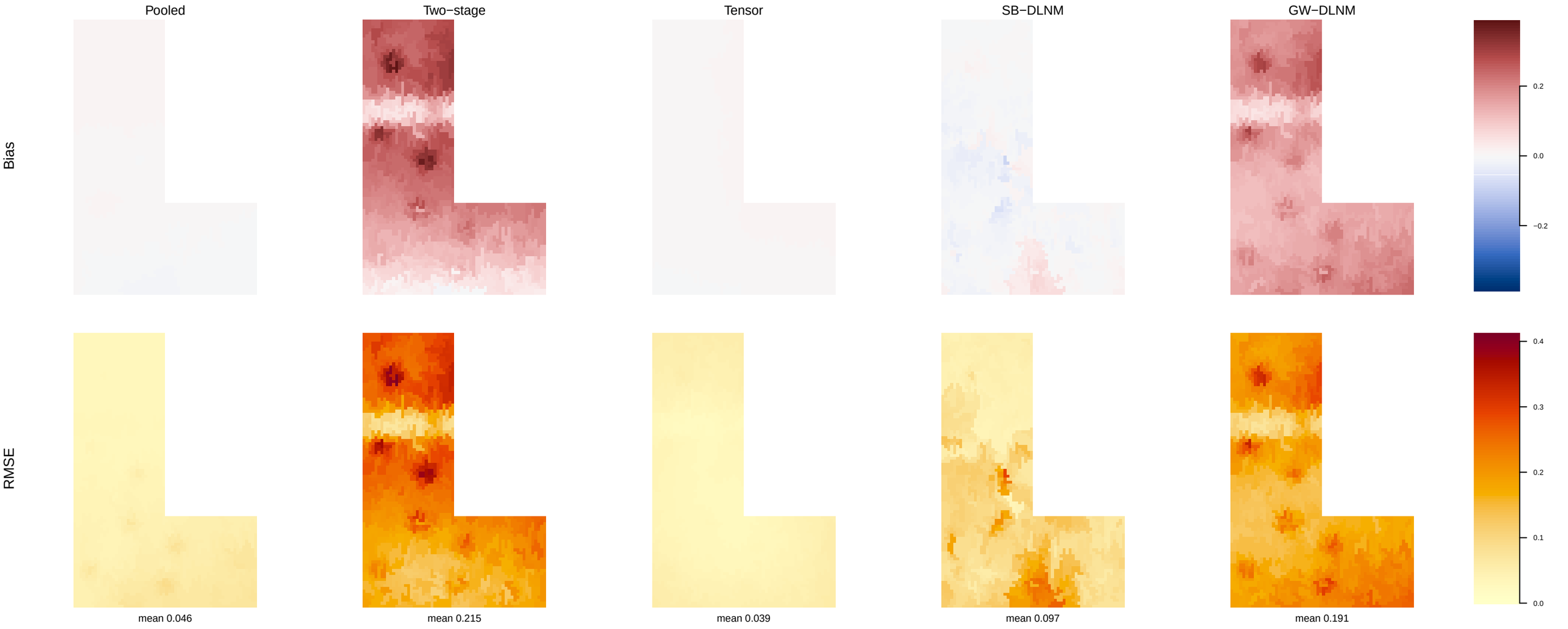
Scenario 159: L−shaped region, 480 counties, mild inequality, regional pattern, spread 0.00, valley gradient, threshold exposure−response, event rate 2, RR 1.0, delayed lag



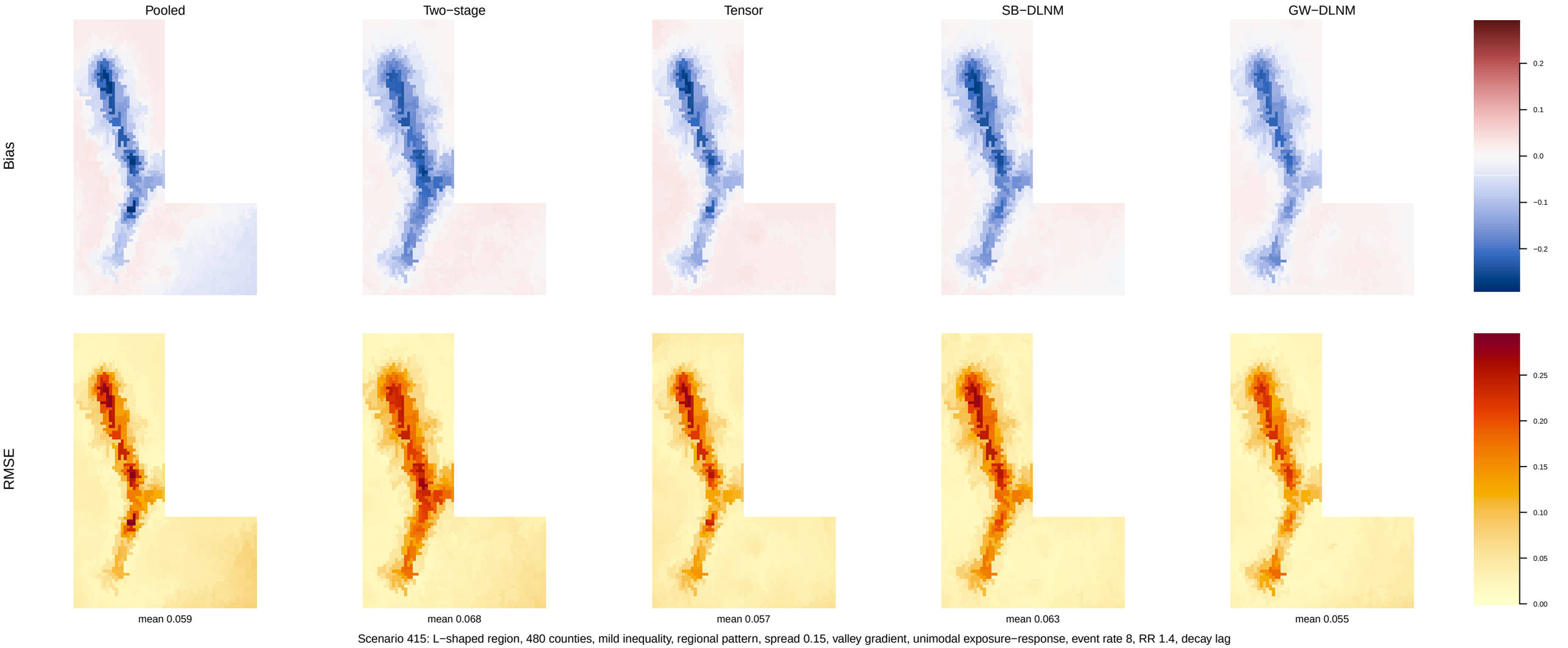
Scenario 479: L−shaped region, 480 counties, mild inequality, boundary pattern, spread 0.15, edges gradient, unimodal exposure−response, event rate 2, RR 1.2, short lag



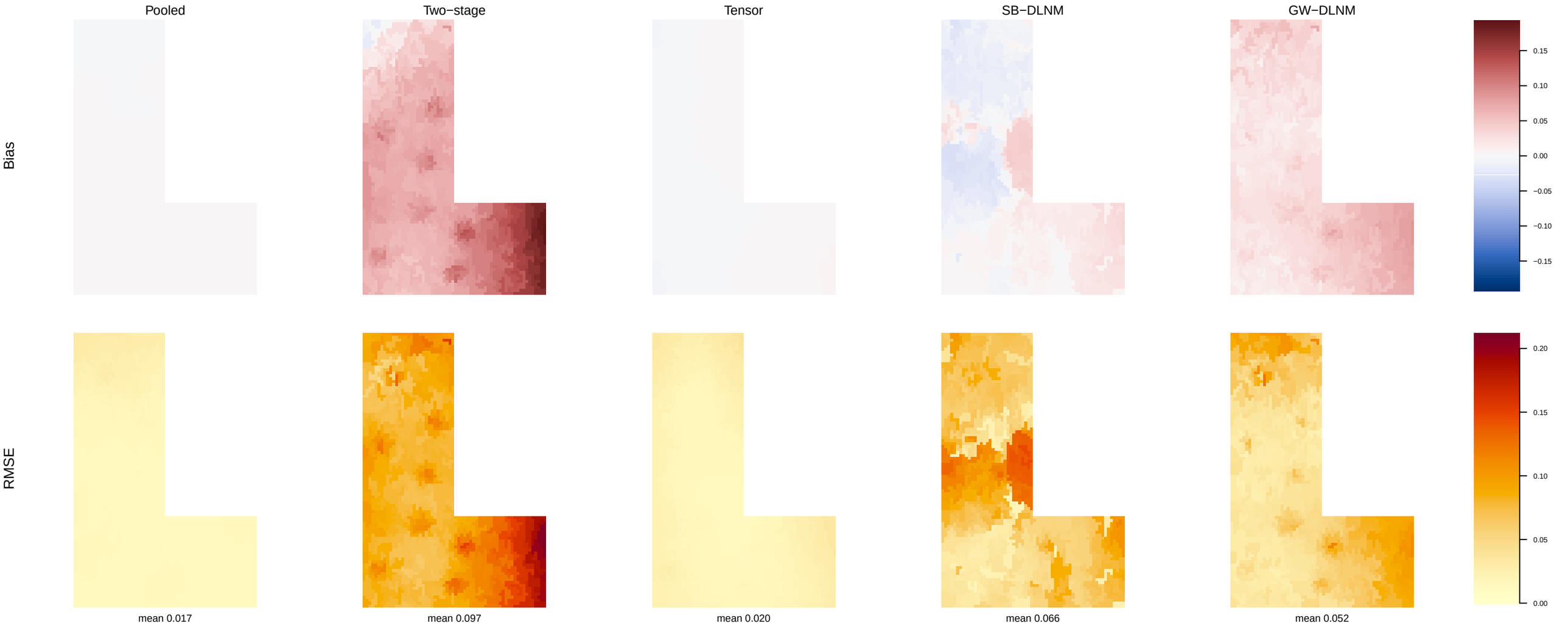
Scenario 287: L−shaped region, 480 counties, mild inequality, independent pattern, spread 0.15, NS gradient, unimodal exposure−response, event rate 0.5, RR 1.6, harvest lag



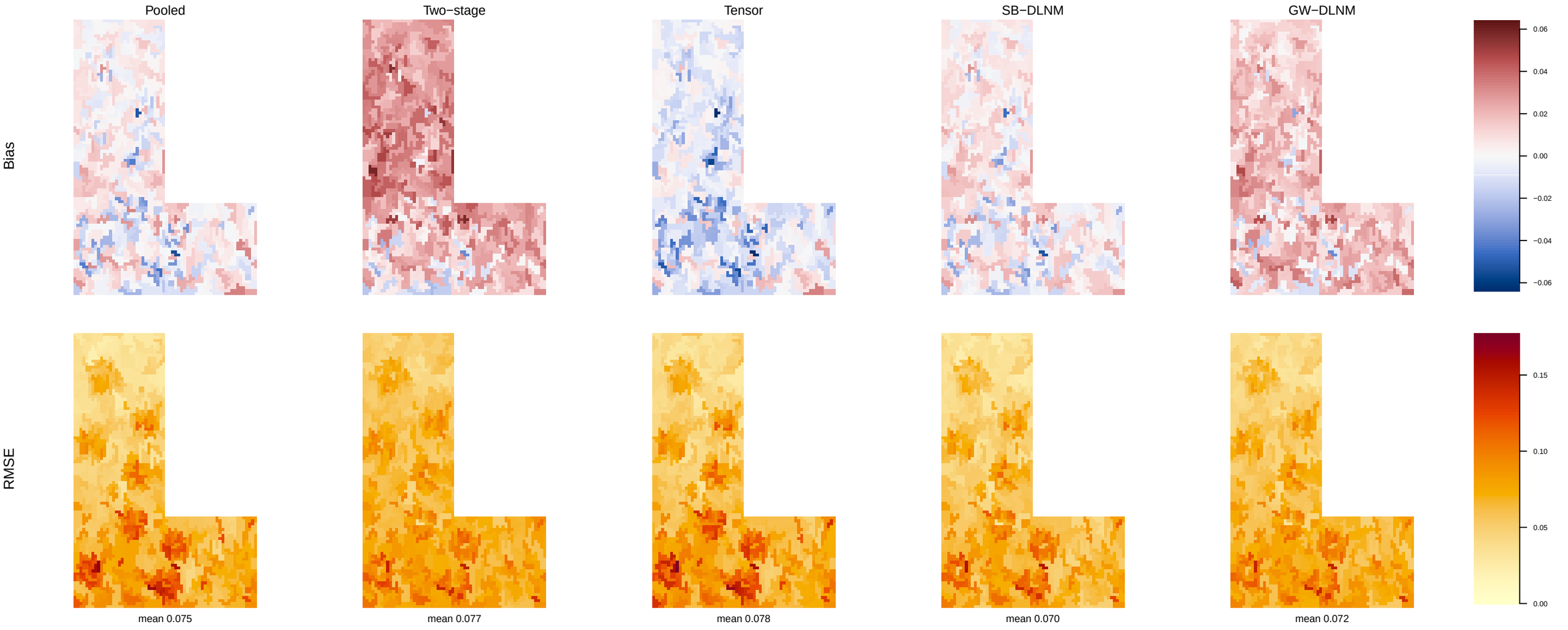
Scenario 351: L−shaped region, 480 counties, mild inequality, local pattern, spread 0.15, ridge gradient, unimodal exposure−response, event rate 0.125, RR 1.0, delayed lag



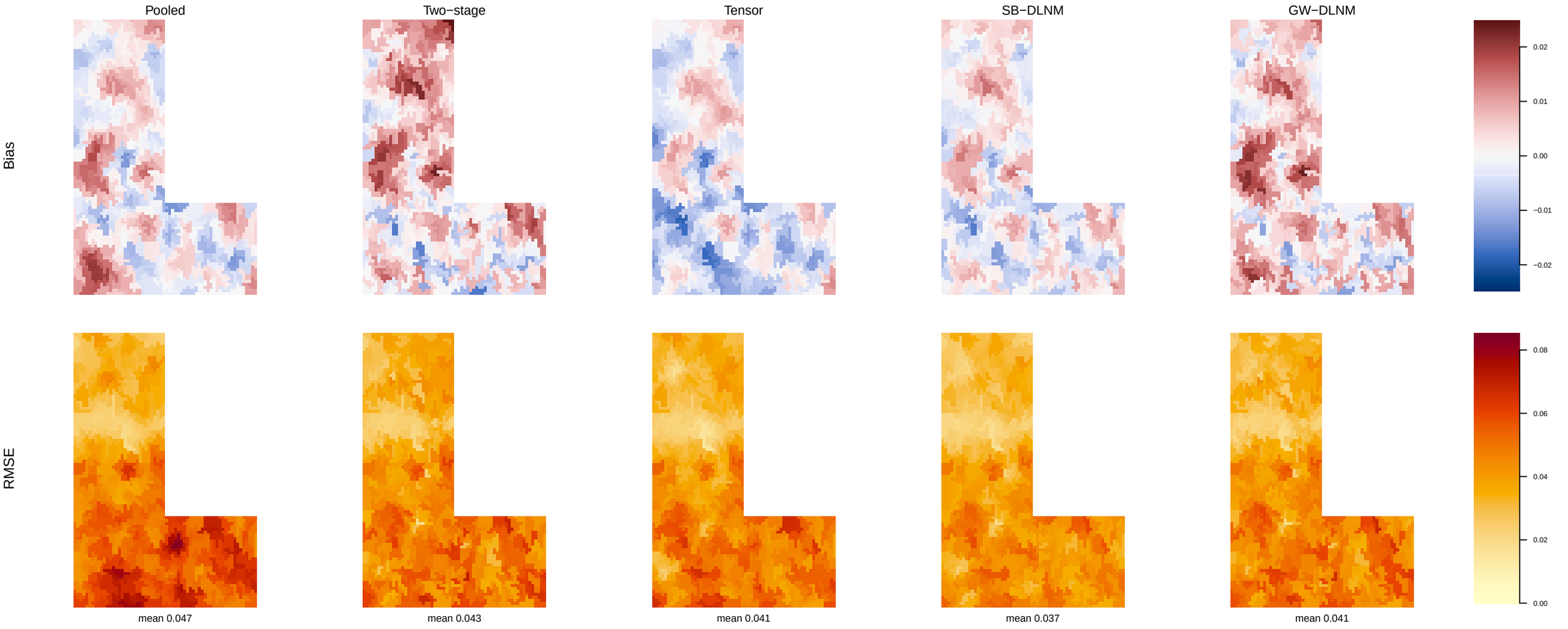
Scenario 415: L−shaped region, 480 counties, mild inequality, regional pattern, spread 0.15, valley gradient, unimodal exposure−response, event rate 8, RR 1.4, decay lag



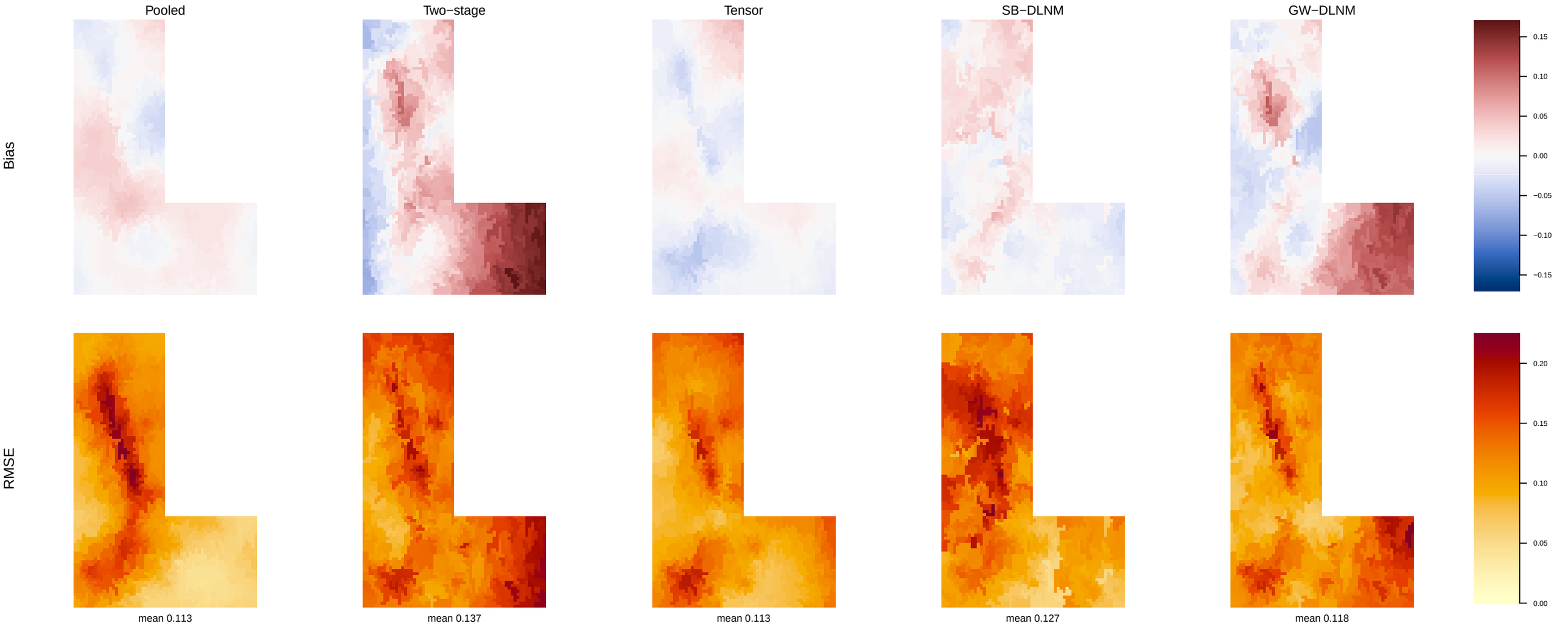
Scenario 735: L−shaped region, 480 counties, mild inequality, boundary pattern, spread 0.30, edges gradient, J exposure−response, event rate 0.5, RR 1.0, delayed lag



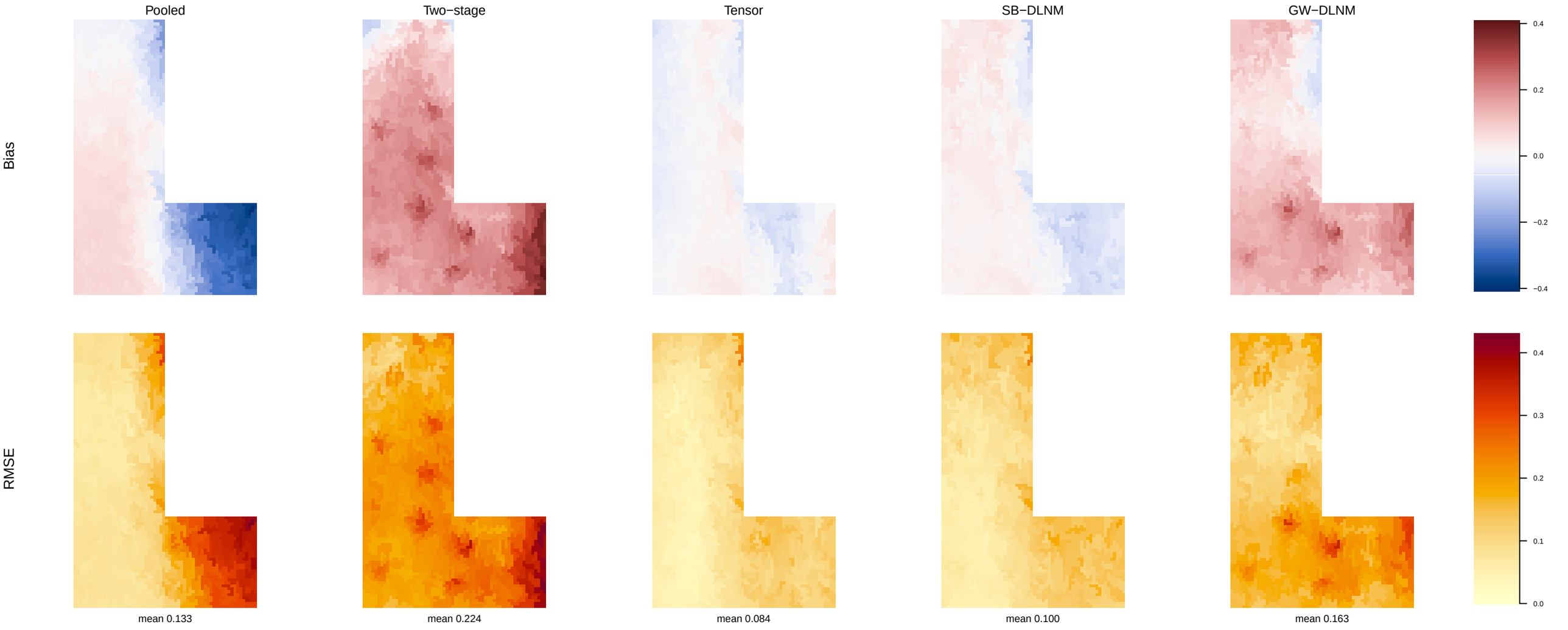
Scenario 543: L−shaped region, 480 counties, mild inequality, independent pattern, spread 0.30, NS gradient, J exposure−response, event rate 2, RR 1.4, decay lag



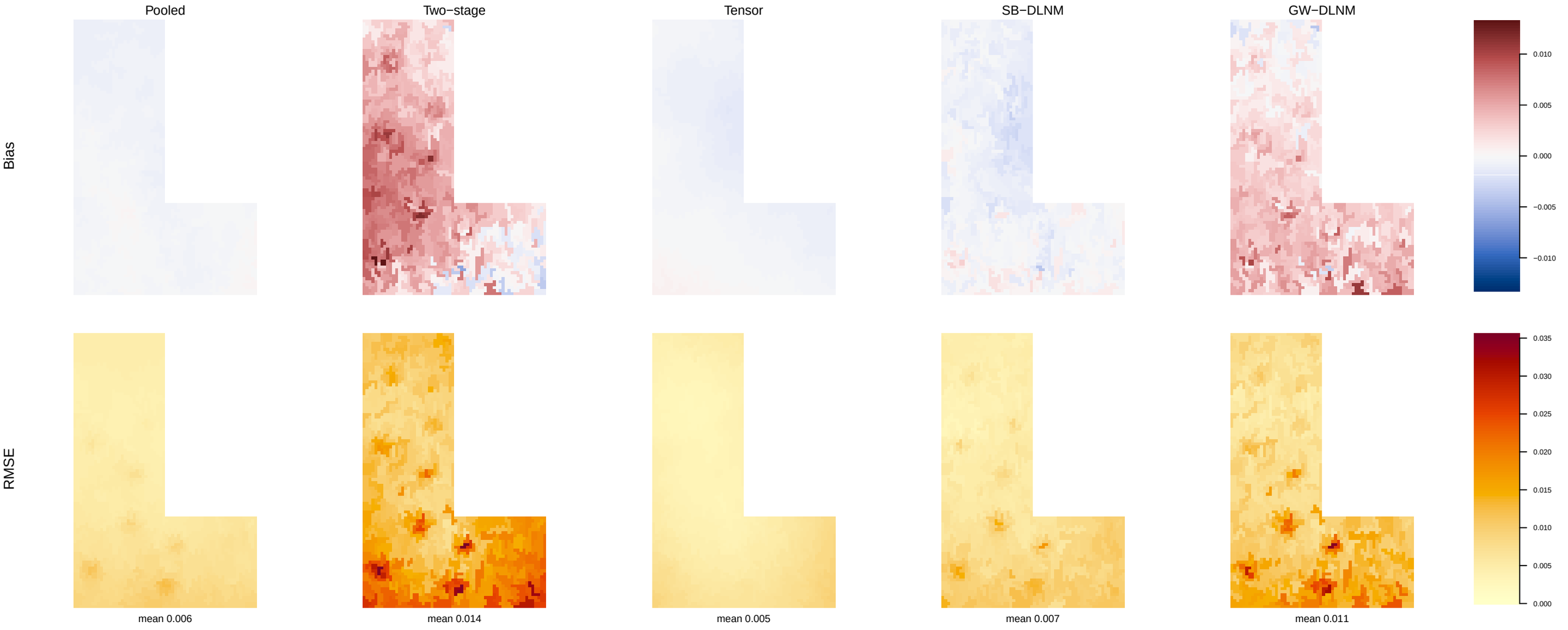
Scenario 607: L−shaped region, 480 counties, mild inequality, local pattern, spread 0.30, ridge gradient, J exposure−response, event rate 8, RR 1.2, short lag



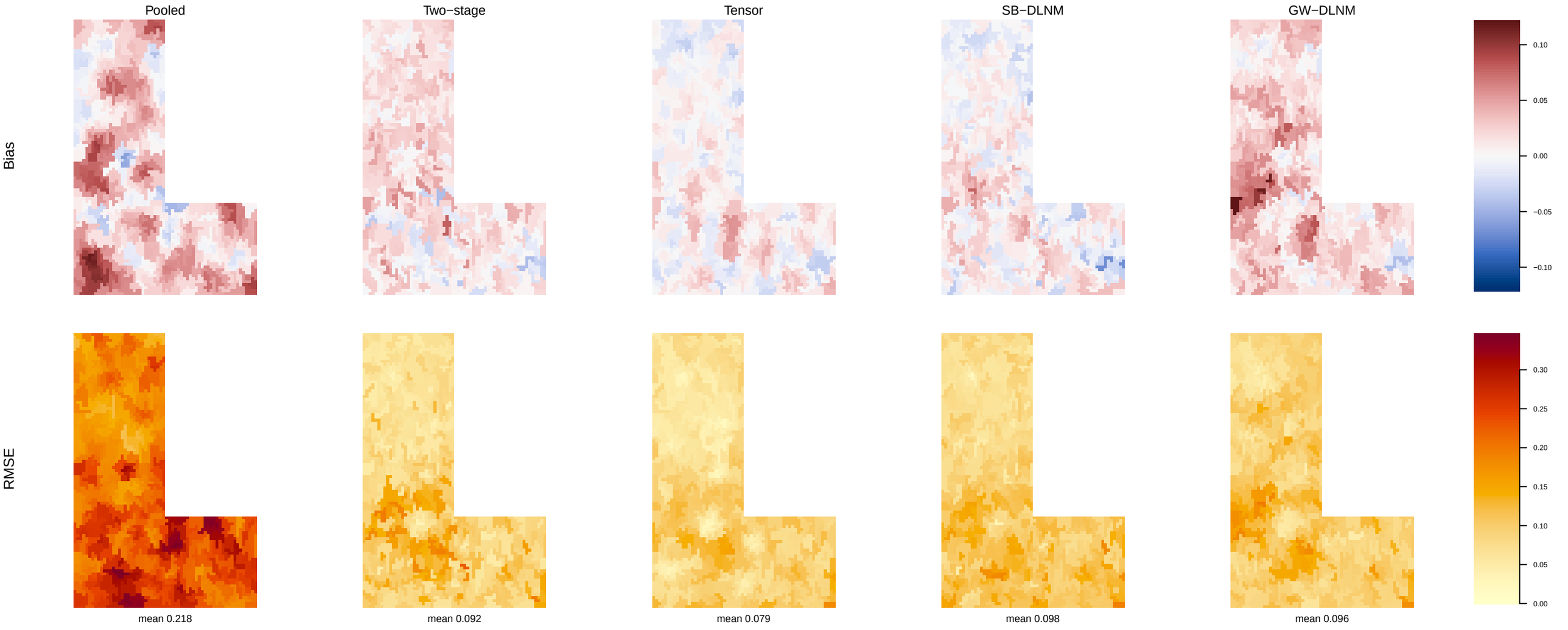
Scenario 671: L−shaped region, 480 counties, mild inequality, regional pattern, spread 0.30, valley gradient, J exposure−response, event rate 0.125, RR 1.6, harvest lag



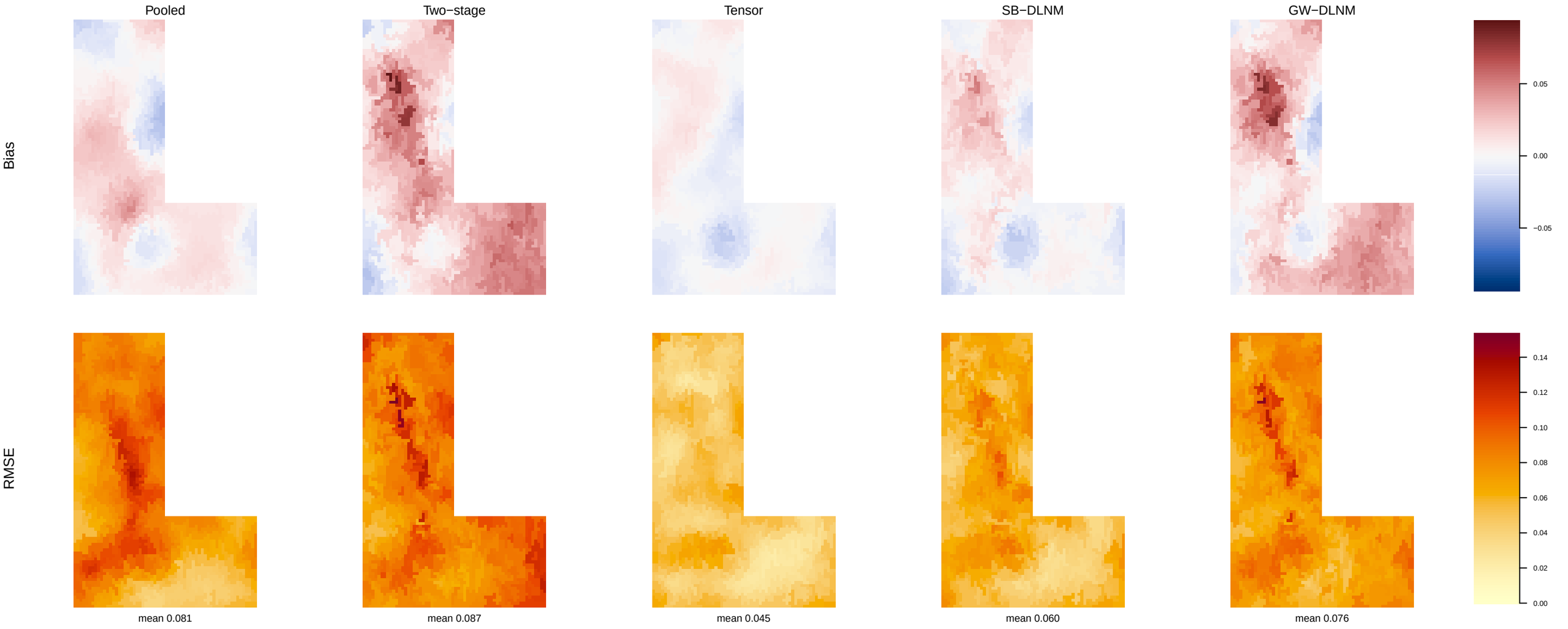
Scenario 991: L−shaped region, 480 counties, mild inequality, boundary pattern, spread 0.50, edges gradient, linear exposure−response, event rate 0.125, RR 1.4, decay lag



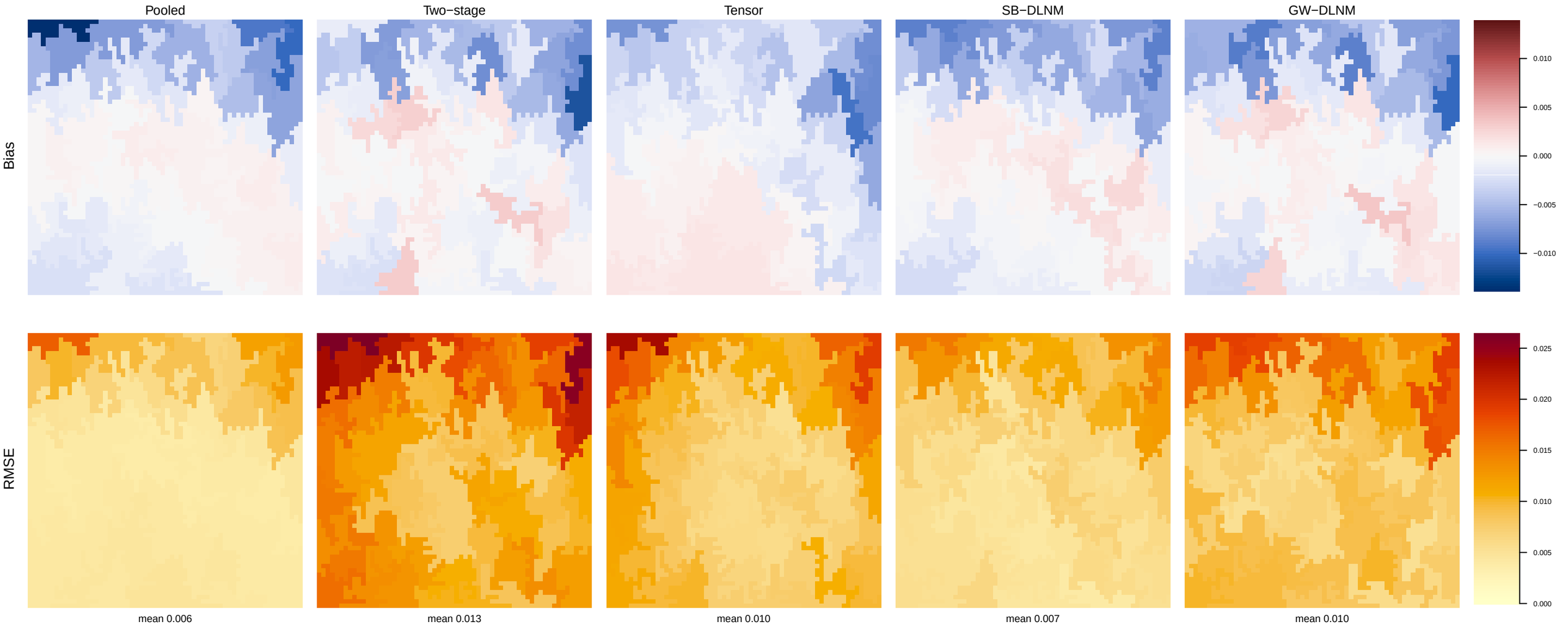
Scenario 799: L−shaped region, 480 counties, mild inequality, independent pattern, spread 0.50, NS gradient, linear exposure−response, event rate 8, RR 1.0, delayed lag



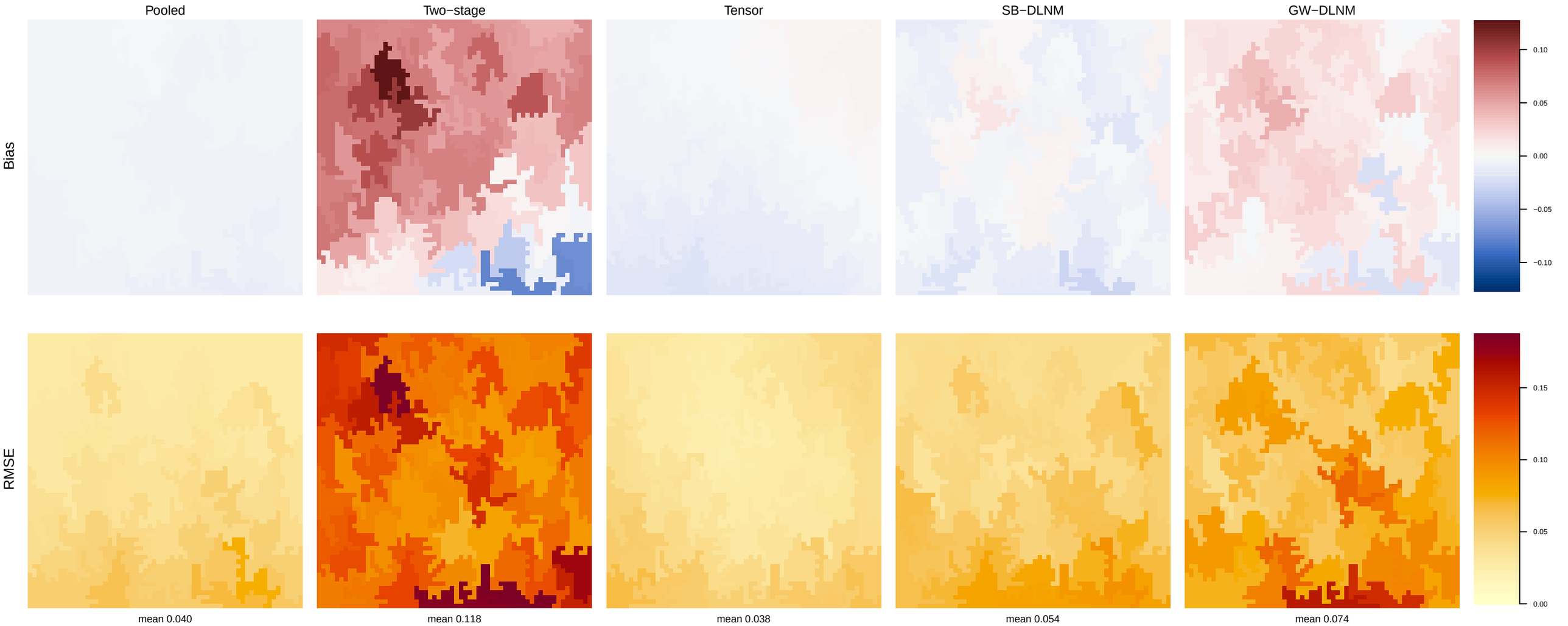
Scenario 863: L−shaped region, 480 counties, mild inequality, local pattern, spread 0.50, ridge gradient, linear exposure−response, event rate 2, RR 1.6, harvest lag



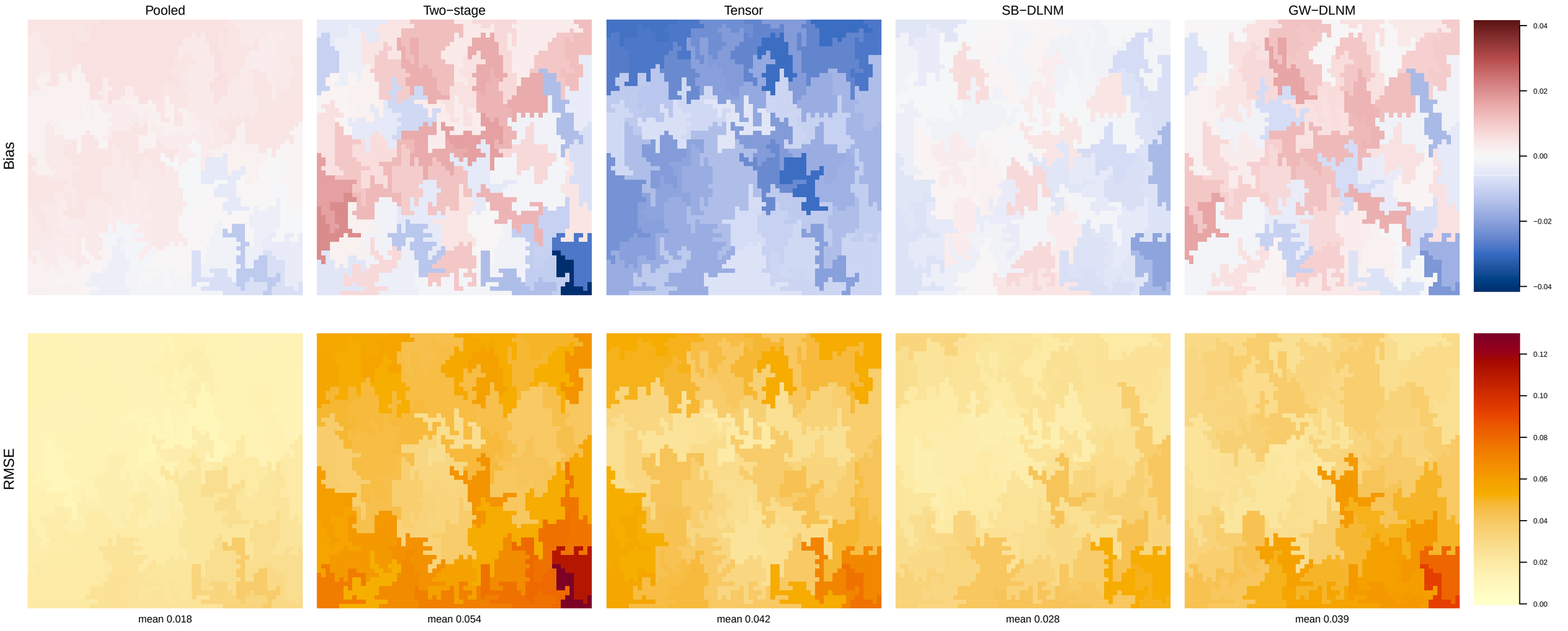
Scenario 927: L−shaped region, 480 counties, mild inequality, regional pattern, spread 0.50, valley gradient, linear exposure−response, event rate 0.5, RR 1.2, short lag



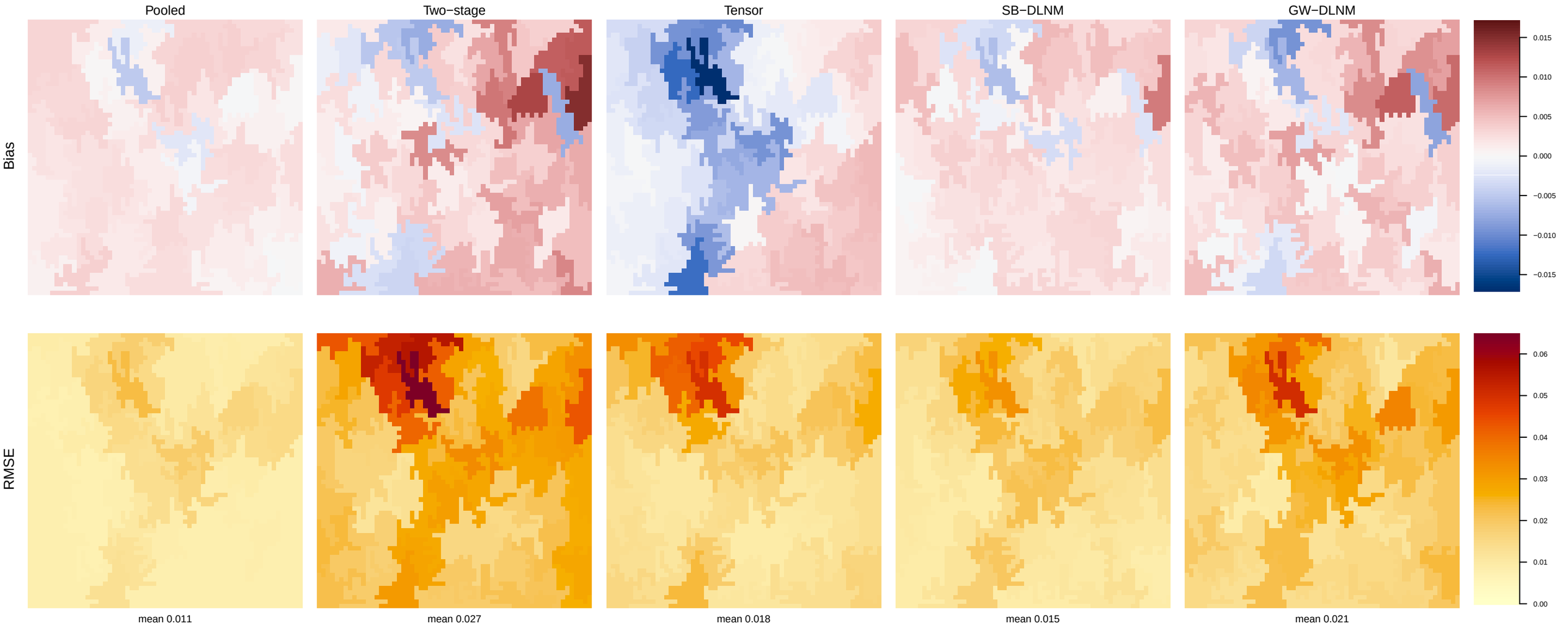
Scenario 193: square region, 60 counties, equal inequality, boundary pattern, spread 0.00, edges gradient, J exposure−response, event rate 8, RR 1.4, delayed lag



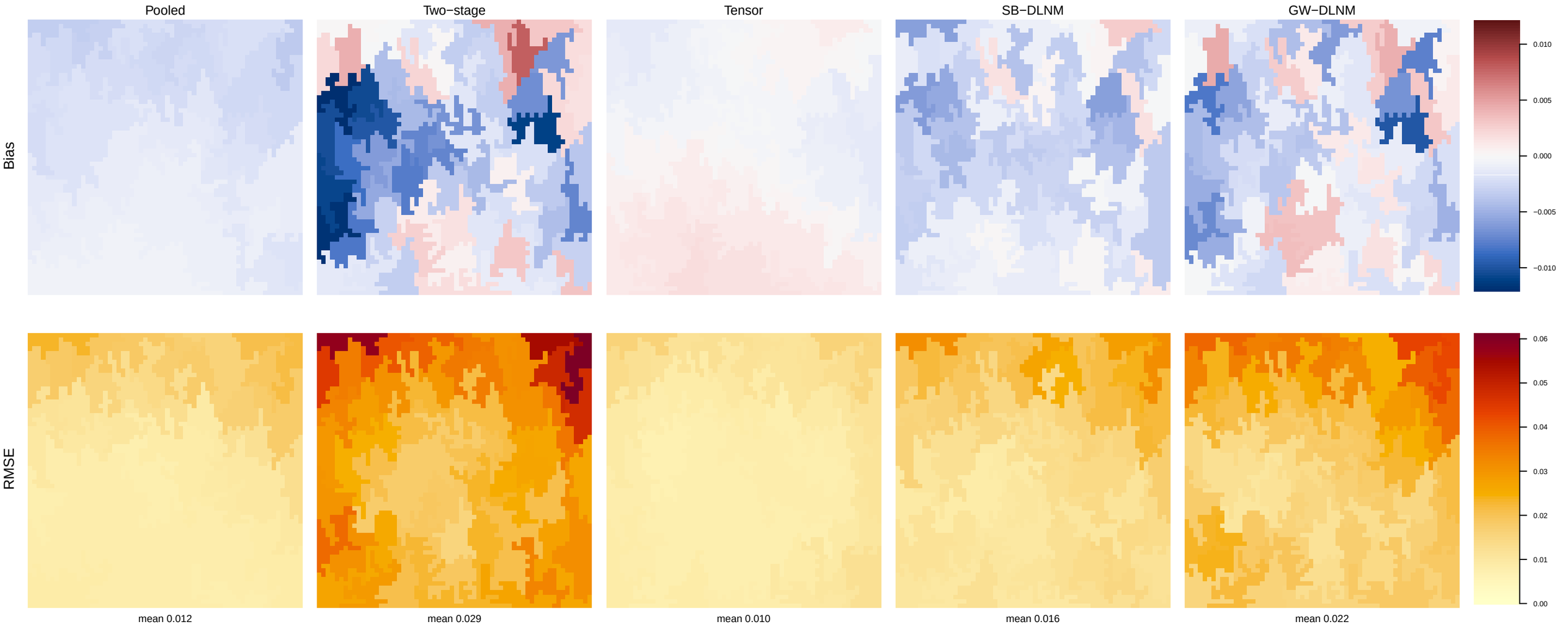
Scenario 1: square region, 60 counties, equal inequality, independent pattern, spread 0.00, NS gradient, J exposure−response, event rate 0.125, RR 1.0, decay lag



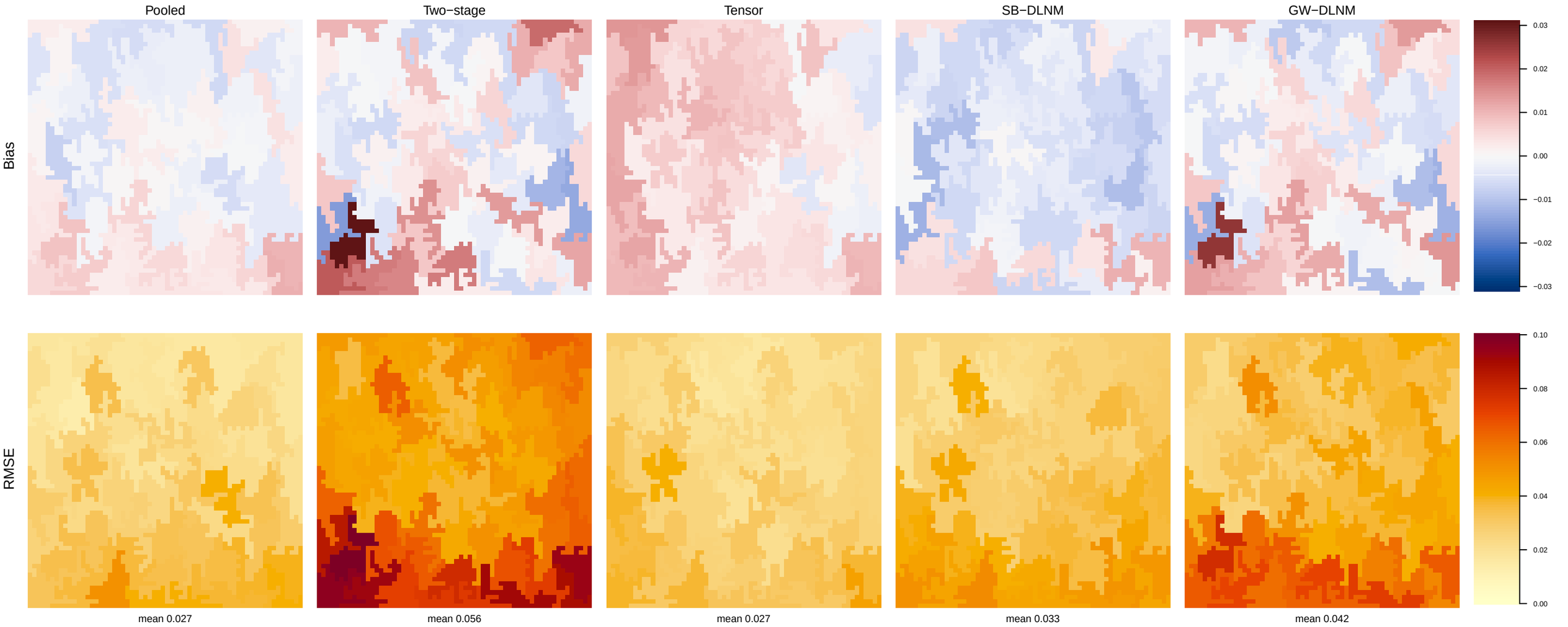
Scenario 65: square region, 60 counties, equal inequality, local pattern, spread 0.00, ridge gradient, J exposure−response, event rate 0.5, RR 1.6, short lag



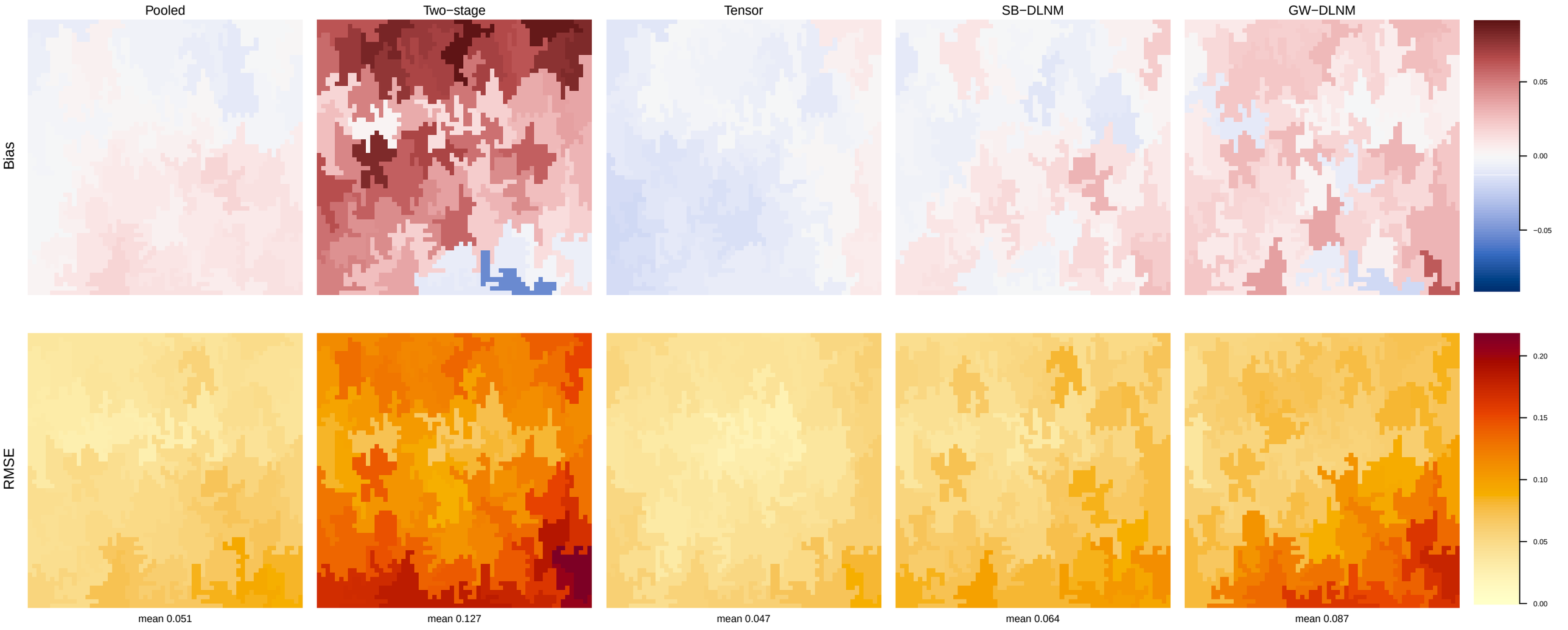
Scenario 129: square region, 60 counties, equal inequality, regional pattern, spread 0.00, valley gradient, J exposure−response, event rate 2, RR 1.2, harvest lag



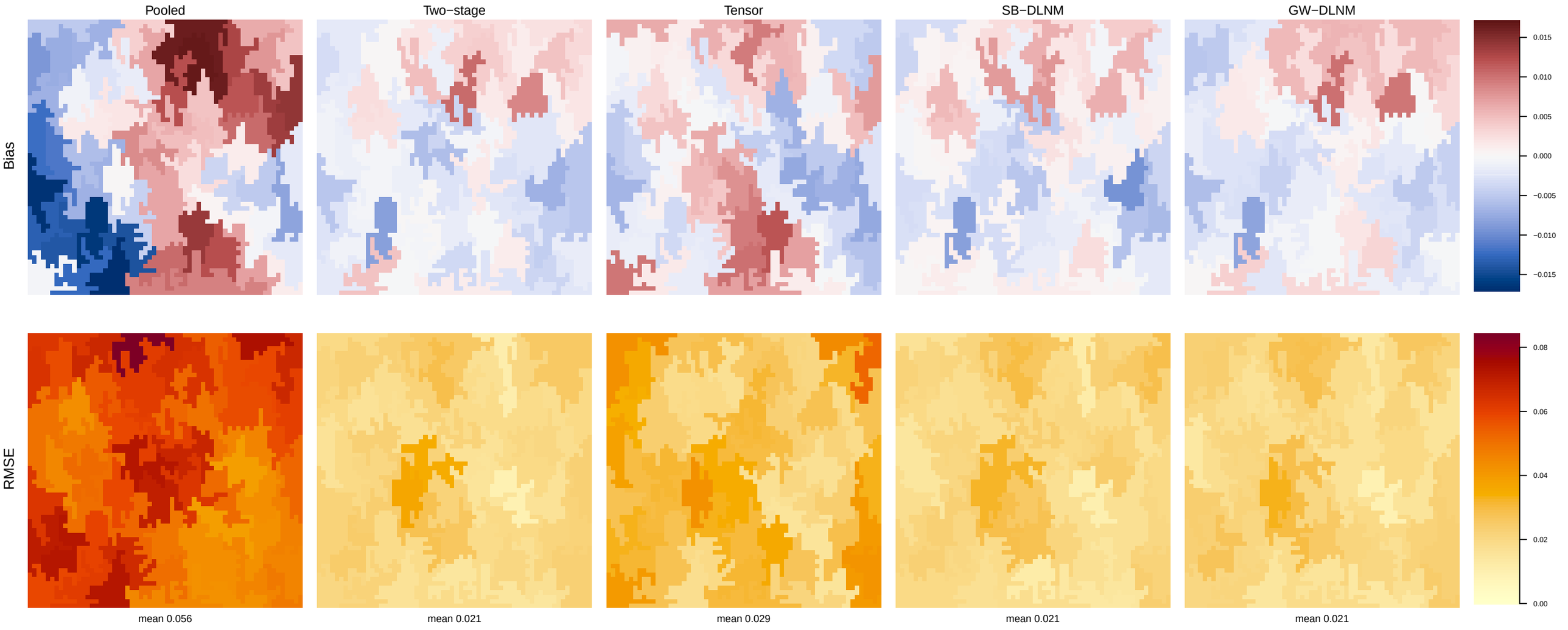
Scenario 449: square region, 60 counties, equal inequality, boundary pattern, spread 0.15, edges gradient, linear exposure−response, event rate 2, RR 1.0, decay lag



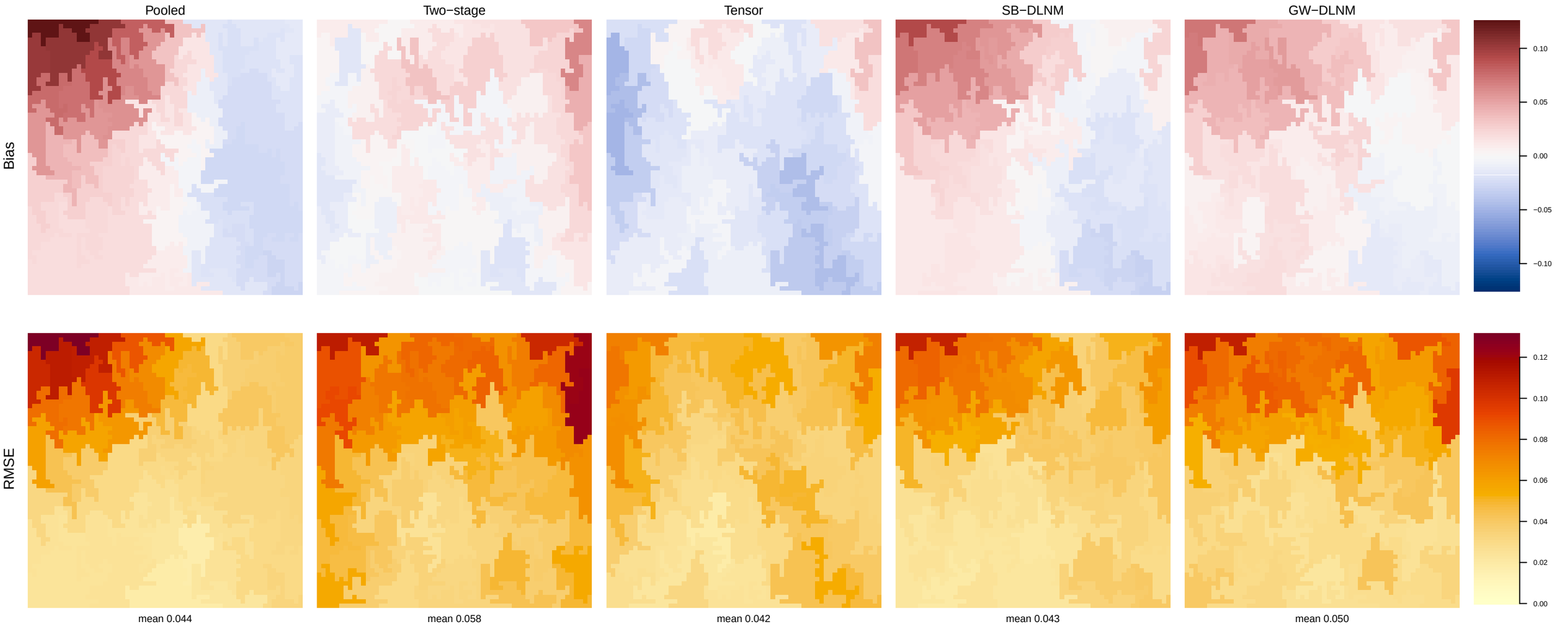
Scenario 257: square region, 60 counties, equal inequality, independent pattern, spread 0.15, NS gradient, linear exposure−response, event rate 0.5, RR 1.4, delayed lag



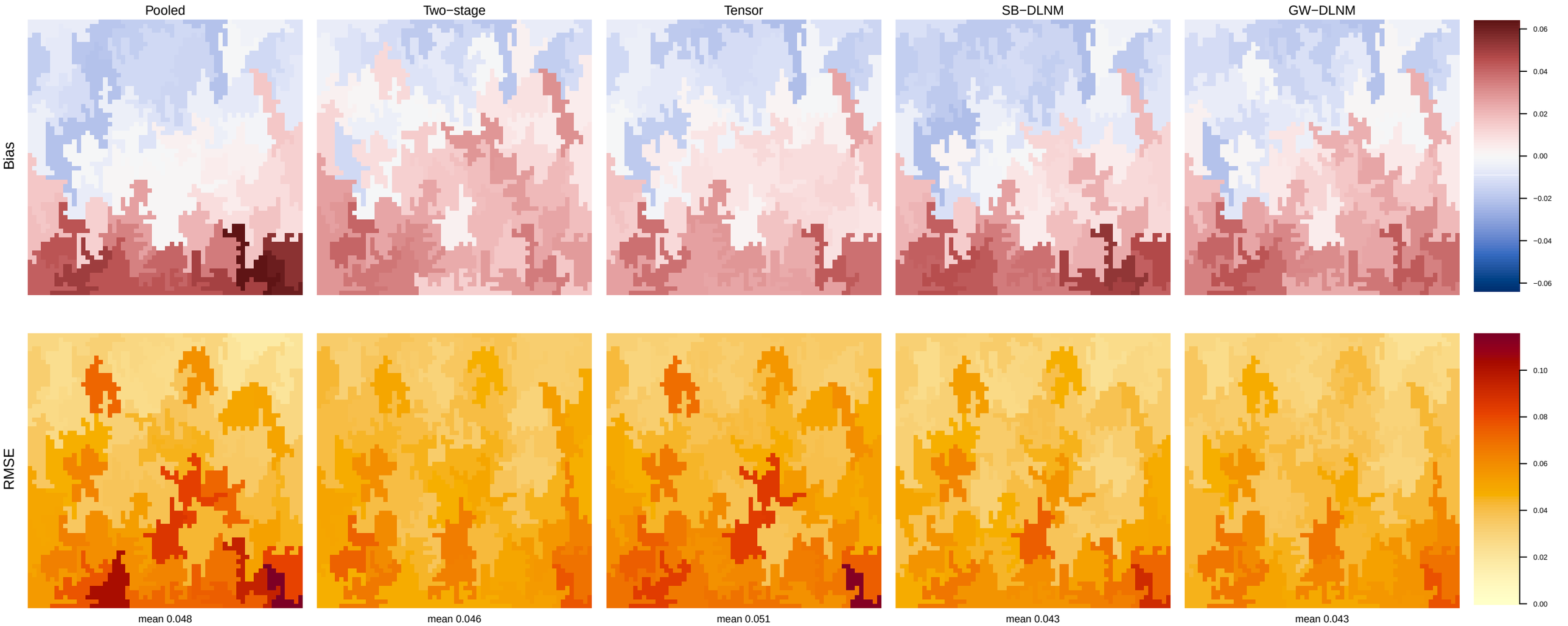
Scenario 321: square region, 60 counties, equal inequality, local pattern, spread 0.15, ridge gradient, linear exposure−response, event rate 0.125, RR 1.2, harvest lag



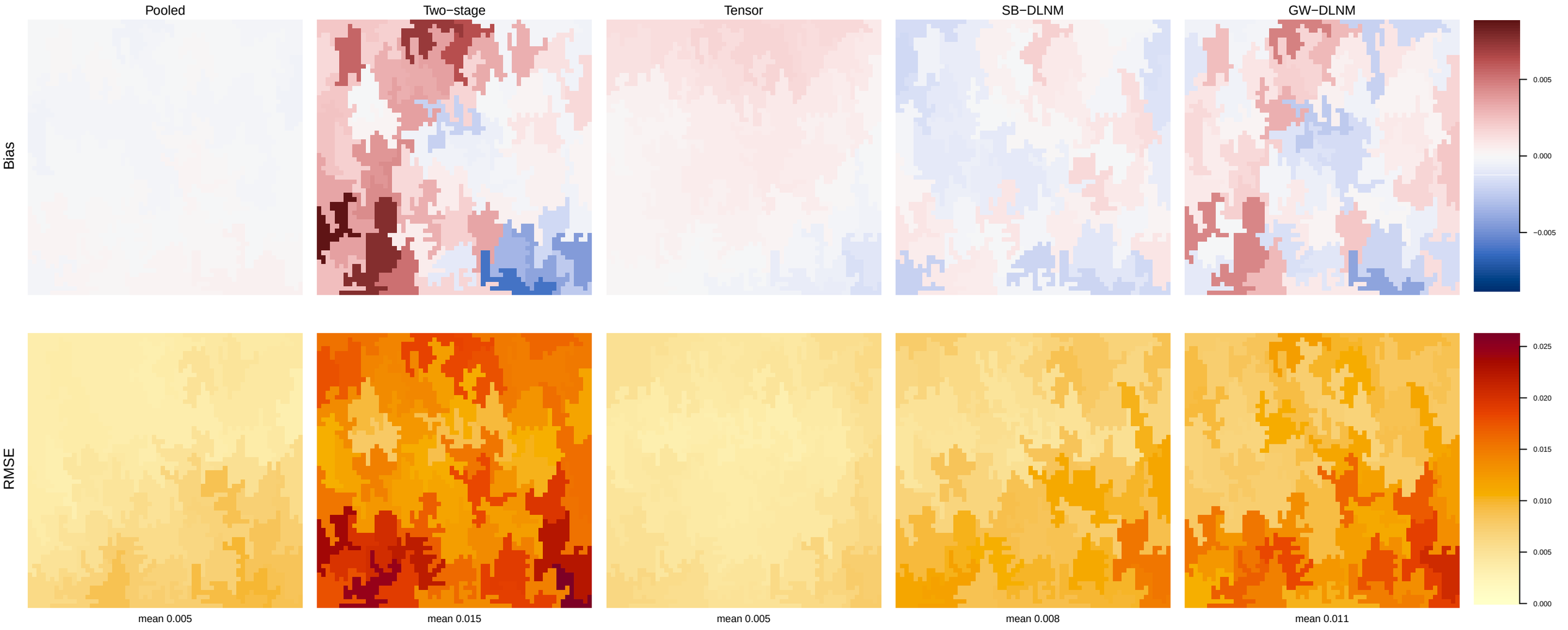
Scenario 385: square region, 60 counties, equal inequality, regional pattern, spread 0.15, valley gradient, linear exposure−response, event rate 8, RR 1.6, short lag



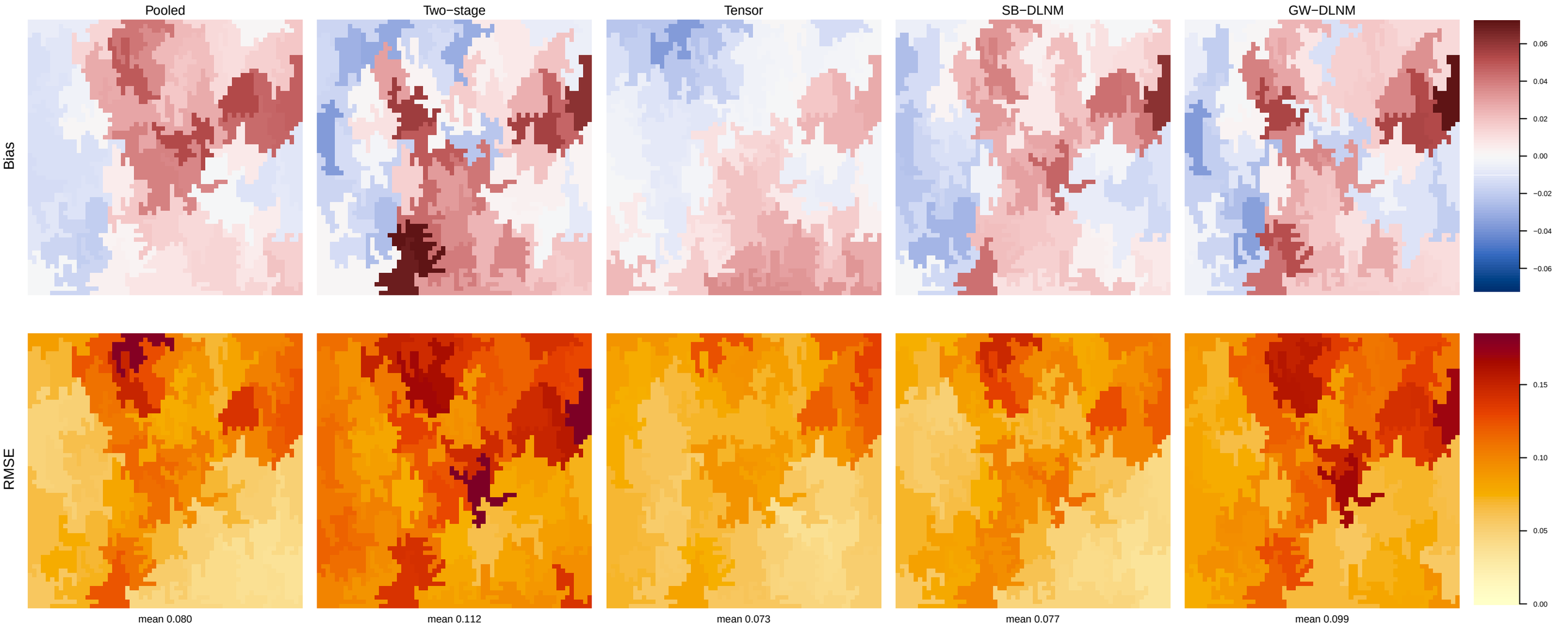
Scenario 705: square region, 60 counties, equal inequality, boundary pattern, spread 0.30, edges gradient, threshold exposure−response, event rate 0.5, RR 1.2, harvest lag



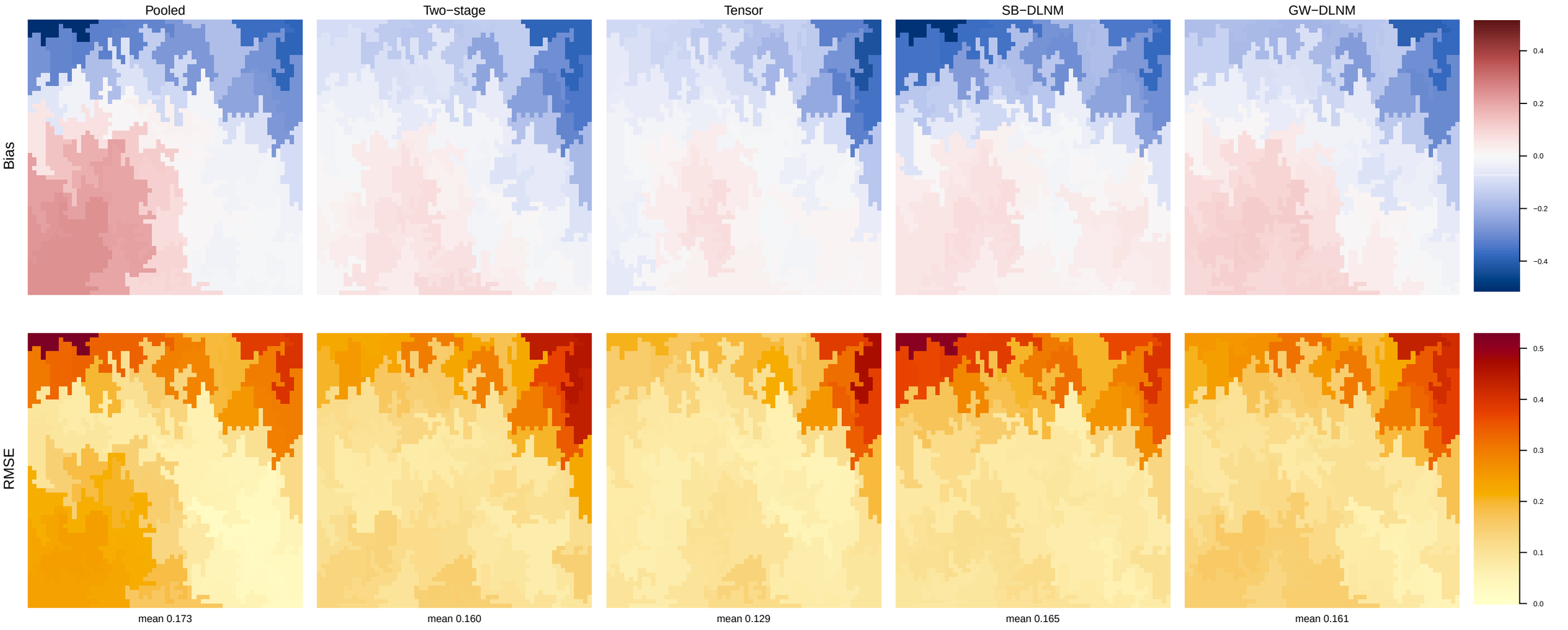
Scenario 513: square region, 60 counties, equal inequality, independent pattern, spread 0.30, NS gradient, threshold exposure−response, event rate 2, RR 1.6, short lag



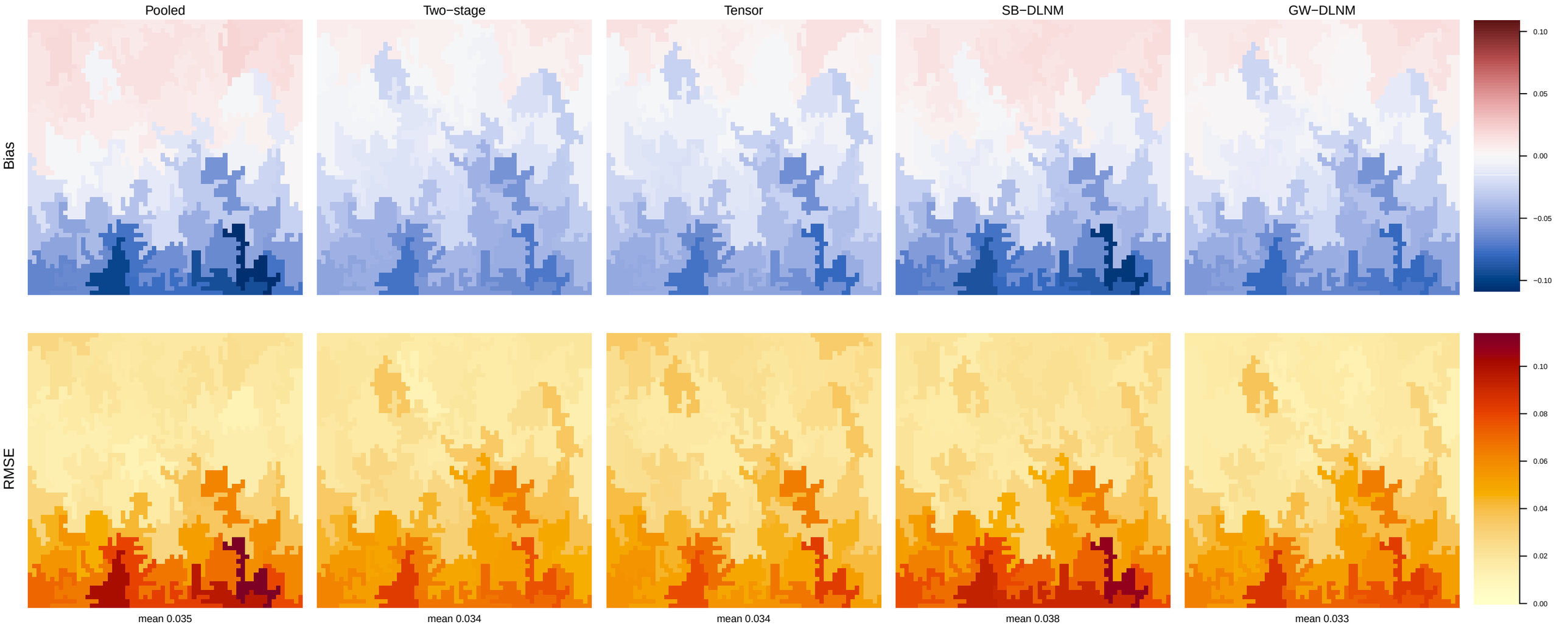
Scenario 577: square region, 60 counties, equal inequality, local pattern, spread 0.30, ridge gradient, threshold exposure−response, event rate 8, RR 1.0, decay lag



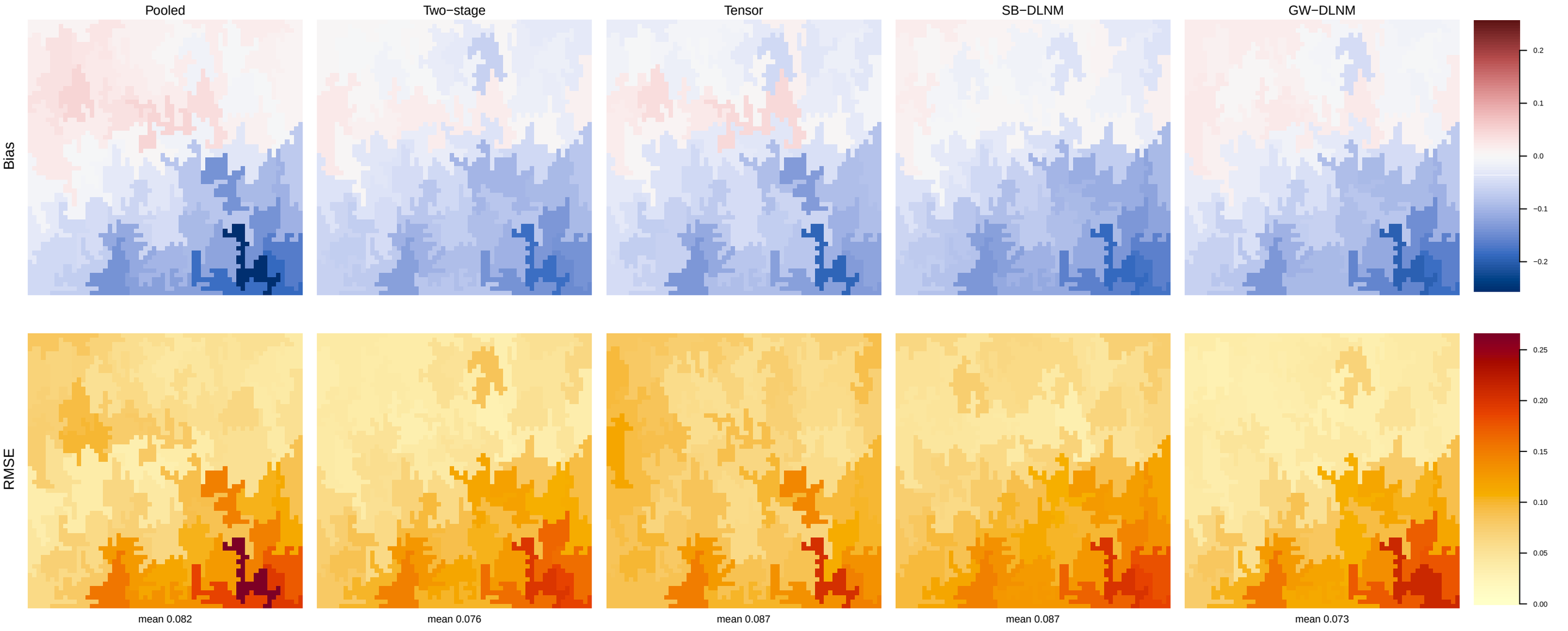
Scenario 641: square region, 60 counties, equal inequality, regional pattern, spread 0.30, valley gradient, threshold exposure−response, event rate 0.125, RR 1.4, delayed lag



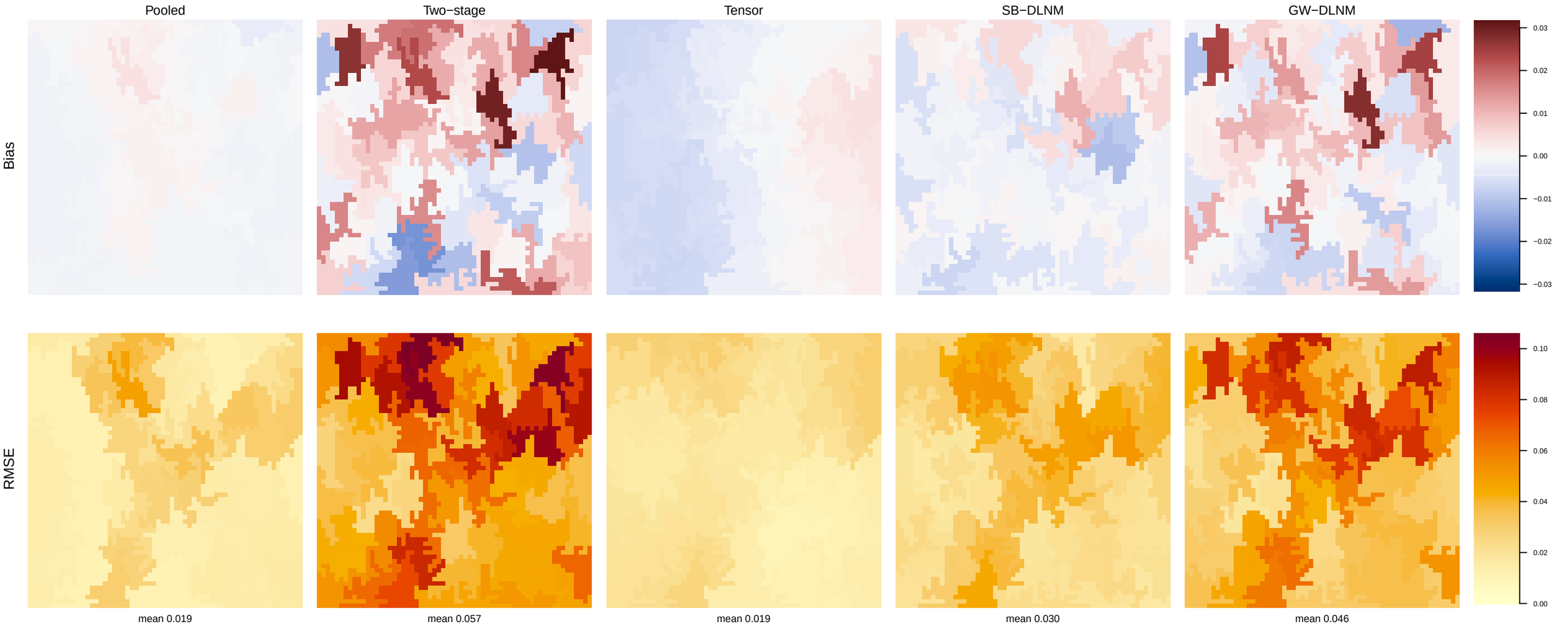
Scenario 961: square region, 60 counties, equal inequality, boundary pattern, spread 0.50, edges gradient, unimodal exposure−response, event rate 0.125, RR 1.6, short lag



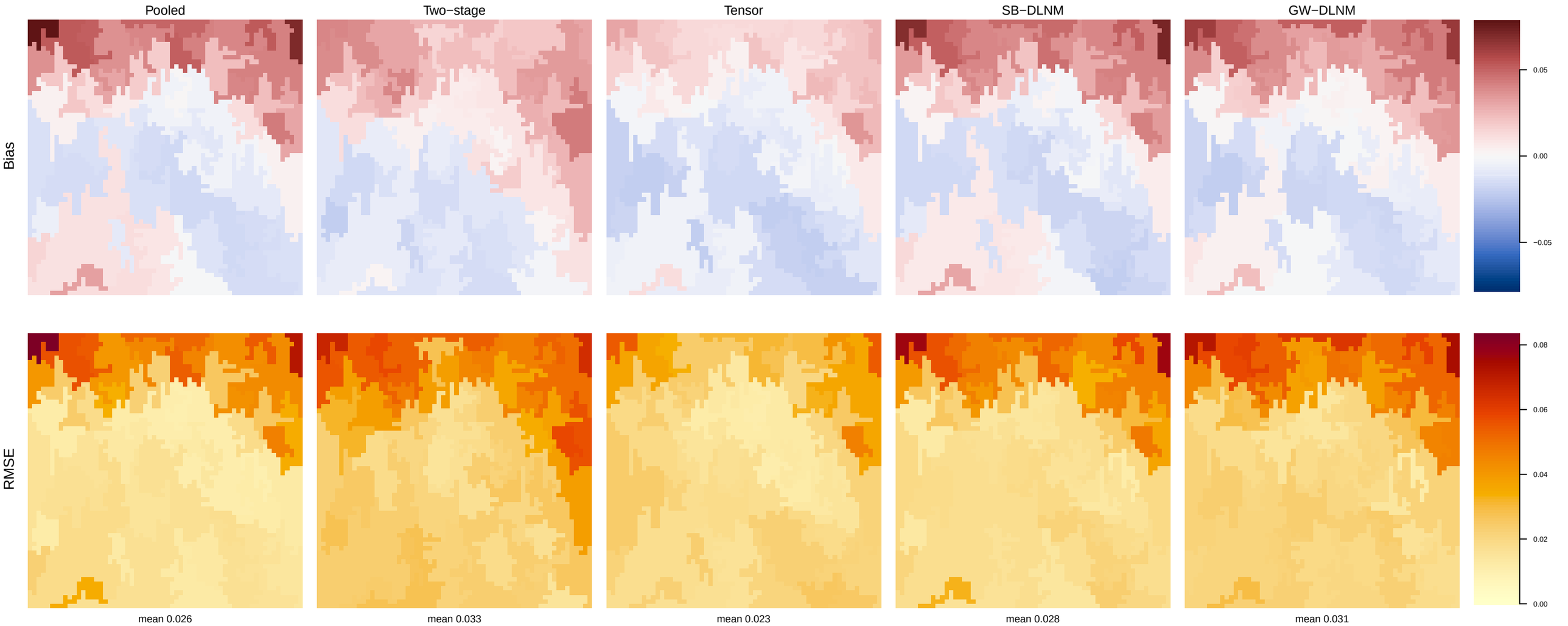
Scenario 769: square region, 60 counties, equal inequality, independent pattern, spread 0.50, NS gradient, unimodal exposure−response, event rate 8, RR 1.2, harvest lag



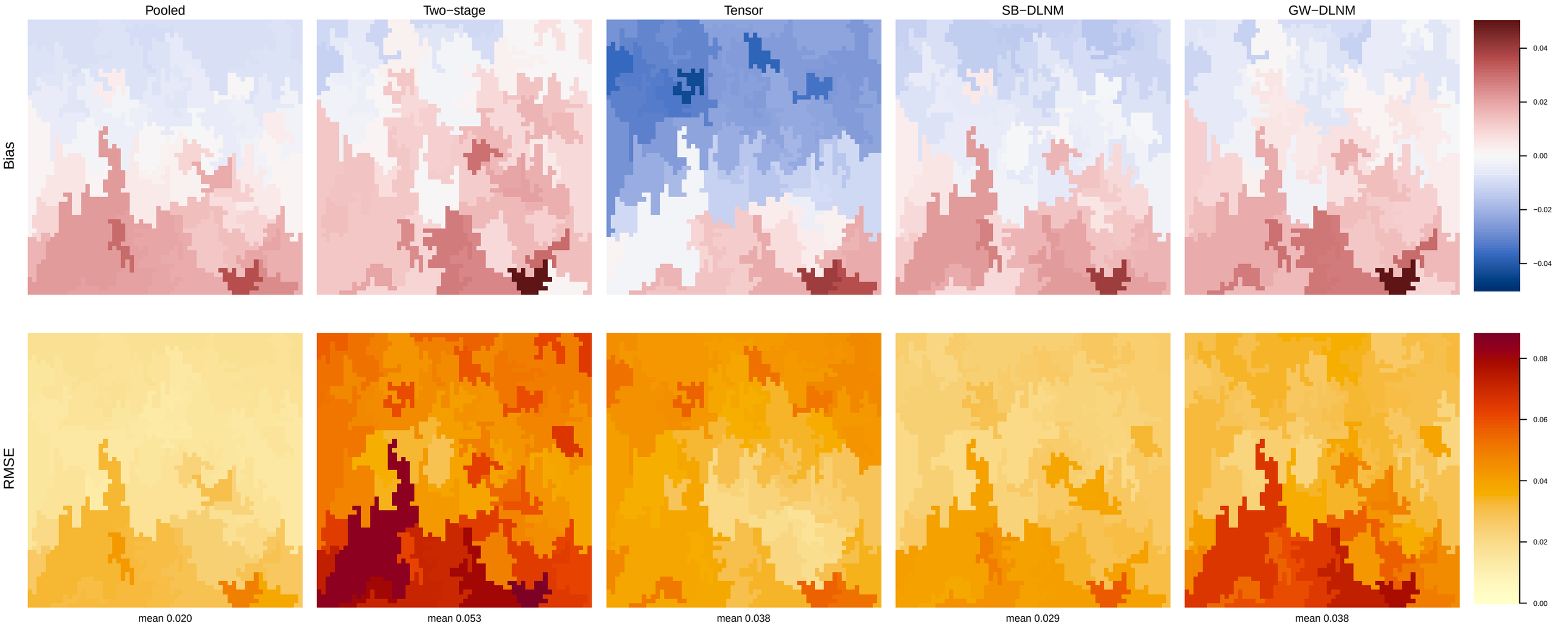
Scenario 833: square region, 60 counties, equal inequality, local pattern, spread 0.50, ridge gradient, unimodal exposure−response, event rate 2, RR 1.4, delayed lag



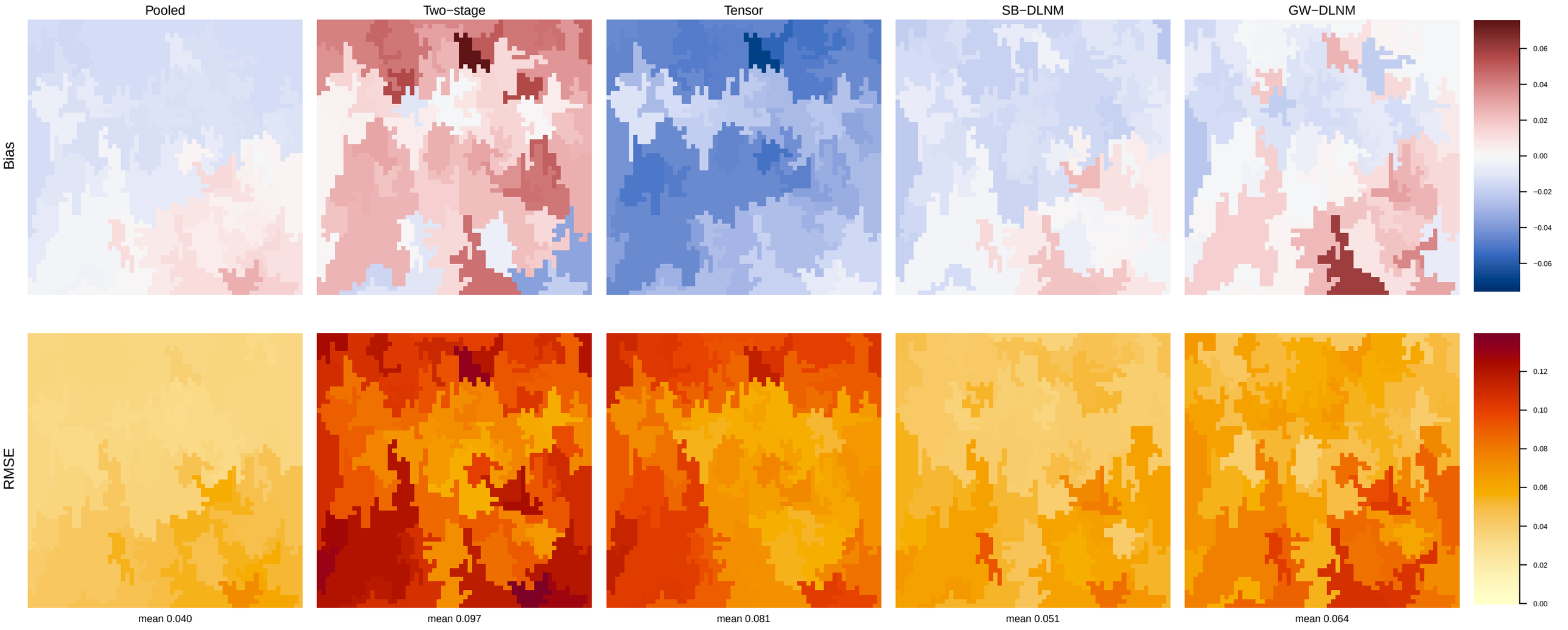
Scenario 897: square region, 60 counties, equal inequality, regional pattern, spread 0.50, valley gradient, unimodal exposure−response, event rate 0.5, RR 1.0, decay lag



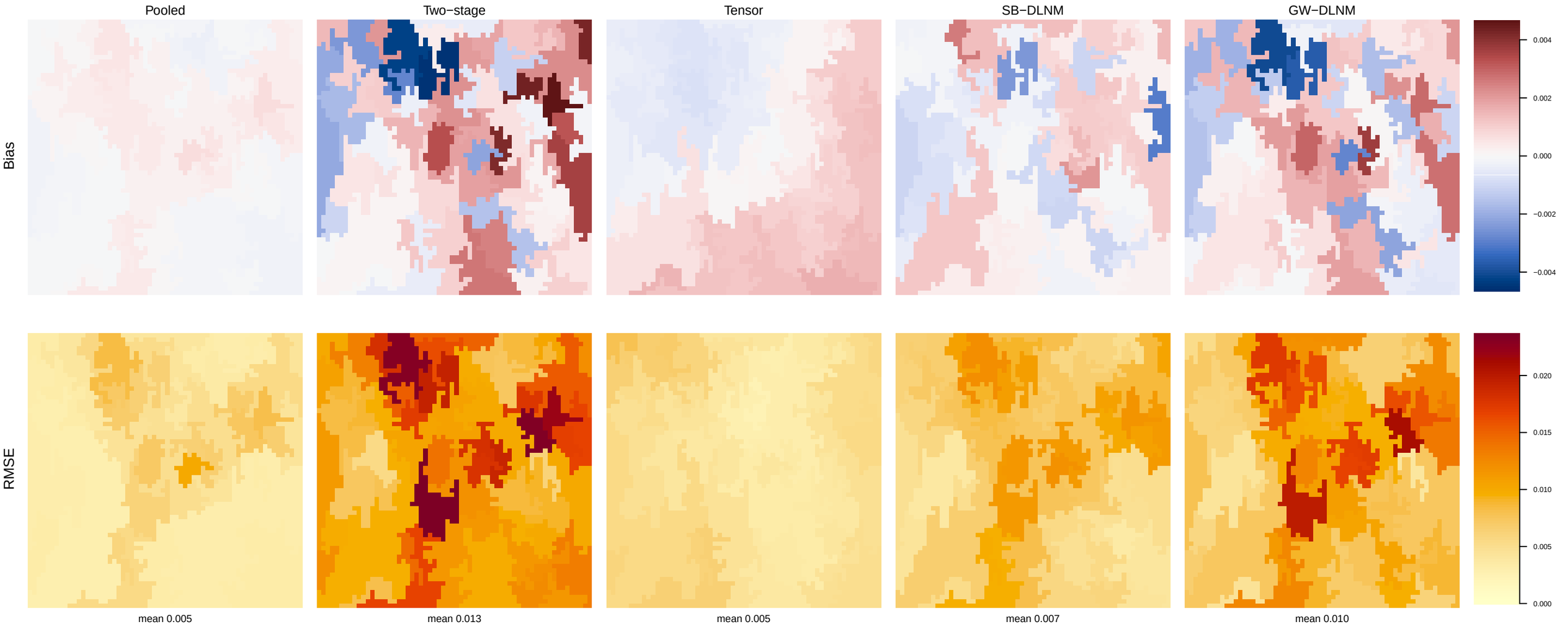
Scenario 97: square region, 60 counties, moderate inequality, local pattern, spread 0.00, edges gradient, threshold exposure−response, event rate 2, RR 1.6, decay lag



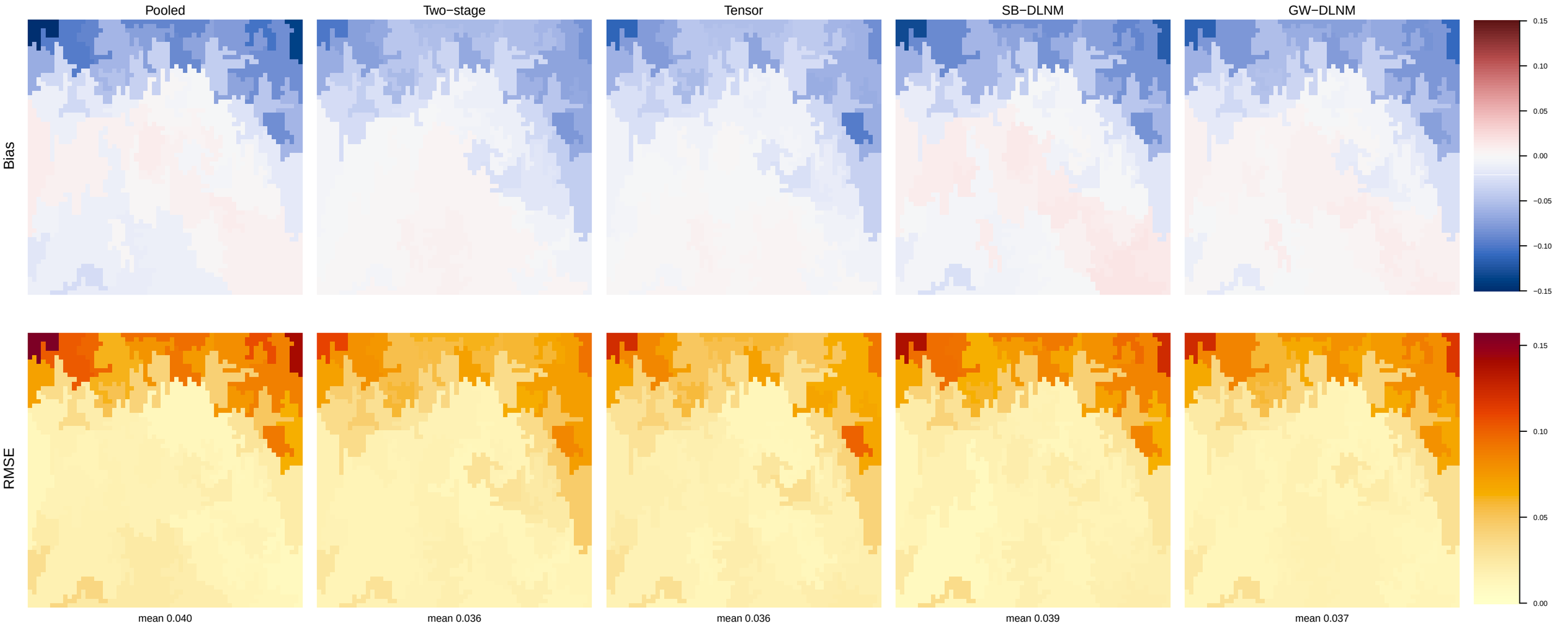
Scenario 161: square region, 60 counties, moderate inequality, regional pattern, spread 0.00, NS gradient, threshold exposure−response, event rate 0.5, RR 1.2, delayed lag



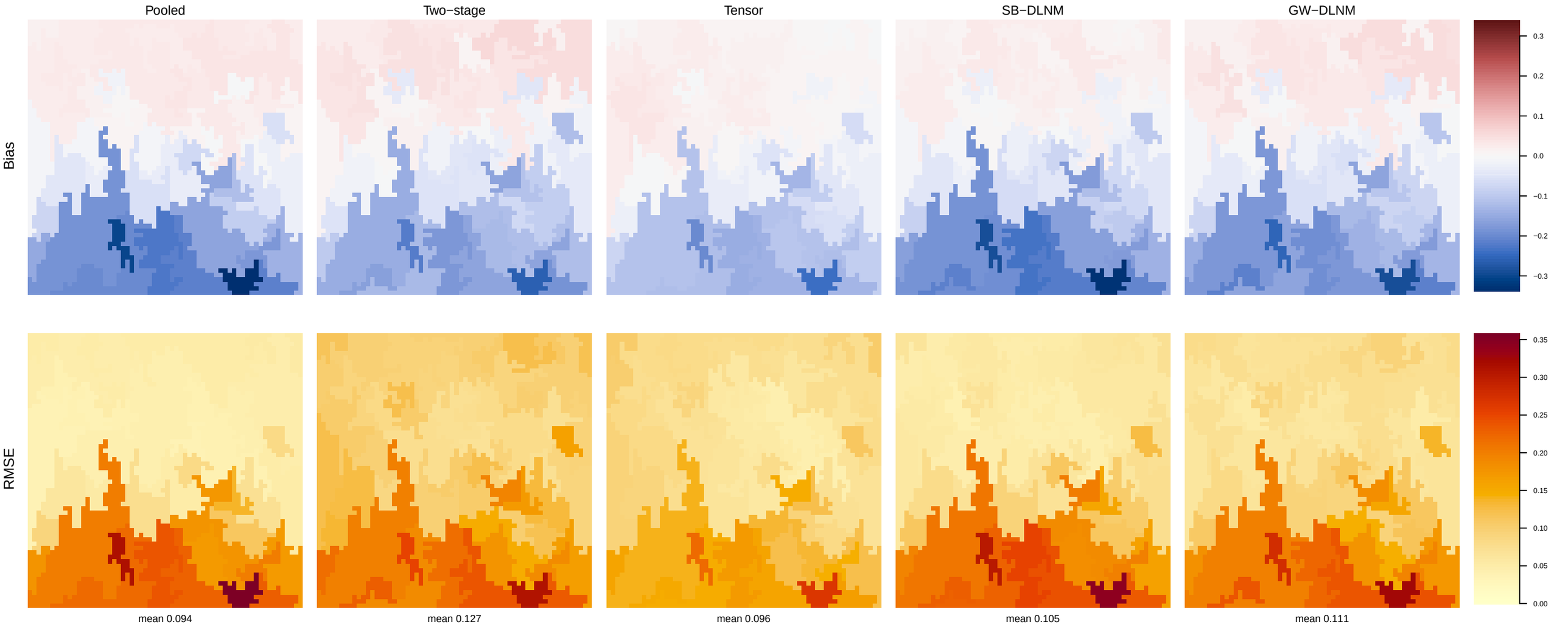
Scenario 225: square region, 60 counties, moderate inequality, boundary pattern, spread 0.00, ridge gradient, threshold exposure−response, event rate 0.125, RR 1.4, harvest lag



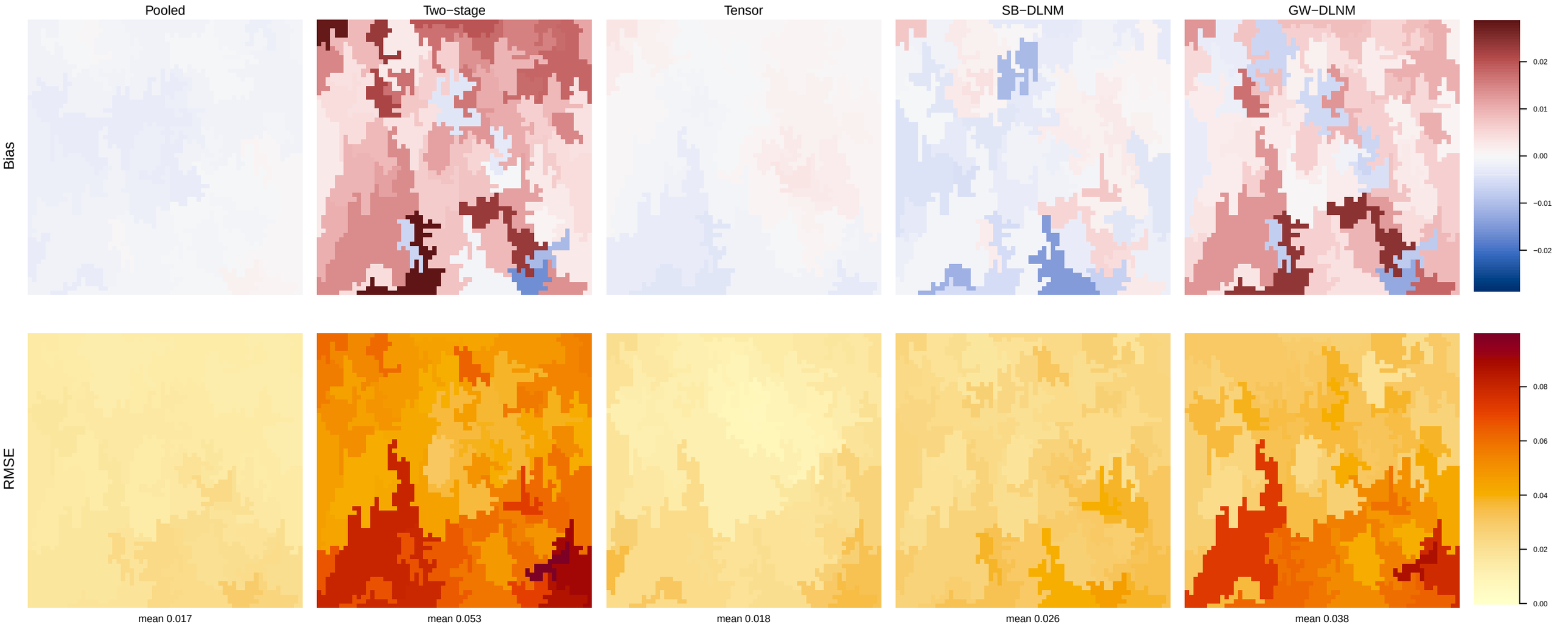
Scenario 33: square region, 60 counties, moderate inequality, independent pattern, spread 0.00, valley gradient, threshold exposure−response, event rate 8, RR 1.0, short lag



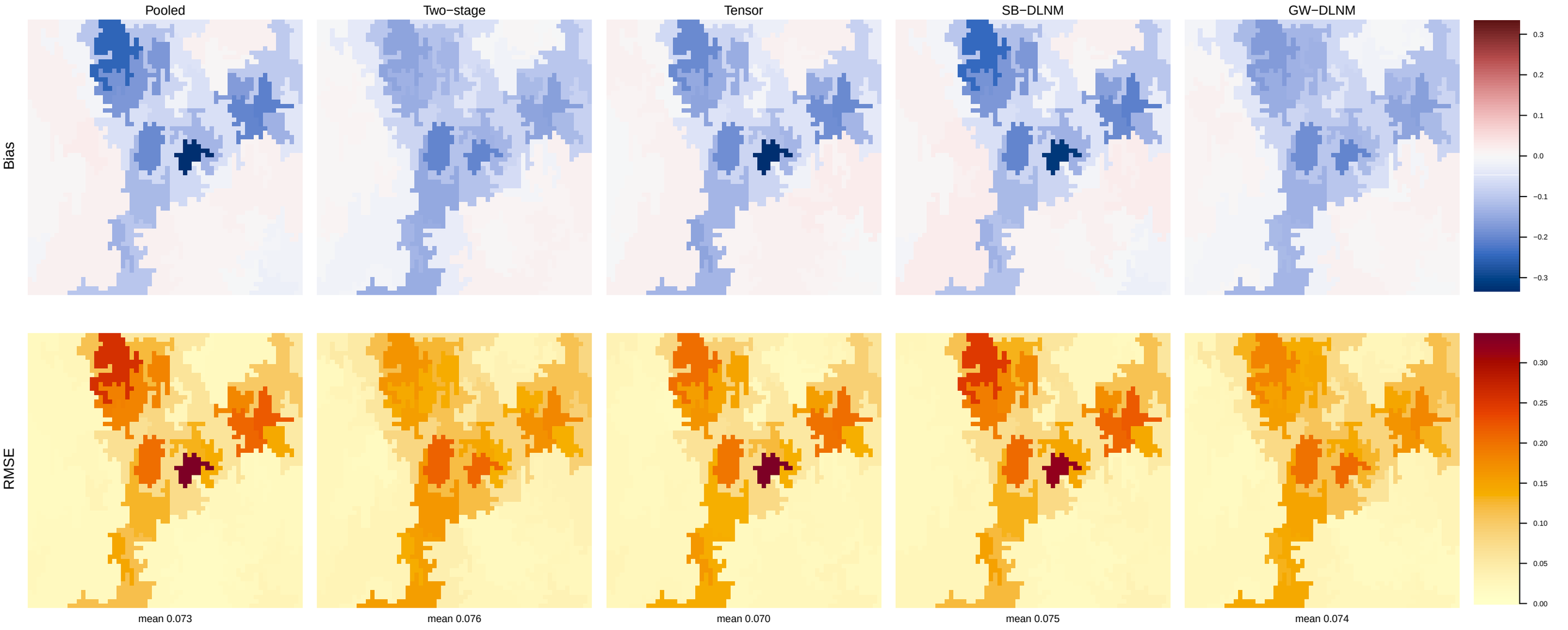
Scenario 353: square region, 60 counties, moderate inequality, local pattern, spread 0.15, edges gradient, unimodal exposure−response, event rate 8, RR 1.2, delayed lag



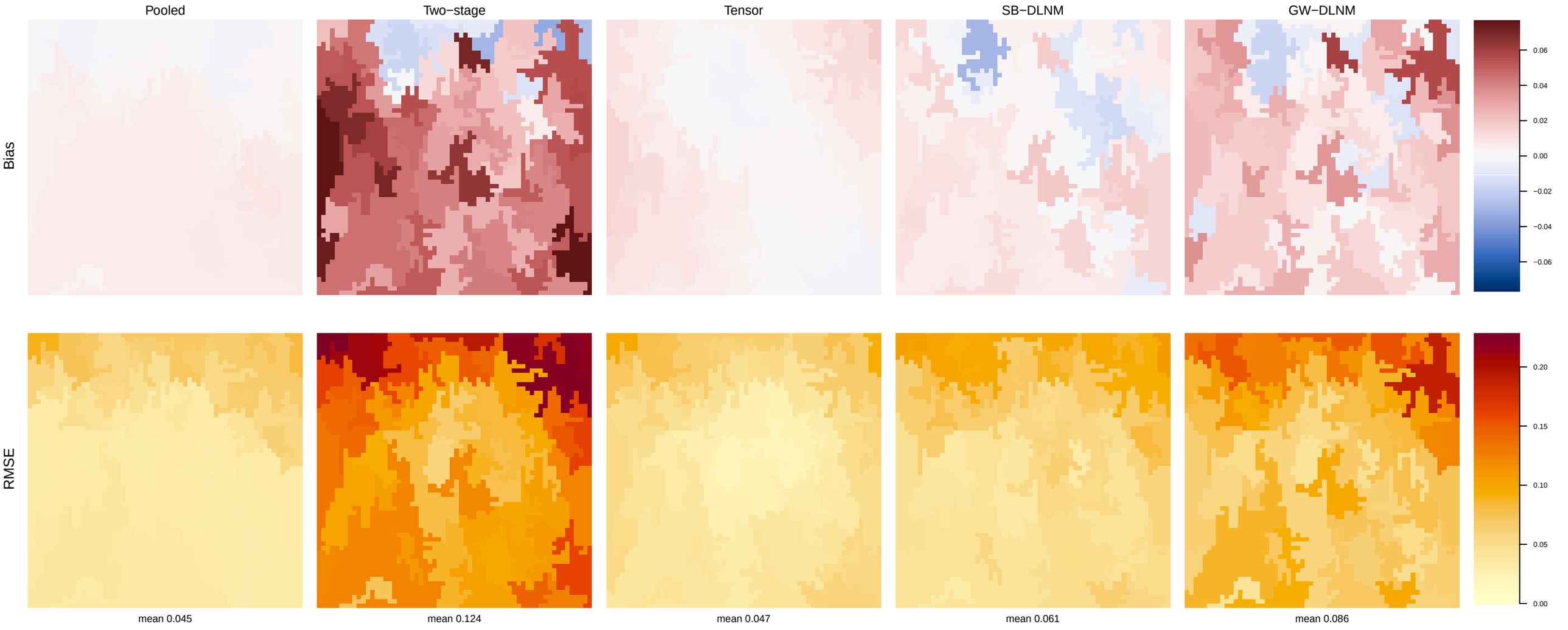
Scenario 417: square region, 60 counties, moderate inequality, regional pattern, spread 0.15, NS gradient, unimodal exposure−response, event rate 0.125, RR 1.6, decay lag



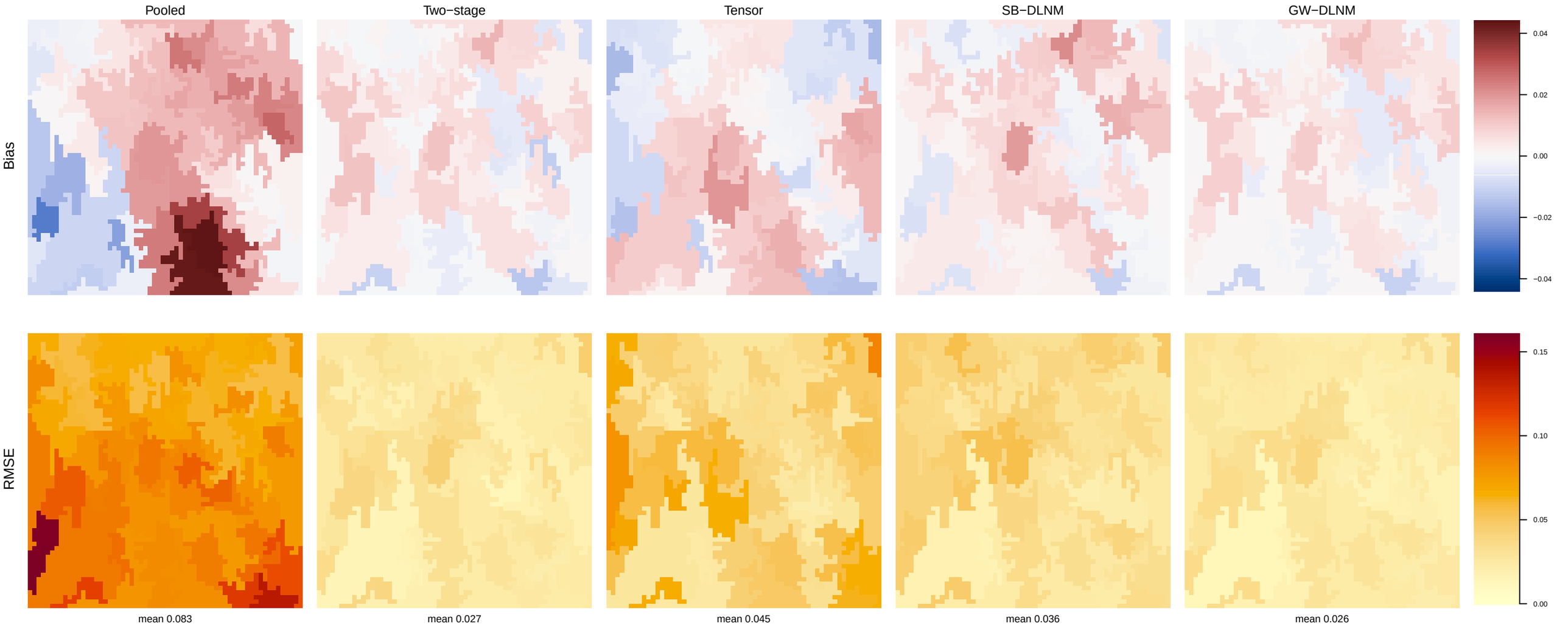
Scenario 481: square region, 60 counties, moderate inequality, boundary pattern, spread 0.15, ridge gradient, unimodal exposure−response, event rate 0.5, RR 1.0, short lag



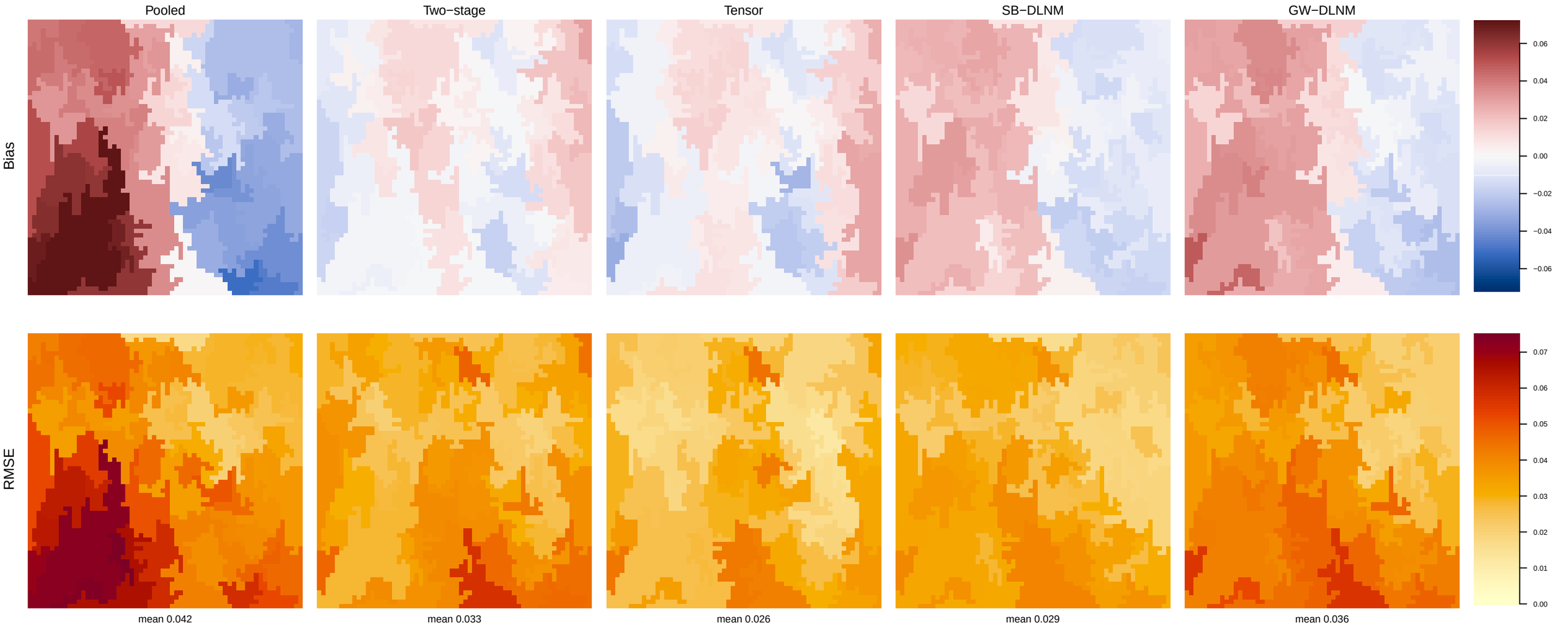
Scenario 289: square region, 60 counties, moderate inequality, independent pattern, spread 0.15, valley gradient, unimodal exposure−response, event rate 2, RR 1.4, harvest lag



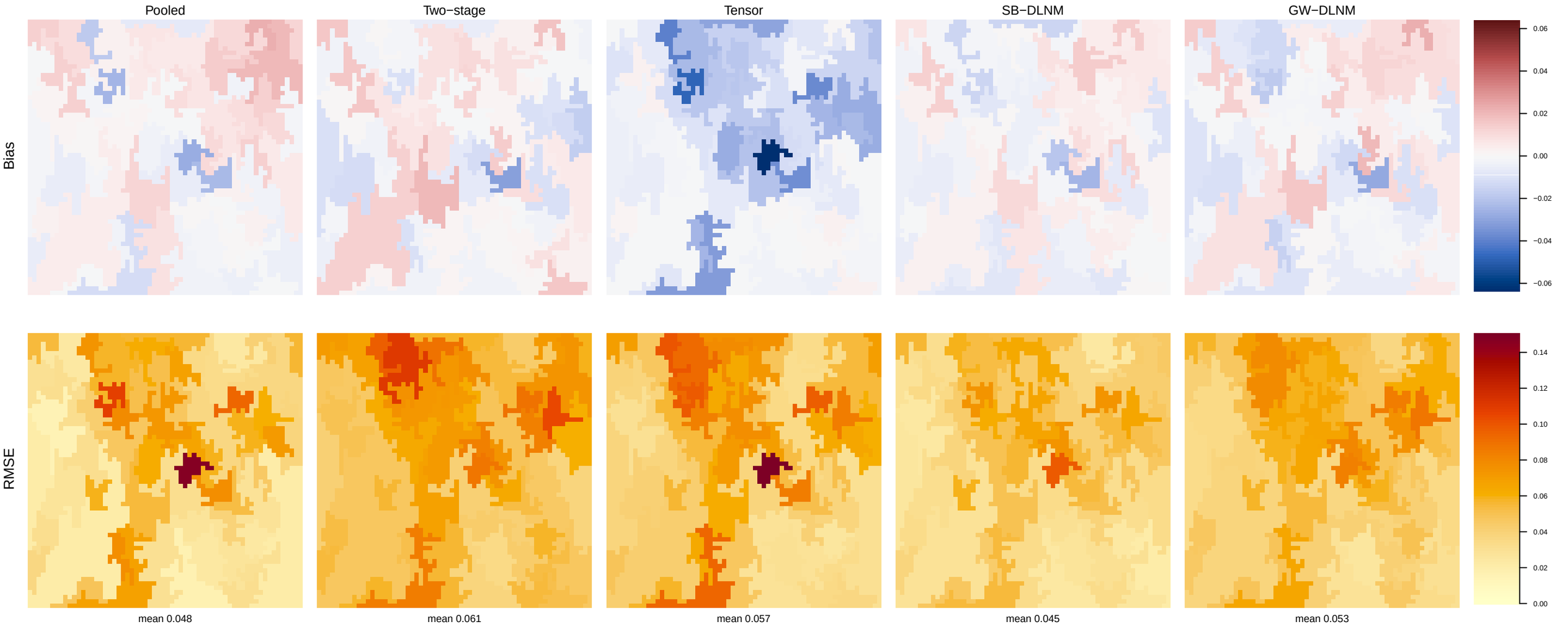
Scenario 609: square region, 60 counties, moderate inequality, local pattern, spread 0.30, edges gradient, J exposure−response, event rate 0.125, RR 1.0, short lag



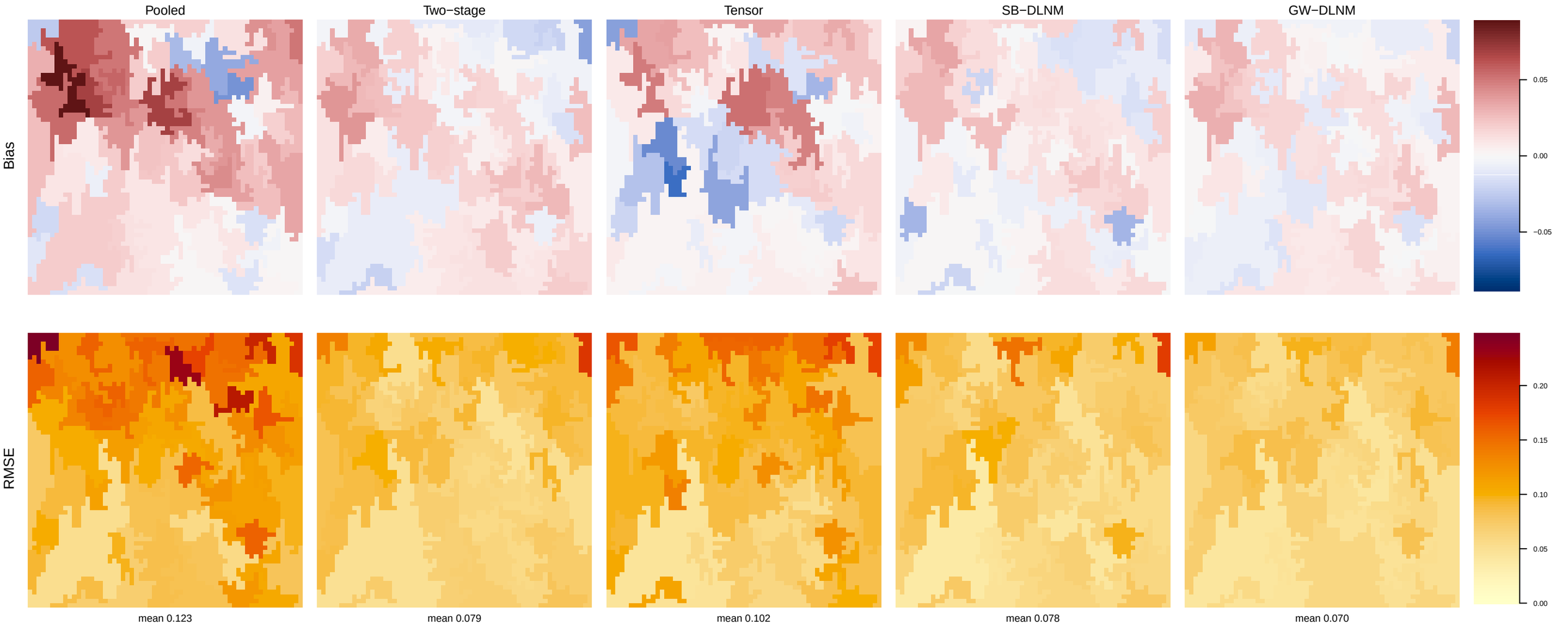
Scenario 673: square region, 60 counties, moderate inequality, regional pattern, spread 0.30, NS gradient, J exposure−response, event rate 8, RR 1.4, harvest lag



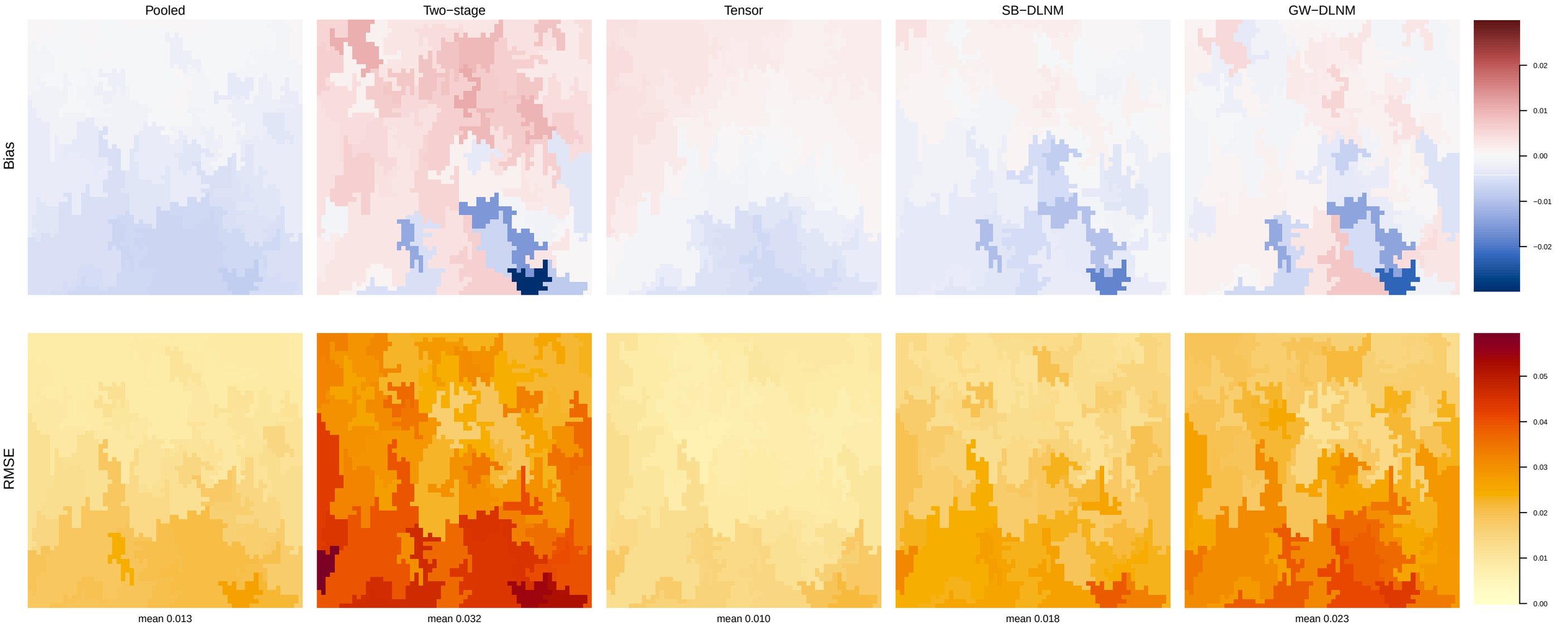
Scenario 737: square region, 60 counties, moderate inequality, boundary pattern, spread 0.30, ridge gradient, J exposure−response, event rate 2, RR 1.2, delayed lag



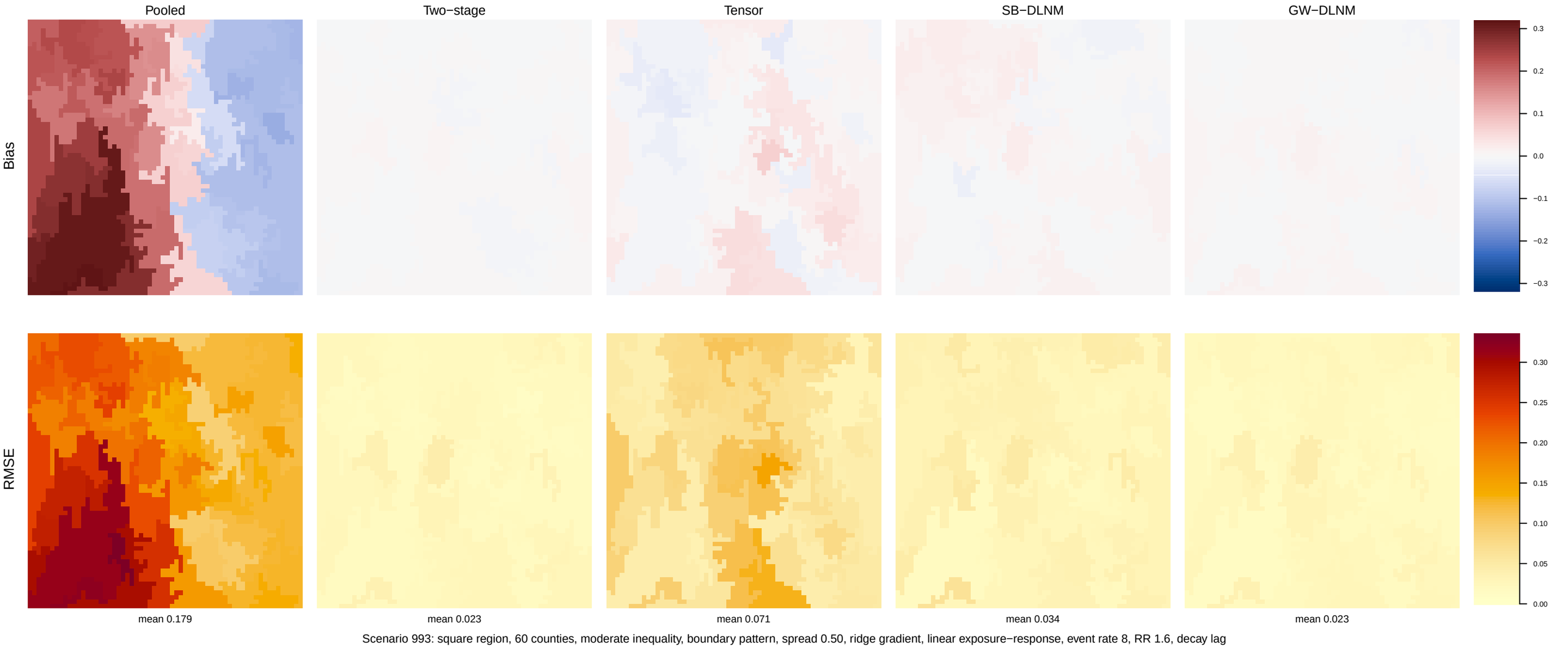
Scenario 545: square region, 60 counties, moderate inequality, independent pattern, spread 0.30, valley gradient, J exposure−response, event rate 0.5, RR 1.6, decay lag

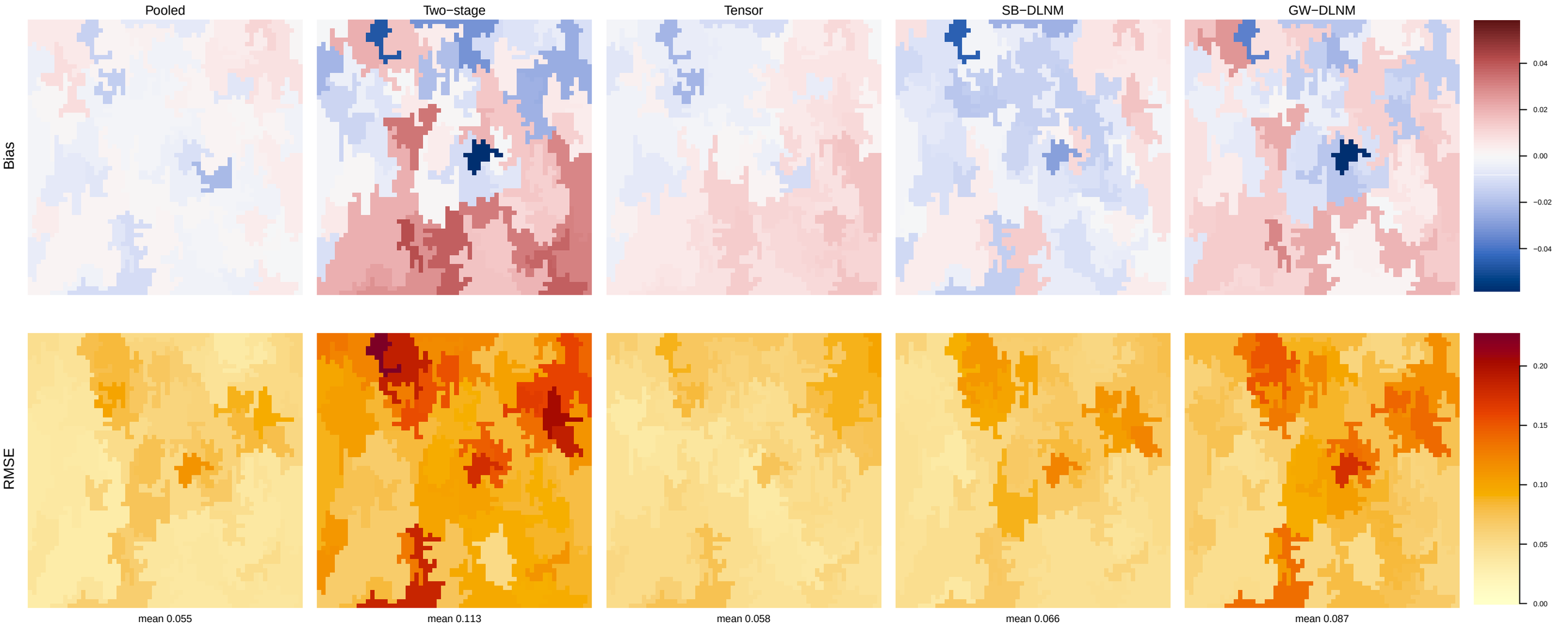


Scenario 865: square region, 60 counties, moderate inequality, local pattern, spread 0.50, edges gradient, linear exposure−response, event rate 0.5, RR 1.4, harvest lag

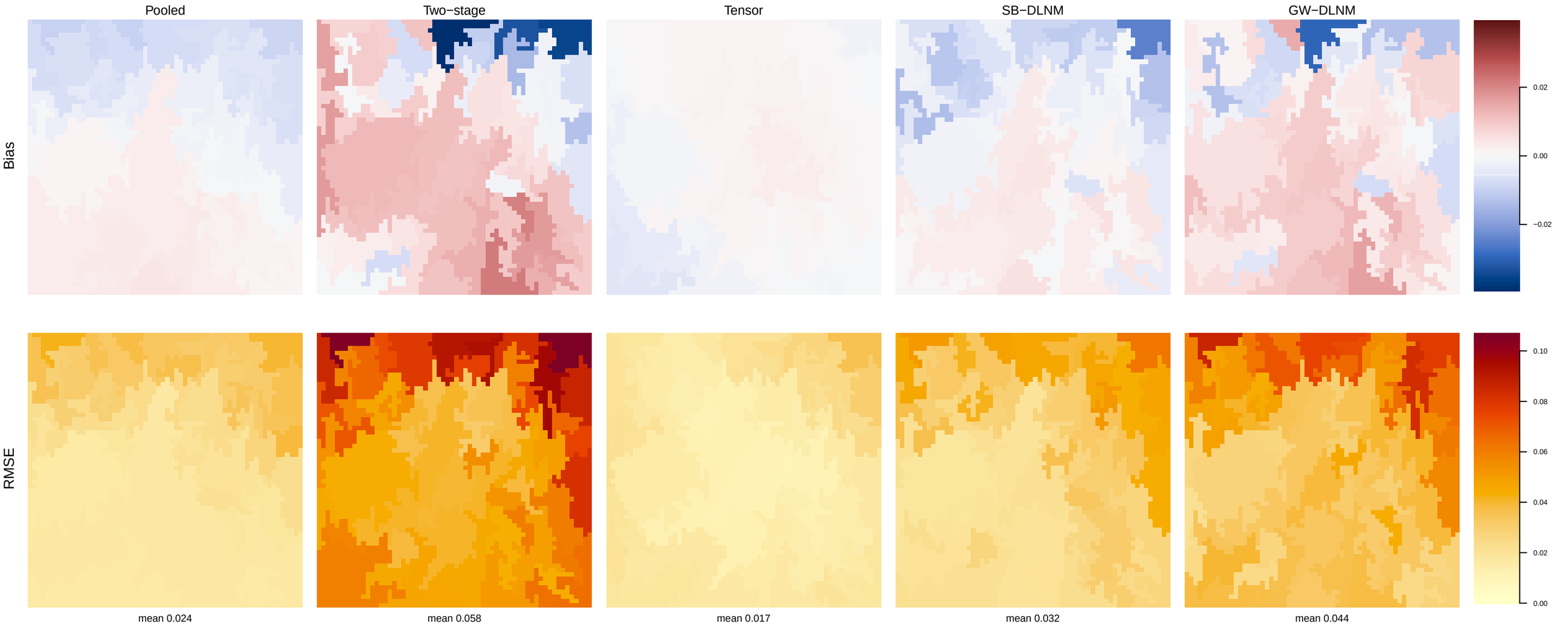


Scenario 929: square region, 60 counties, moderate inequality, regional pattern, spread 0.50, NS gradient, linear exposure−response, event rate 2, RR 1.0, short lag

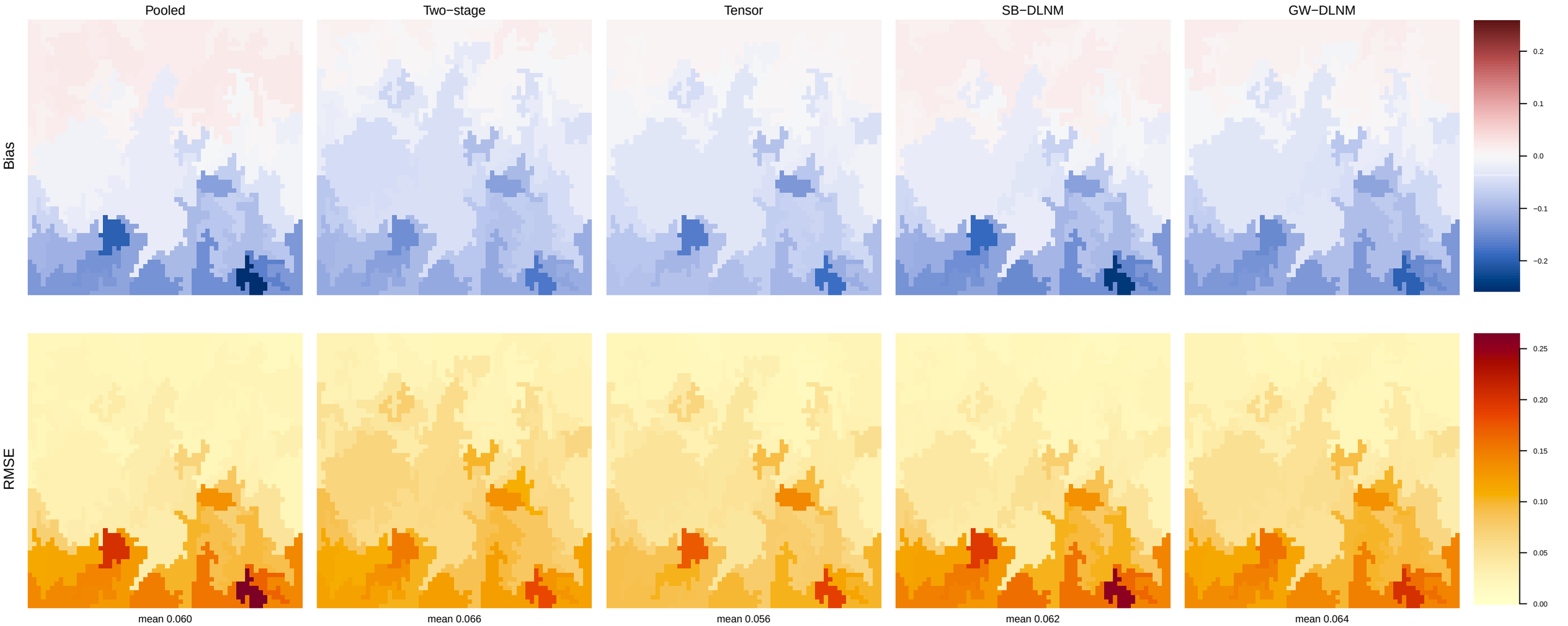

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.30
0.25
0.20
0.15
0.10
0.05
0.00
mean 0.179
mean 0.023
mean 0.071
mean 0.034
mean 0.023
Scenario 993: square region, 60 counties, moderate inequality, boundary pattern, spread 0.50, ridge gradient, linear exposure−response, event rate 8, RR 1.6, decay lag



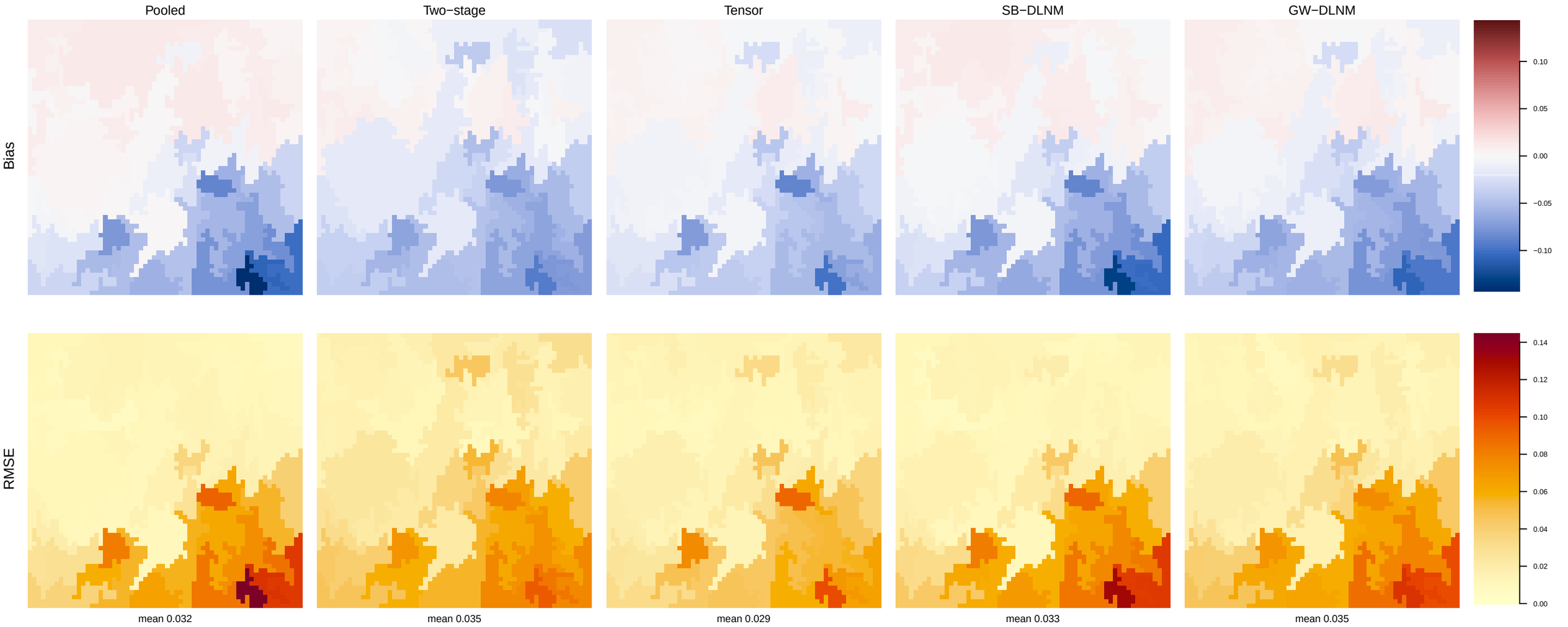
Scenario 801: square region, 60 counties, moderate inequality, independent pattern, spread 0.50, valley gradient, linear exposure−response, event rate 0.125, RR 1.2, delayed lag



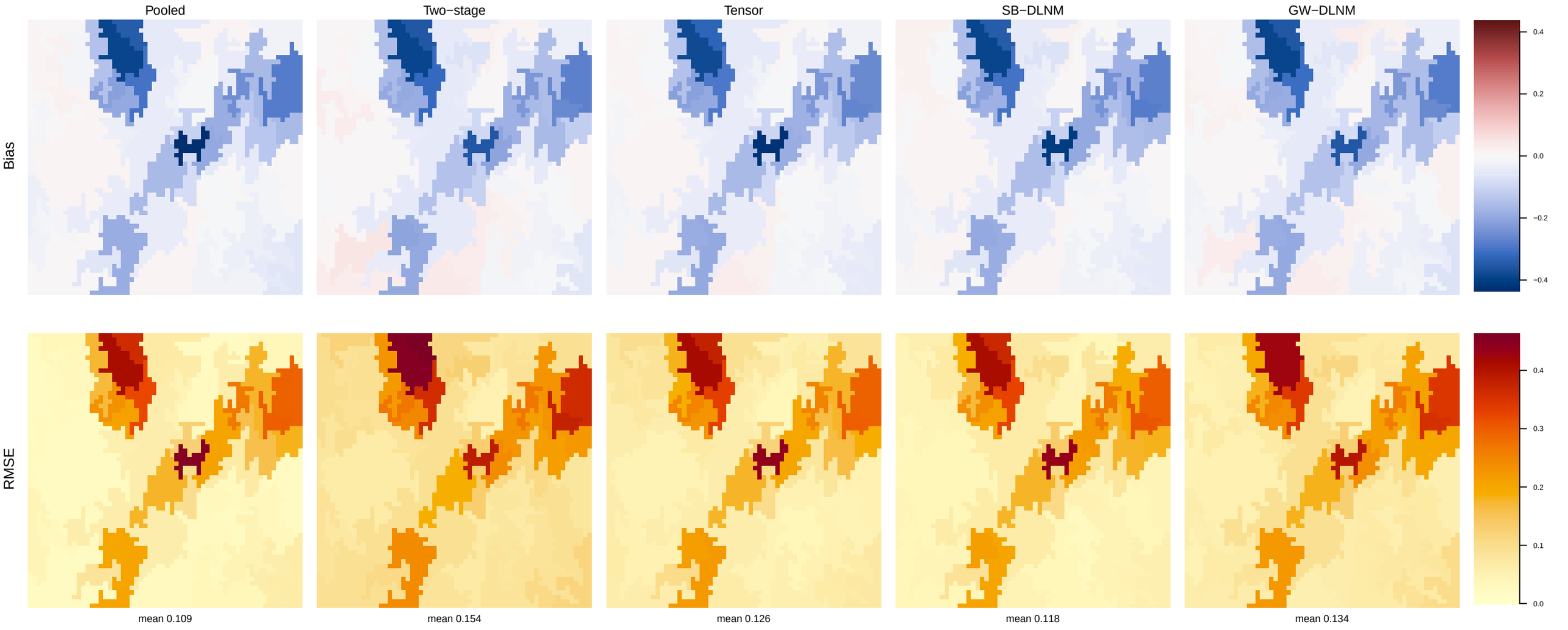
Scenario 49: square region, 60 counties, extreme inequality, independent pattern, spread 0.00, edges gradient, unimodal exposure−response, event rate 0.5, RR 1.0, harvest lag



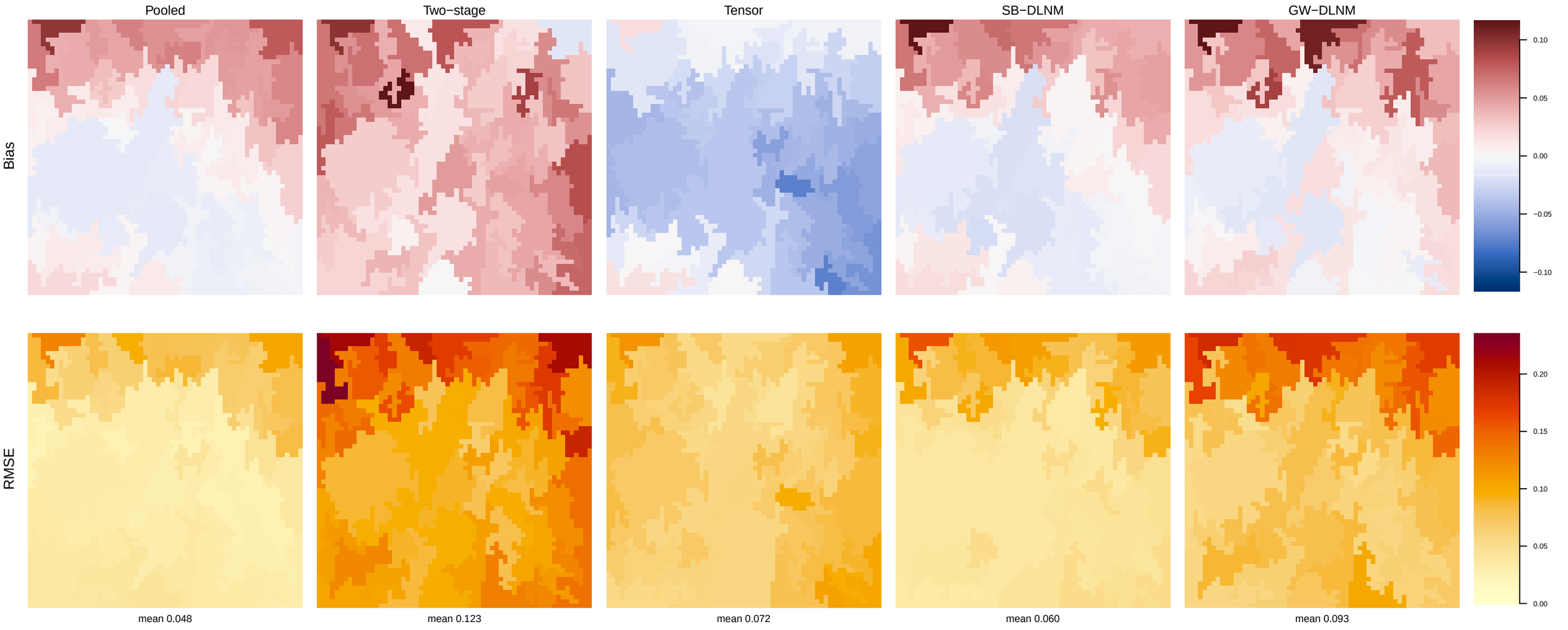
Scenario 241: square region, 60 counties, extreme inequality, boundary pattern, spread 0.00, NS gradient, unimodal exposure−response, event rate 2, RR 1.4, short lag



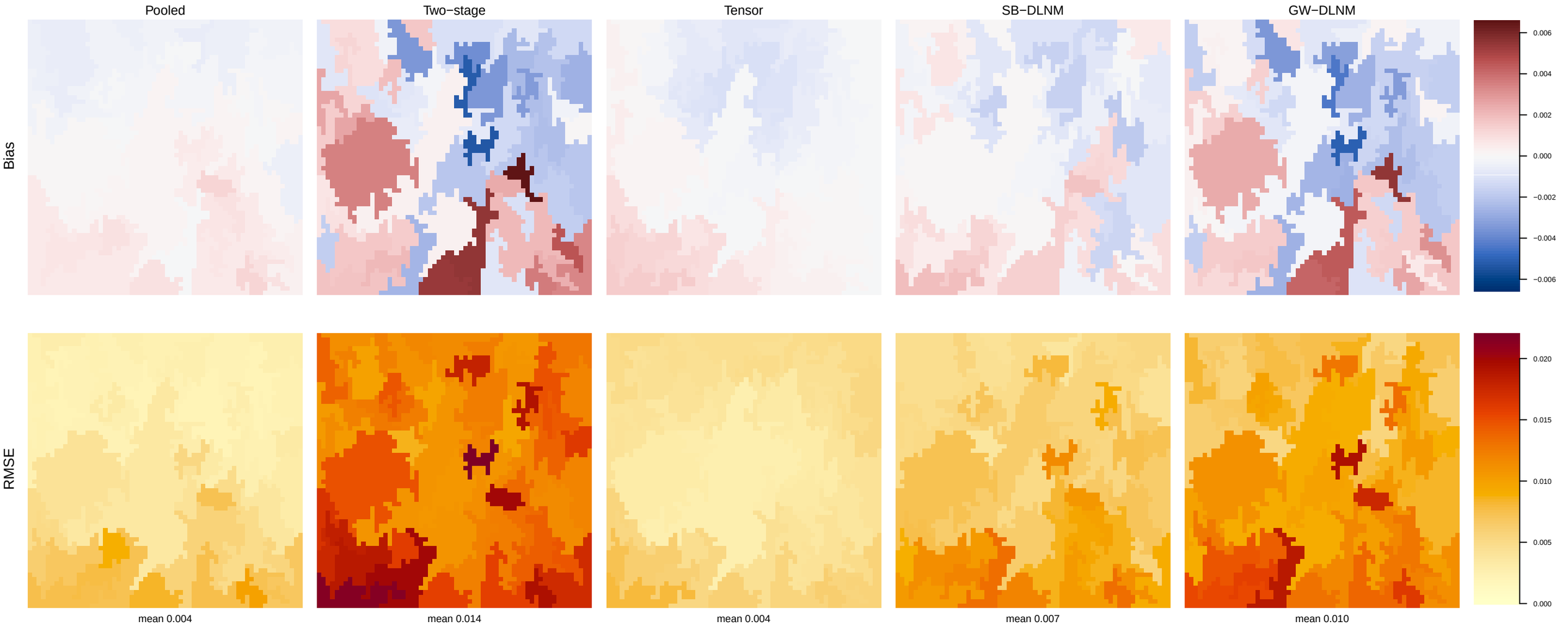
Scenario 177: square region, 60 counties, extreme inequality, regional pattern, spread 0.00, ridge gradient, unimodal exposure−response, event rate 8, RR 1.2, decay lag



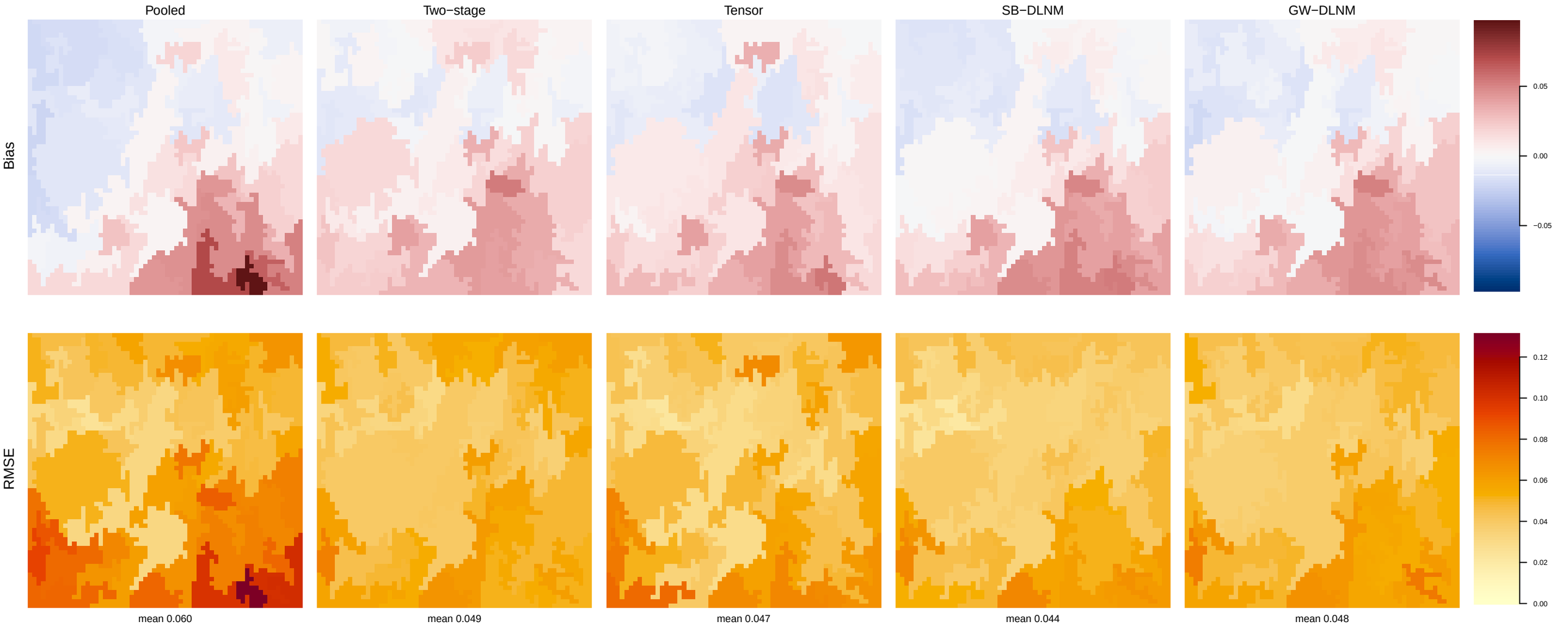
Scenario 113: square region, 60 counties, extreme inequality, local pattern, spread 0.00, valley gradient, unimodal exposure−response, event rate 0.125, RR 1.6, delayed lag



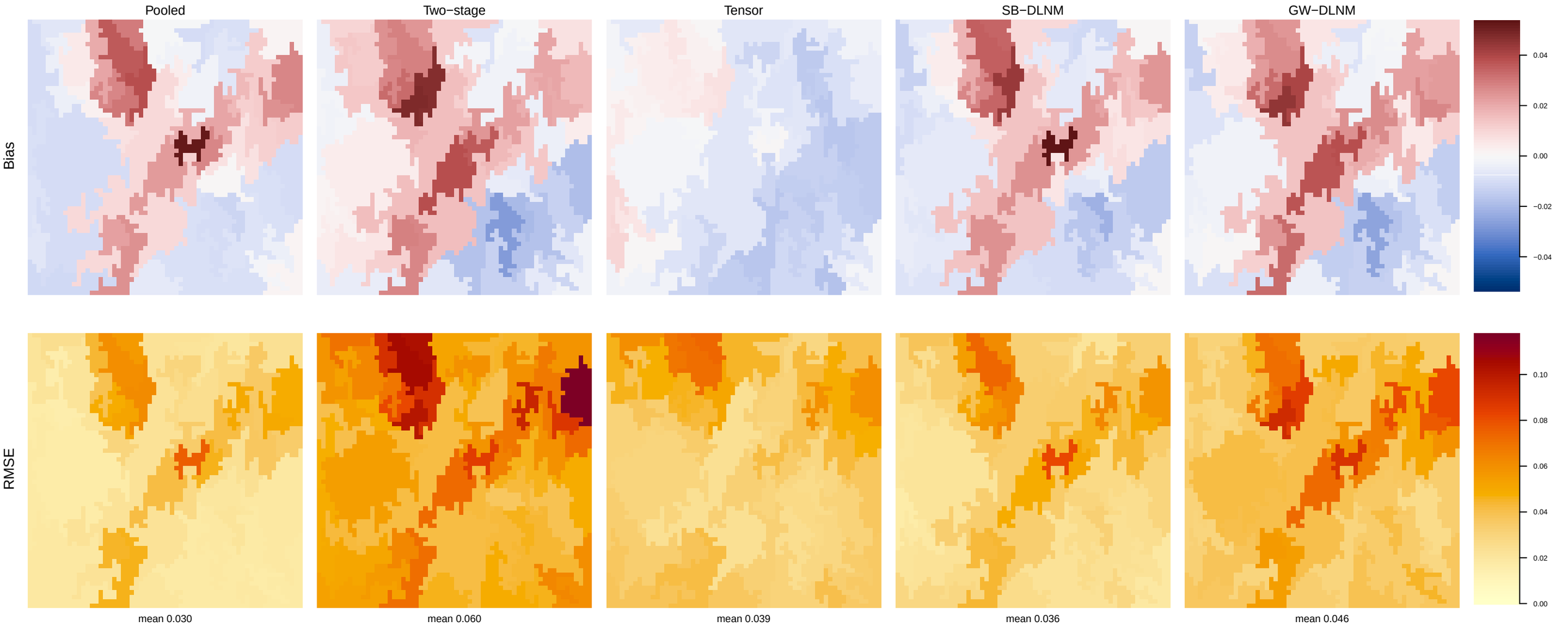
Scenario 305: square region, 60 counties, extreme inequality, independent pattern, spread 0.15, edges gradient, threshold exposure−response, event rate 0.125, RR 1.4, short lag



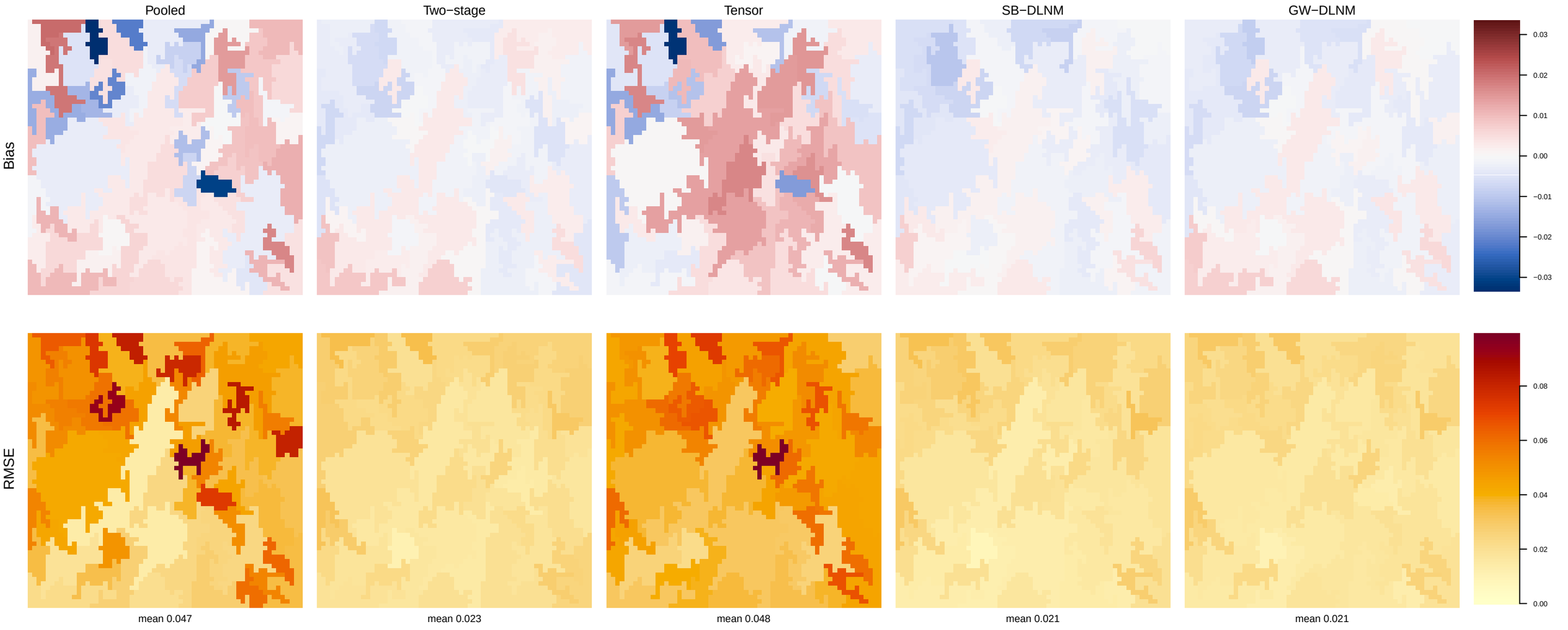
Scenario 497: square region, 60 counties, extreme inequality, boundary pattern, spread 0.15, NS gradient, threshold exposure−response, event rate 8, RR 1.0, harvest lag



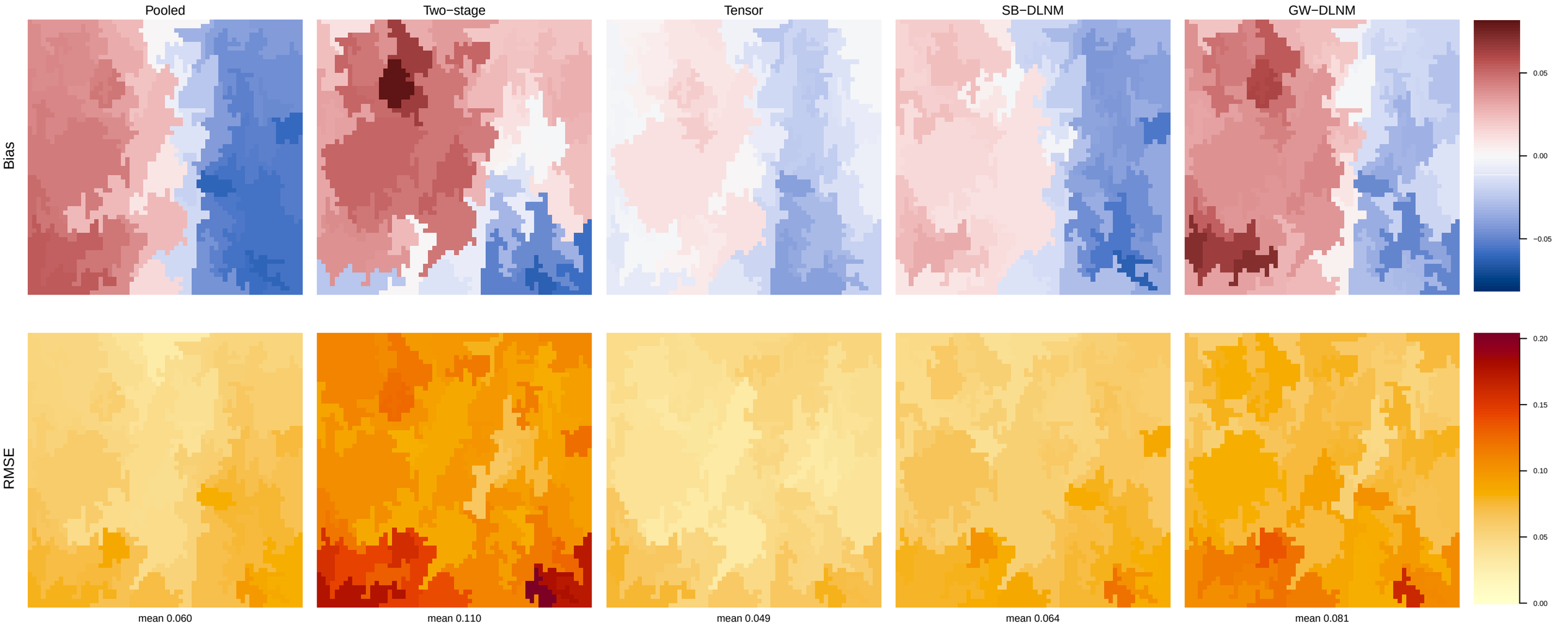
Scenario 433: square region, 60 counties, extreme inequality, regional pattern, spread 0.15, ridge gradient, threshold exposure−response, event rate 2, RR 1.6, delayed lag



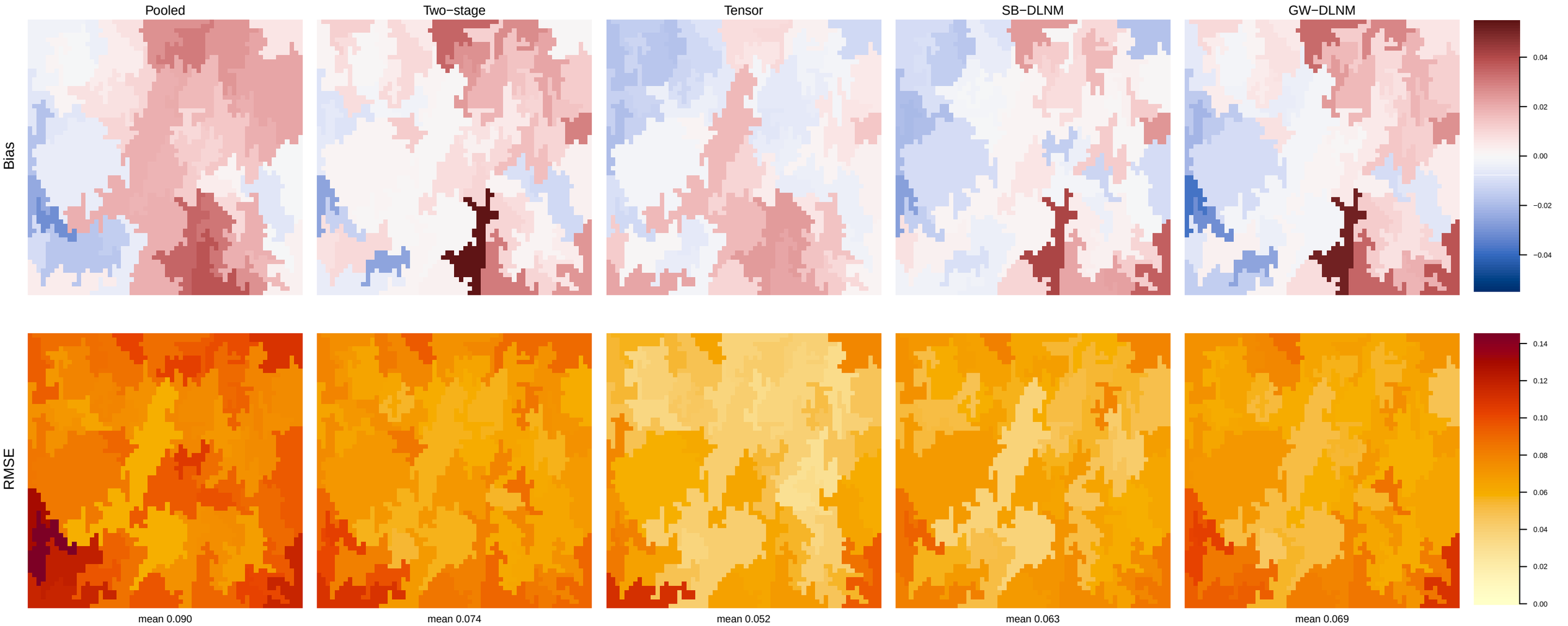
Scenario 369: square region, 60 counties, extreme inequality, local pattern, spread 0.15, valley gradient, threshold exposure−response, event rate 0.5, RR 1.2, decay lag



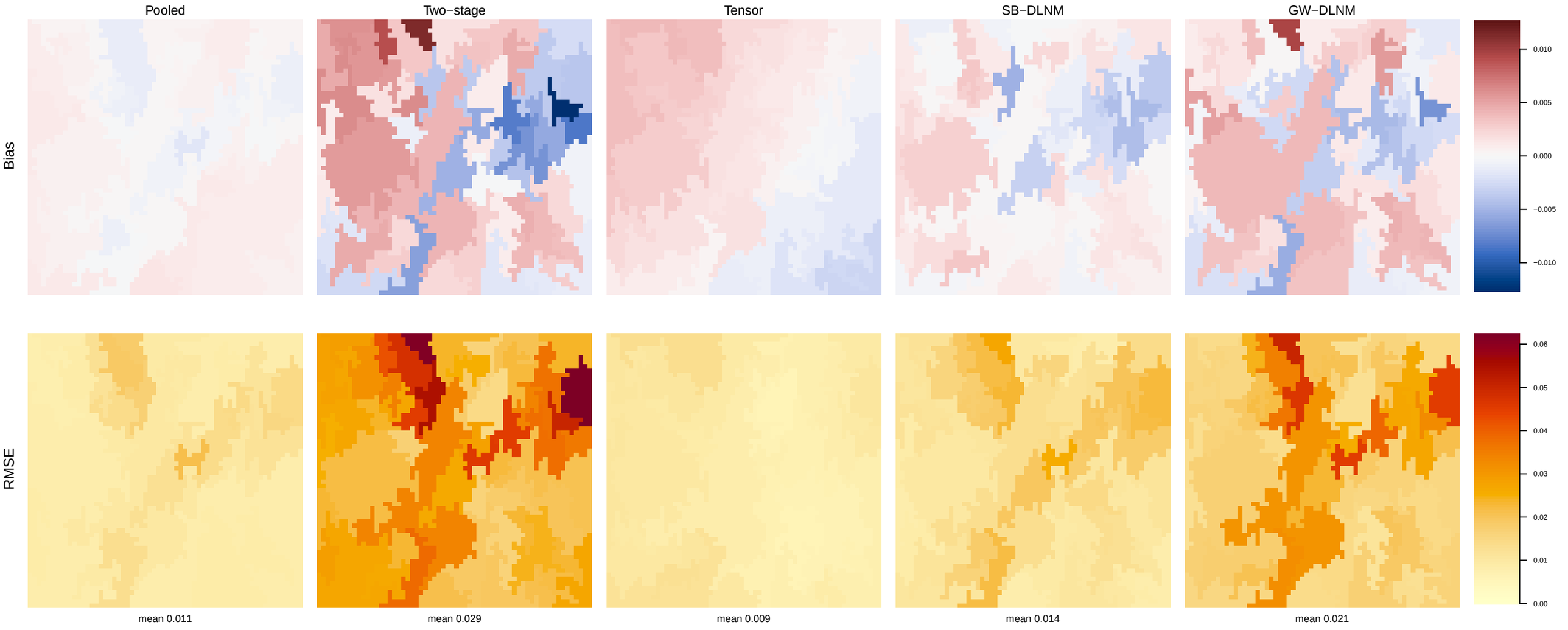
Scenario 561: square region, 60 counties, extreme inequality, independent pattern, spread 0.30, edges gradient, linear exposure−response, event rate 8, RR 1.6, delayed lag



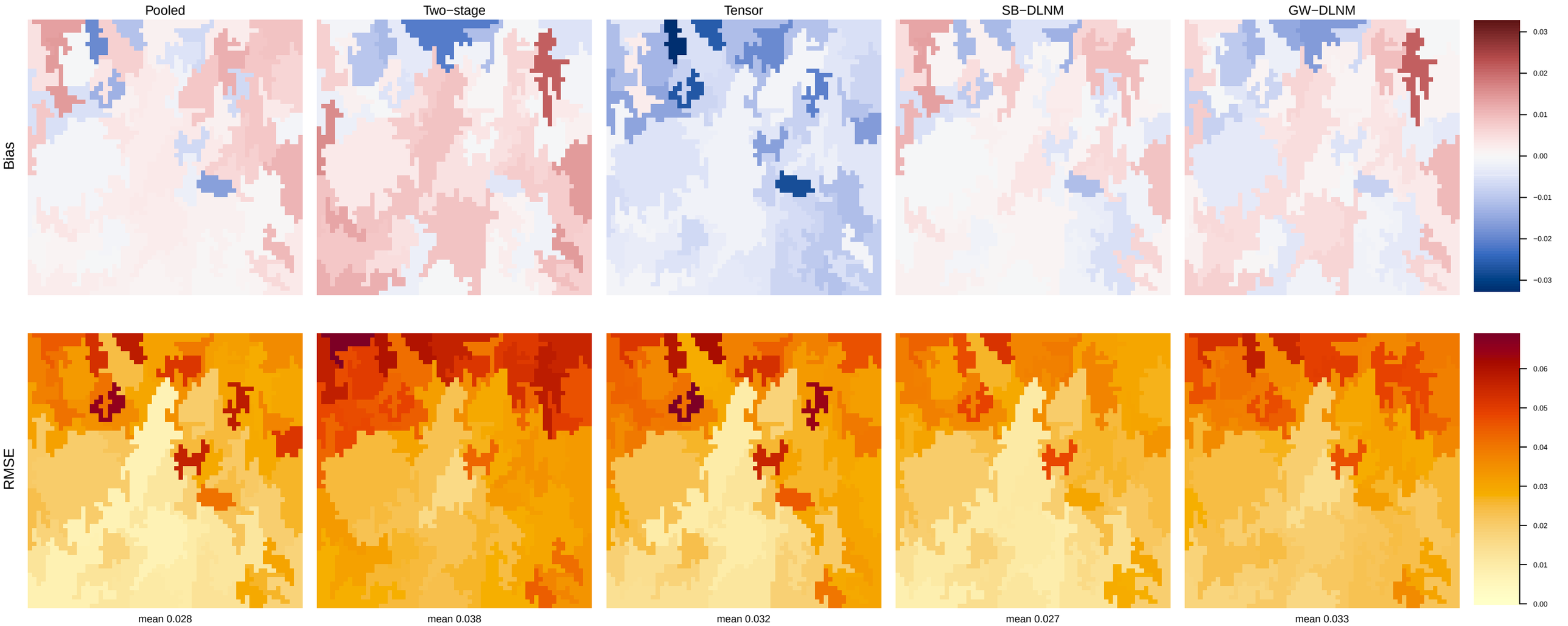
Scenario 753: square region, 60 counties, extreme inequality, boundary pattern, spread 0.30, NS gradient, linear exposure−response, event rate 0.125, RR 1.2, decay lag



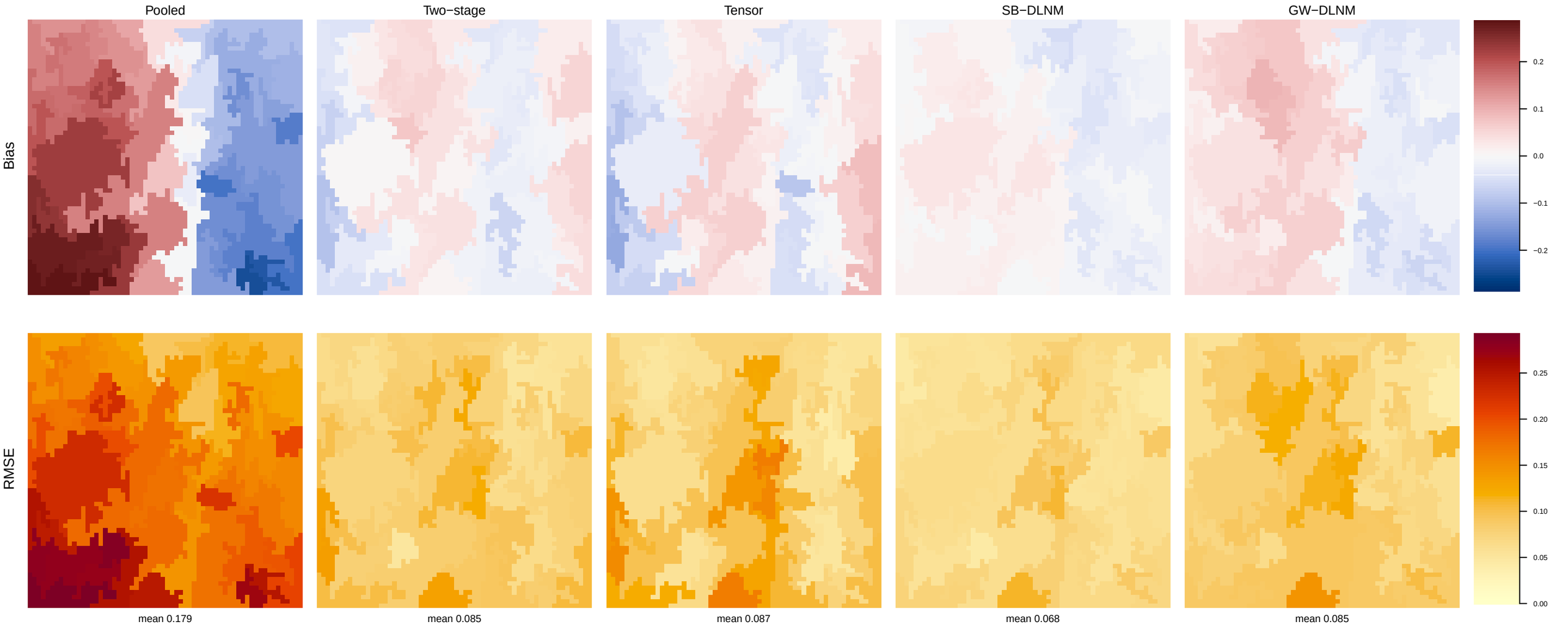
Scenario 689: square region, 60 counties, extreme inequality, regional pattern, spread 0.30, ridge gradient, linear exposure−response, event rate 0.5, RR 1.4, short lag



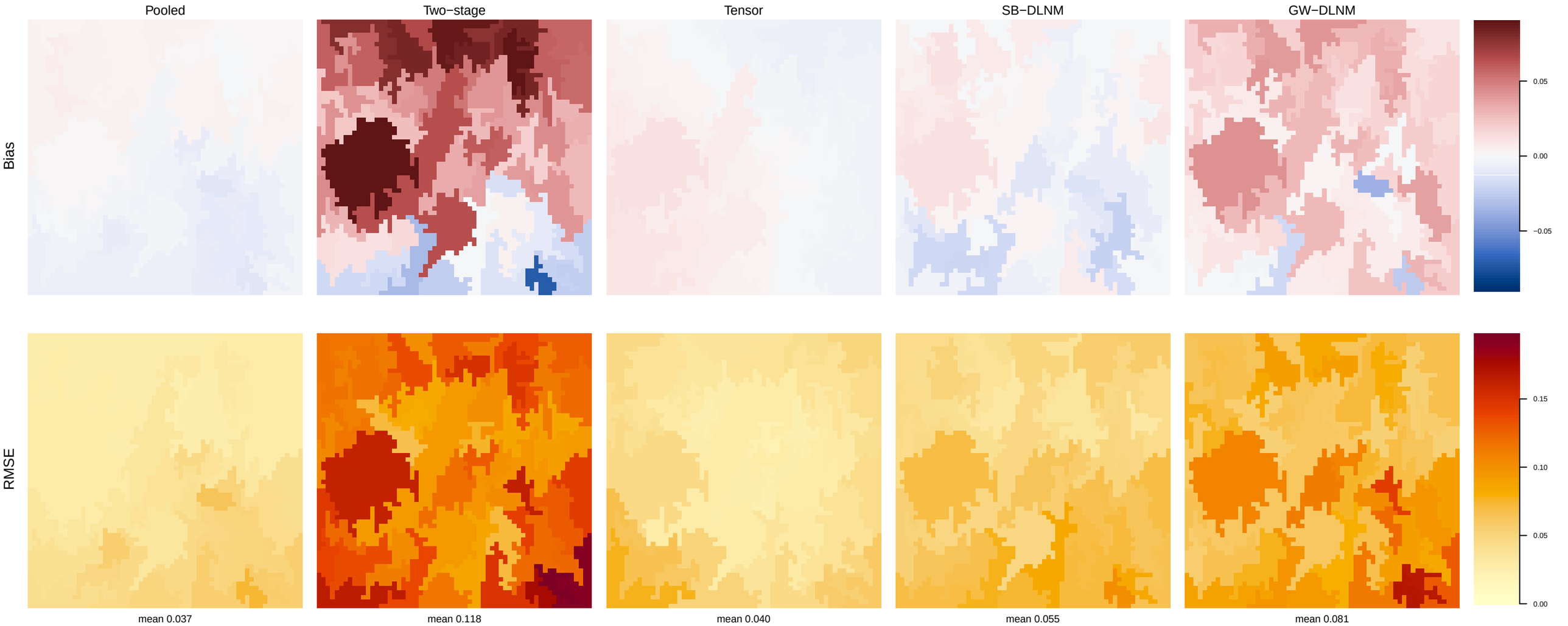
Scenario 625: square region, 60 counties, extreme inequality, local pattern, spread 0.30, valley gradient, linear exposure−response, event rate 2, RR 1.0, harvest lag



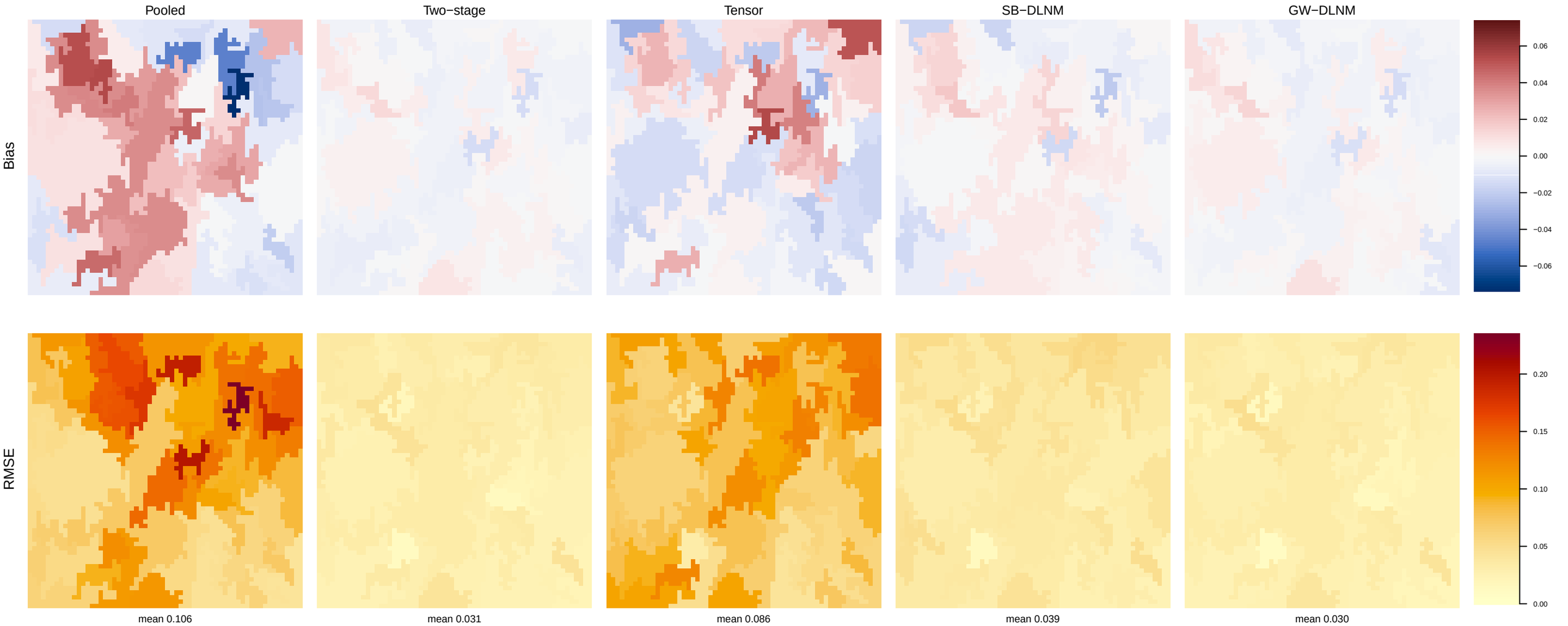
Scenario 817: square region, 60 counties, extreme inequality, independent pattern, spread 0.50, edges gradient, J exposure−response, event rate 2, RR 1.2, decay lag



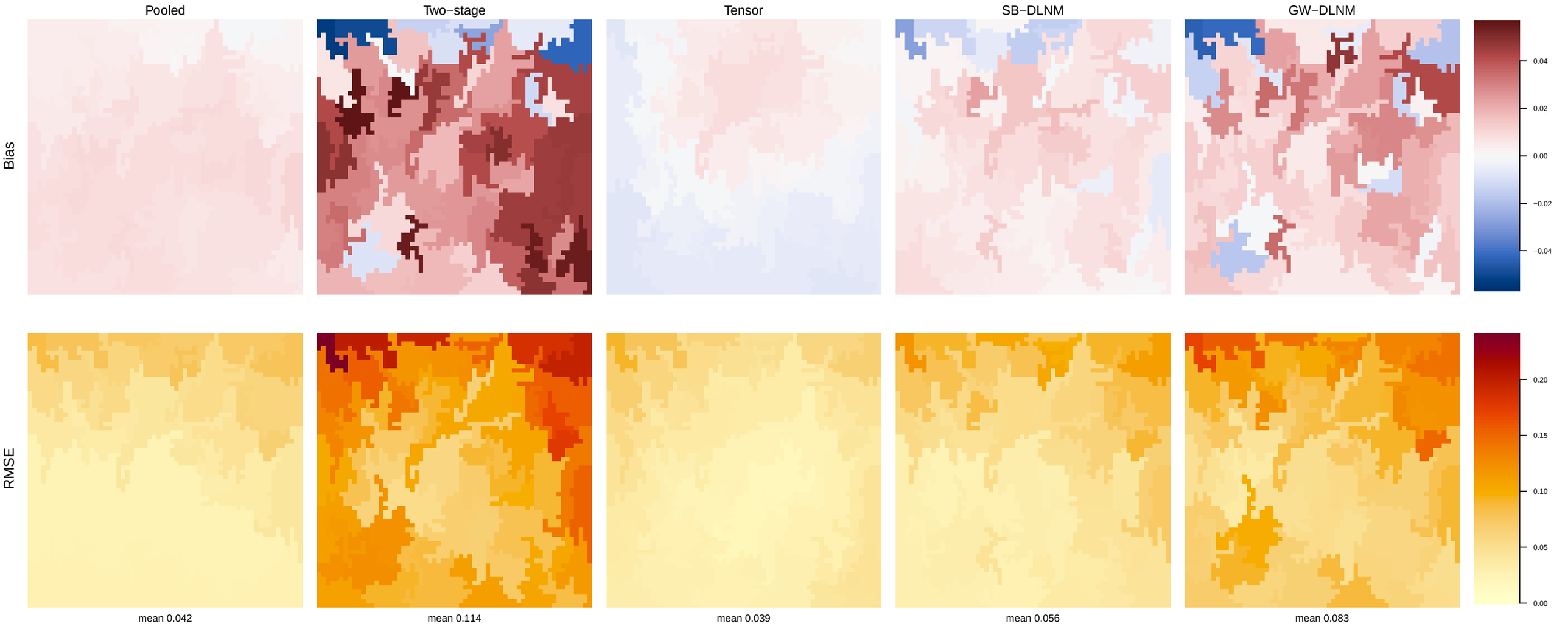
Scenario 1009: square region, 60 counties, extreme inequality, boundary pattern, spread 0.50, NS gradient, J exposure−response, event rate 0.5, RR 1.6, delayed lag



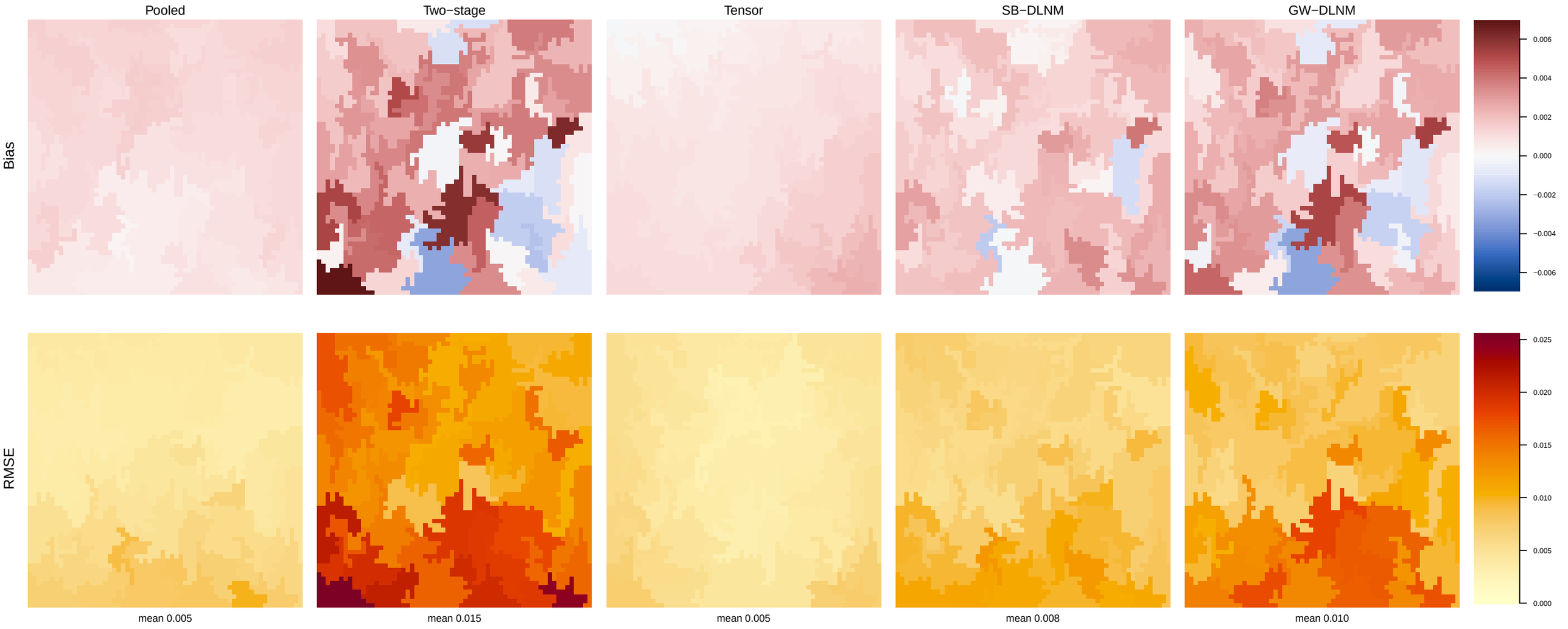
Scenario 945: square region, 60 counties, extreme inequality, regional pattern, spread 0.50, ridge gradient, J exposure−response, event rate 0.125, RR 1.0, harvest lag



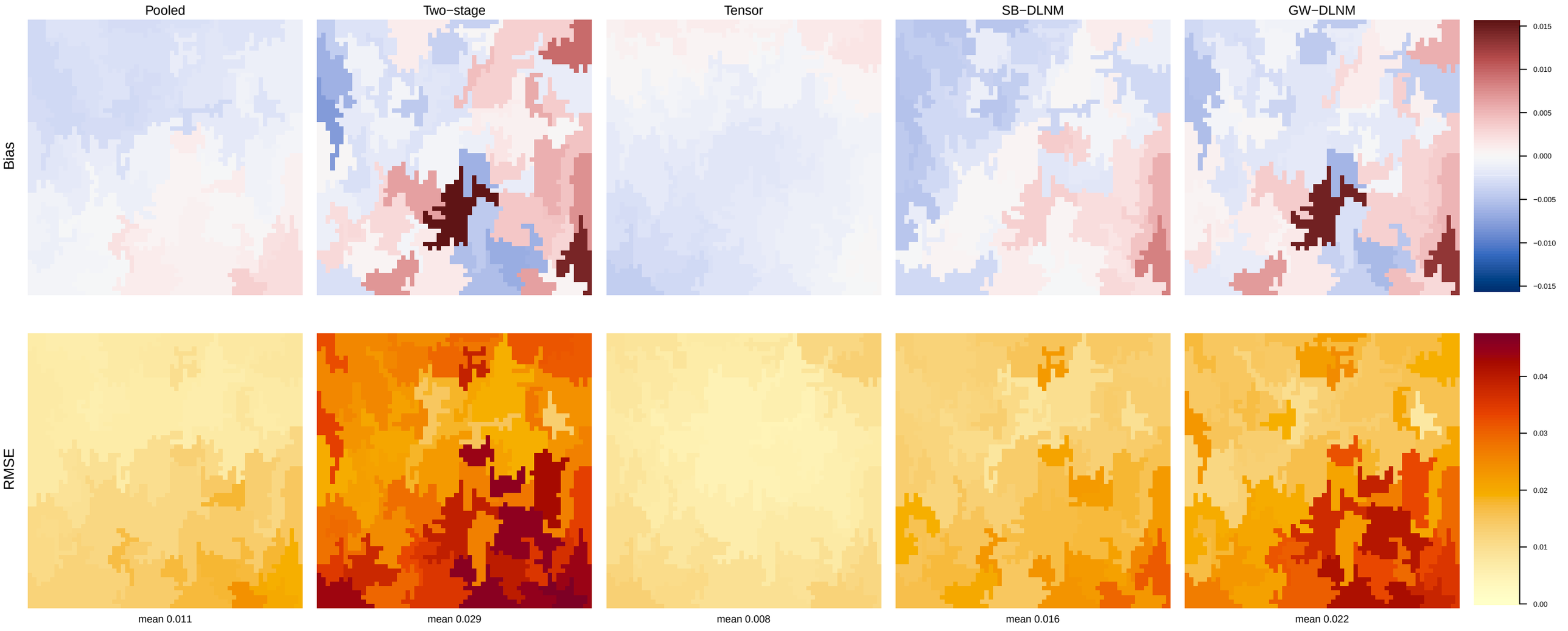
Scenario 881: square region, 60 counties, extreme inequality, local pattern, spread 0.50, valley gradient, J exposure−response, event rate 8, RR 1.4, short lag



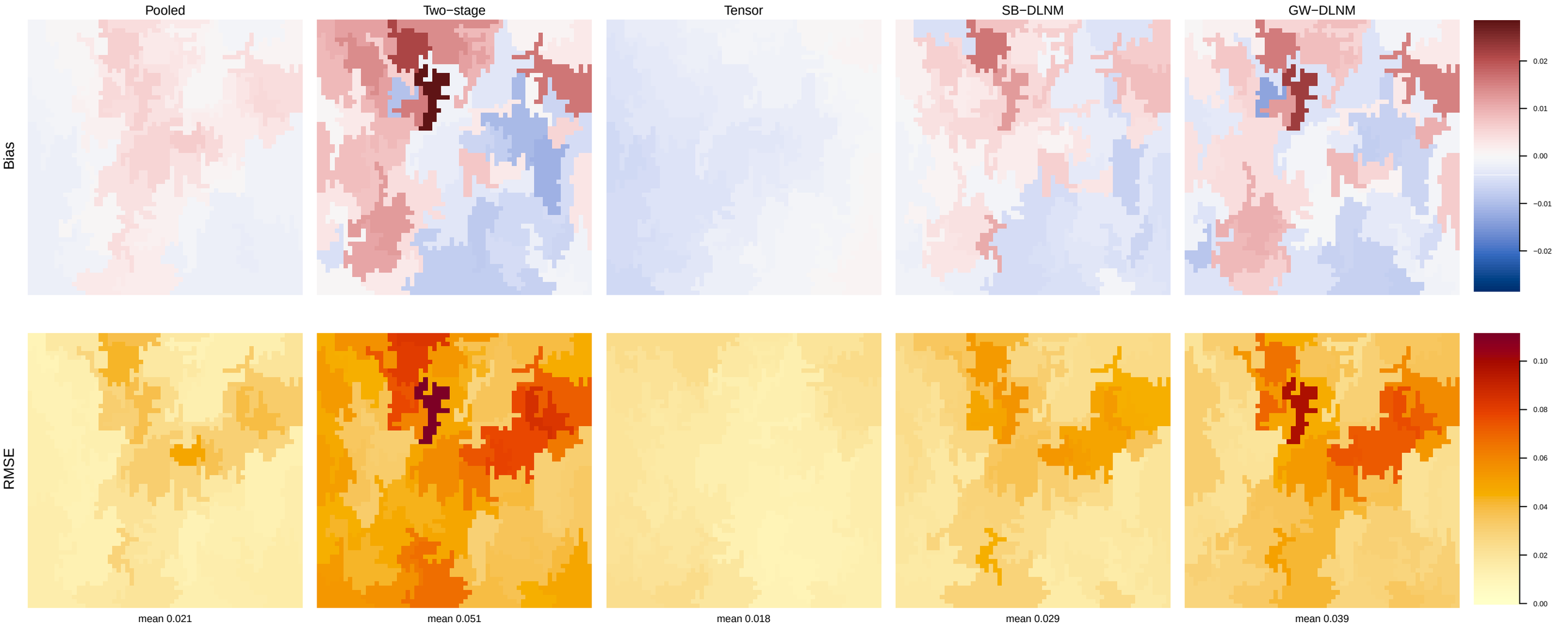
Scenario 145: square region, 60 counties, mild inequality, regional pattern, spread 0.00, edges gradient, linear exposure−response, event rate 0.125, RR 1.2, short lag



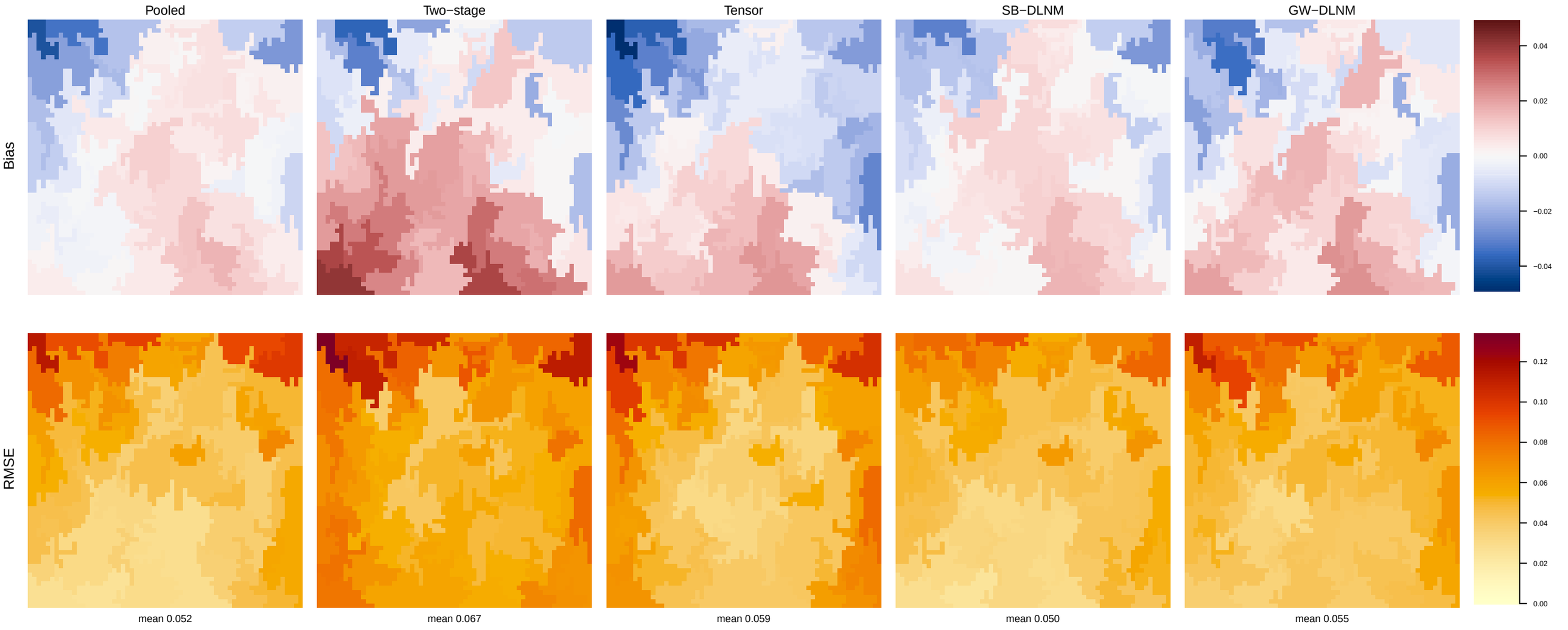
Scenario 81: square region, 60 counties, mild inequality, local pattern, spread 0.00, NS gradient, linear exposure−response, event rate 8, RR 1.6, harvest lag



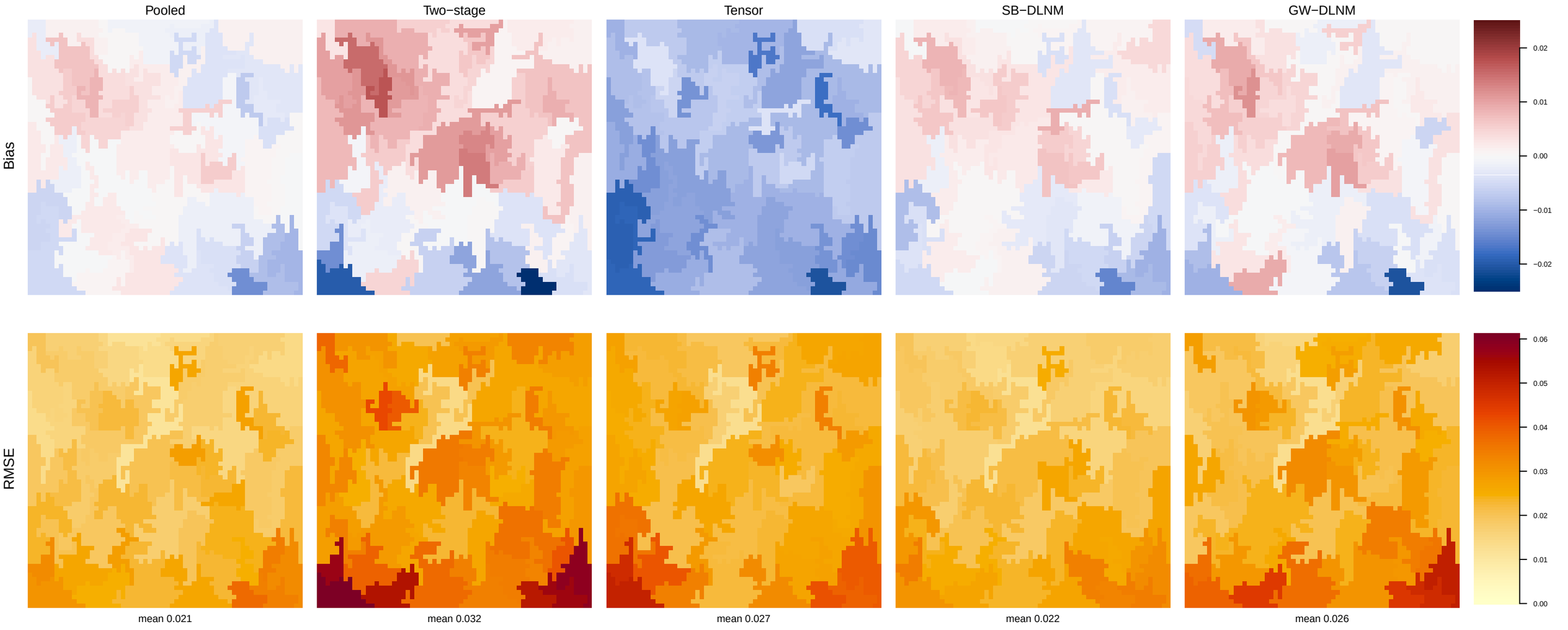
Scenario 17: square region, 60 counties, mild inequality, independent pattern, spread 0.00, ridge gradient, linear exposure−response, event rate 2, RR 1.0, delayed lag



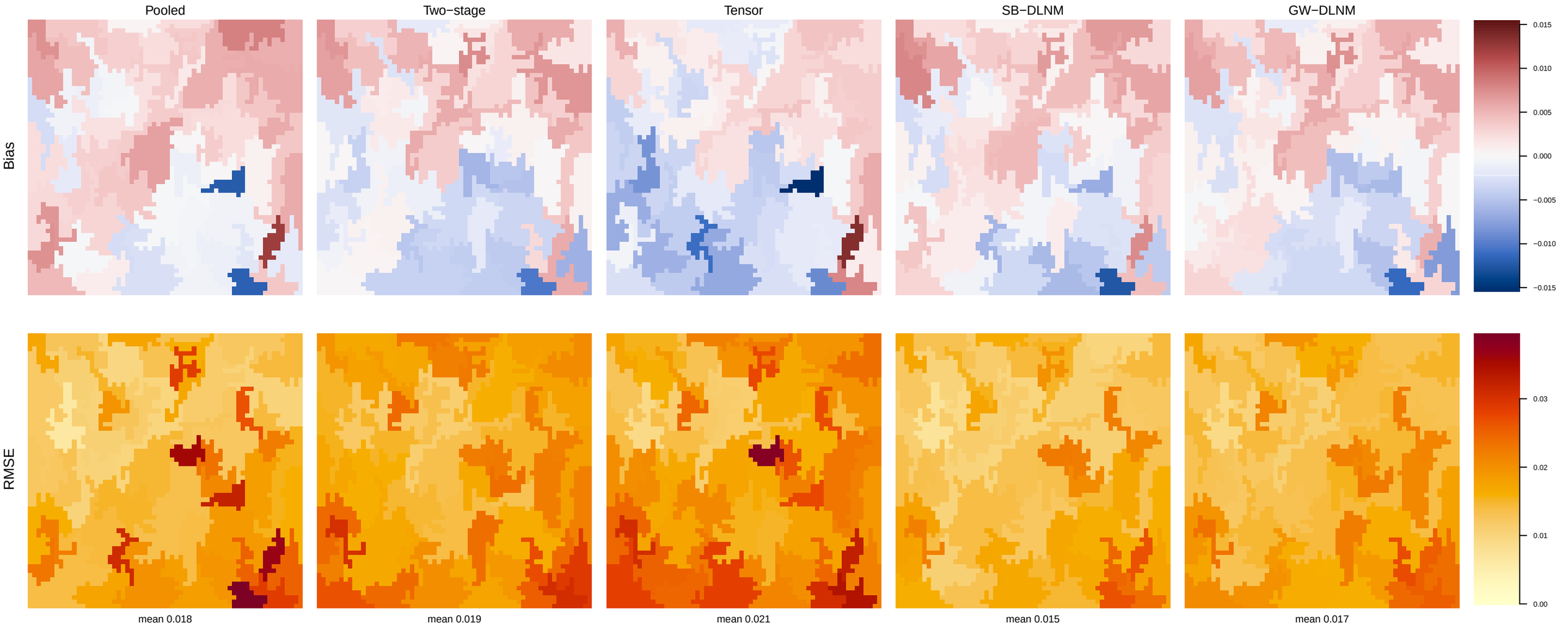
Scenario 209: square region, 60 counties, mild inequality, boundary pattern, spread 0.00, valley gradient, linear exposure−response, event rate 0.5, RR 1.4, decay lag



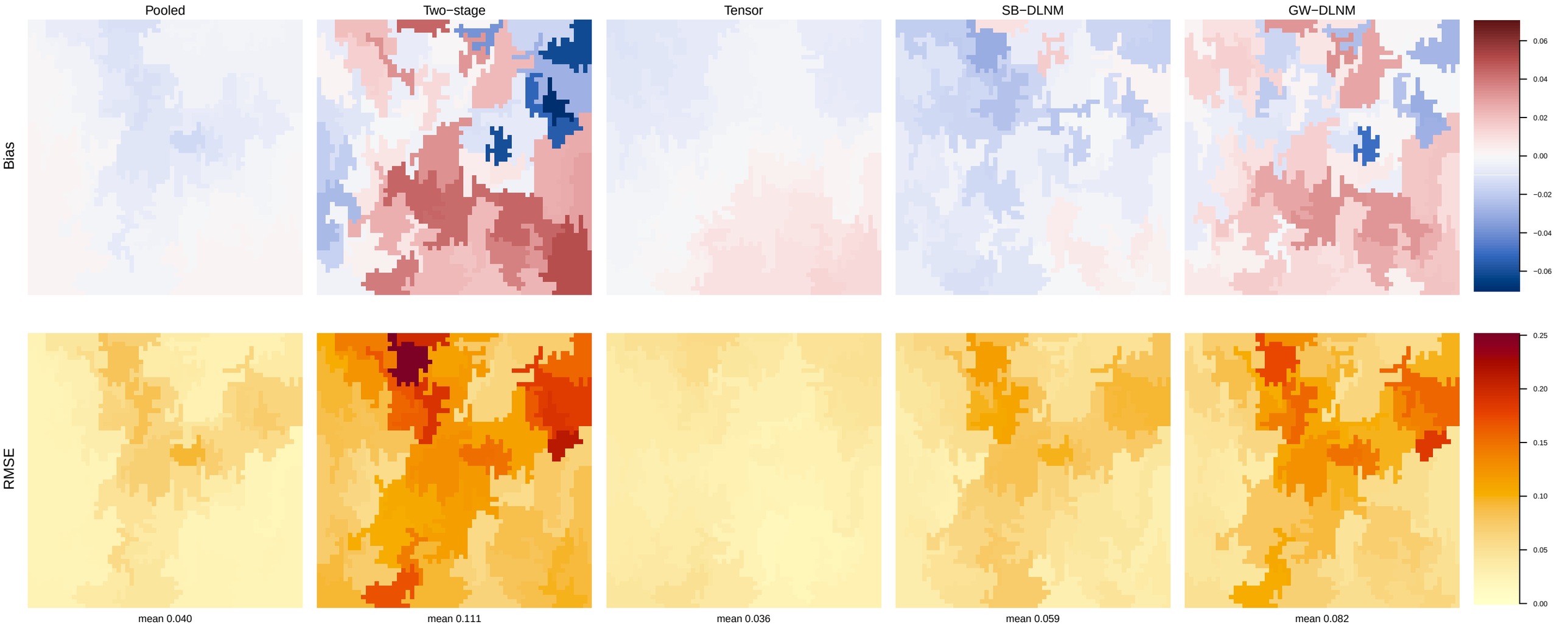
Scenario 401: square region, 60 counties, mild inequality, regional pattern, spread 0.15, edges gradient, J exposure−response, event rate 0.5, RR 1.6, harvest lag



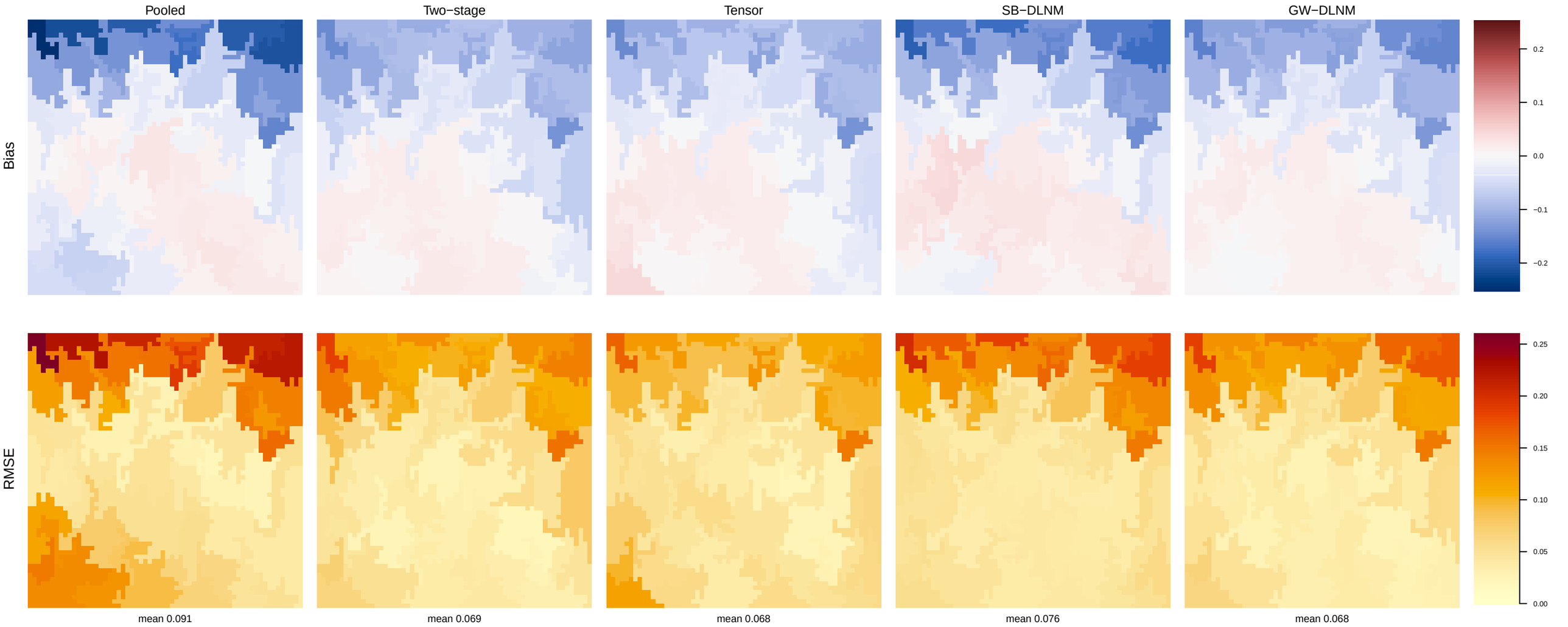
Scenario 337: square region, 60 counties, mild inequality, local pattern, spread 0.15, NS gradient, J exposure−response, event rate 2, RR 1.2, short lag



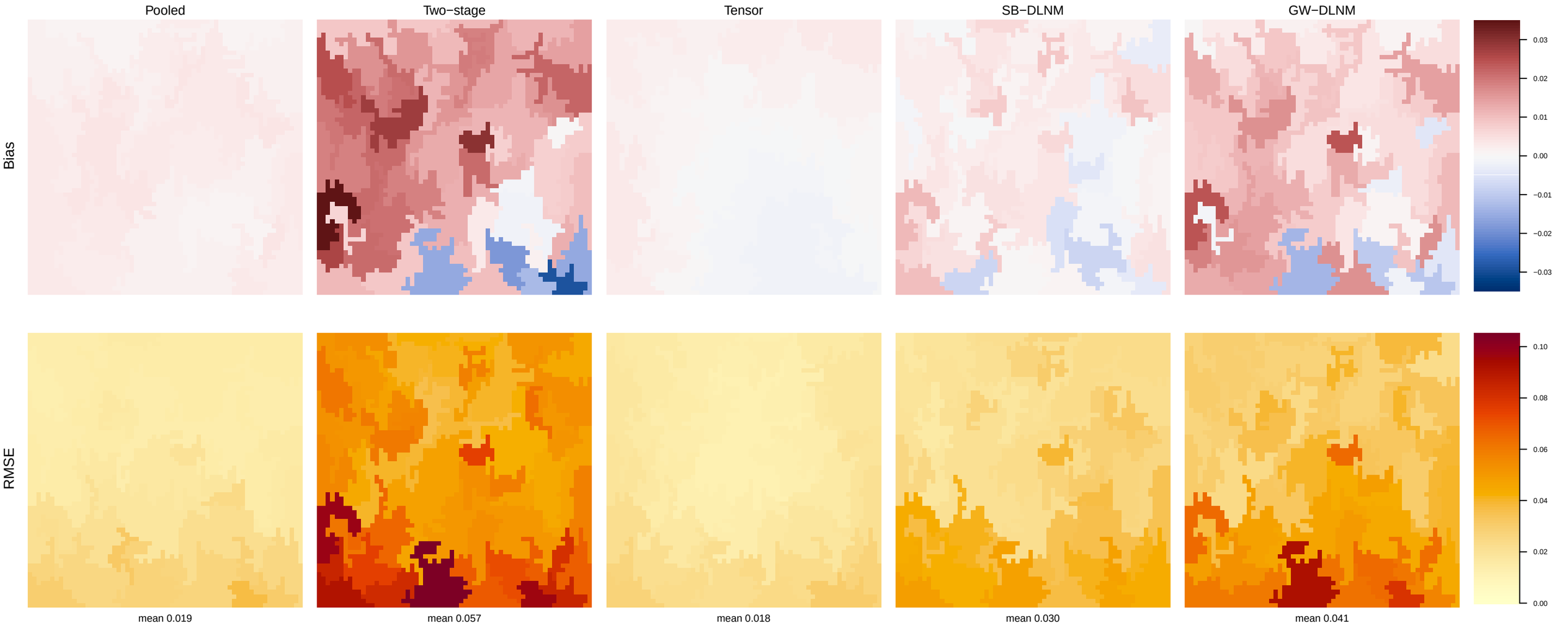
Scenario 273: square region, 60 counties, mild inequality, independent pattern, spread 0.15, ridge gradient, J exposure−response, event rate 8, RR 1.4, decay lag



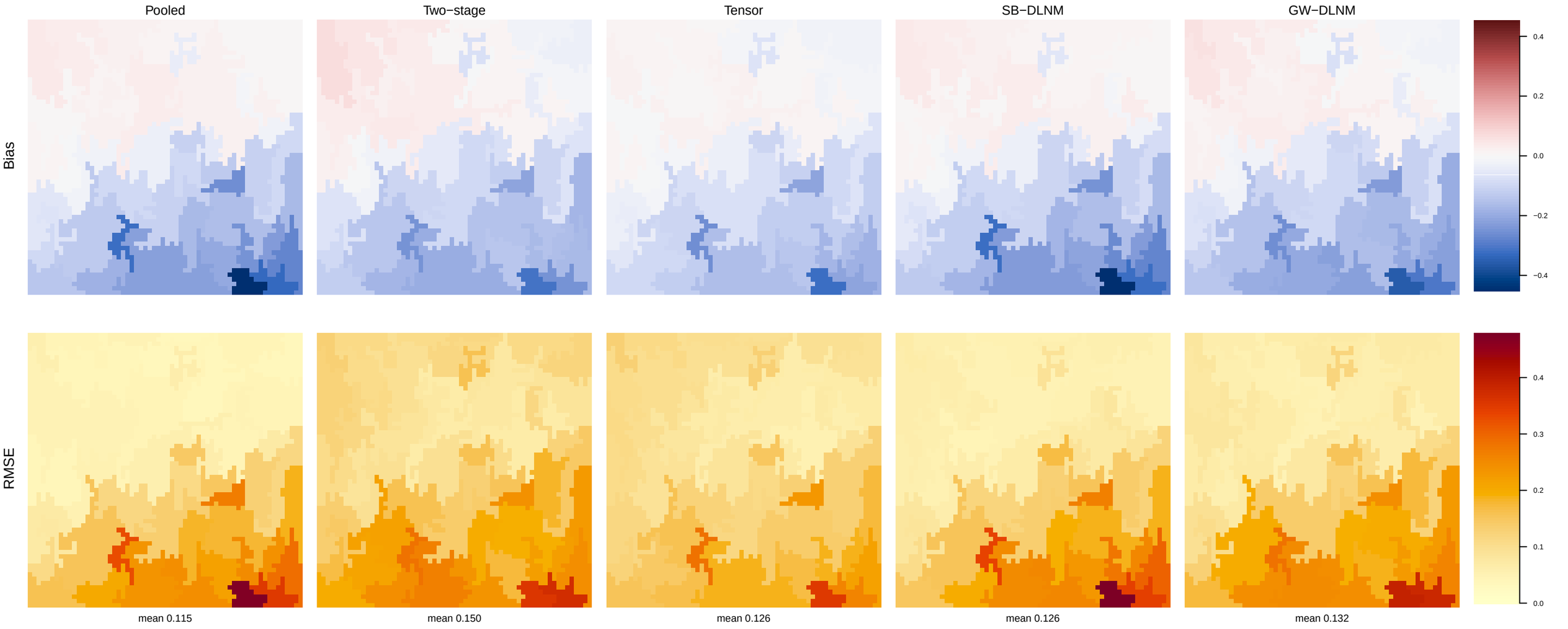
Scenario 465: square region, 60 counties, mild inequality, boundary pattern, spread 0.15, valley gradient, J exposure−response, event rate 0.125, RR 1.0, delayed lag



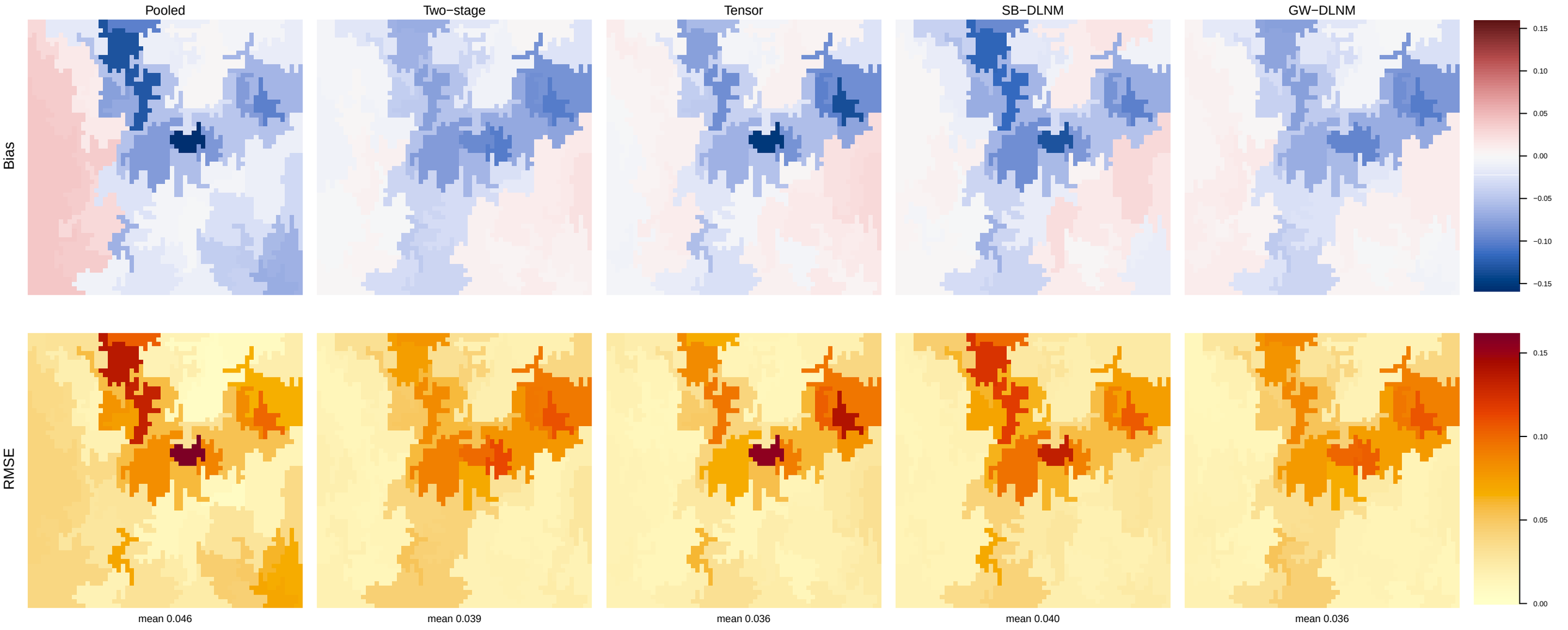
Scenario 657: square region, 60 counties, mild inequality, regional pattern, spread 0.30, edges gradient, unimodal exposure−response, event rate 2, RR 1.4, decay lag



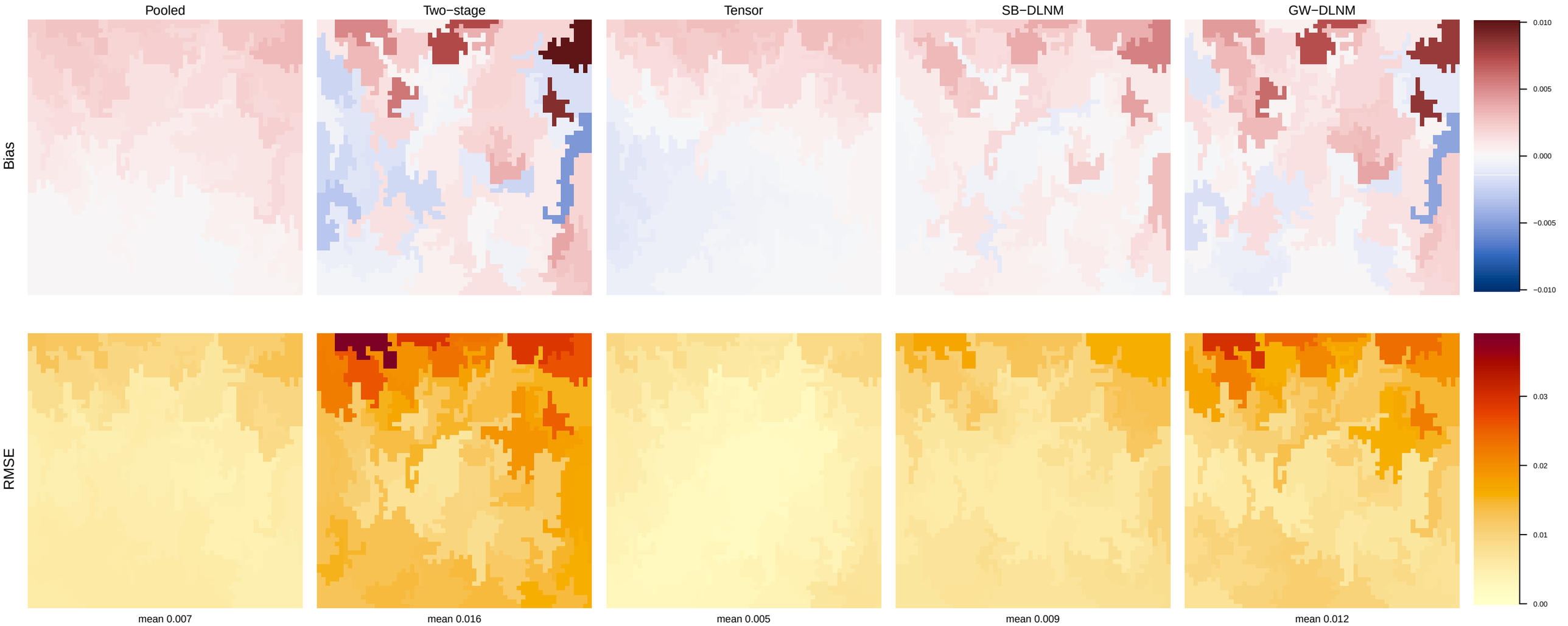
Scenario 593: square region, 60 counties, mild inequality, local pattern, spread 0.30, NS gradient, unimodal exposure−response, event rate 0.5, RR 1.0, delayed lag



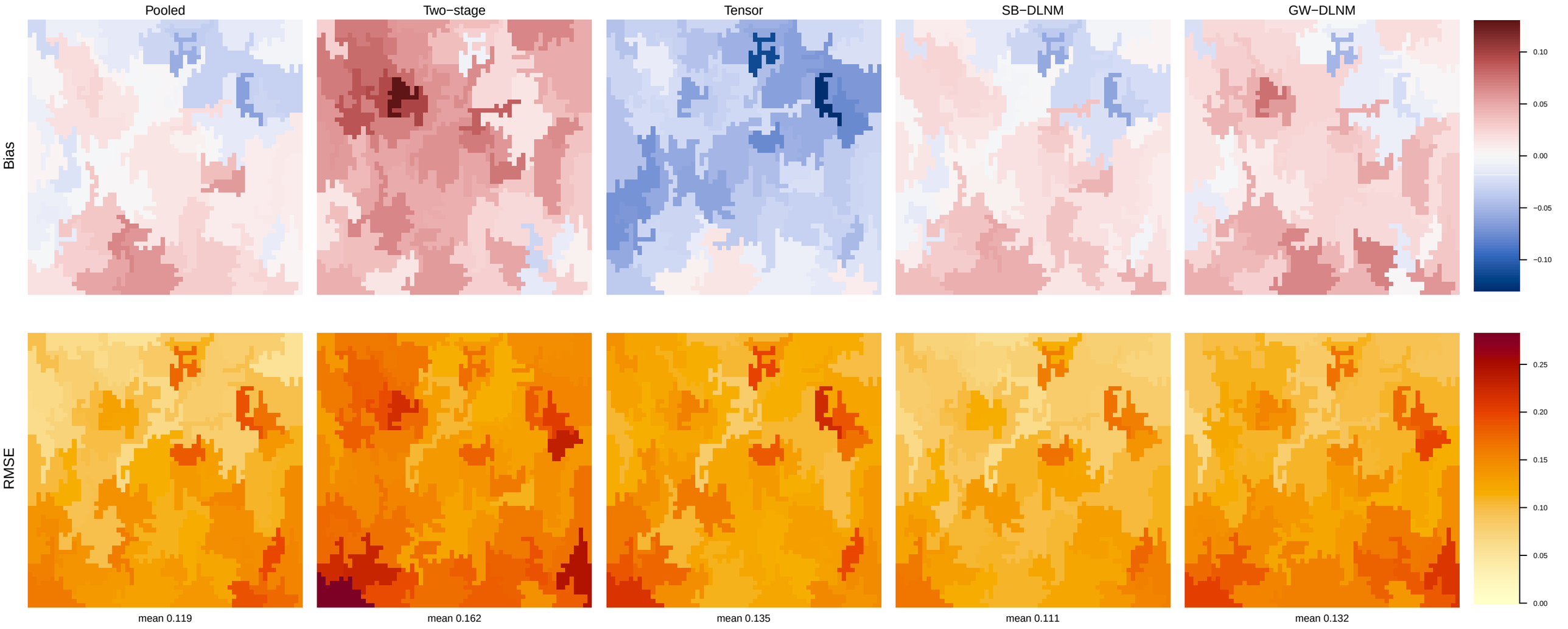
Scenario 529: square region, 60 counties, mild inequality, independent pattern, spread 0.30, ridge gradient, unimodal exposure−response, event rate 0.125, RR 1.6, harvest lag



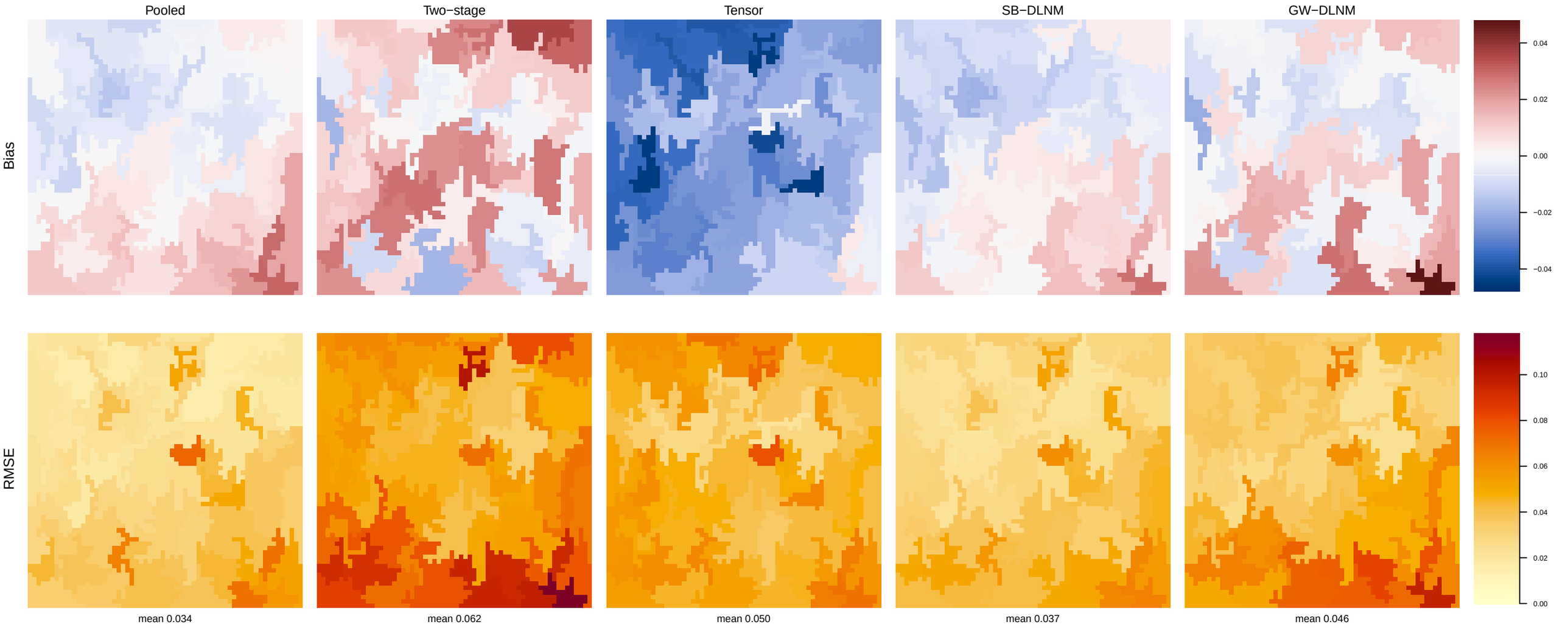
Scenario 721: square region, 60 counties, mild inequality, boundary pattern, spread 0.30, valley gradient, unimodal exposure−response, event rate 8, RR 1.2, short lag



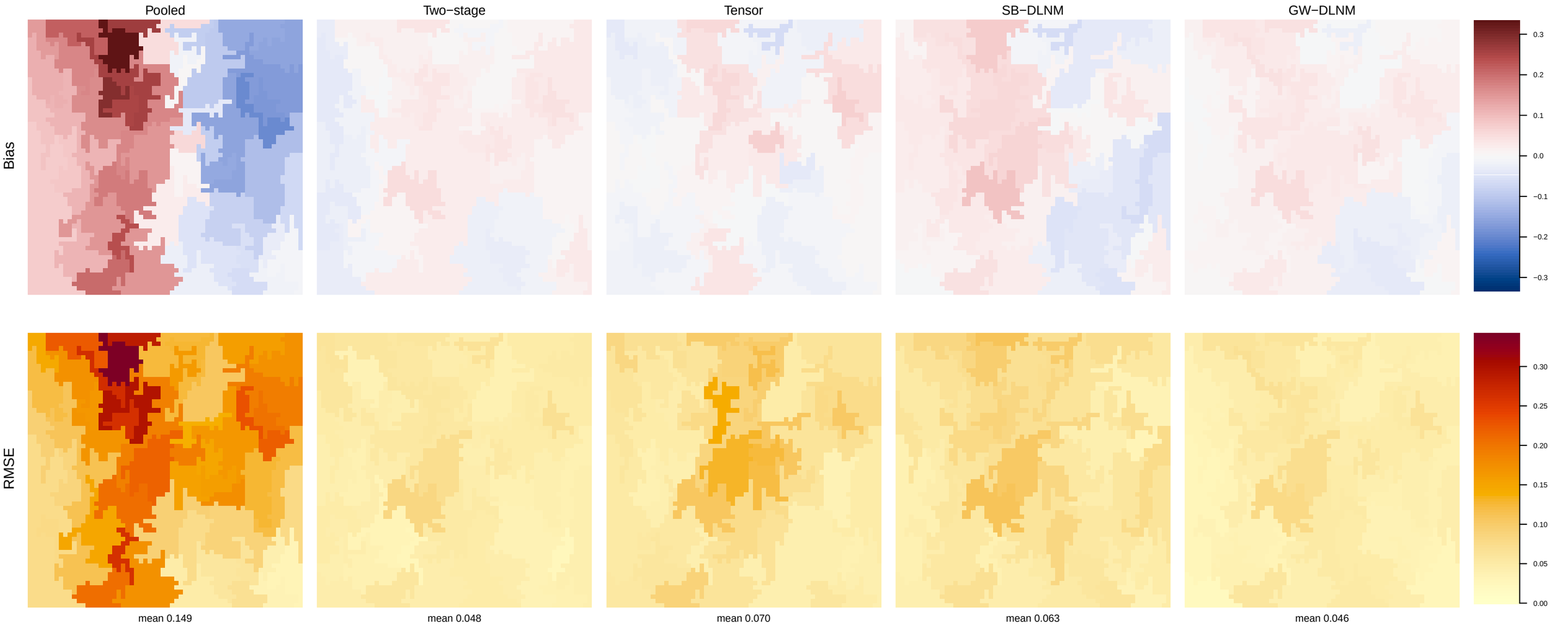
Scenario 913: square region, 60 counties, mild inequality, regional pattern, spread 0.50, edges gradient, threshold exposure−response, event rate 8, RR 1.0, delayed lag



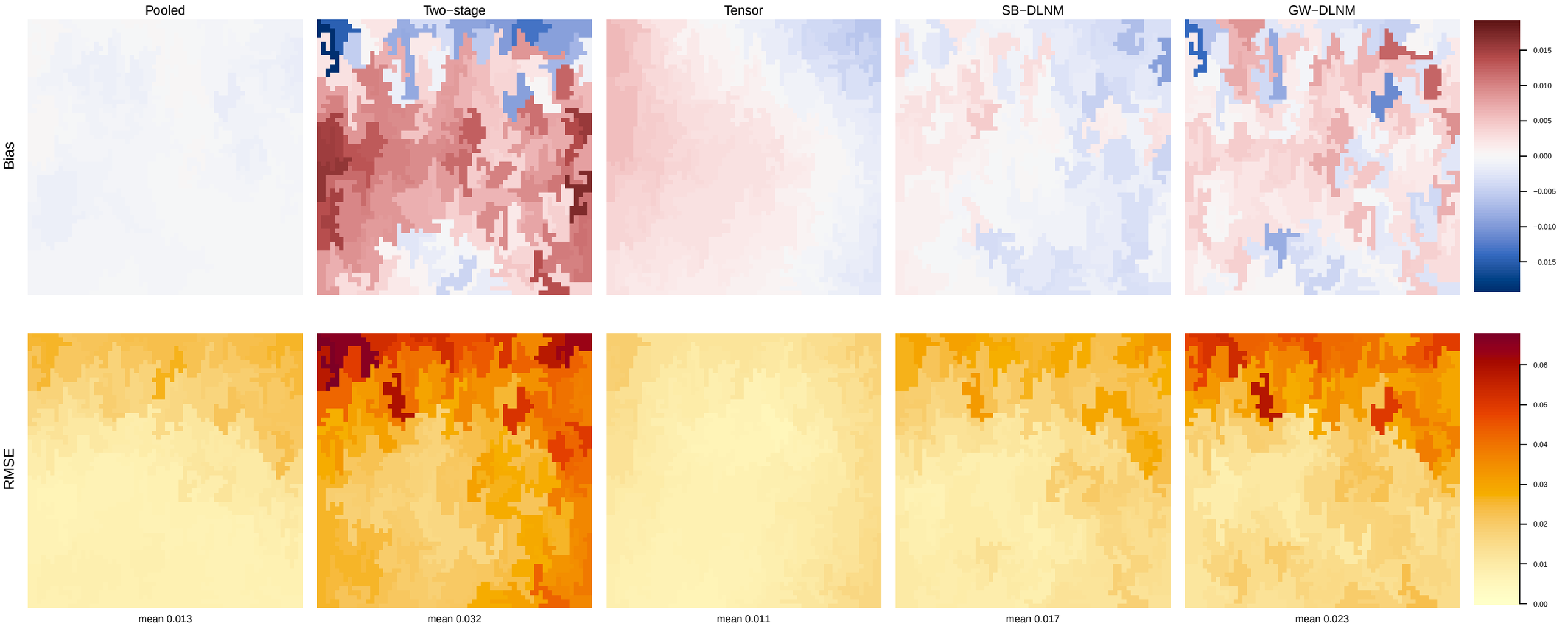
Scenario 849: square region, 60 counties, mild inequality, local pattern, spread 0.50, NS gradient, threshold exposure−response, event rate 0.125, RR 1.4, decay lag



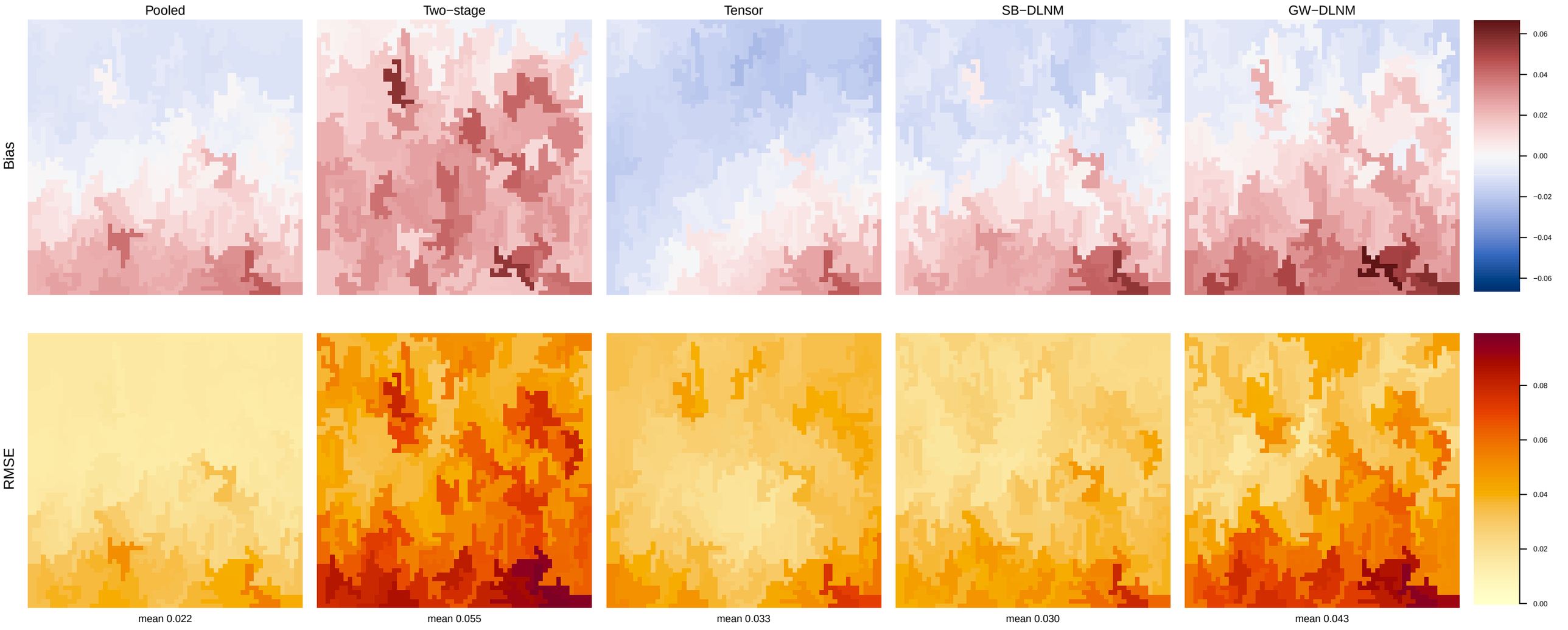
Scenario 785: square region, 60 counties, mild inequality, independent pattern, spread 0.50, ridge gradient, threshold exposure−response, event rate 0.5, RR 1.2, short lag



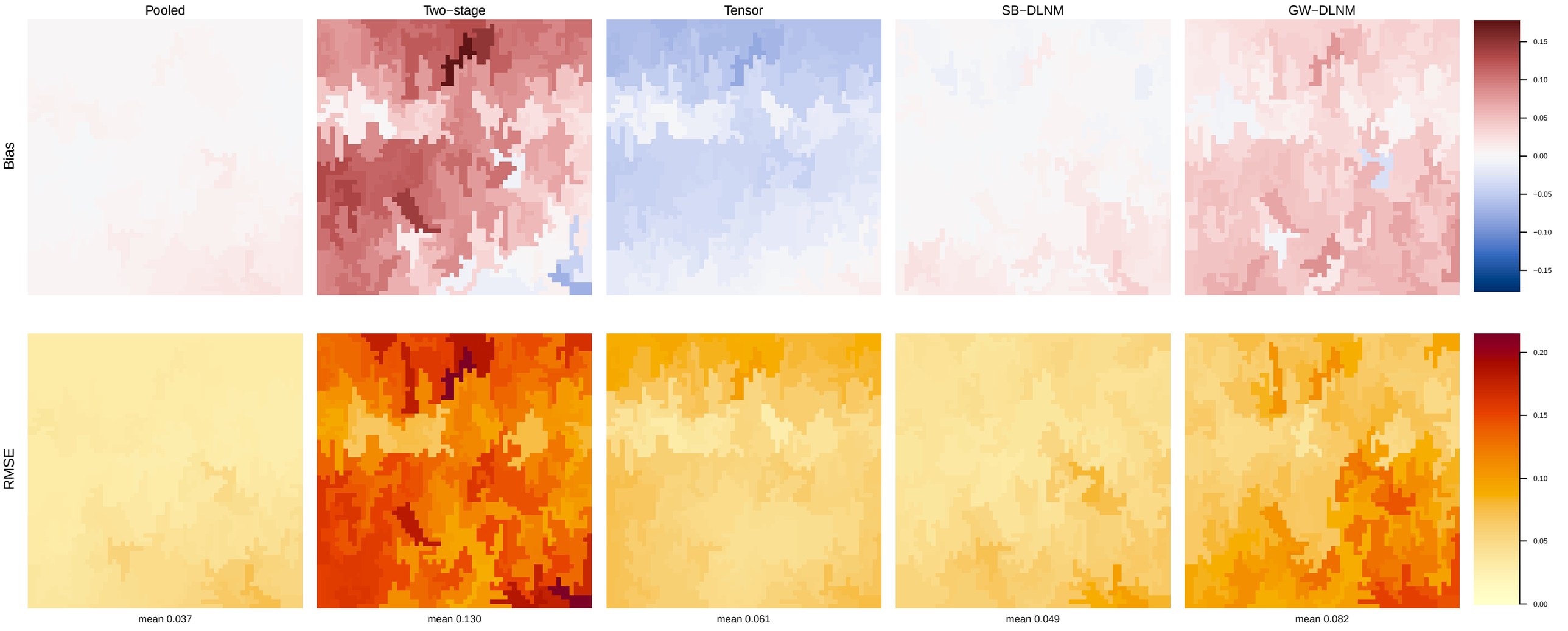
Scenario 977: square region, 60 counties, mild inequality, boundary pattern, spread 0.50, valley gradient, threshold exposure−response, event rate 2, RR 1.6, harvest lag



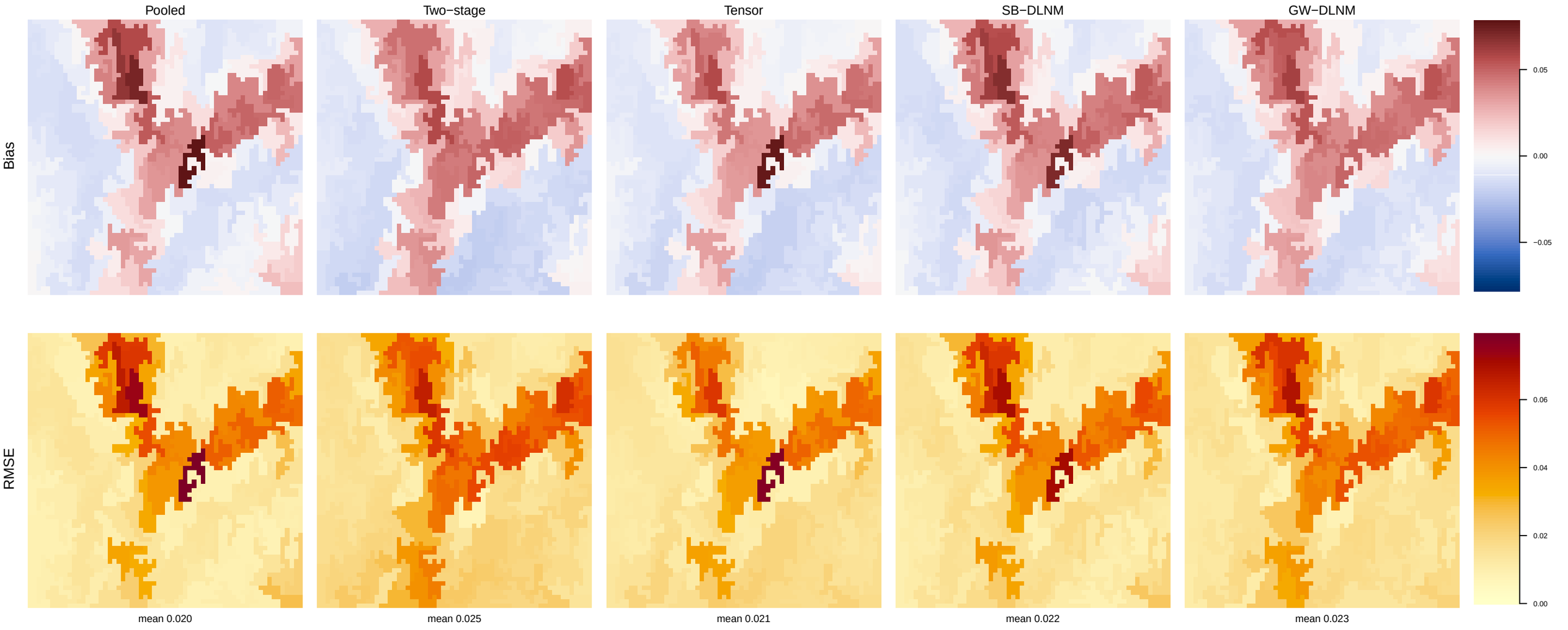
Scenario 133: square region, 120 counties, equal inequality, regional pattern, spread 0.00, edges gradient, threshold exposure−response, event rate 2, RR 1.0, short lag



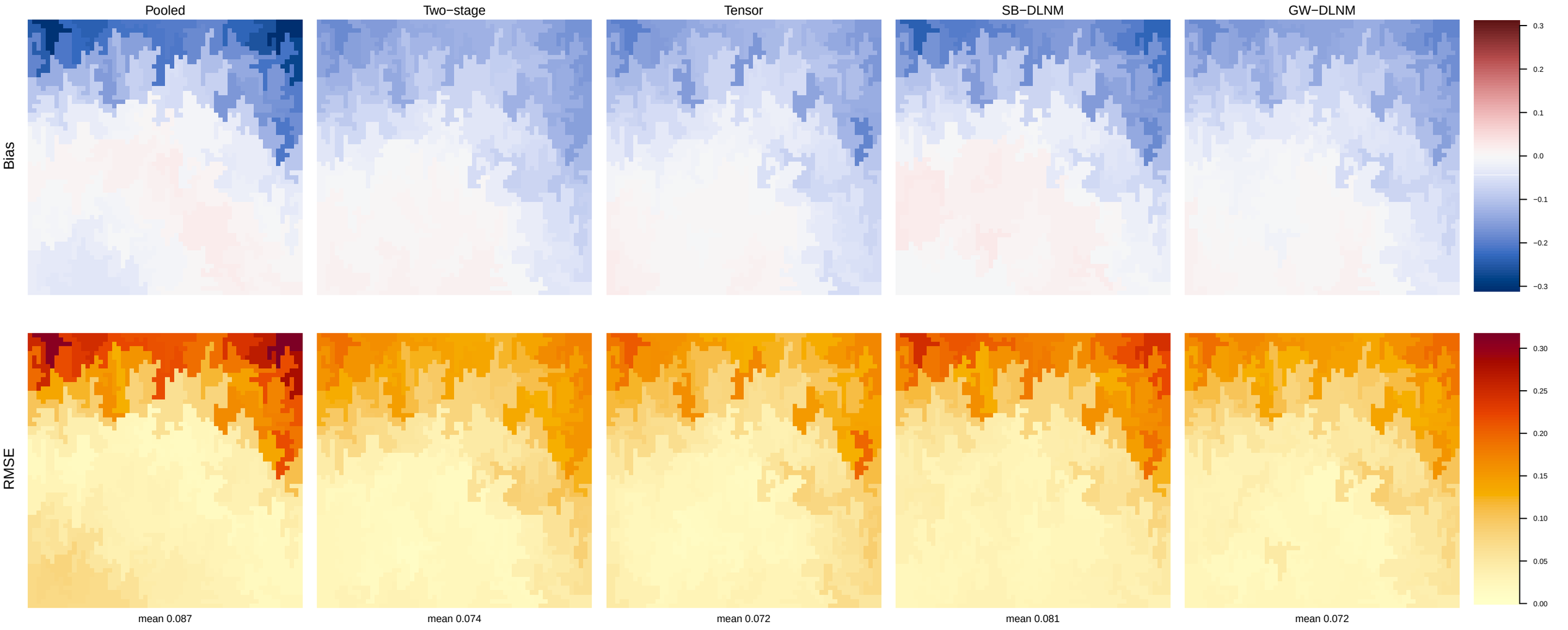
Scenario 69: square region, 120 counties, equal inequality, local pattern, spread 0.00, NS gradient, threshold exposure−response, event rate 0.5, RR 1.4, harvest lag



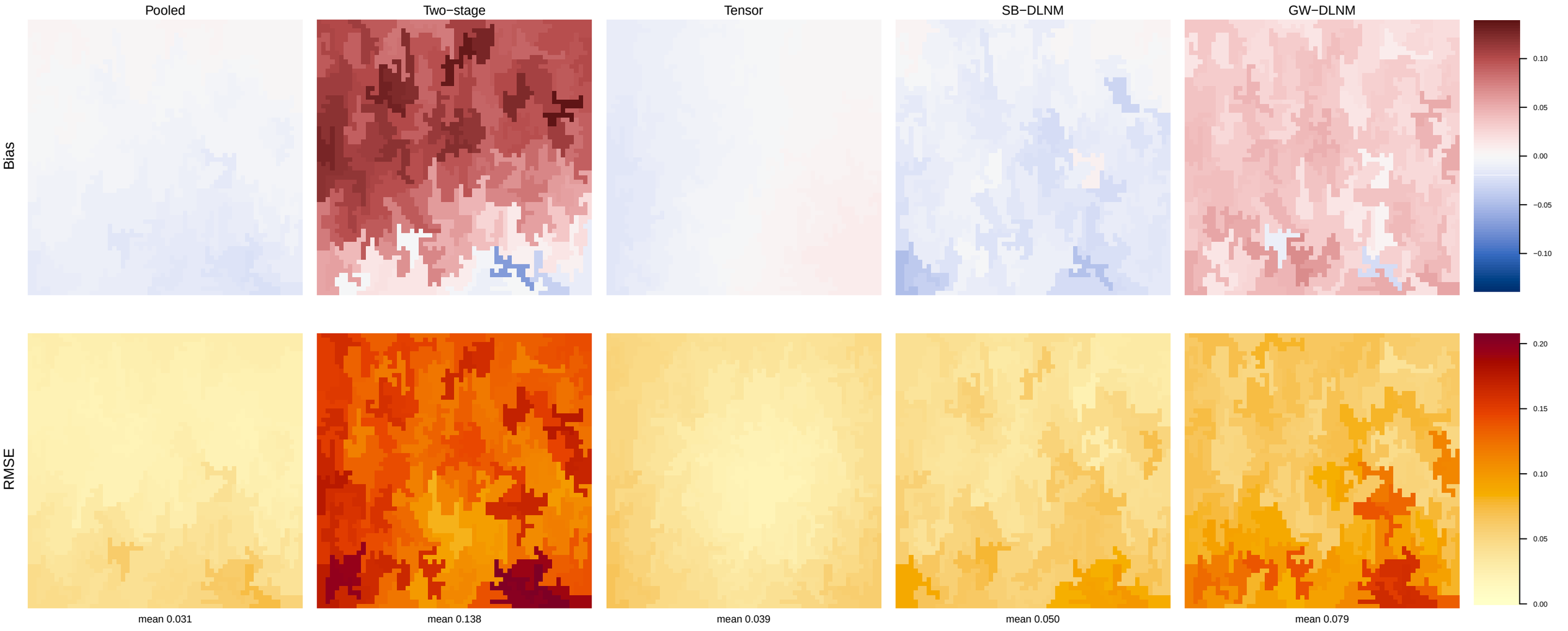
Scenario 5: square region, 120 counties, equal inequality, independent pattern, spread 0.00, ridge gradient, threshold exposure−response, event rate 0.125, RR 1.2, delayed lag



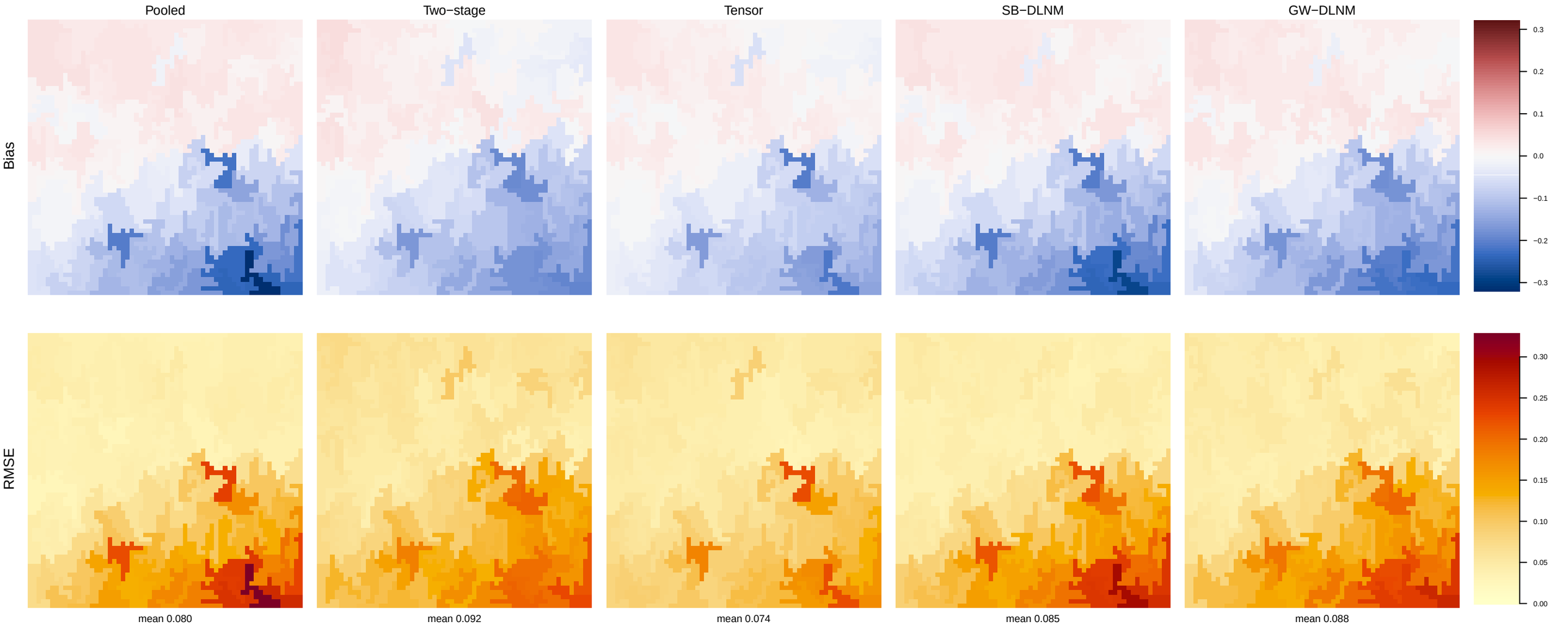
Scenario 197: square region, 120 counties, equal inequality, boundary pattern, spread 0.00, valley gradient, threshold exposure−response, event rate 8, RR 1.6, decay lag



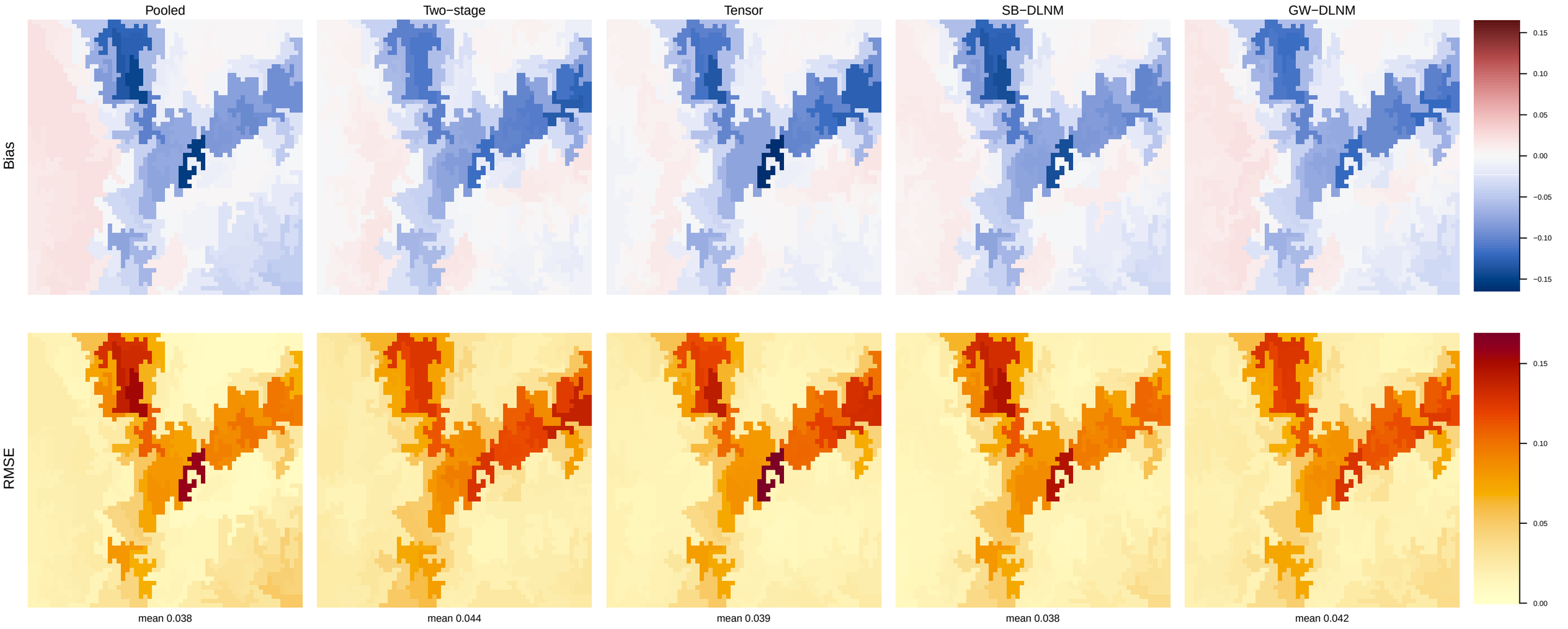
Scenario 389: square region, 120 counties, equal inequality, regional pattern, spread 0.15, edges gradient, unimodal exposure−response, event rate 8, RR 1.4, harvest lag



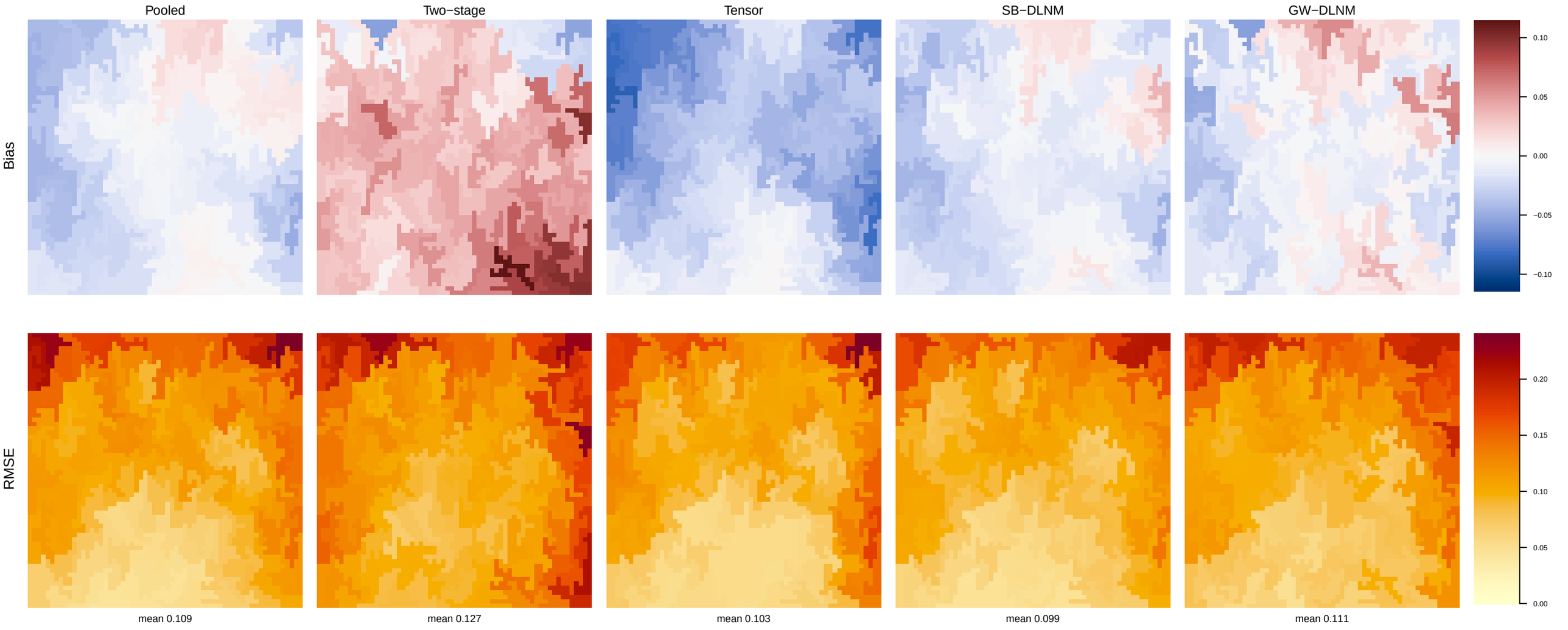
Scenario 325: square region, 120 counties, equal inequality, local pattern, spread 0.15, NS gradient, unimodal exposure−response, event rate 0.125, RR 1.0, short lag



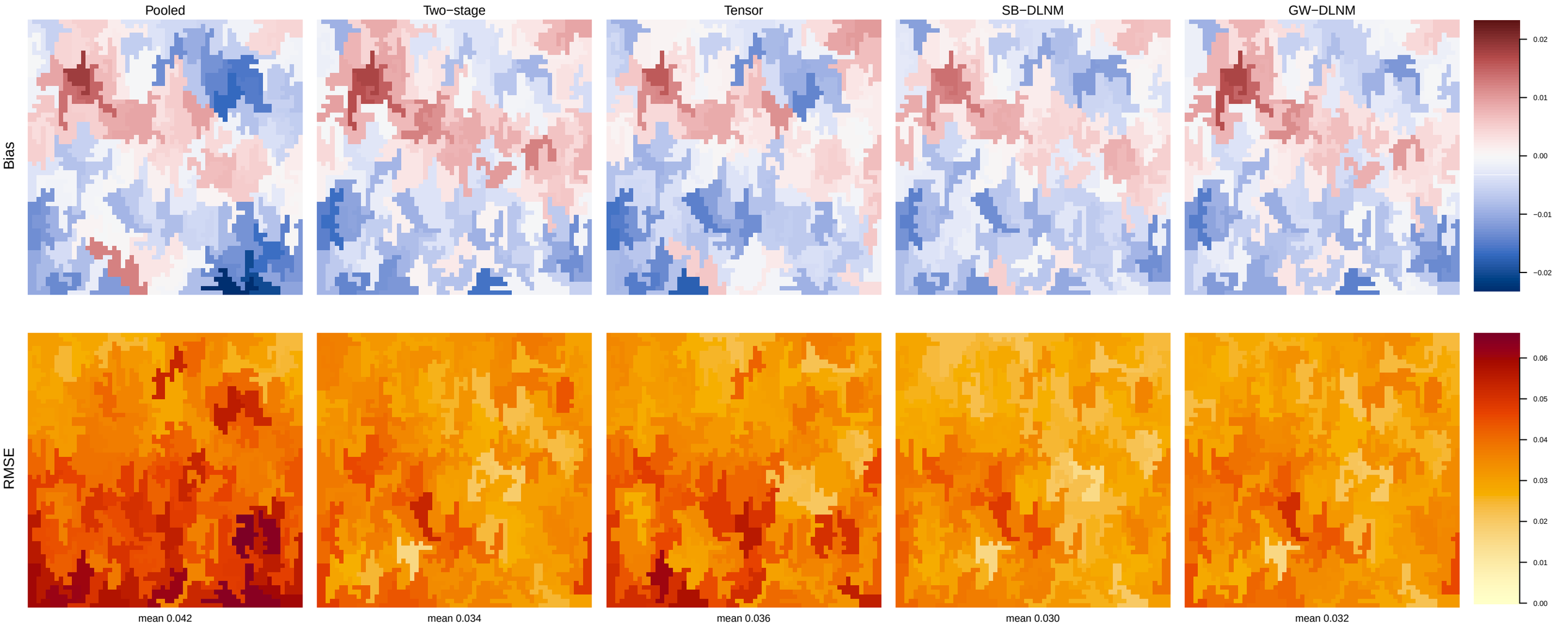
Scenario 261: square region, 120 counties, equal inequality, independent pattern, spread 0.15, ridge gradient, unimodal exposure−response, event rate 0.5, RR 1.6, decay lag



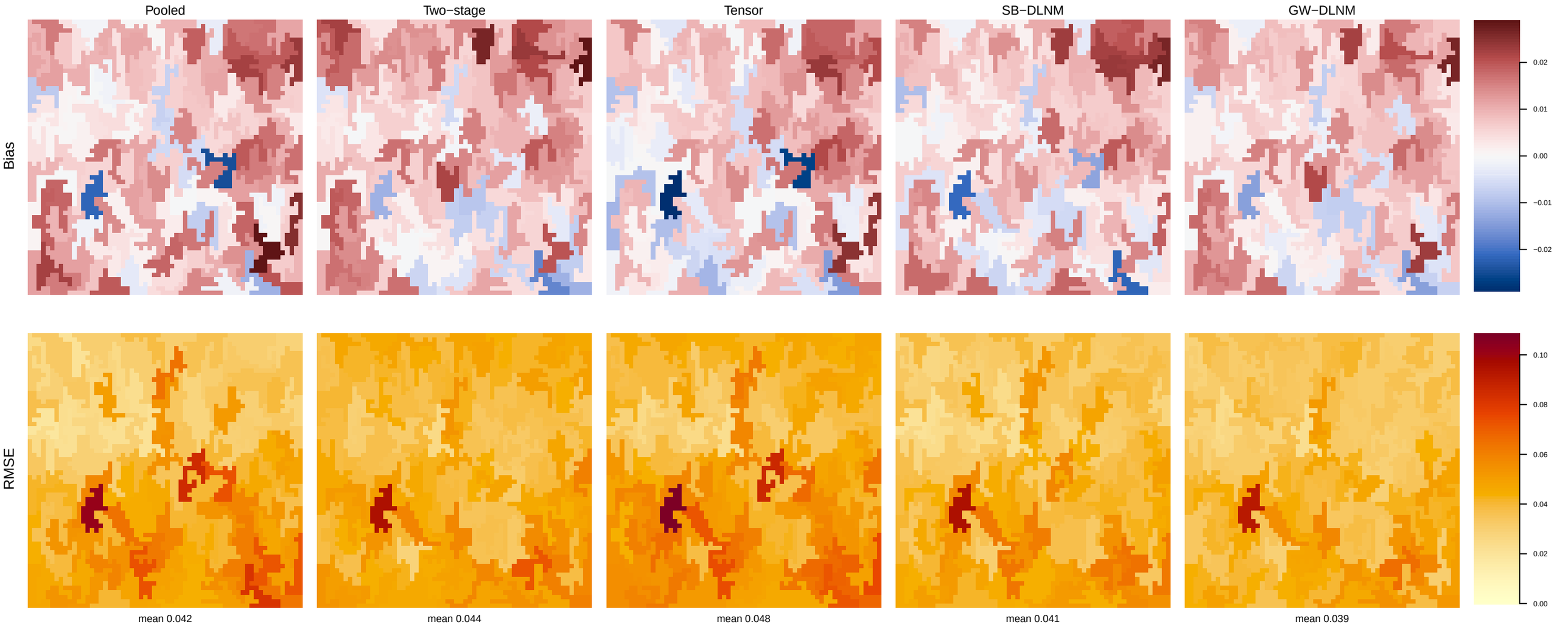
Scenario 453: square region, 120 counties, equal inequality, boundary pattern, spread 0.15, valley gradient, unimodal exposure−response, event rate 2, RR 1.2, delayed lag



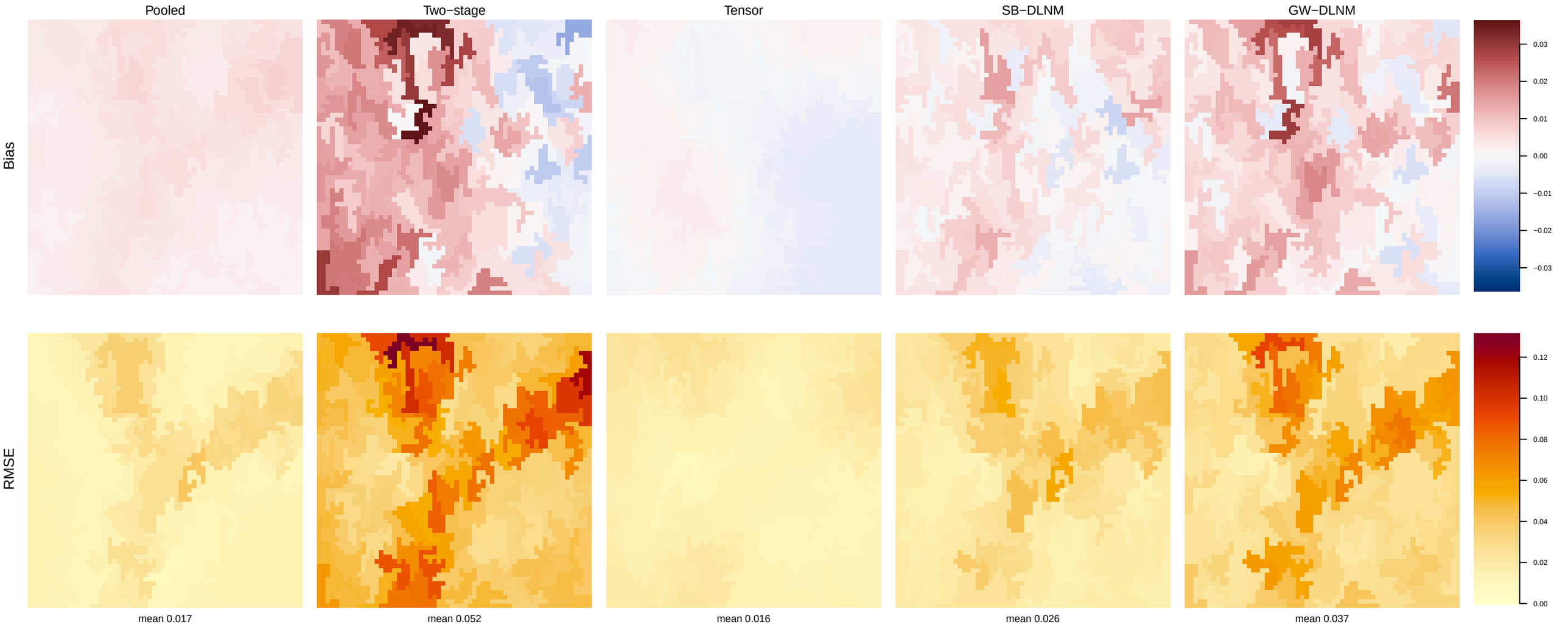
Scenario 645: square region, 120 counties, equal inequality, regional pattern, spread 0.30, edges gradient, J exposure−response, event rate 0.125, RR 1.6, decay lag



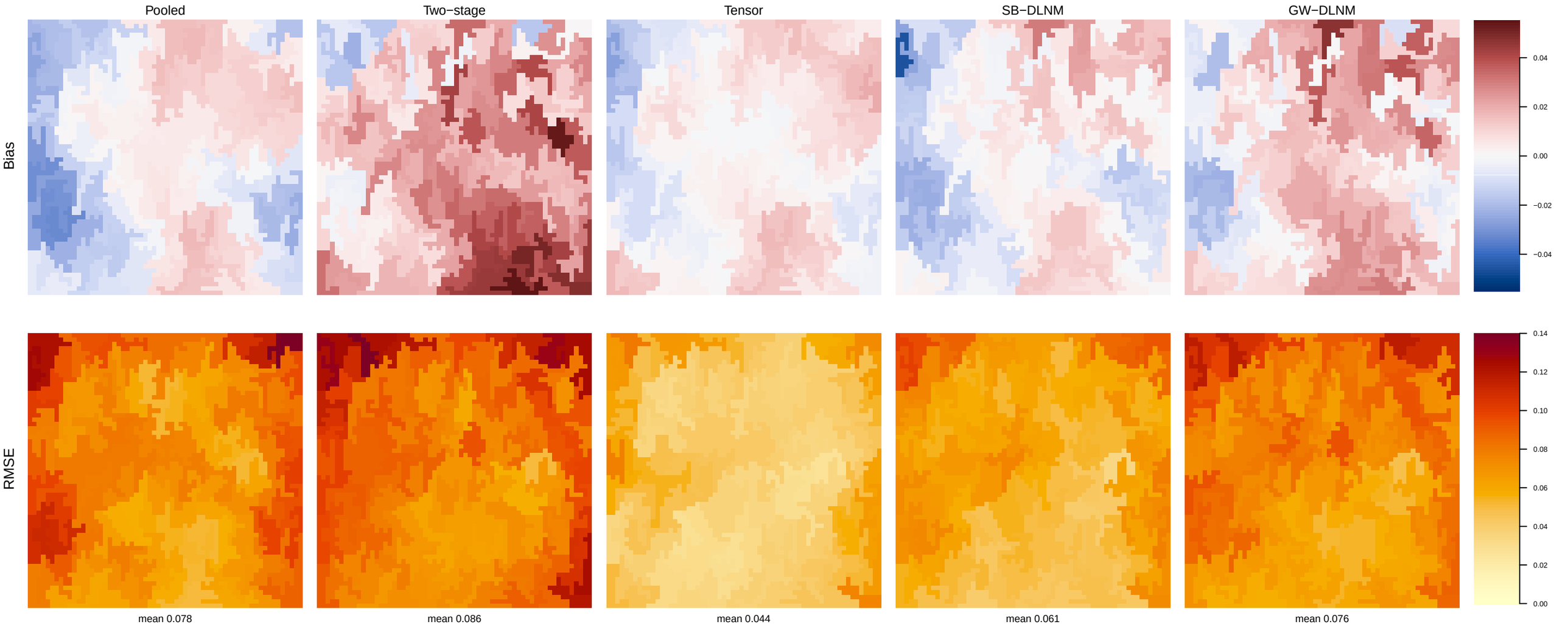
Scenario 581: square region, 120 counties, equal inequality, local pattern, spread 0.30, NS gradient, J exposure−response, event rate 8, RR 1.2, delayed lag



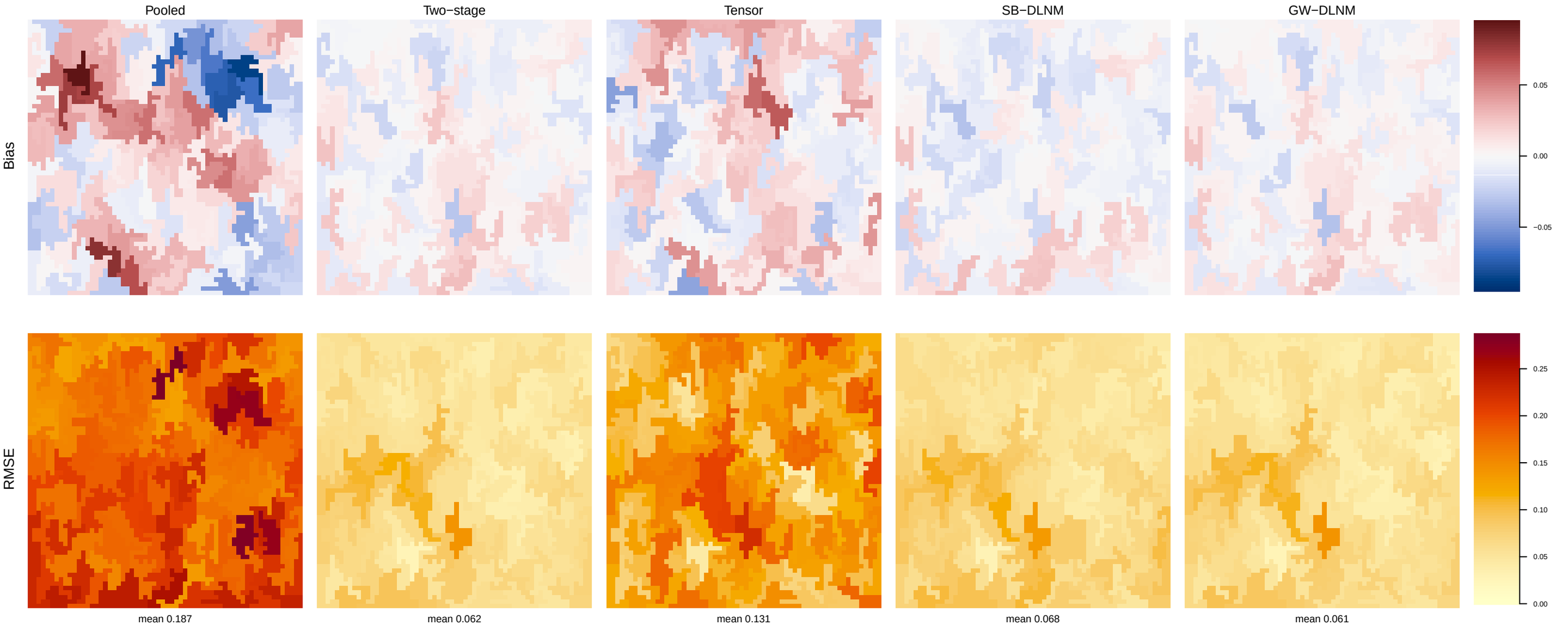
Scenario 517: square region, 120 counties, equal inequality, independent pattern, spread 0.30, ridge gradient, J exposure−response, event rate 2, RR 1.4, harvest lag



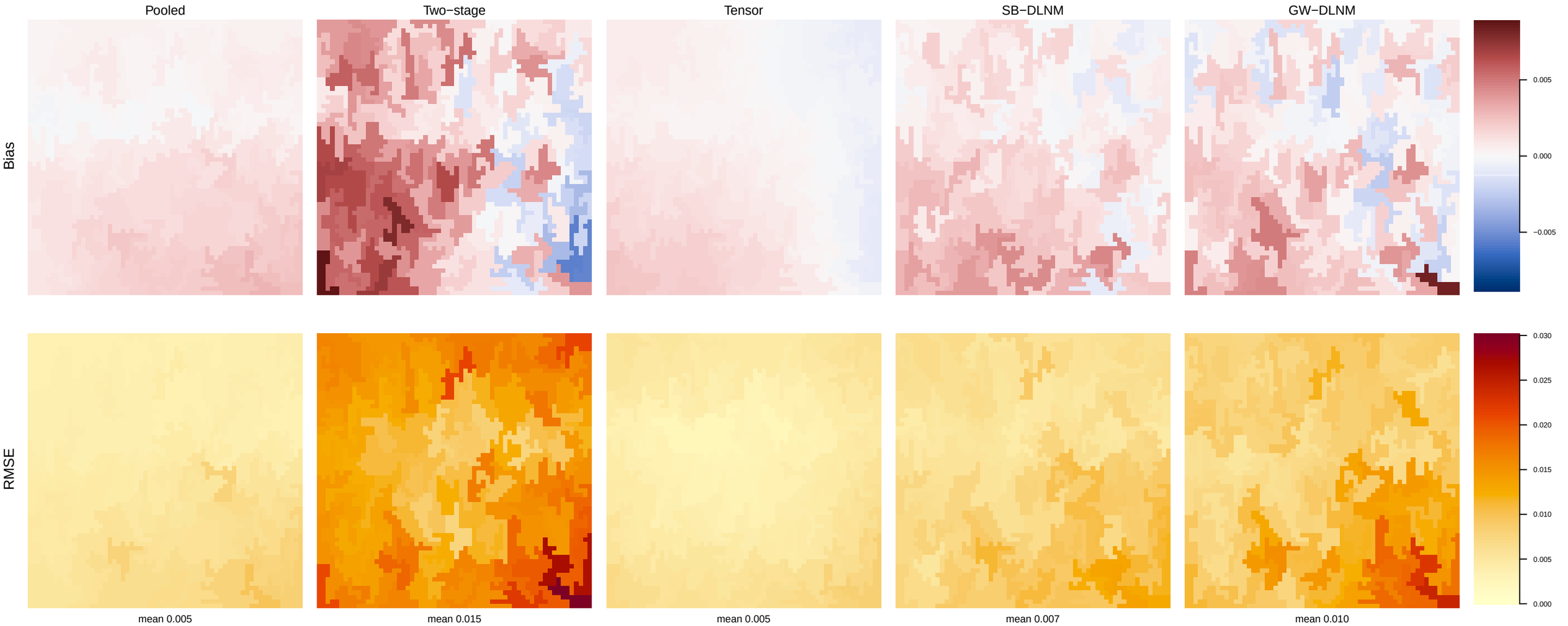
Scenario 709: square region, 120 counties, equal inequality, boundary pattern, spread 0.30, valley gradient, J exposure−response, event rate 0.5, RR 1.0, short lag



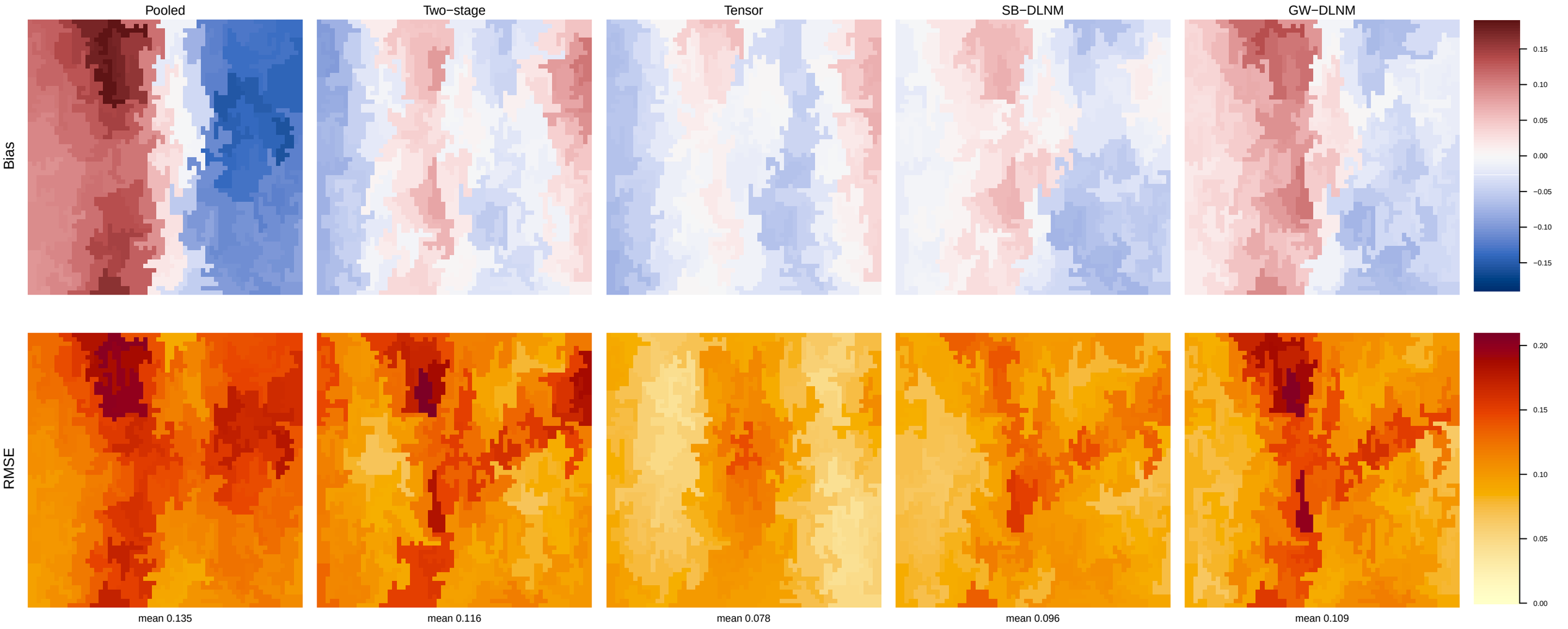
Scenario 901: square region, 120 counties, equal inequality, regional pattern, spread 0.50, edges gradient, linear exposure−response, event rate 0.5, RR 1.2, delayed lag



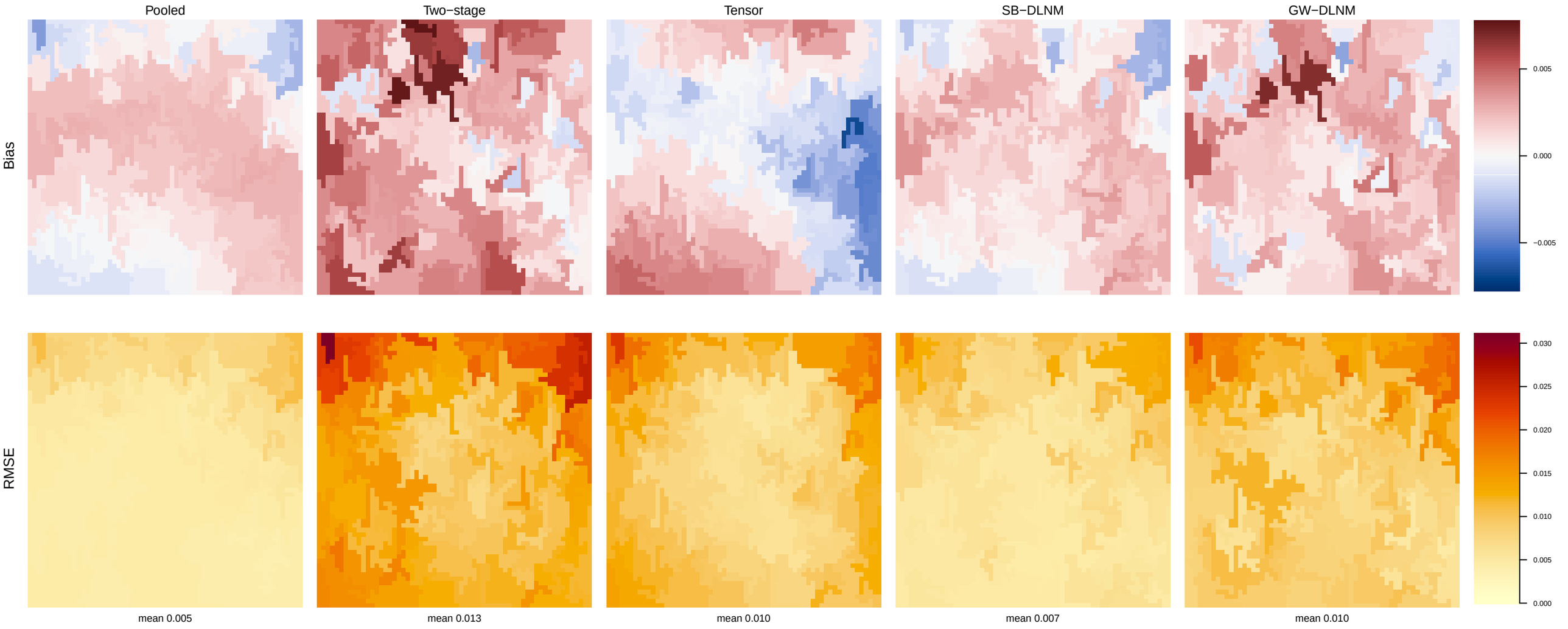
Scenario 837: square region, 120 counties, equal inequality, local pattern, spread 0.50, NS gradient, linear exposure−response, event rate 2, RR 1.6, decay lag



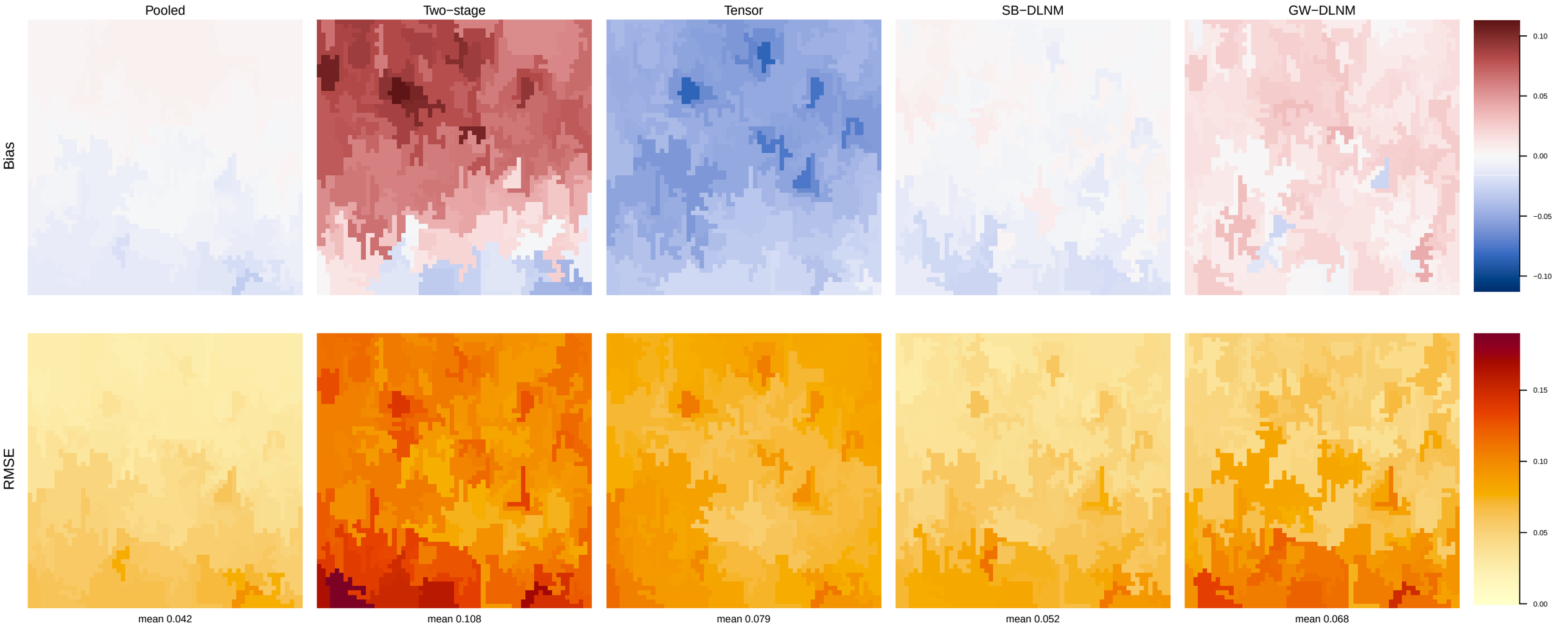
Scenario 773: square region, 120 counties, equal inequality, independent pattern, spread 0.50, ridge gradient, linear exposure−response, event rate 8, RR 1.0, short lag



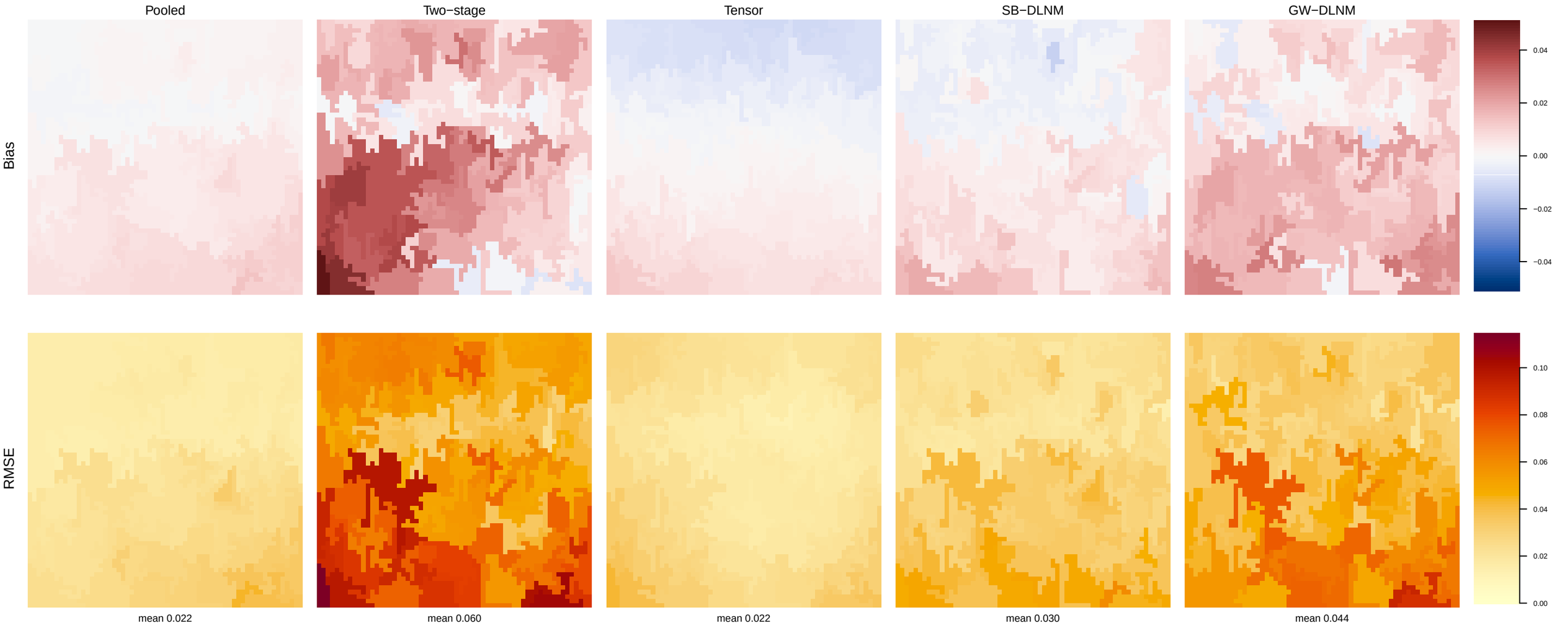
Scenario 965: square region, 120 counties, equal inequality, boundary pattern, spread 0.50, valley gradient, linear exposure−response, event rate 0.125, RR 1.4, harvest lag



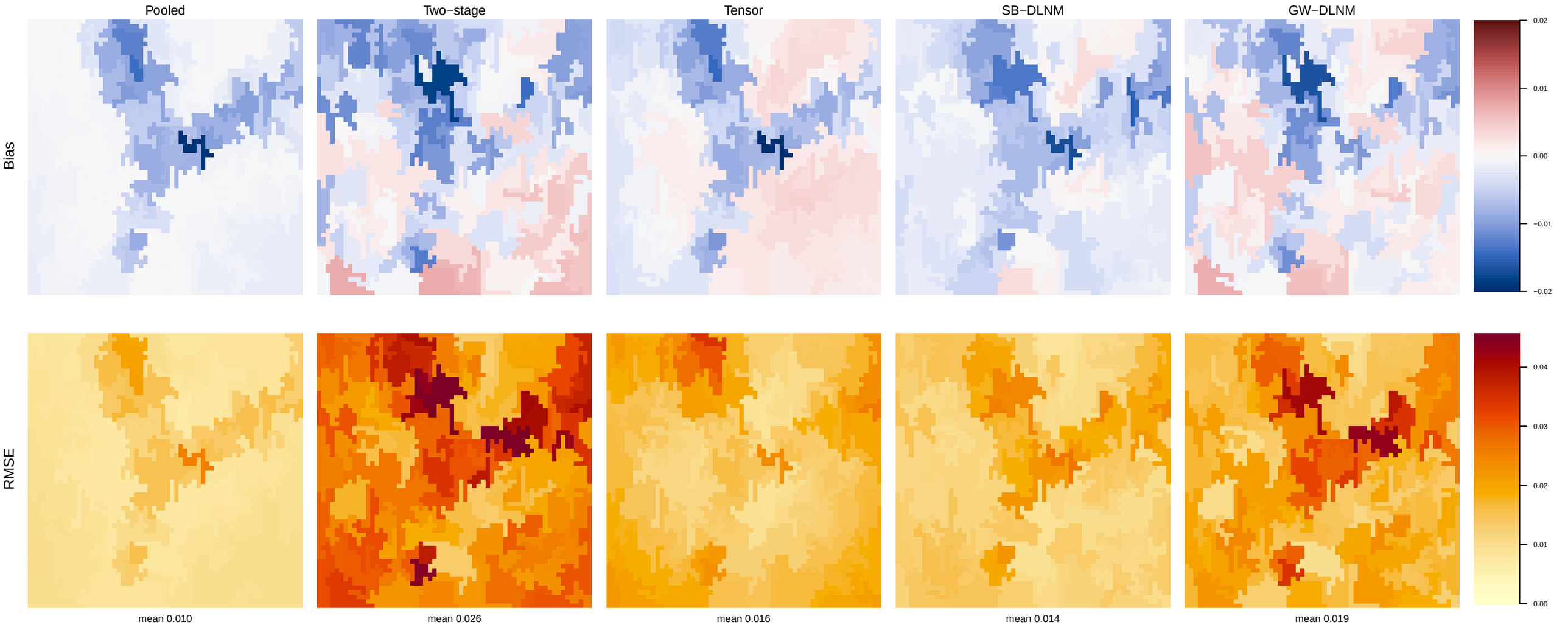
Scenario 37: square region, 120 counties, moderate inequality, independent pattern, spread 0.00, edges gradient, J exposure−response, event rate 8, RR 1.2, harvest lag



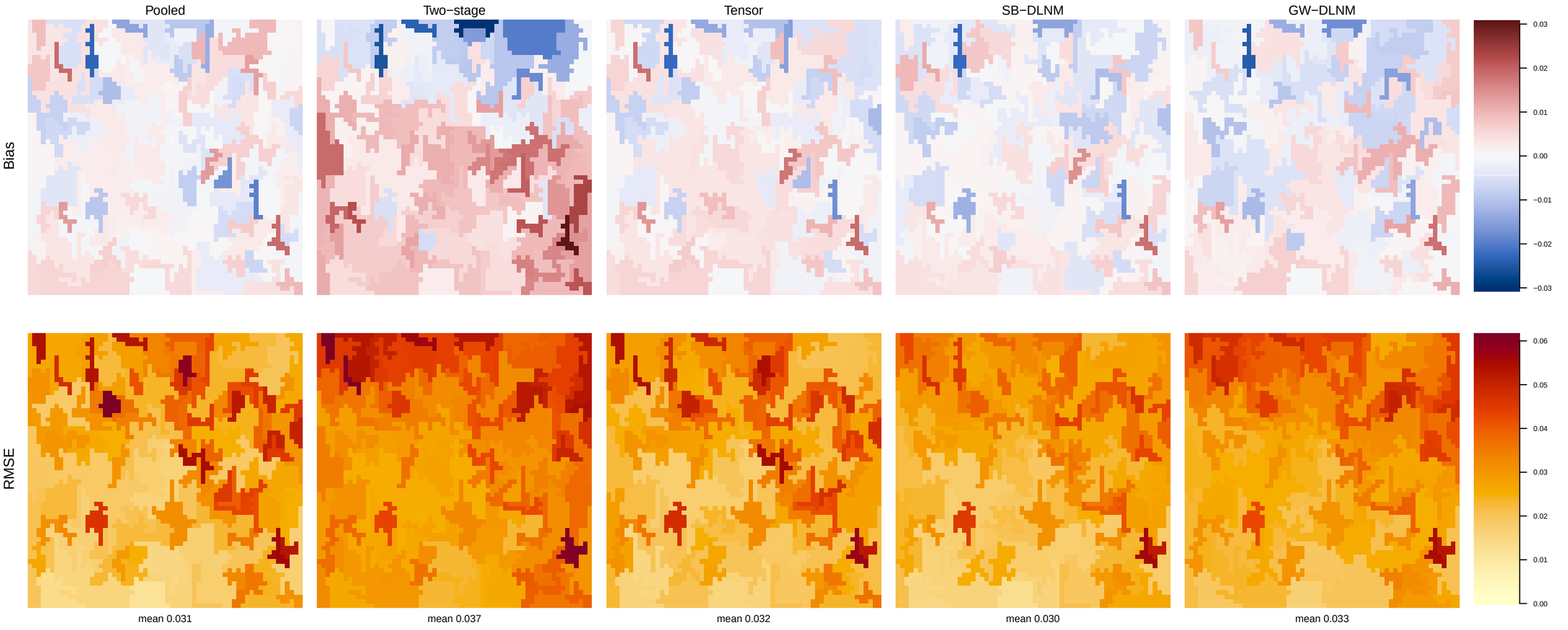
Scenario 229: square region, 120 counties, moderate inequality, boundary pattern, spread 0.00, NS gradient, J exposure−response, event rate 0.125, RR 1.6, short lag



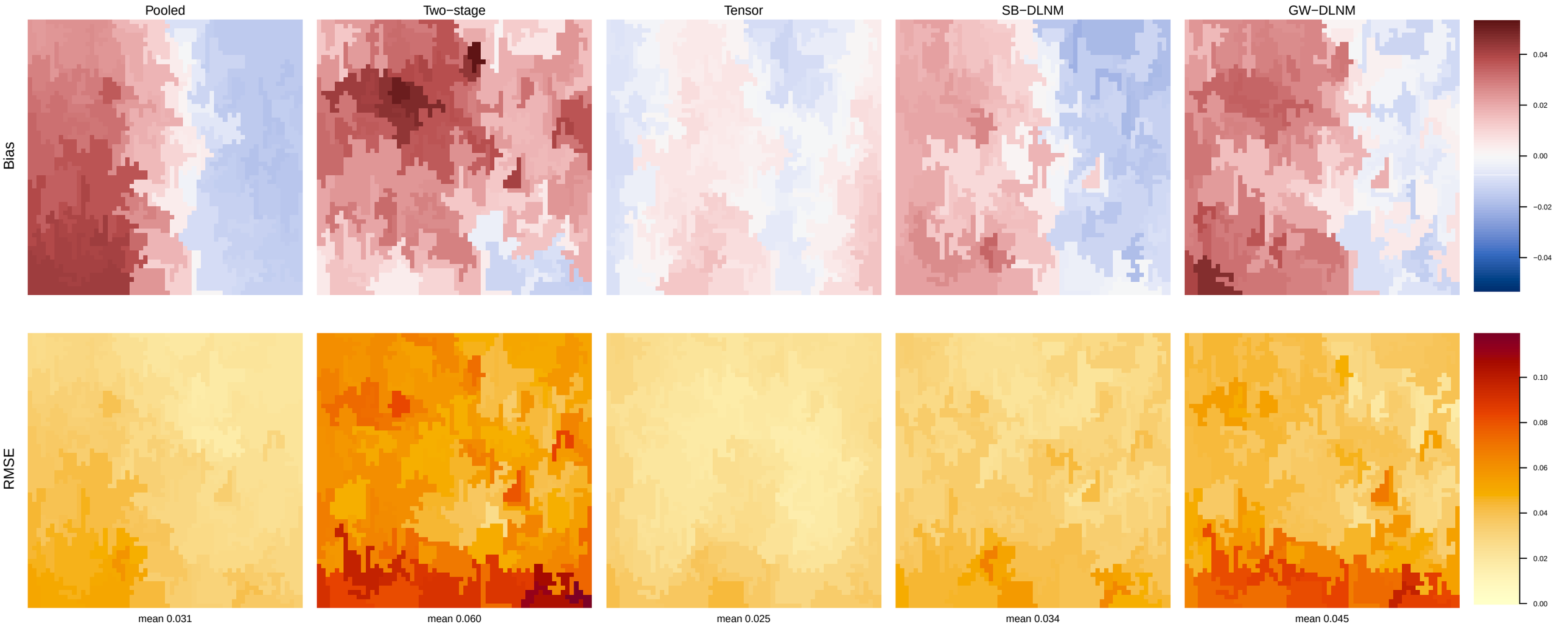
Scenario 165: square region, 120 counties, moderate inequality, regional pattern, spread 0.00, ridge gradient, J exposure−response, event rate 0.5, RR 1.0, decay lag



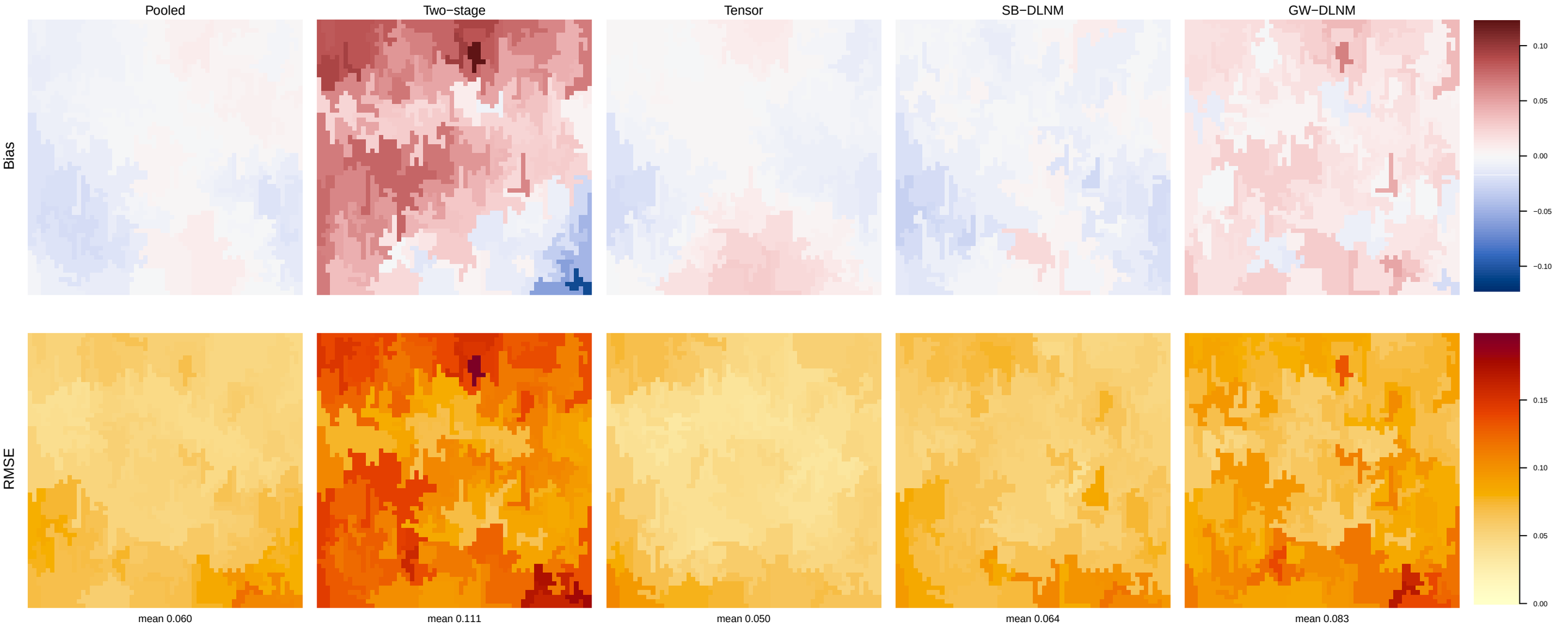
Scenario 101: square region, 120 counties, moderate inequality, local pattern, spread 0.00, valley gradient, J exposure−response, event rate 2, RR 1.4, delayed lag



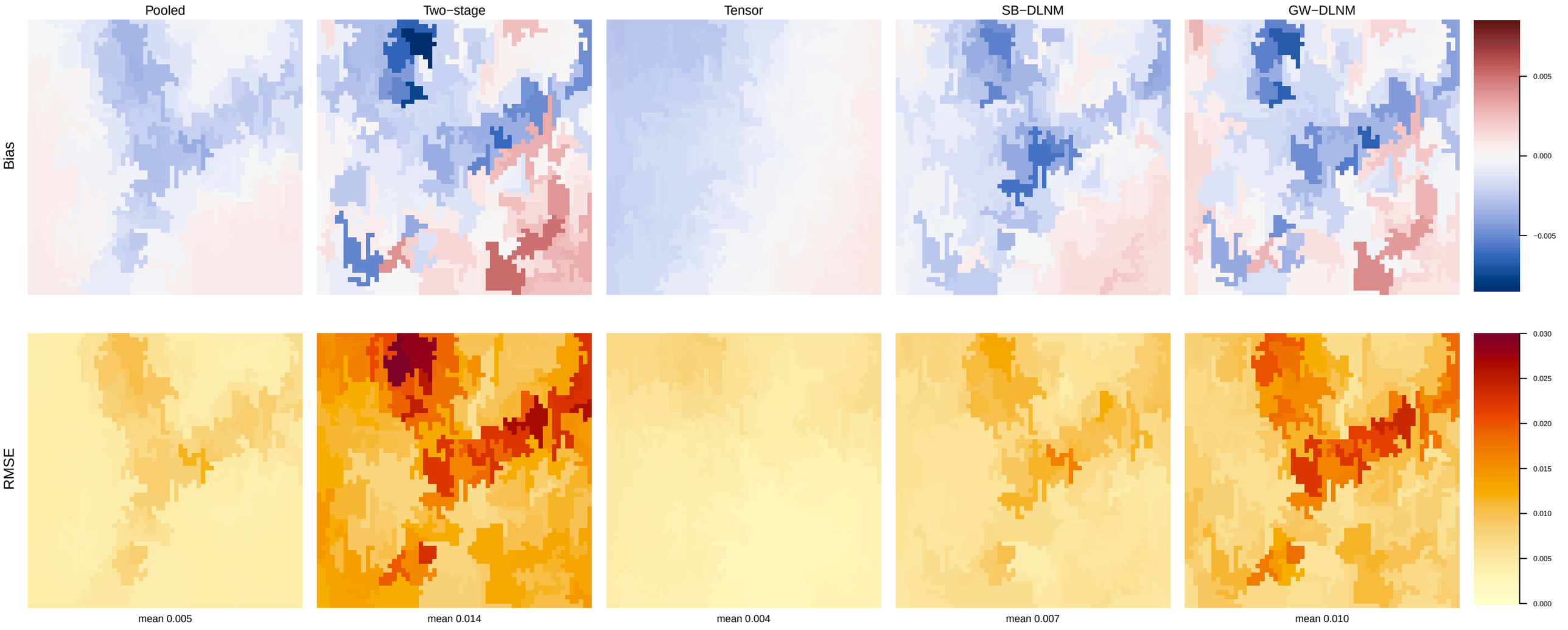
Scenario 293: square region, 120 counties, moderate inequality, independent pattern, spread 0.15, edges gradient, linear exposure−response, event rate 2, RR 1.6, short lag



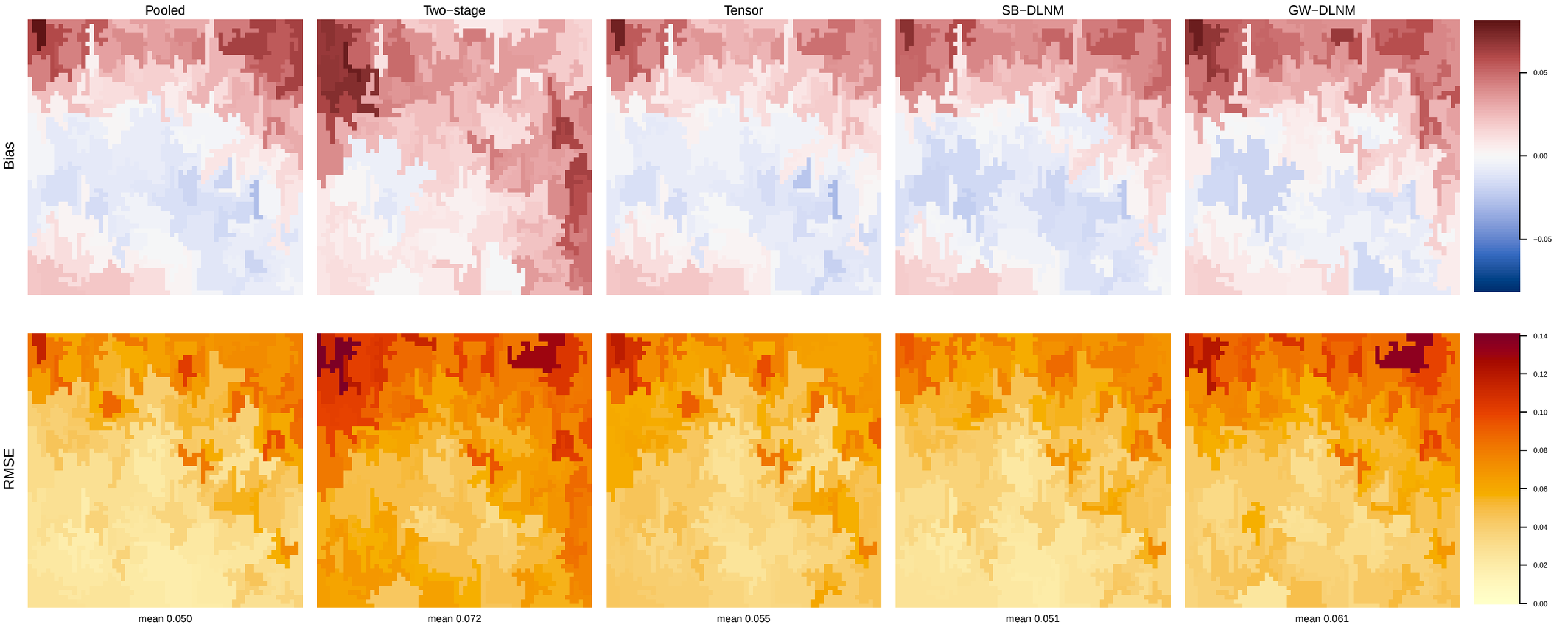
Scenario 485: square region, 120 counties, moderate inequality, boundary pattern, spread 0.15, NS gradient, linear exposure−response, event rate 0.5, RR 1.2, harvest lag



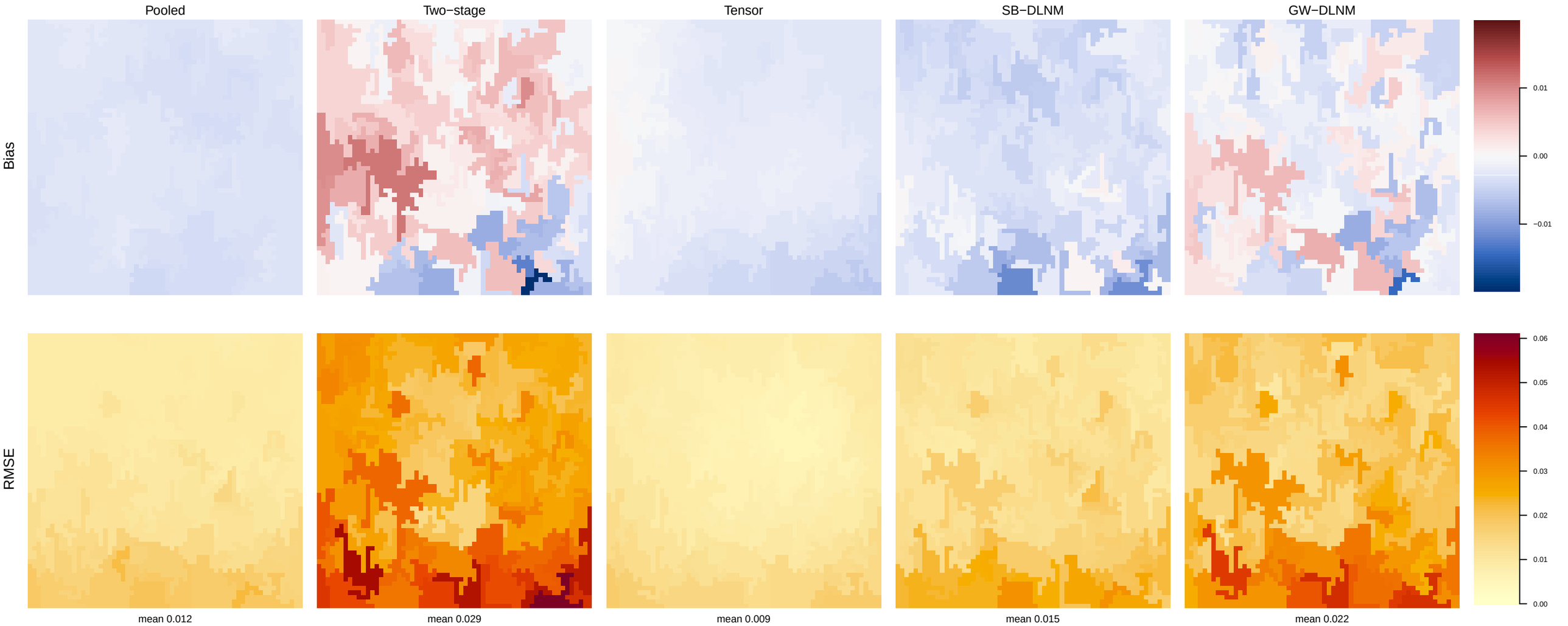
Scenario 421: square region, 120 counties, moderate inequality, regional pattern, spread 0.15, ridge gradient, linear exposure−response, event rate 0.125, RR 1.4, delayed lag



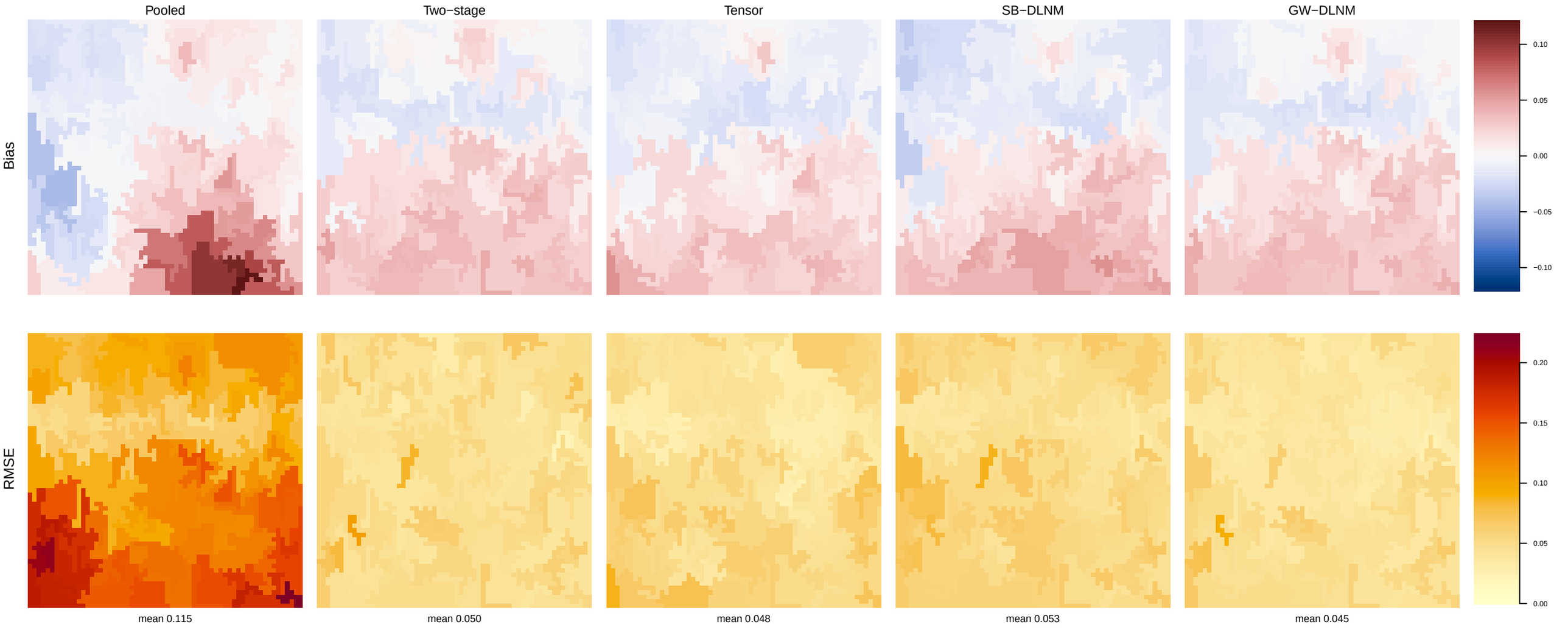
Scenario 357: square region, 120 counties, moderate inequality, local pattern, spread 0.15, valley gradient, linear exposure−response, event rate 8, RR 1.0, decay lag



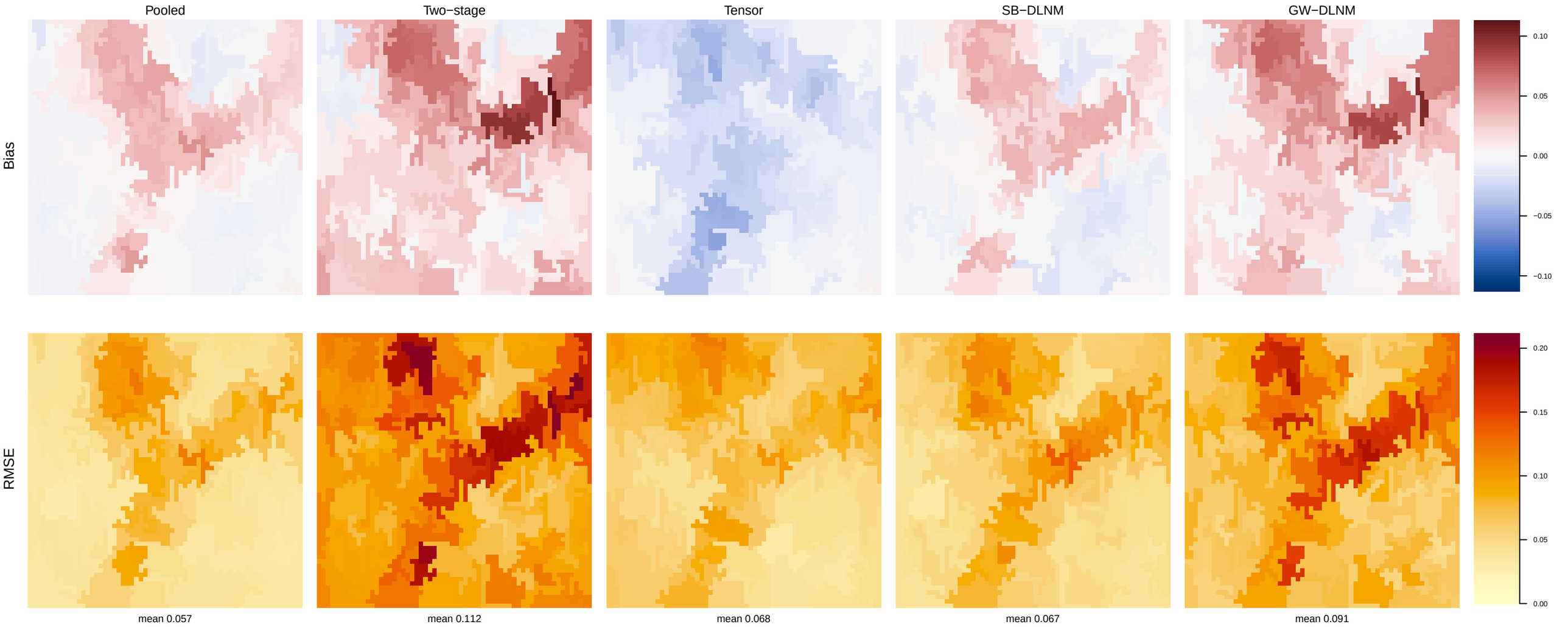
Scenario 549: square region, 120 counties, moderate inequality, independent pattern, spread 0.30, edges gradient, threshold exposure−response, event rate 0.5, RR 1.4, delayed lag



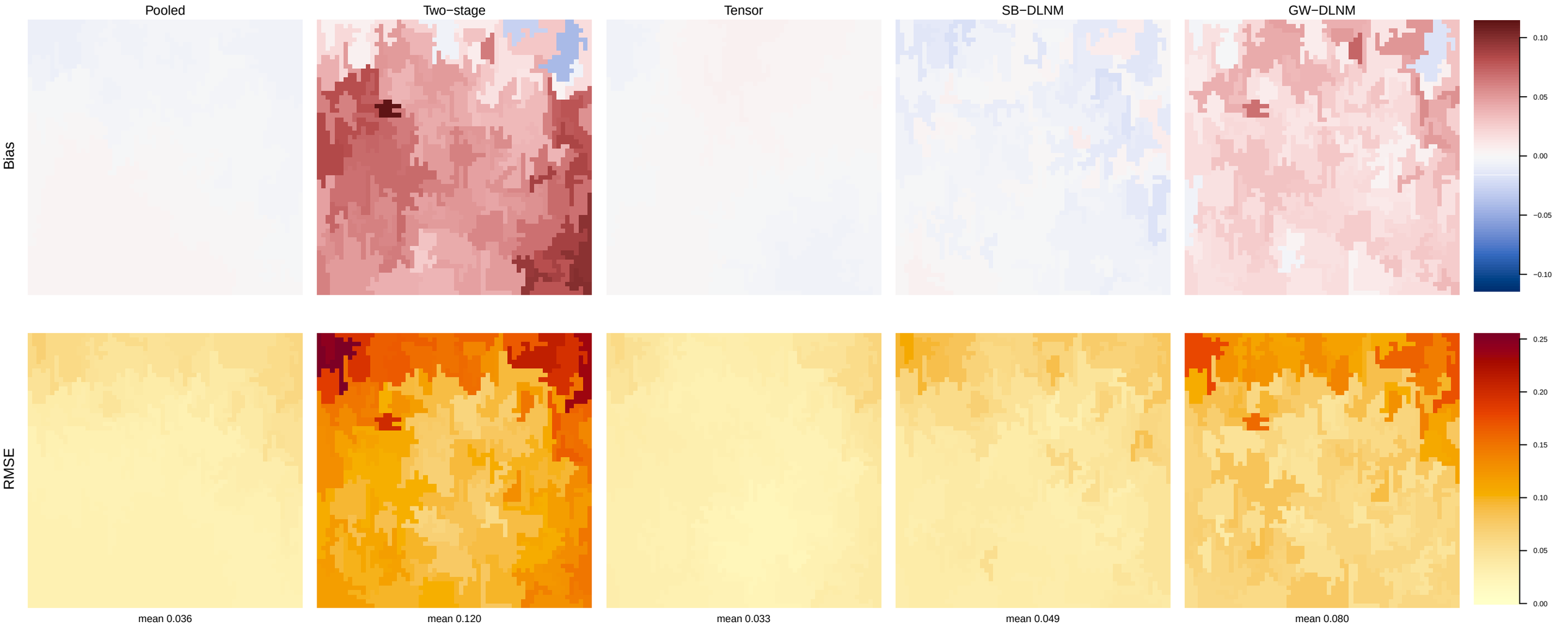
Scenario 741: square region, 120 counties, moderate inequality, boundary pattern, spread 0.30, NS gradient, threshold exposure−response, event rate 2, RR 1.0, decay lag



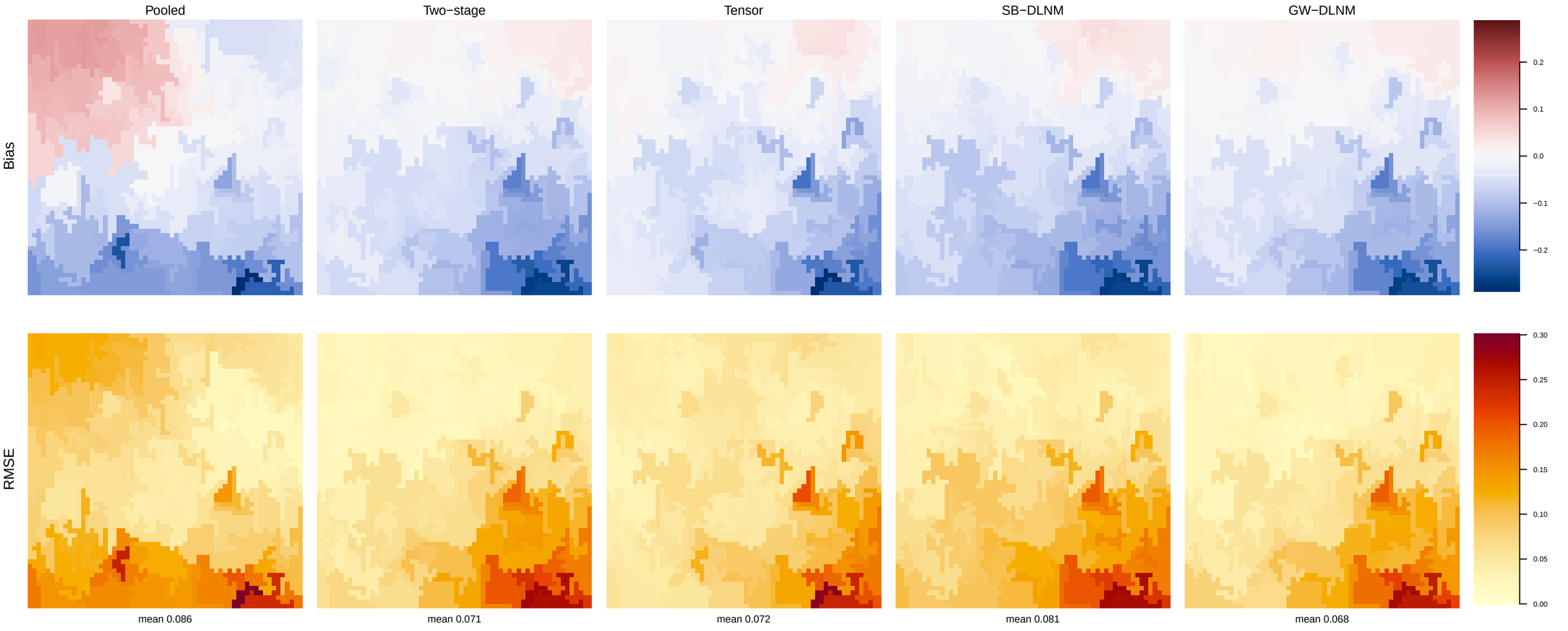
Scenario 677: square region, 120 counties, moderate inequality, regional pattern, spread 0.30, ridge gradient, threshold exposure−response, event rate 8, RR 1.6, short lag



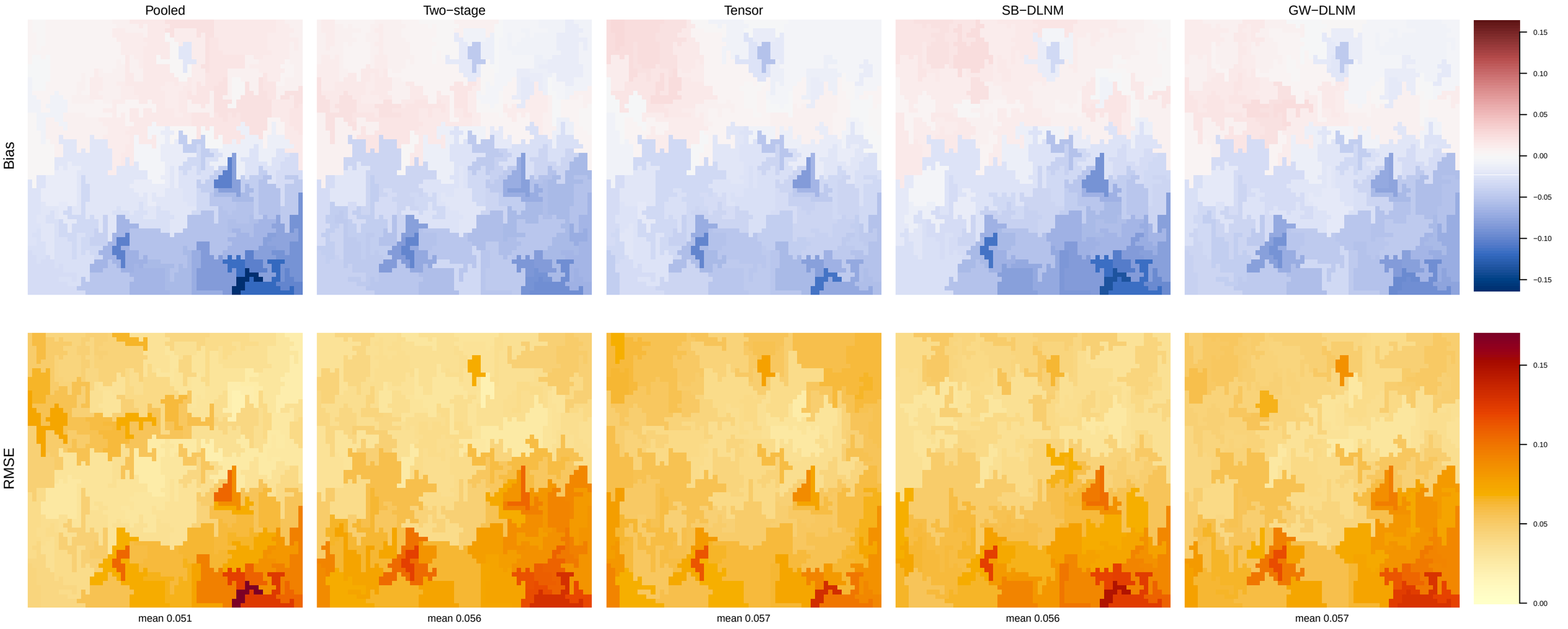
Scenario 613: square region, 120 counties, moderate inequality, local pattern, spread 0.30, valley gradient, threshold exposure−response, event rate 0.125, RR 1.2, harvest lag



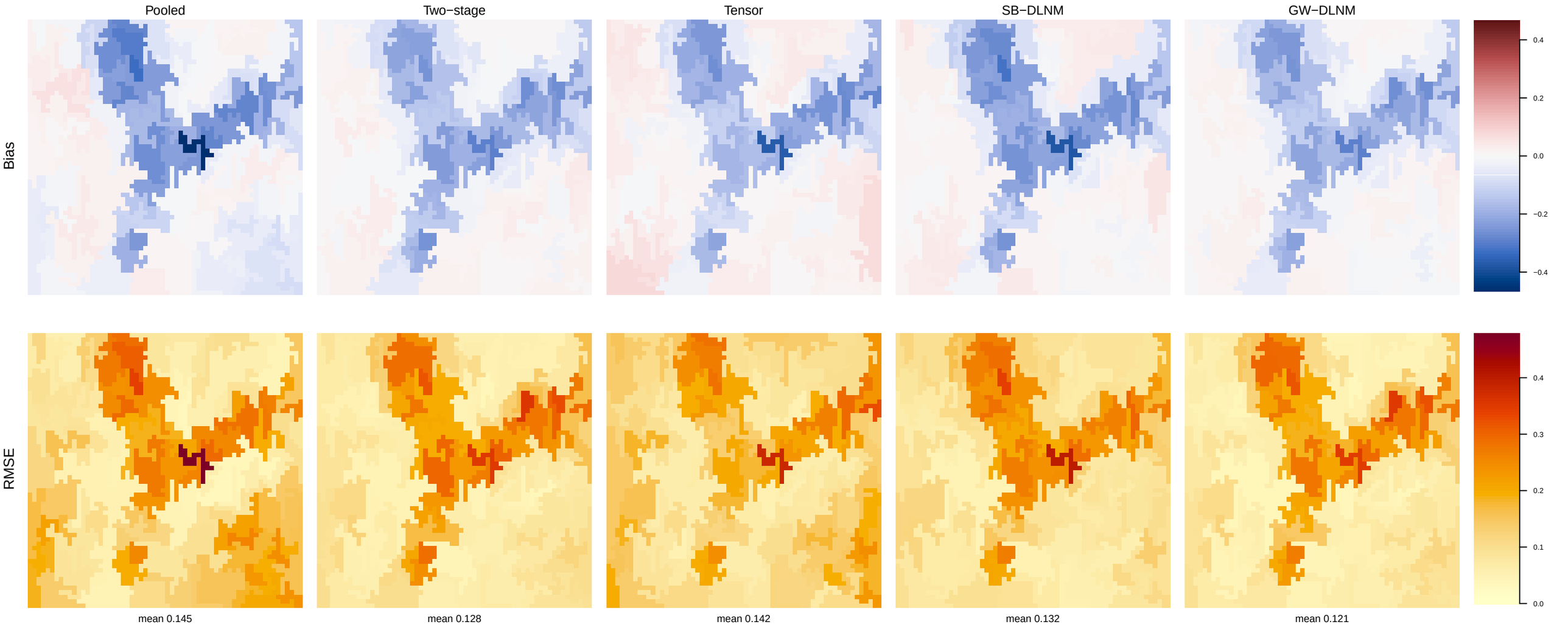
Scenario 805: square region, 120 counties, moderate inequality, independent pattern, spread 0.50, edges gradient, unimodal exposure−response, event rate 0.125, RR 1.0, decay lag



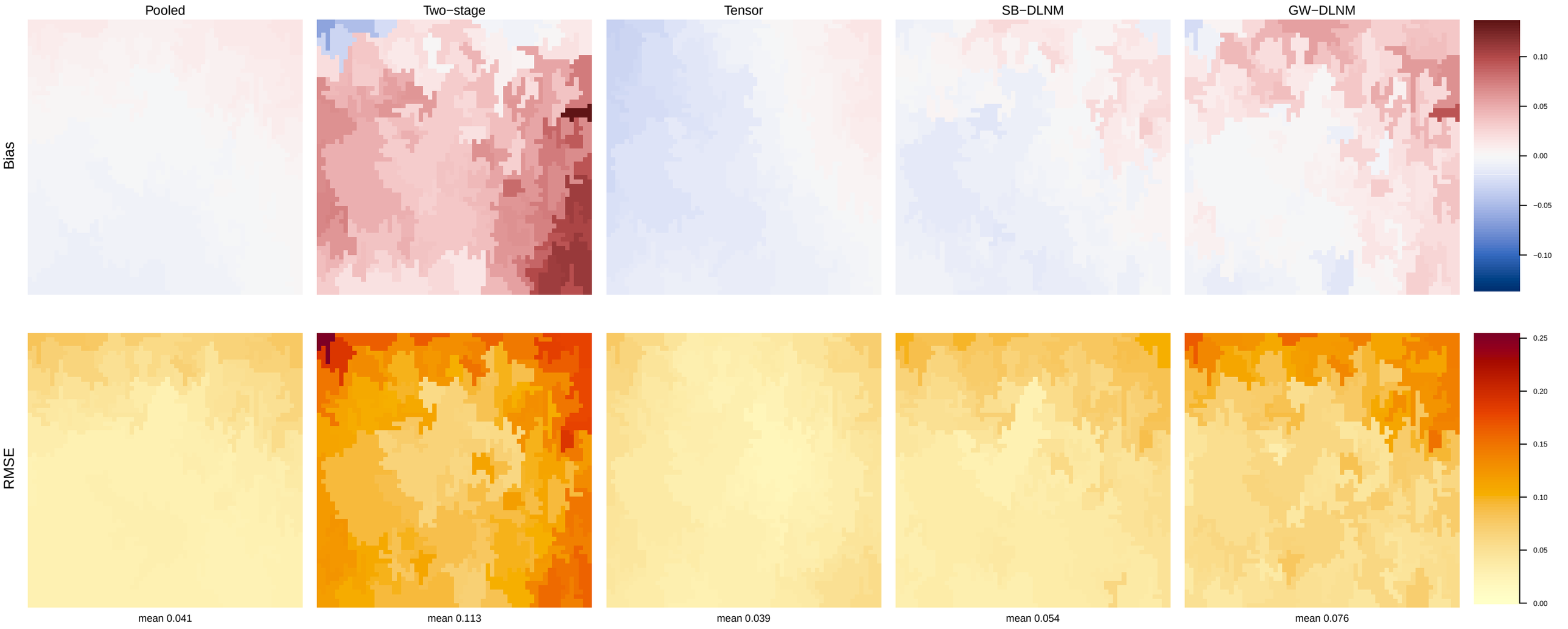
Scenario 997: square region, 120 counties, moderate inequality, boundary pattern, spread 0.50, NS gradient, unimodal exposure−response, event rate 8, RR 1.4, delayed lag



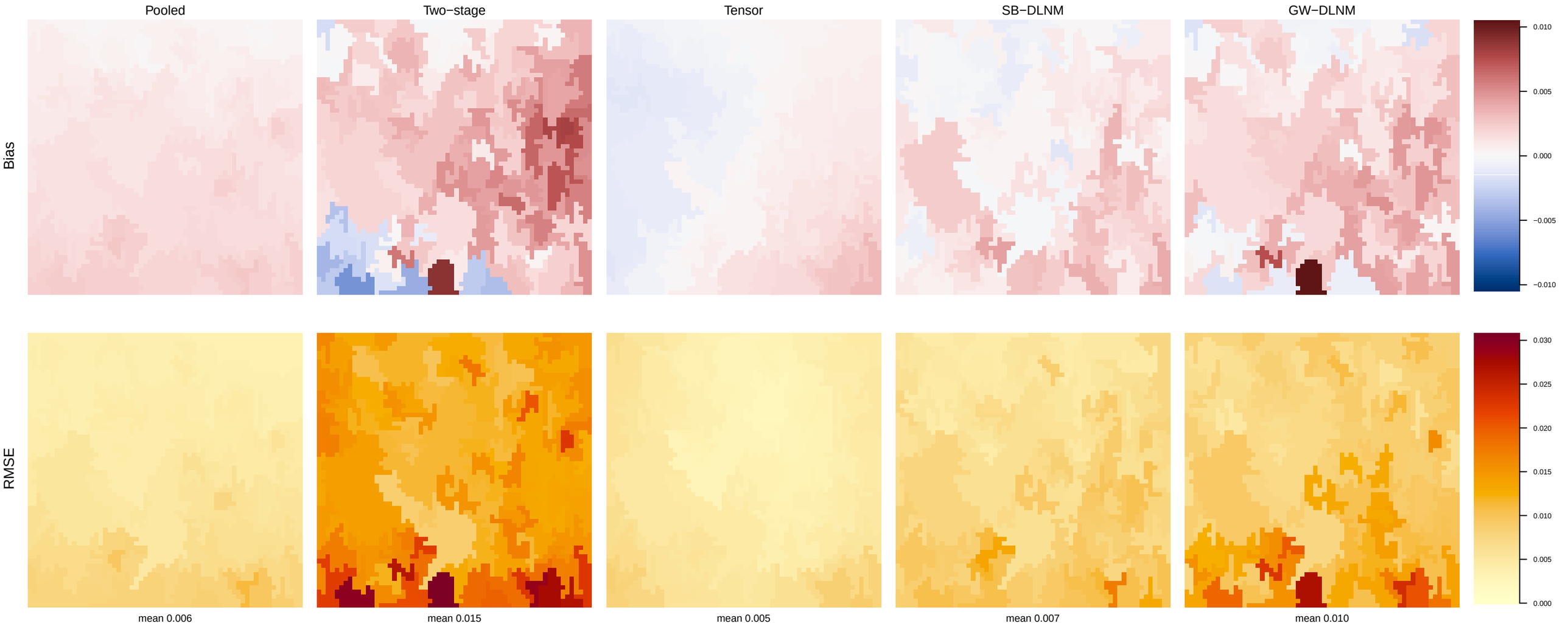
Scenario 933: square region, 120 counties, moderate inequality, regional pattern, spread 0.50, ridge gradient, unimodal exposure−response, event rate 2, RR 1.2, harvest lag



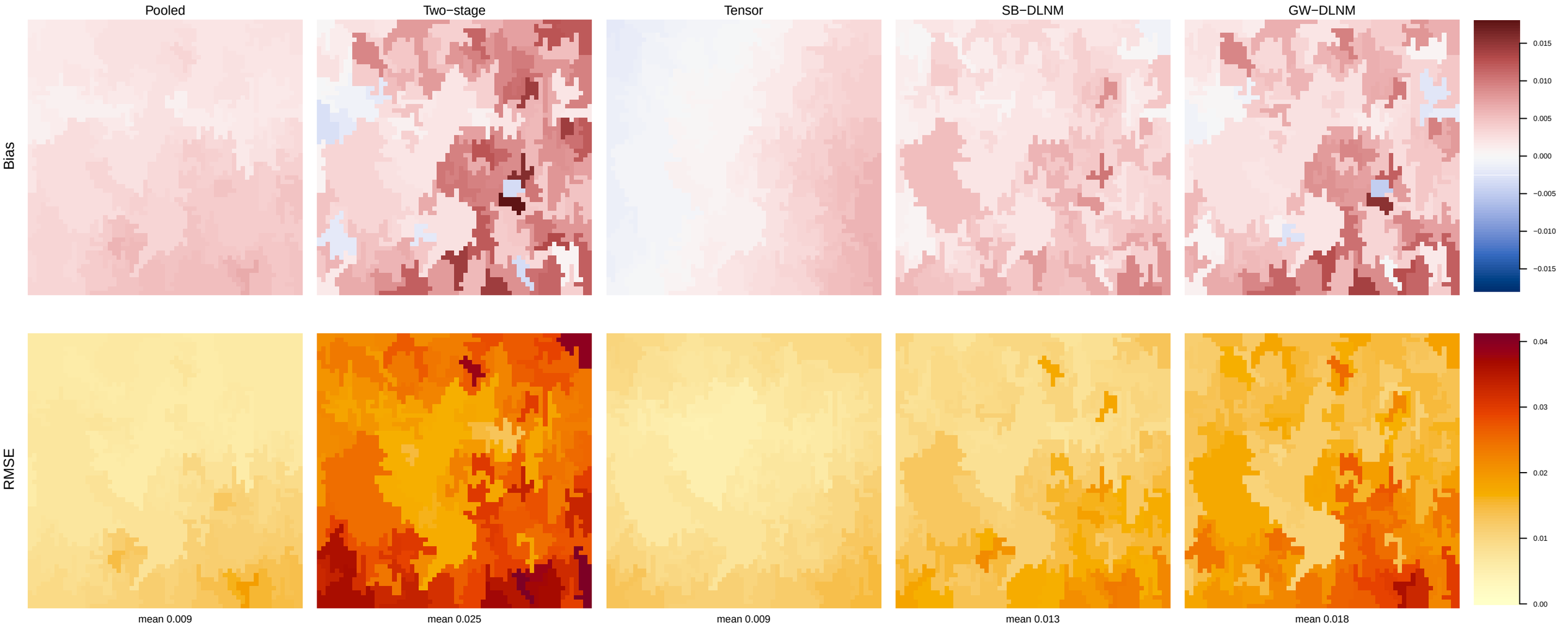
Scenario 869: square region, 120 counties, moderate inequality, local pattern, spread 0.50, valley gradient, unimodal exposure−response, event rate 0.5, RR 1.6, short lag



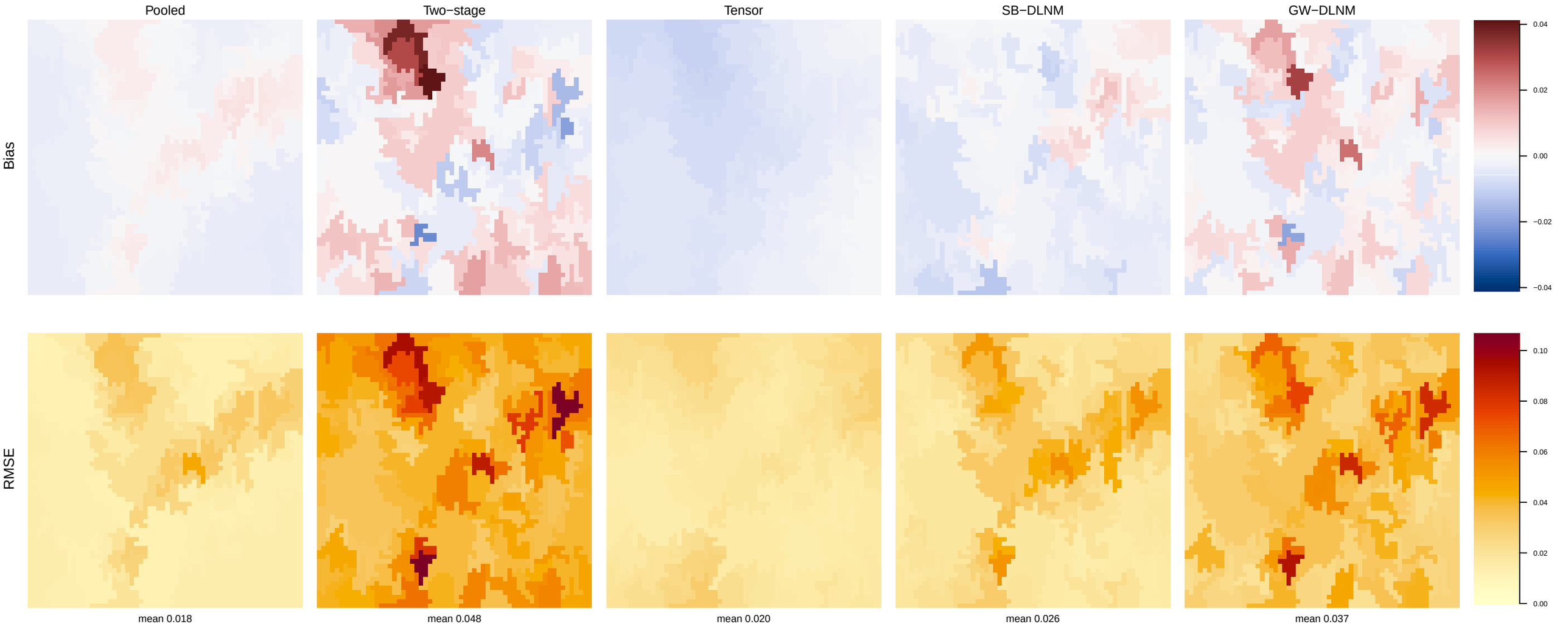
Scenario 117: square region, 120 counties, extreme inequality, local pattern, spread 0.00, edges gradient, linear exposure−response, event rate 0.125, RR 1.4, decay lag



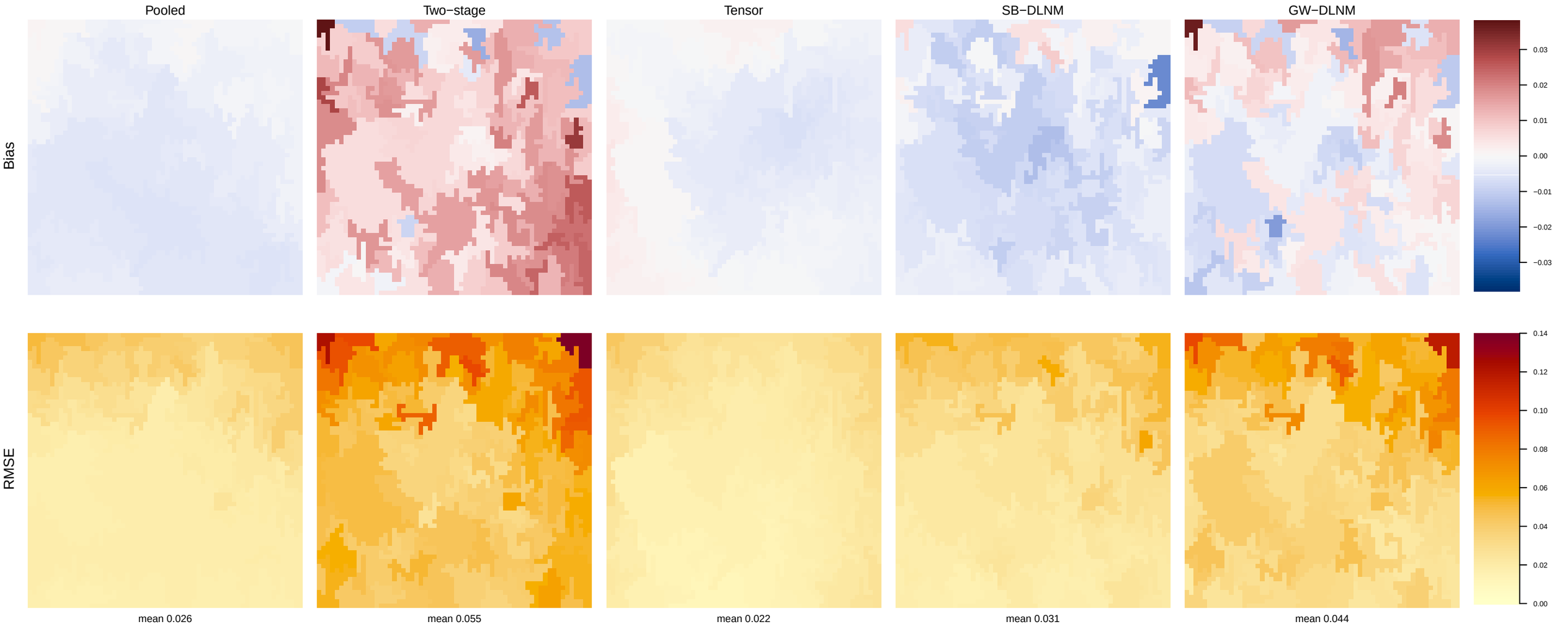
Scenario 181: square region, 120 counties, extreme inequality, regional pattern, spread 0.00, NS gradient, linear exposure−response, event rate 8, RR 1.0, delayed lag



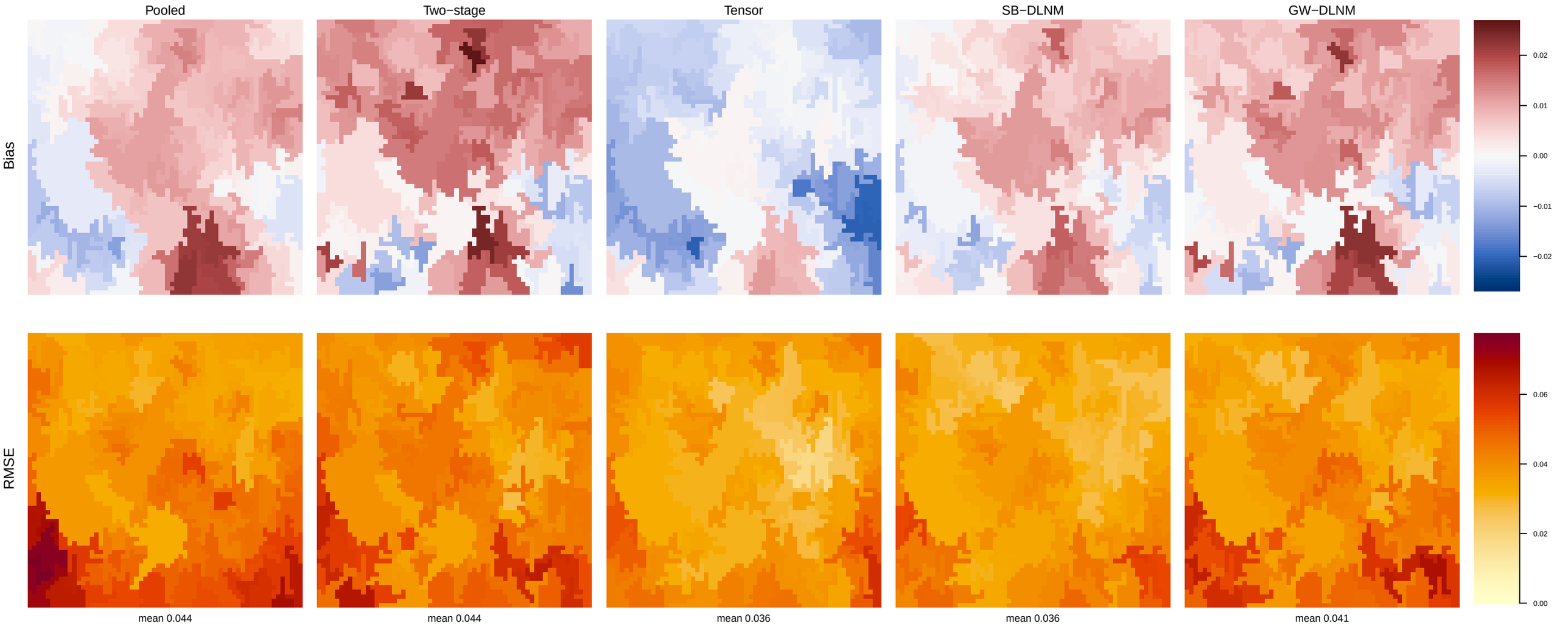
Scenario 245: square region, 120 counties, extreme inequality, boundary pattern, spread 0.00, ridge gradient, linear exposure−response, event rate 2, RR 1.6, harvest lag



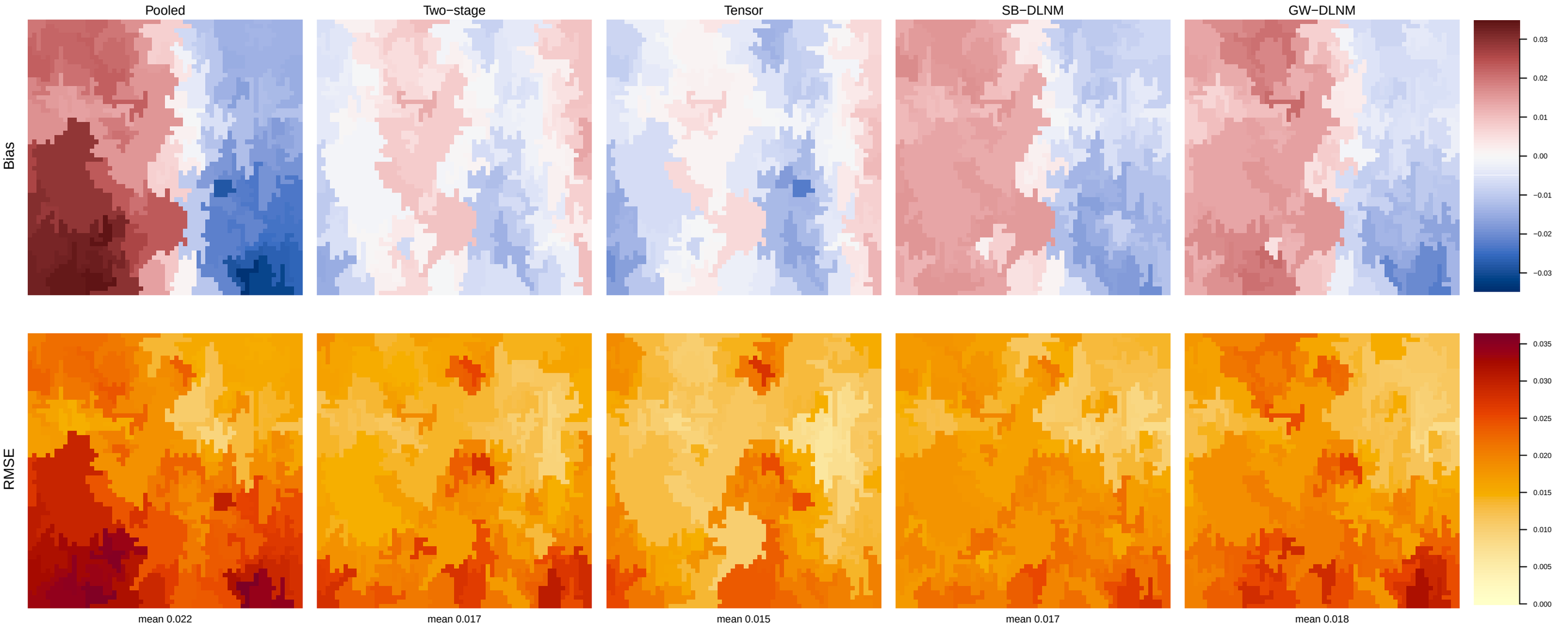
Scenario 53: square region, 120 counties, extreme inequality, independent pattern, spread 0.00, valley gradient, linear exposure−response, event rate 0.5, RR 1.2, short lag



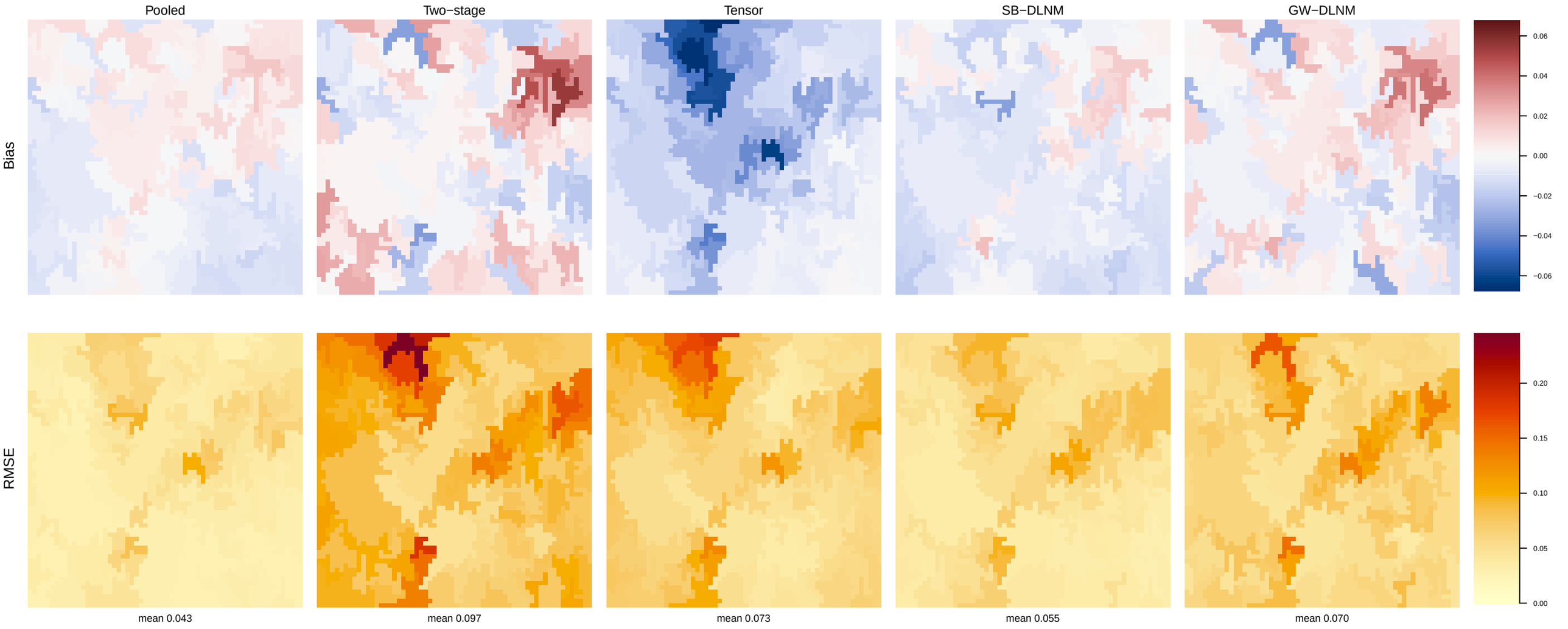
Scenario 373: square region, 120 counties, extreme inequality, local pattern, spread 0.15, edges gradient, J exposure−response, event rate 0.5, RR 1.0, delayed lag



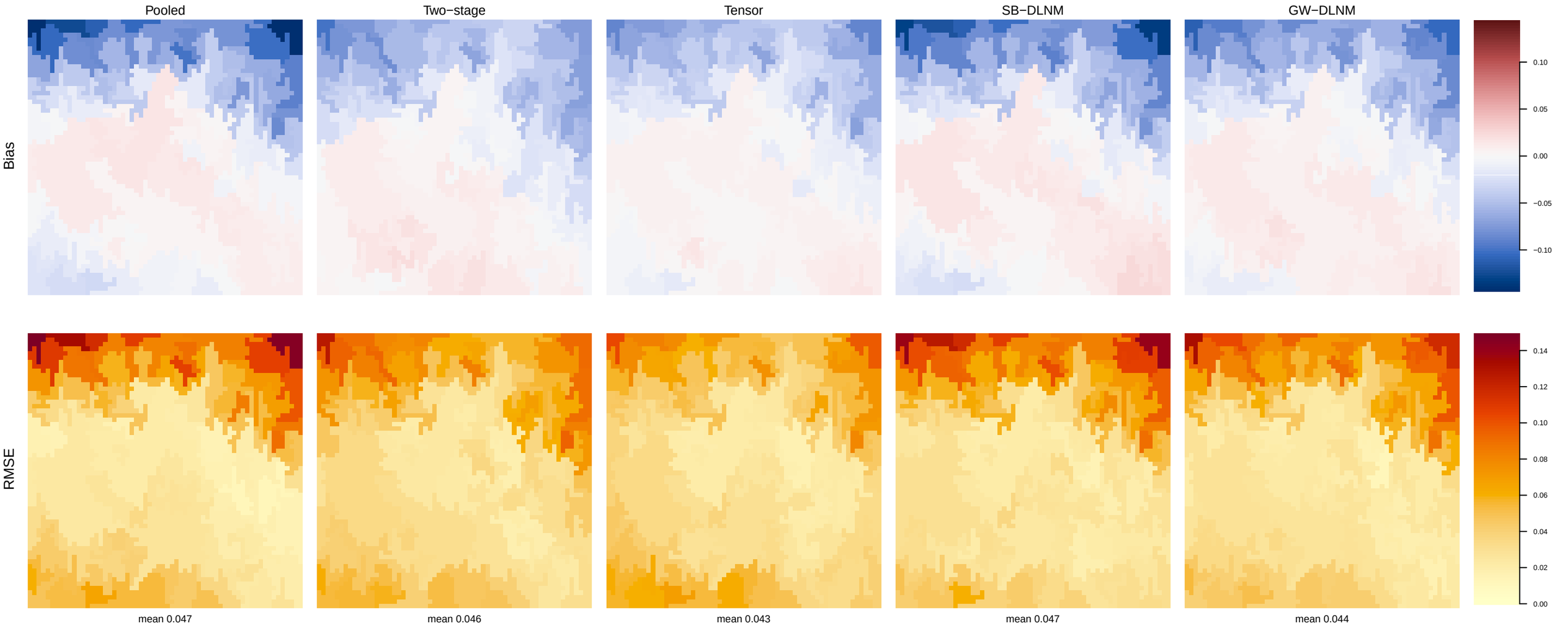
Scenario 437: square region, 120 counties, extreme inequality, regional pattern, spread 0.15, NS gradient, J exposure−response, event rate 2, RR 1.4, decay lag



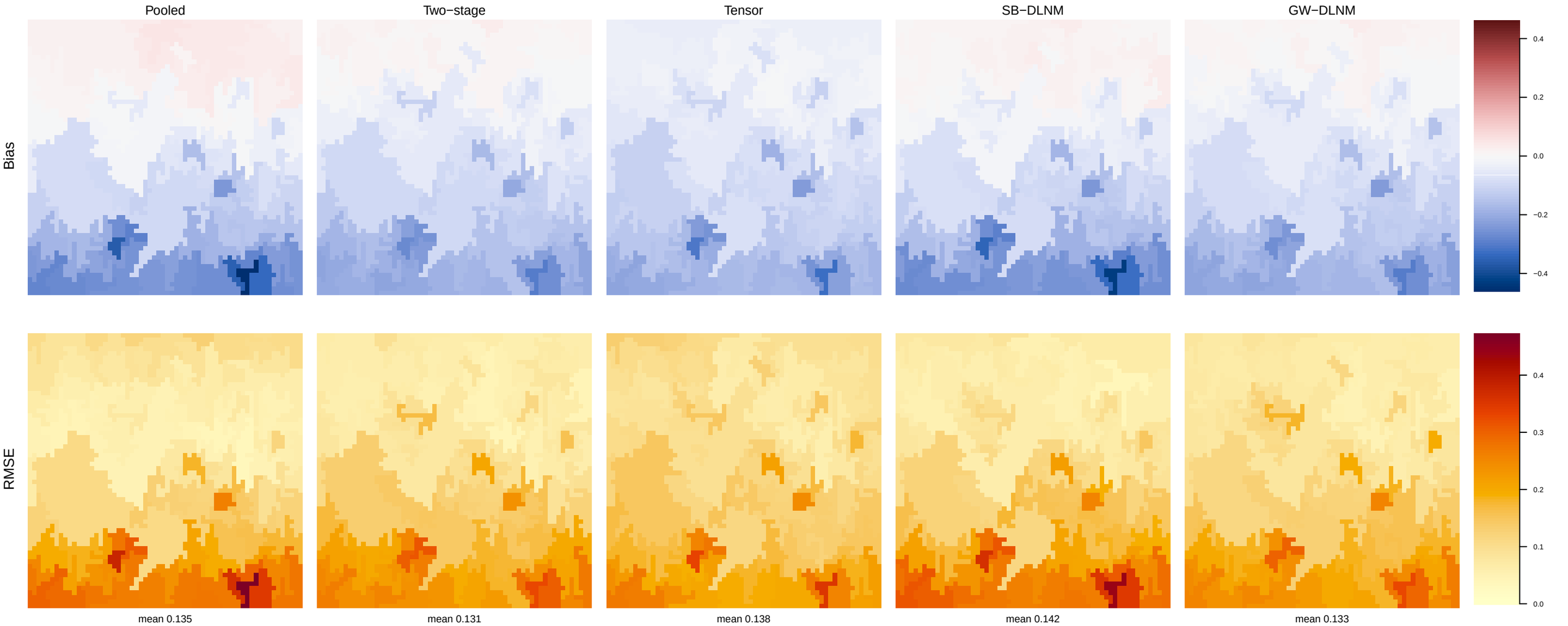
Scenario 501: square region, 120 counties, extreme inequality, boundary pattern, spread 0.15, ridge gradient, J exposure−response, event rate 8, RR 1.2, short lag



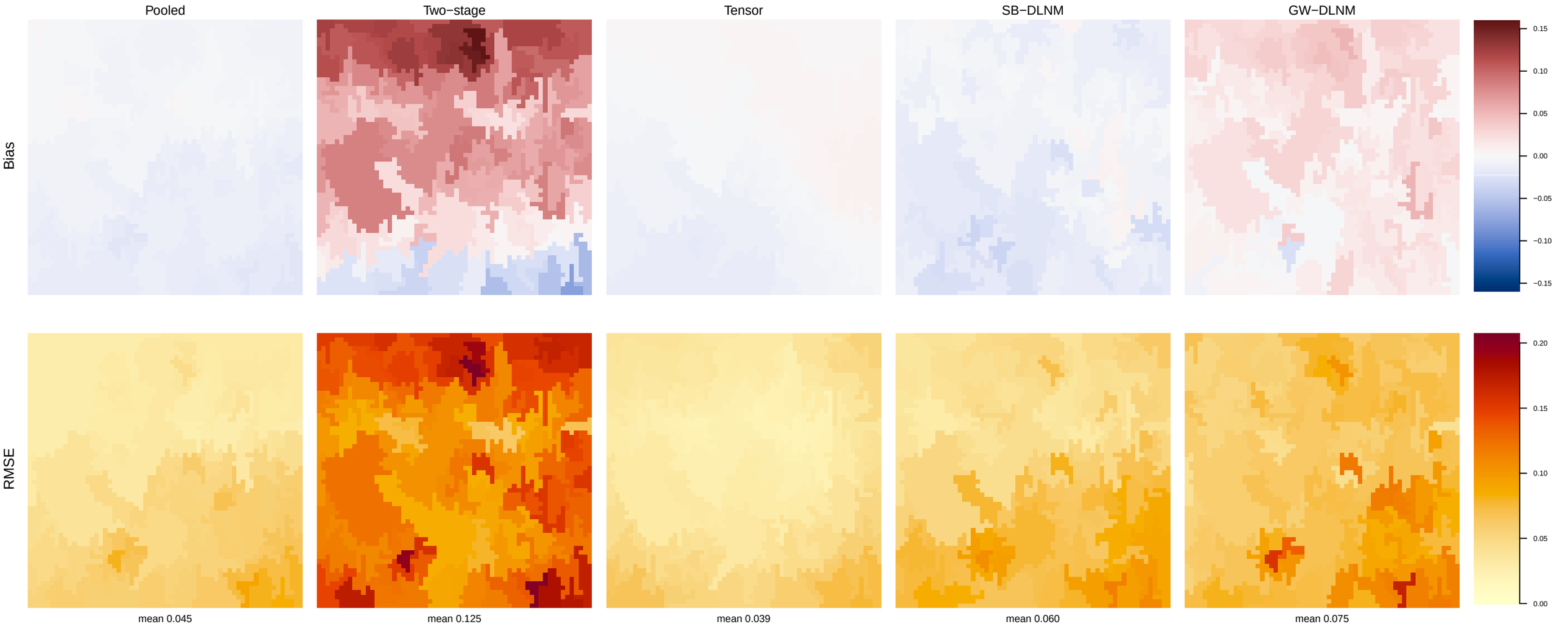
Scenario 309: square region, 120 counties, extreme inequality, independent pattern, spread 0.15, valley gradient, J exposure−response, event rate 0.125, RR 1.6, harvest lag



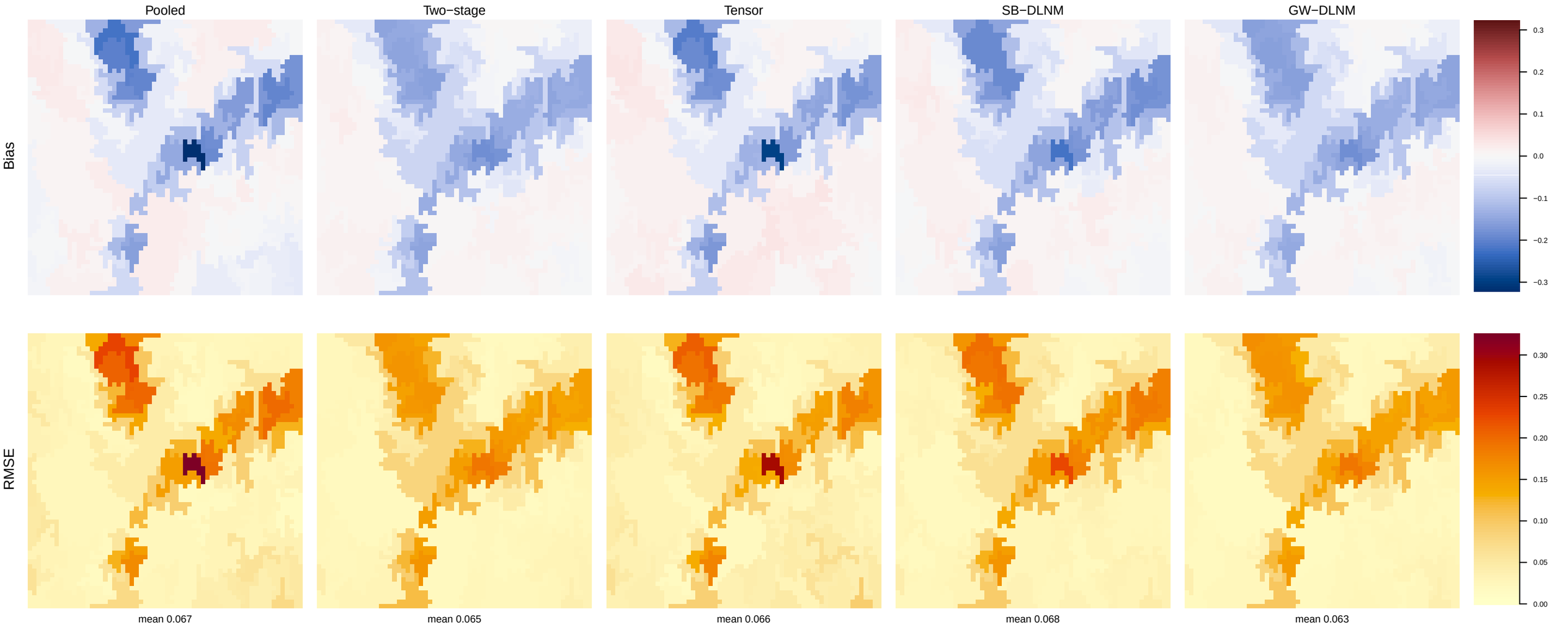
Scenario 629: square region, 120 counties, extreme inequality, local pattern, spread 0.30, edges gradient, unimodal exposure−response, event rate 2, RR 1.2, short lag



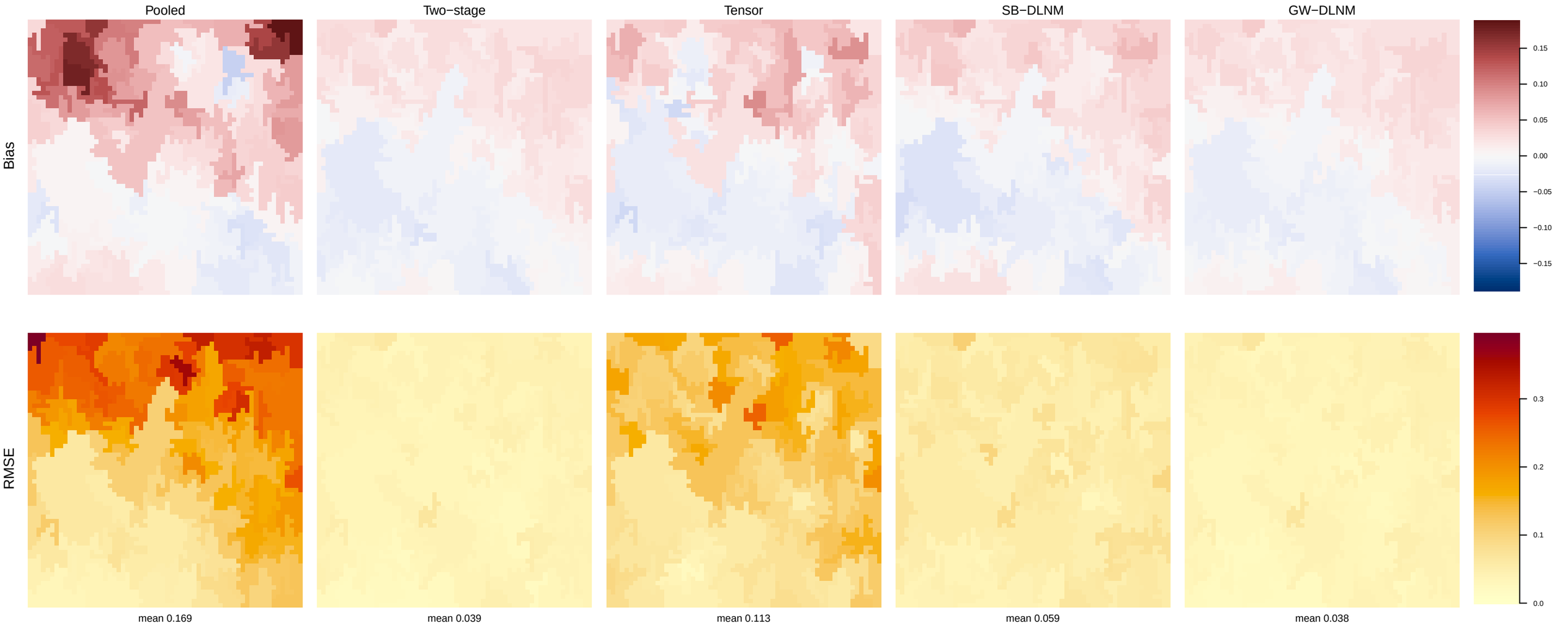
Scenario 693: square region, 120 counties, extreme inequality, regional pattern, spread 0.30, NS gradient, unimodal exposure−response, event rate 0.5, RR 1.6, harvest lag



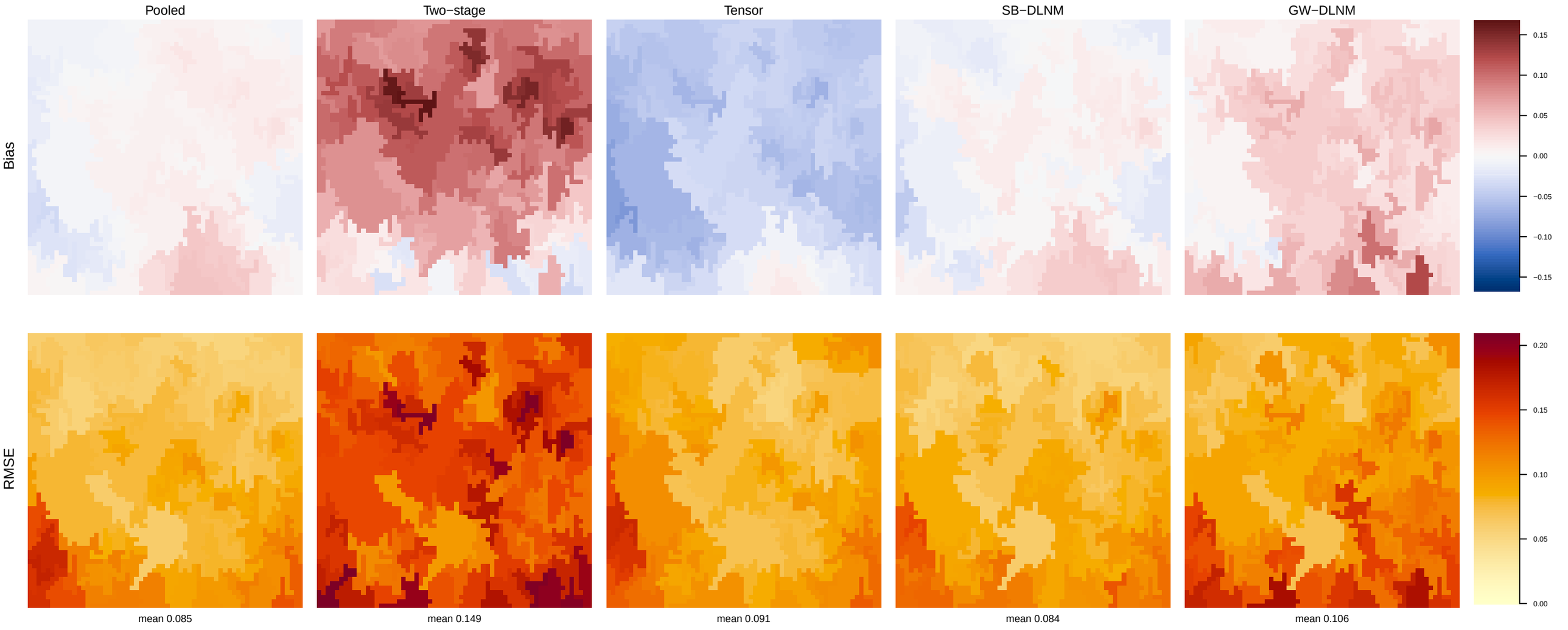
Scenario 757: square region, 120 counties, extreme inequality, boundary pattern, spread 0.30, ridge gradient, unimodal exposure−response, event rate 0.125, RR 1.0, delayed lag



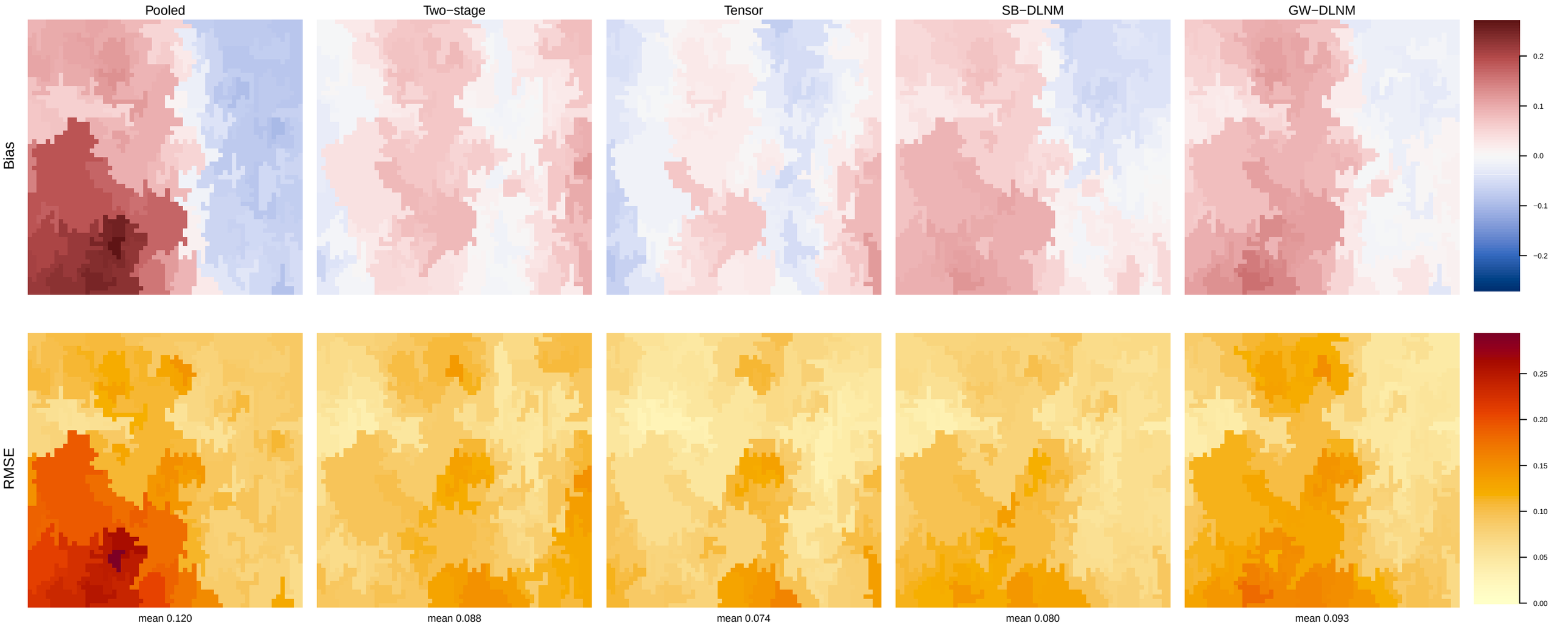
Scenario 565: square region, 120 counties, extreme inequality, independent pattern, spread 0.30, valley gradient, unimodal exposure−response, event rate 8, RR 1.4, decay lag



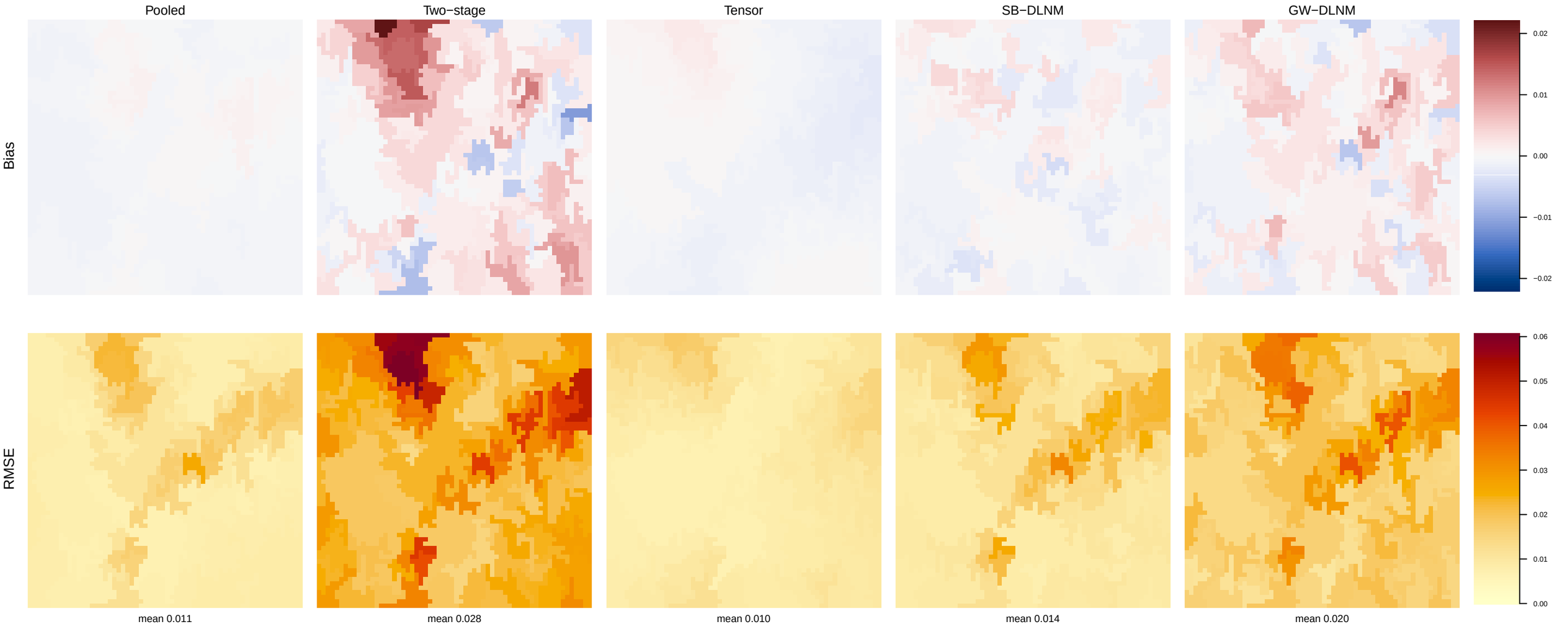
Scenario 885: square region, 120 counties, extreme inequality, local pattern, spread 0.50, edges gradient, threshold exposure−response, event rate 8, RR 1.6, harvest lag



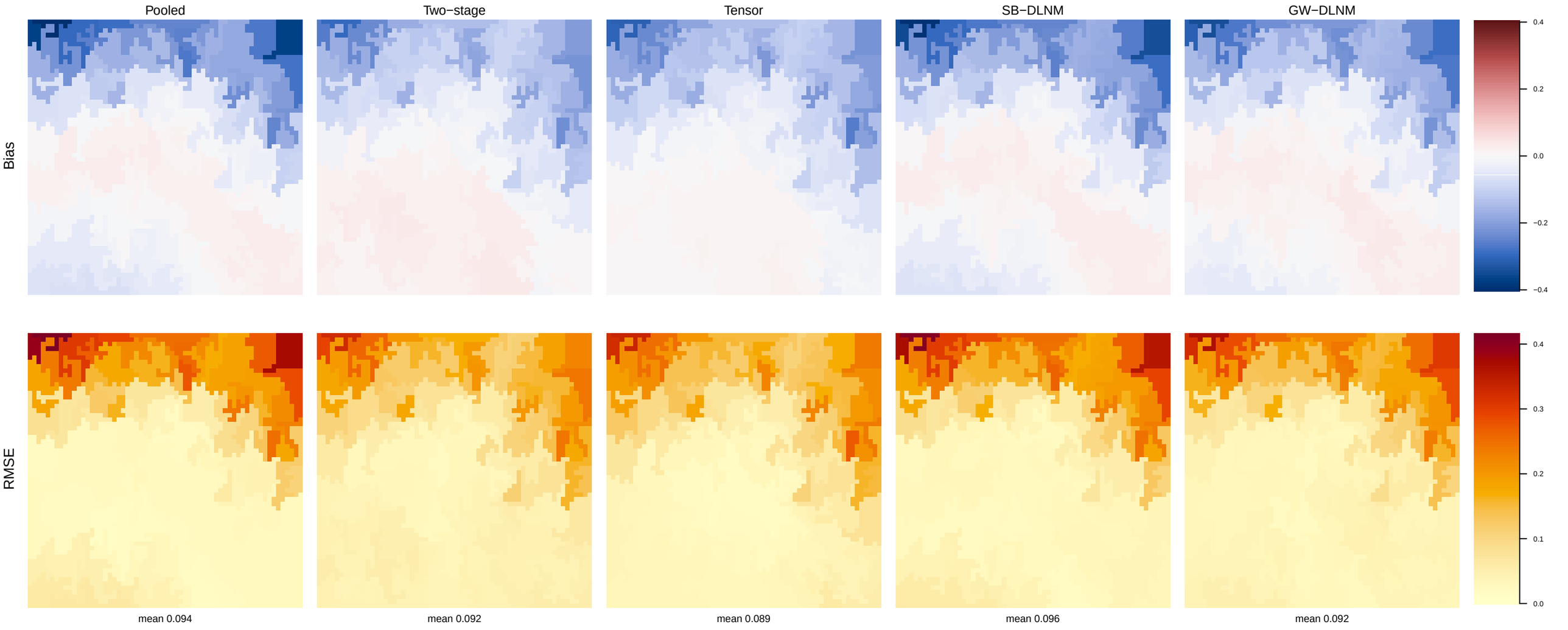
Scenario 949: square region, 120 counties, extreme inequality, regional pattern, spread 0.50, NS gradient, threshold exposure−response, event rate 0.125, RR 1.2, short lag



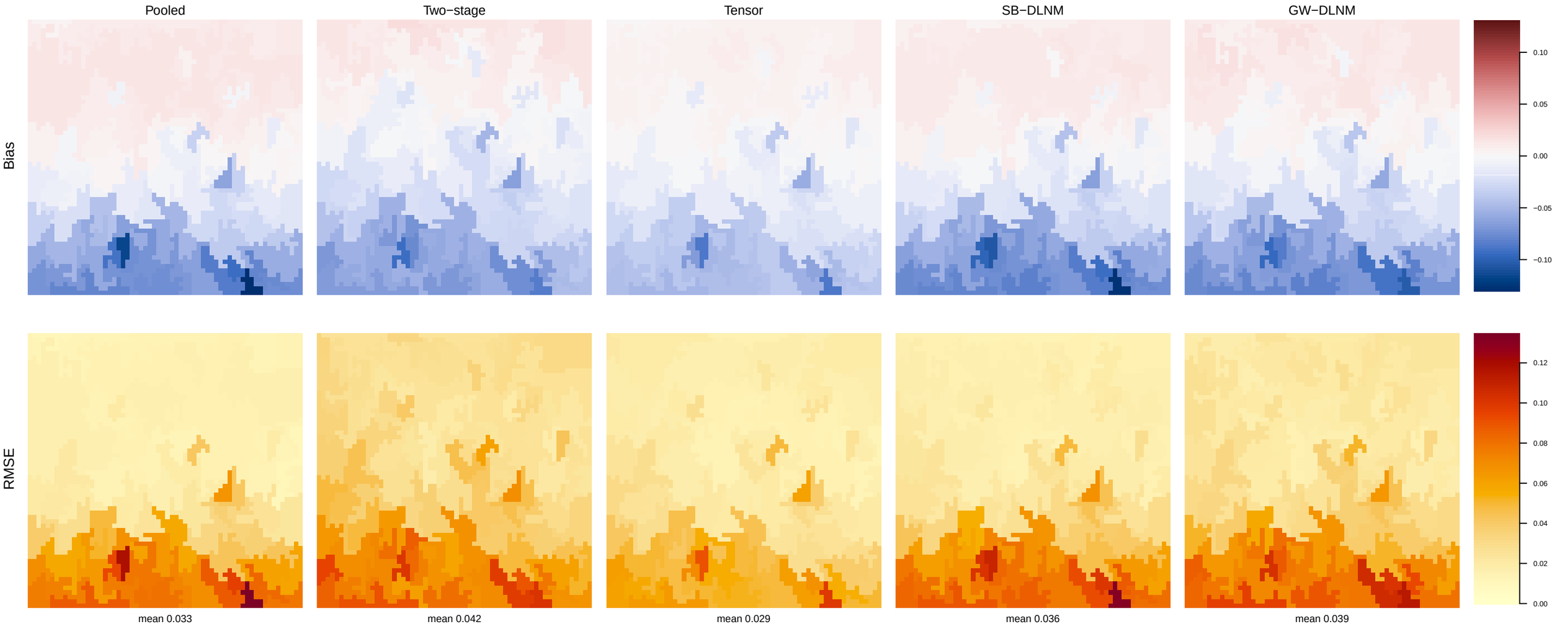
Scenario 1013: square region, 120 counties, extreme inequality, boundary pattern, spread 0.50, ridge gradient, threshold exposure−response, event rate 0.5, RR 1.4, decay lag



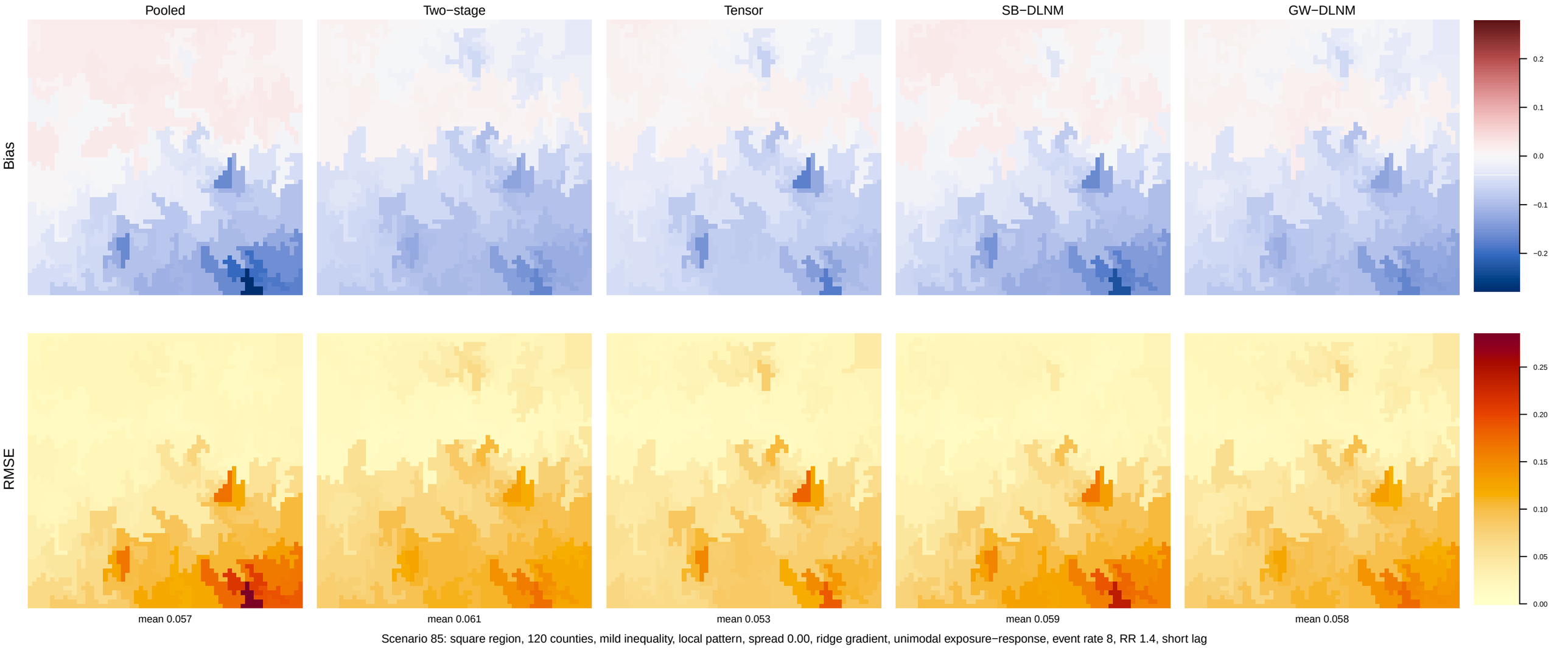
Scenario 821: square region, 120 counties, extreme inequality, independent pattern, spread 0.50, valley gradient, threshold exposure−response, event rate 2, RR 1.0, delayed lag



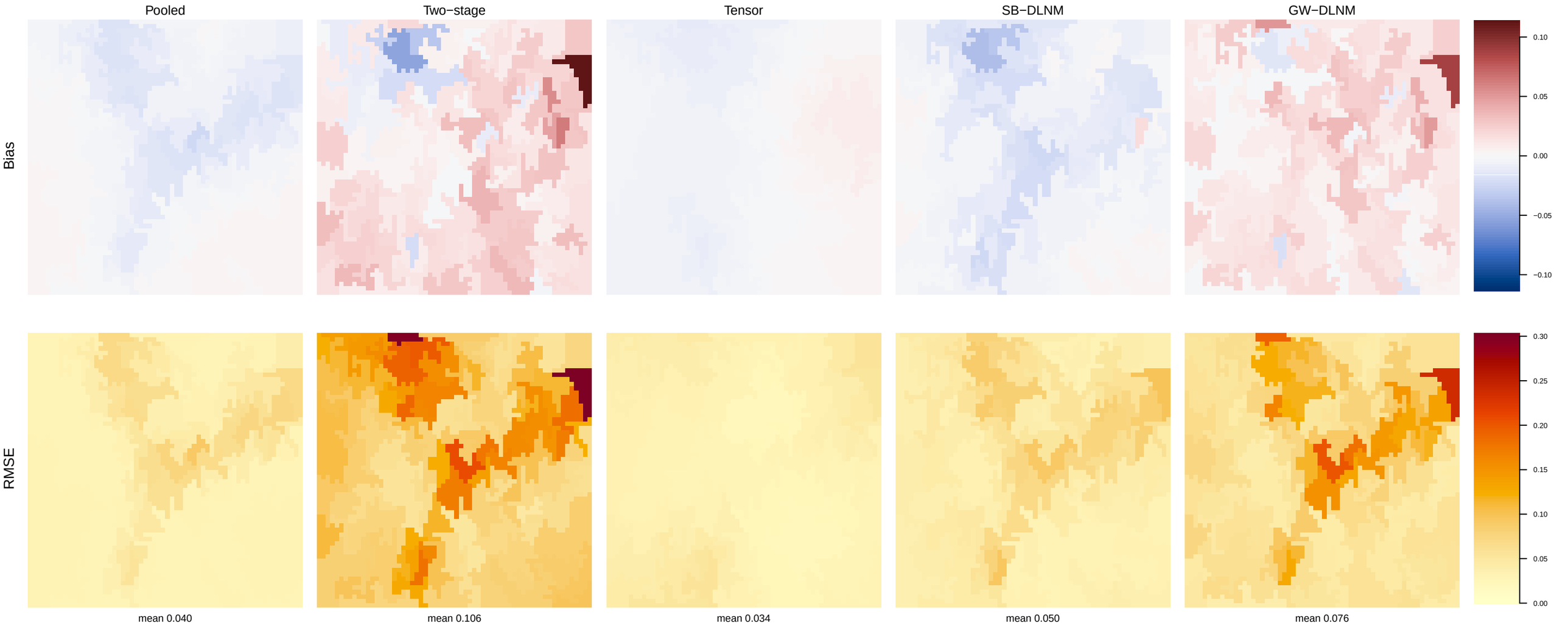
Scenario 213: square region, 120 counties, mild inequality, boundary pattern, spread 0.00, edges gradient, unimodal exposure−response, event rate 0.5, RR 1.6, delayed lag



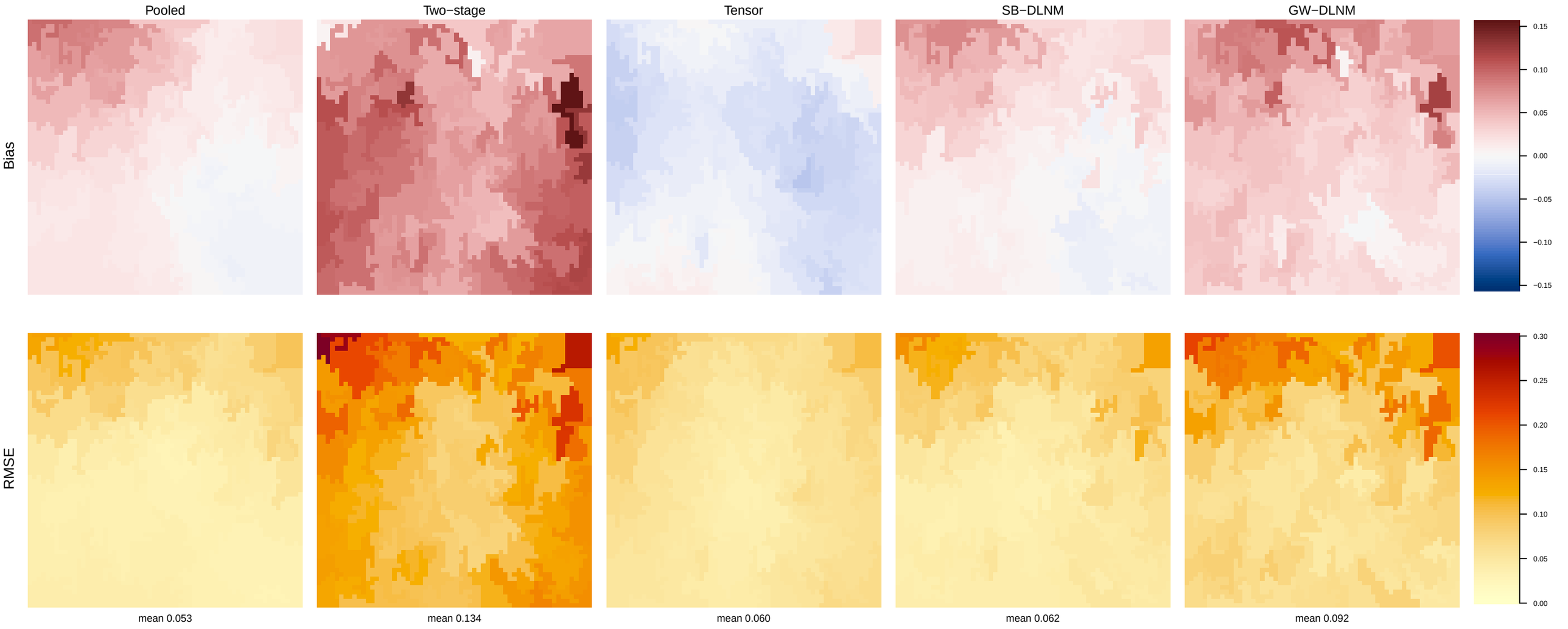
Scenario 21: square region, 120 counties, mild inequality, independent pattern, spread 0.00, NS gradient, unimodal exposure−response, event rate 2, RR 1.2, decay lag



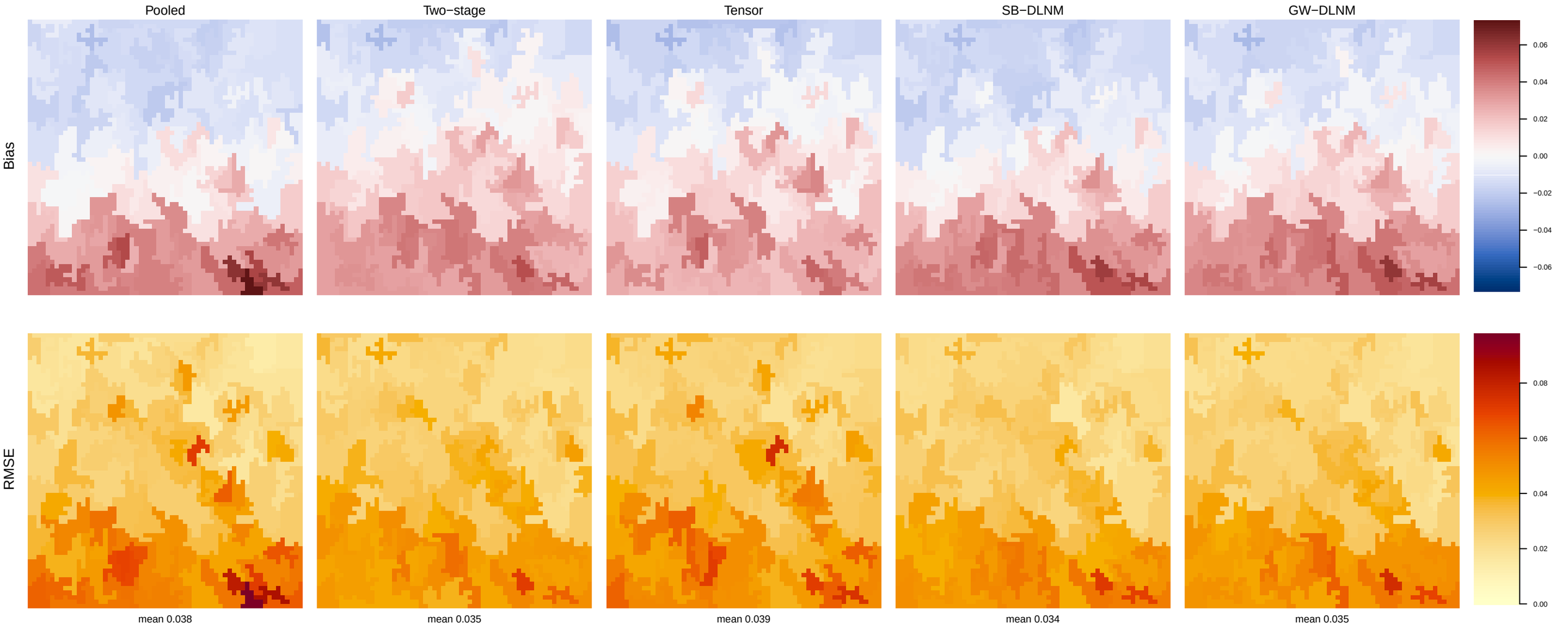
Scenario 85: square region, 120 counties, mild inequality, local pattern, spread 0.00, ridge gradient, unimodal exposure−response, event rate 8, RR 1.4, short lag



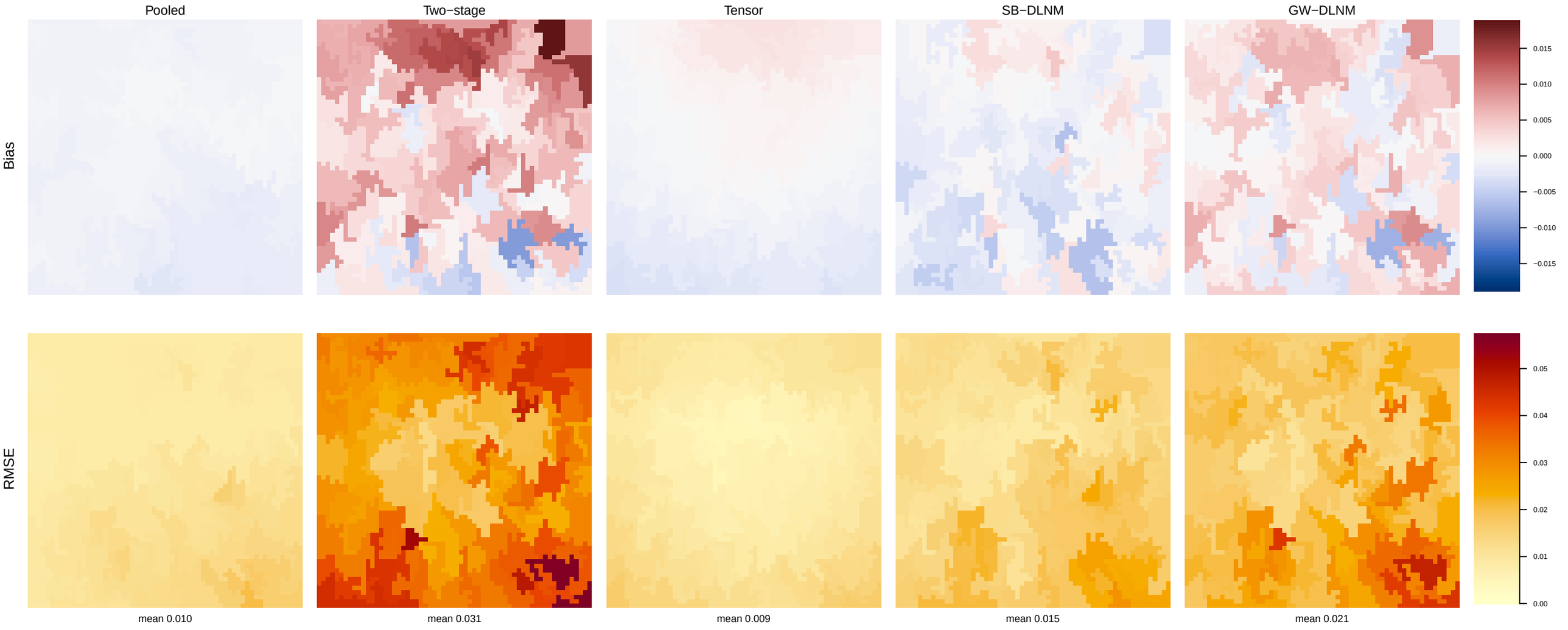
Scenario 149: square region, 120 counties, mild inequality, regional pattern, spread 0.00, valley gradient, unimodal exposure−response, event rate 0.125, RR 1.0, harvest lag



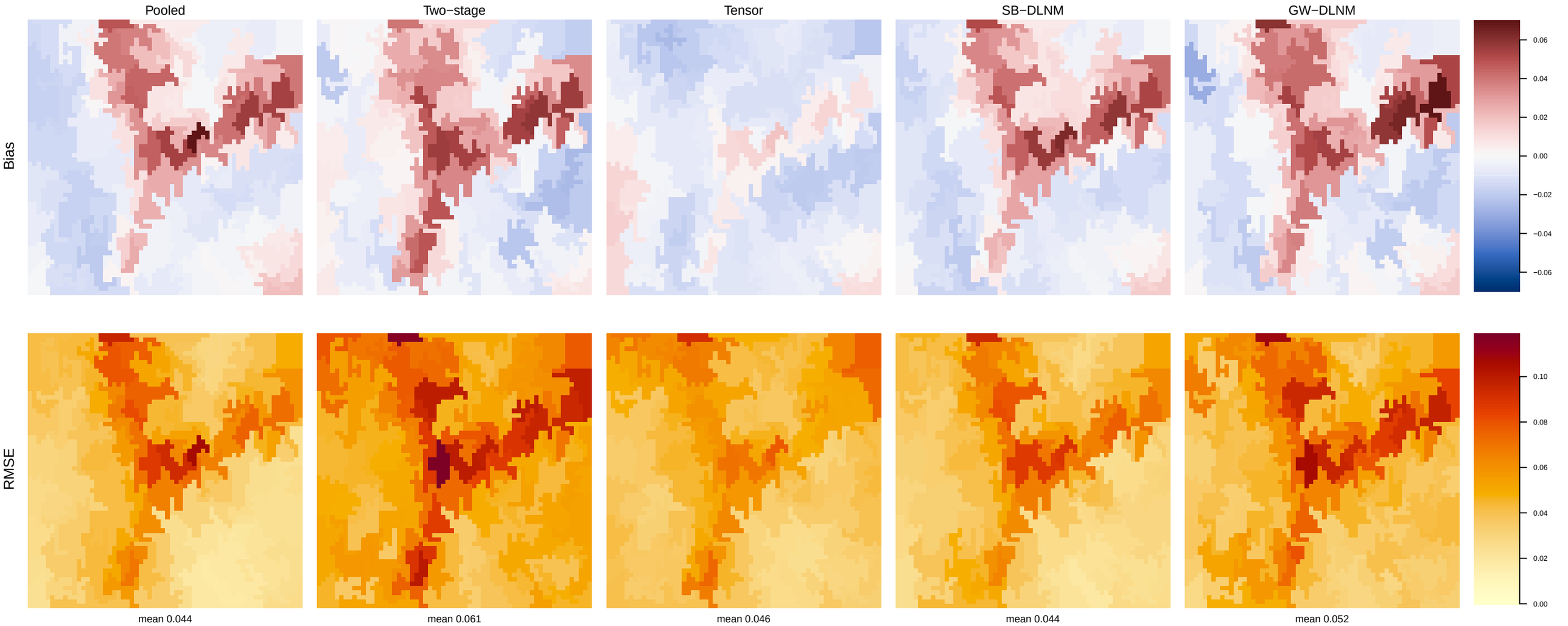
Scenario 469: square region, 120 counties, mild inequality, boundary pattern, spread 0.15, edges gradient, threshold exposure−response, event rate 0.125, RR 1.2, decay lag



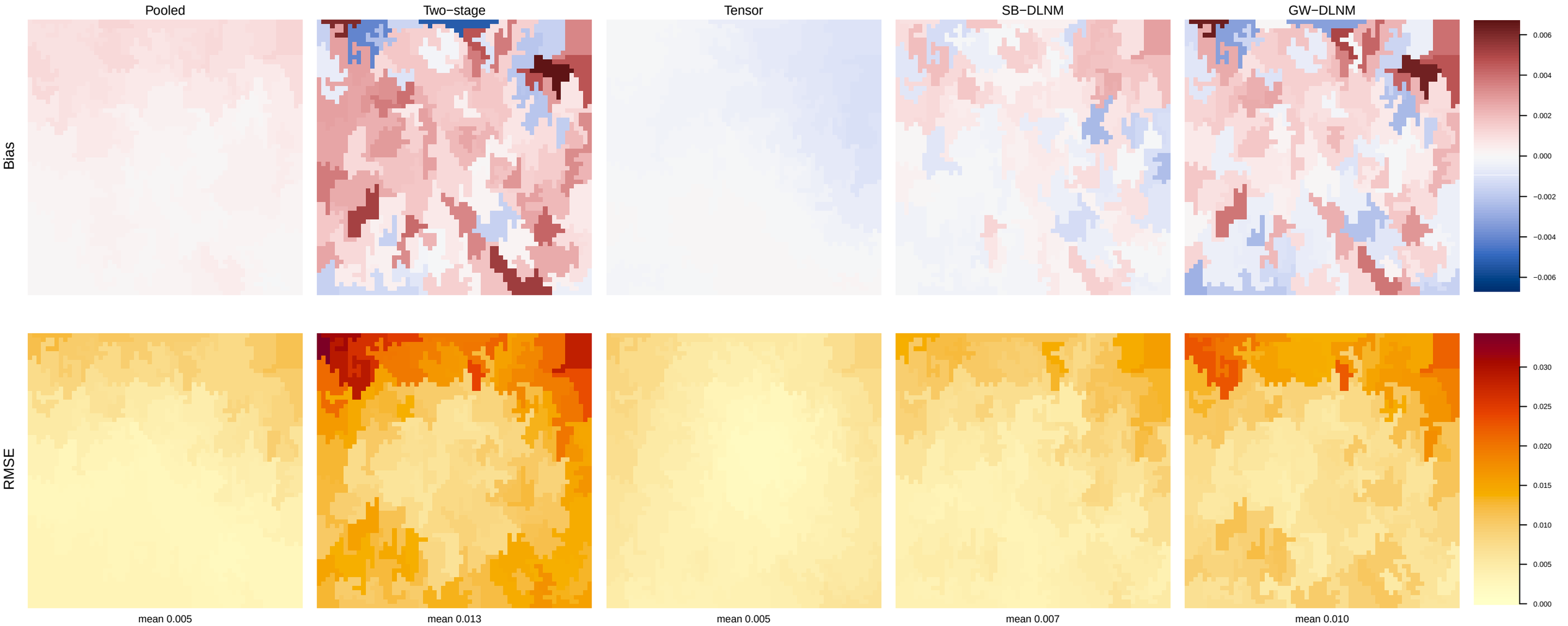
Scenario 277: square region, 120 counties, mild inequality, independent pattern, spread 0.15, NS gradient, threshold exposure−response, event rate 8, RR 1.6, delayed lag



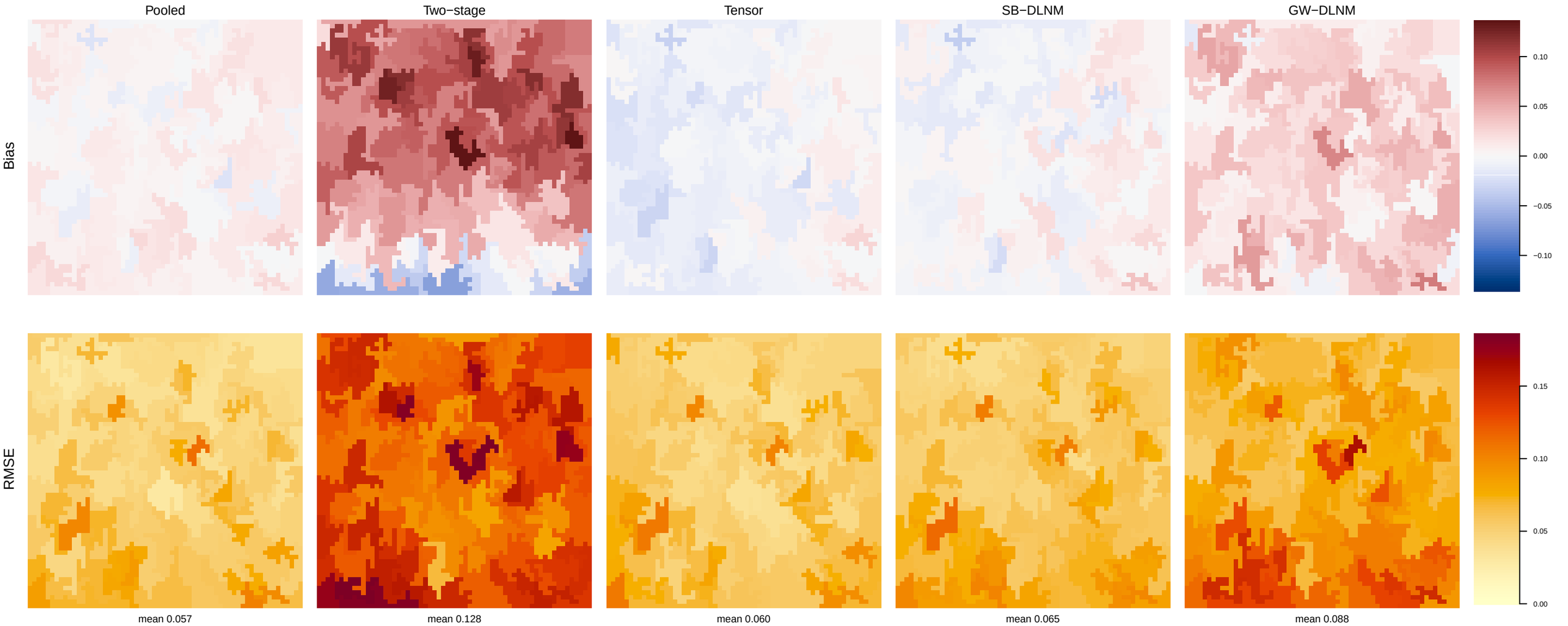
Scenario 341: square region, 120 counties, mild inequality, local pattern, spread 0.15, ridge gradient, threshold exposure−response, event rate 2, RR 1.0, harvest lag



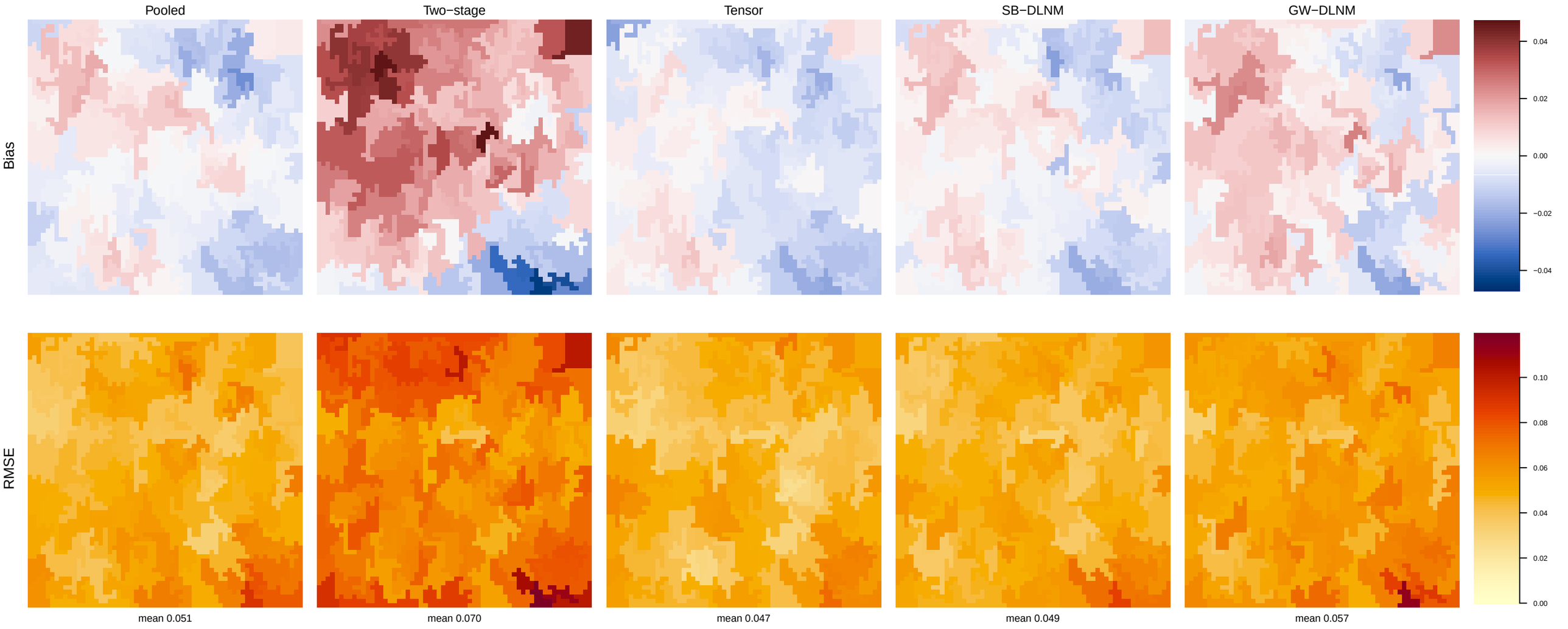
Scenario 405: square region, 120 counties, mild inequality, regional pattern, spread 0.15, valley gradient, threshold exposure−response, event rate 0.5, RR 1.4, short lag



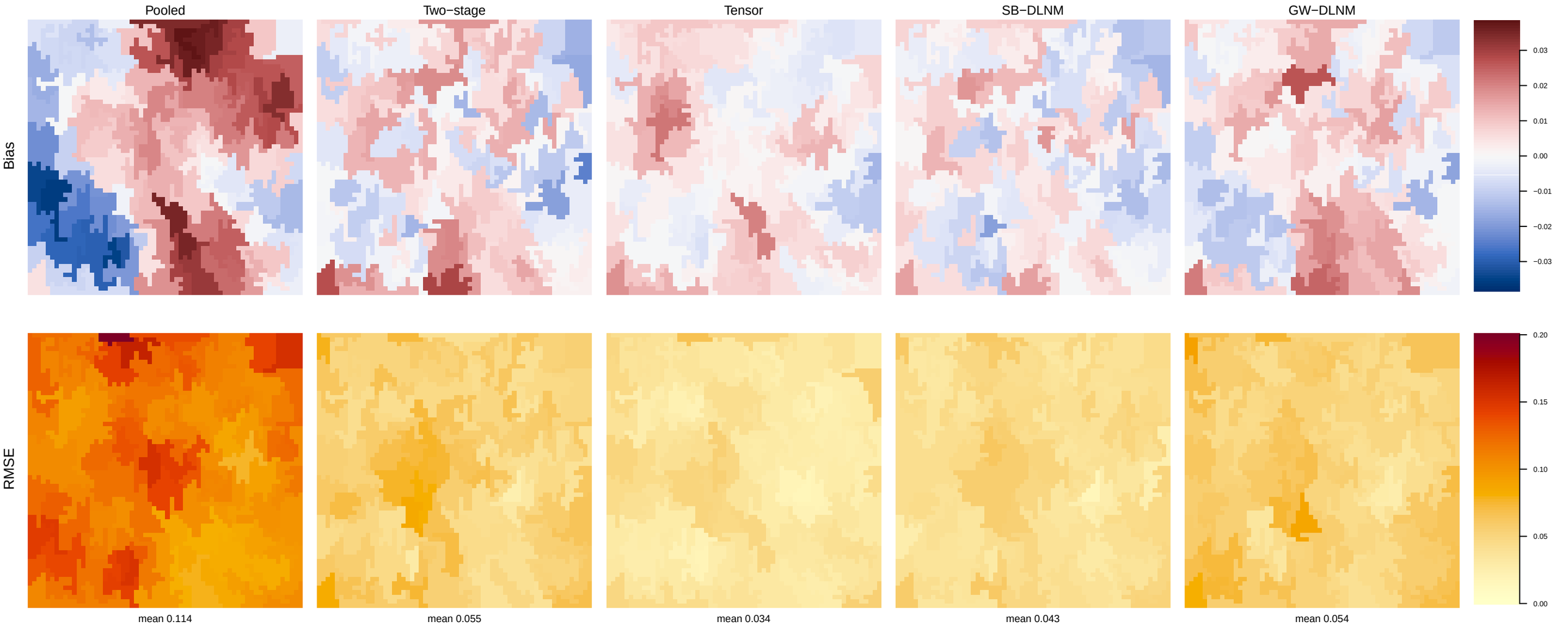
Scenario 725: square region, 120 counties, mild inequality, boundary pattern, spread 0.30, edges gradient, linear exposure−response, event rate 8, RR 1.0, harvest lag



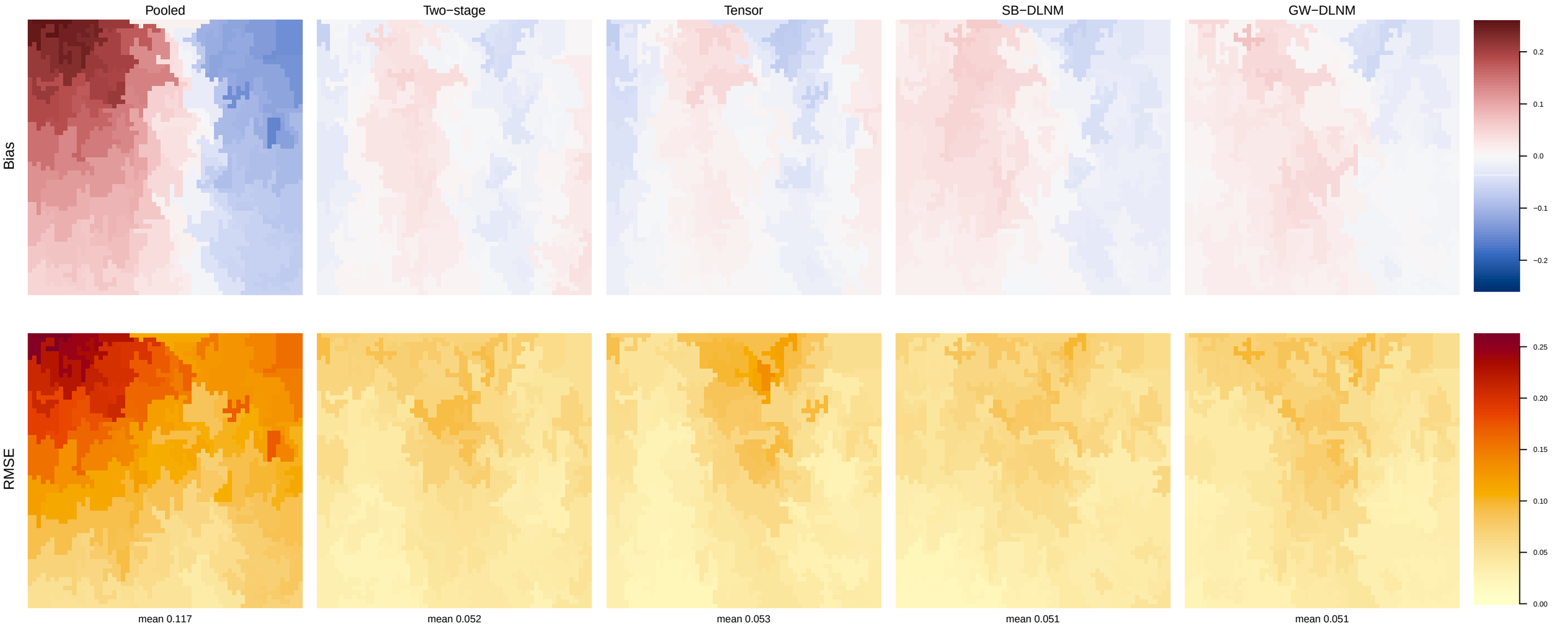
Scenario 533: square region, 120 counties, mild inequality, independent pattern, spread 0.30, NS gradient, linear exposure−response, event rate 0.125, RR 1.4, short lag



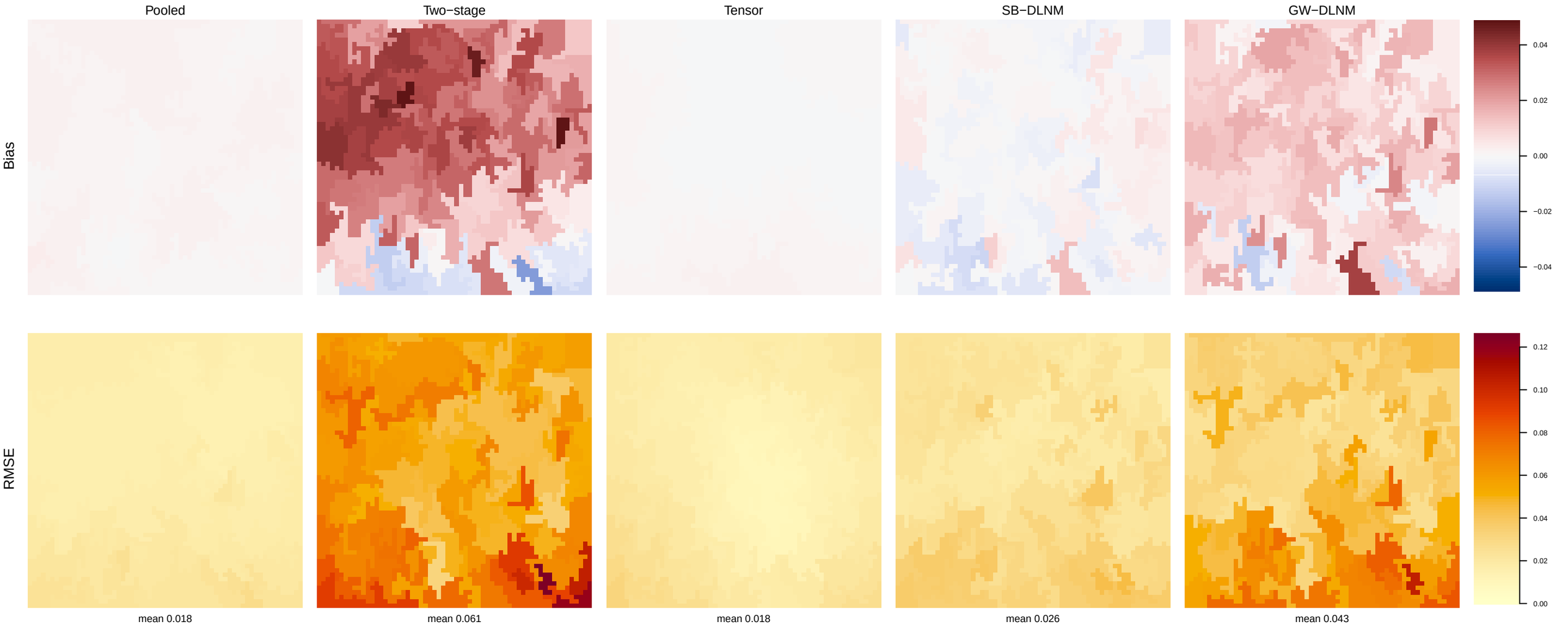
Scenario 597: square region, 120 counties, mild inequality, local pattern, spread 0.30, ridge gradient, linear exposure−response, event rate 0.5, RR 1.2, decay lag



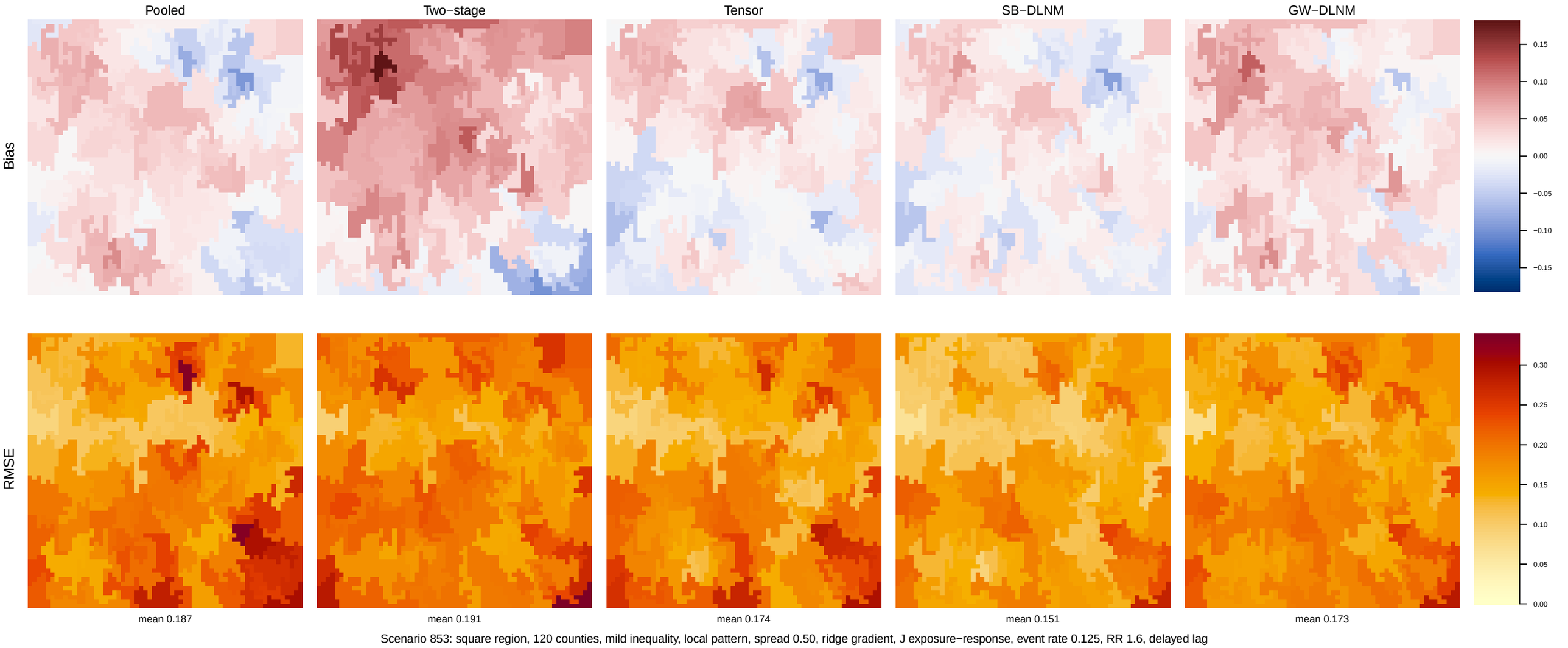
Scenario 661: square region, 120 counties, mild inequality, regional pattern, spread 0.30, valley gradient, linear exposure−response, event rate 2, RR 1.6, delayed lag



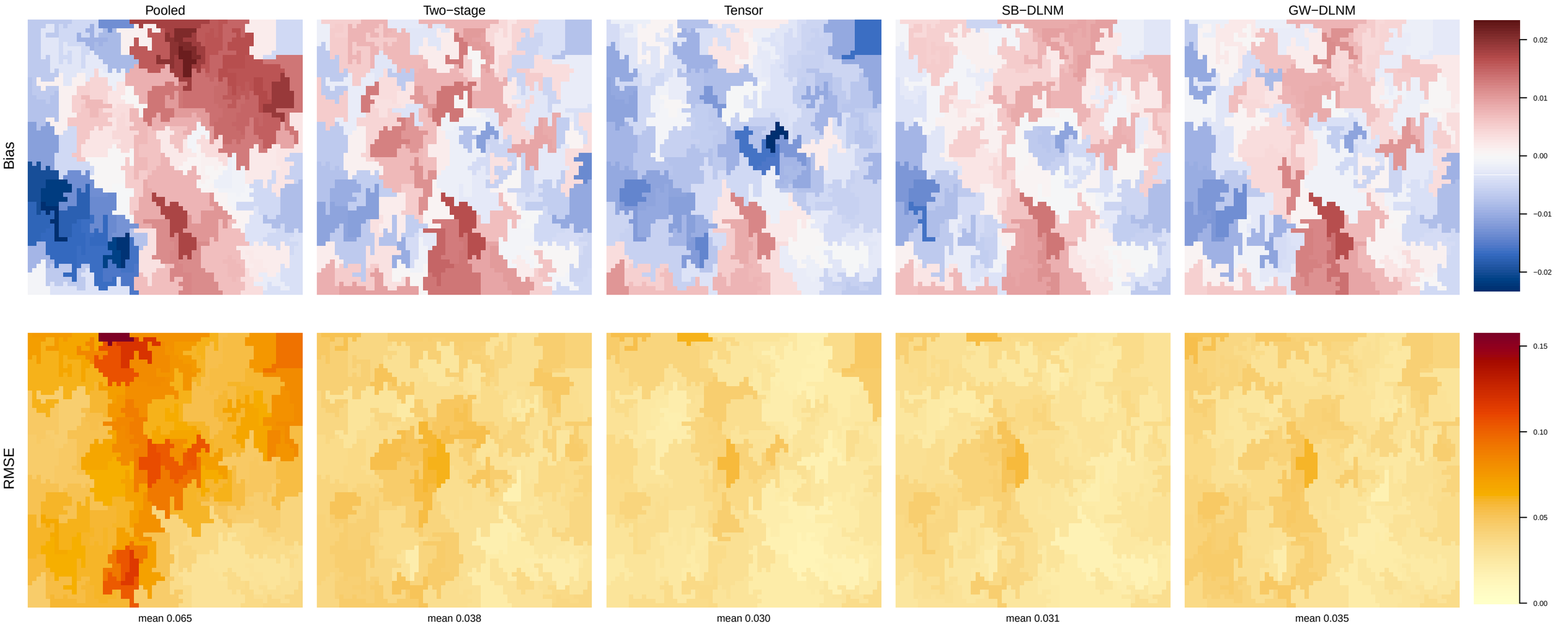
Scenario 981: square region, 120 counties, mild inequality, boundary pattern, spread 0.50, edges gradient, J exposure−response, event rate 2, RR 1.4, short lag



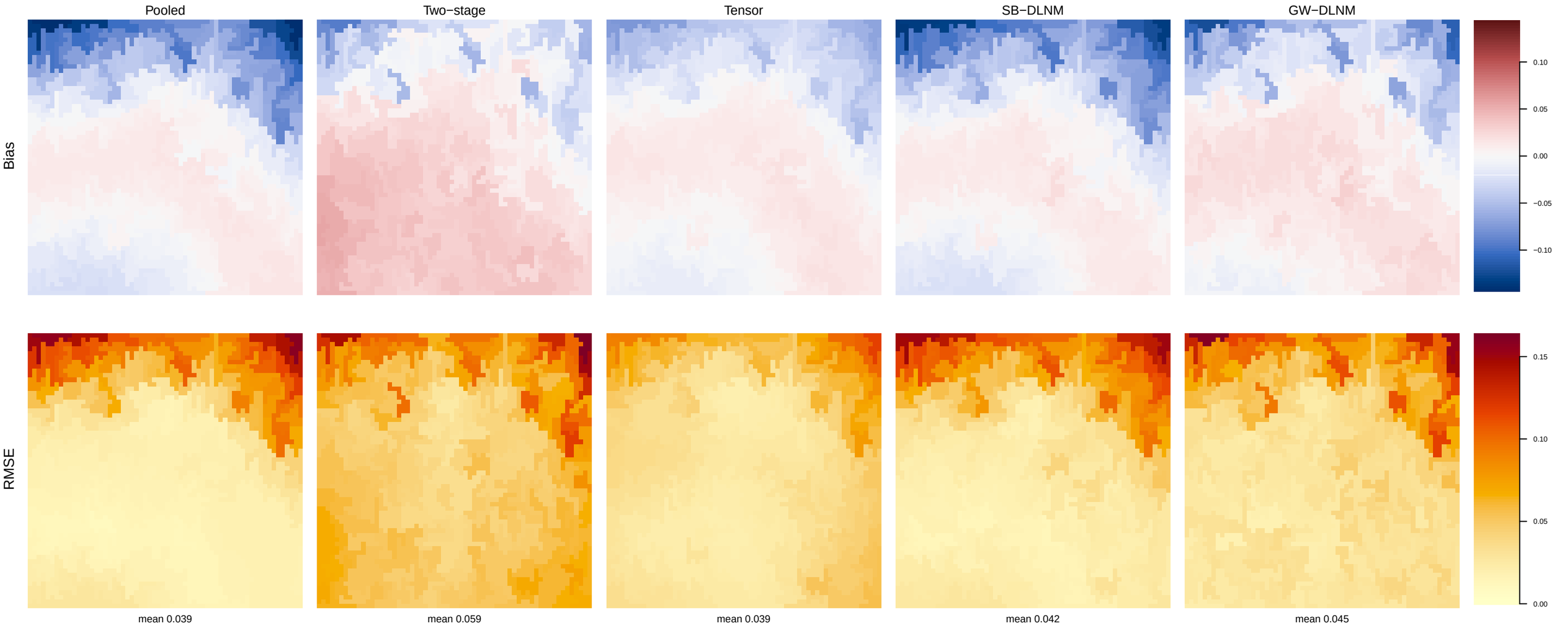
Scenario 789: square region, 120 counties, mild inequality, independent pattern, spread 0.50, NS gradient, J exposure−response, event rate 0.5, RR 1.0, harvest lag



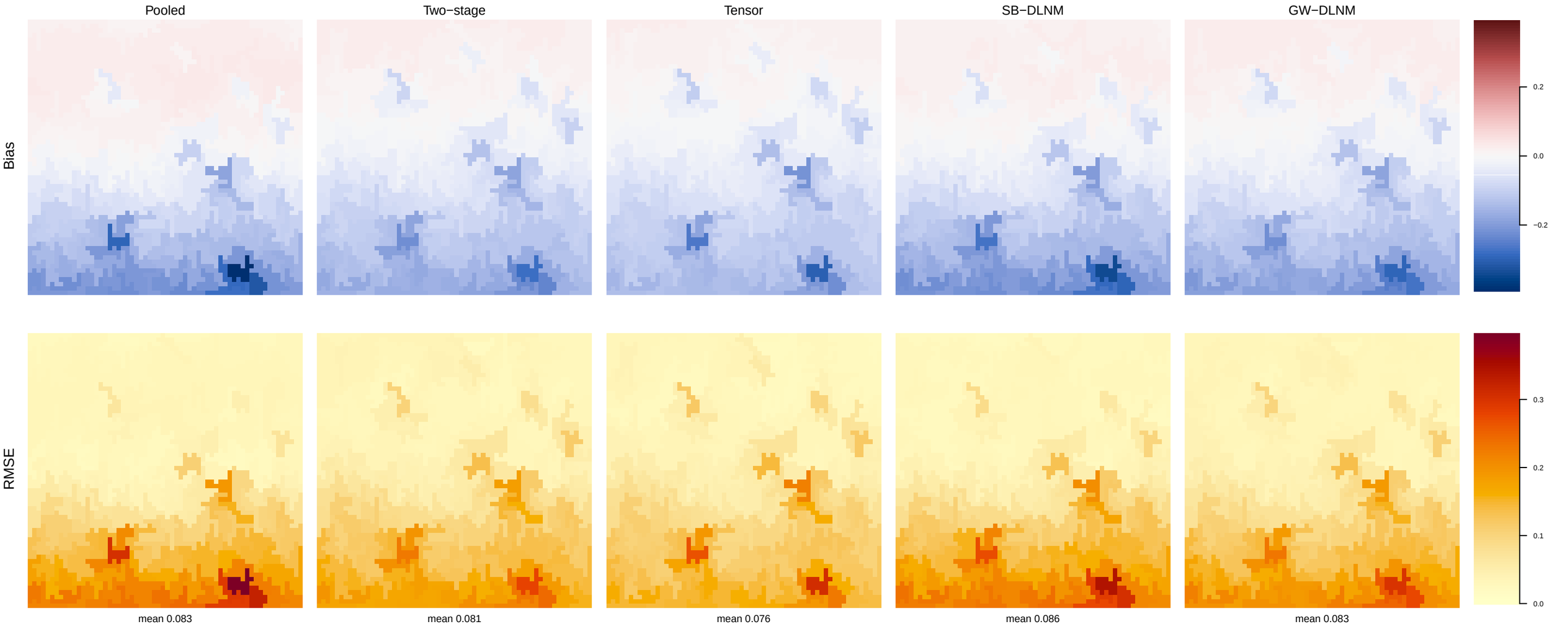
Scenario 853: square region, 120 counties, mild inequality, local pattern, spread 0.50, ridge gradient, J exposure−response, event rate 0.125, RR 1.6, delayed lag



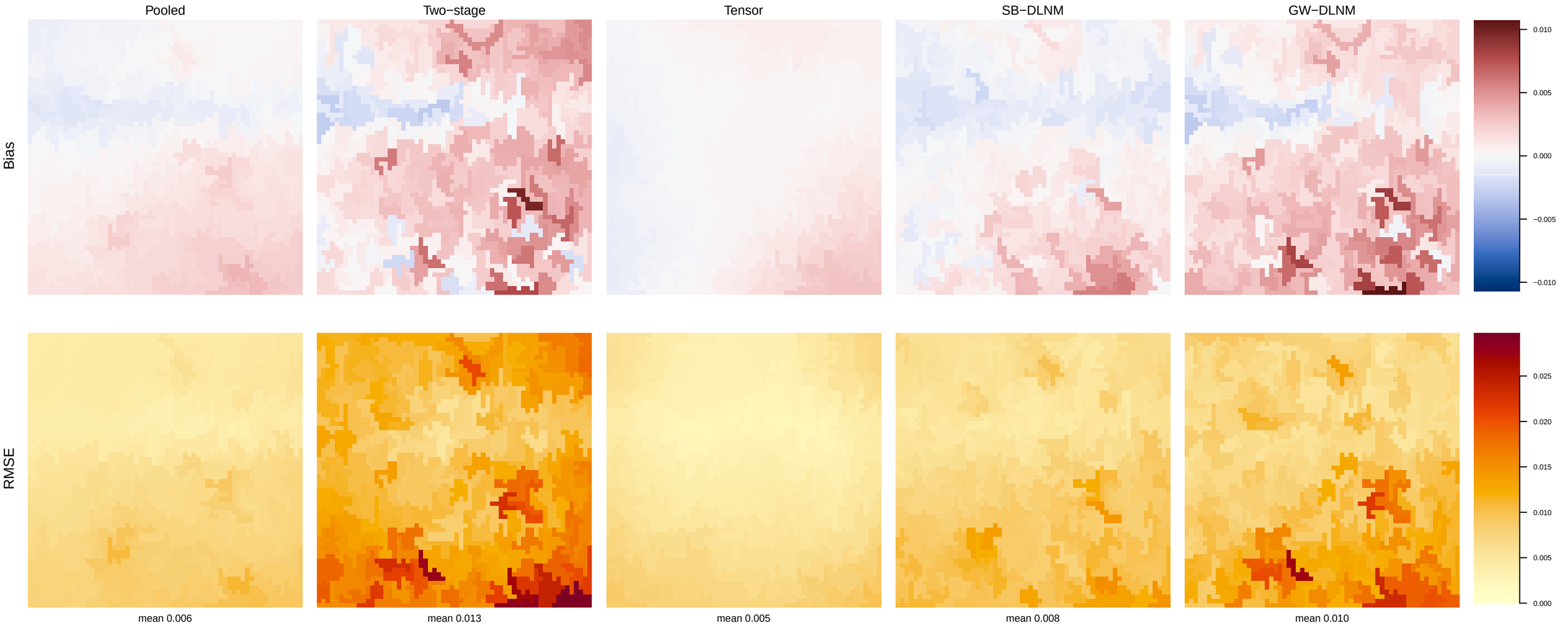
Scenario 917: square region, 120 counties, mild inequality, regional pattern, spread 0.50, valley gradient, J exposure−response, event rate 8, RR 1.2, decay lag



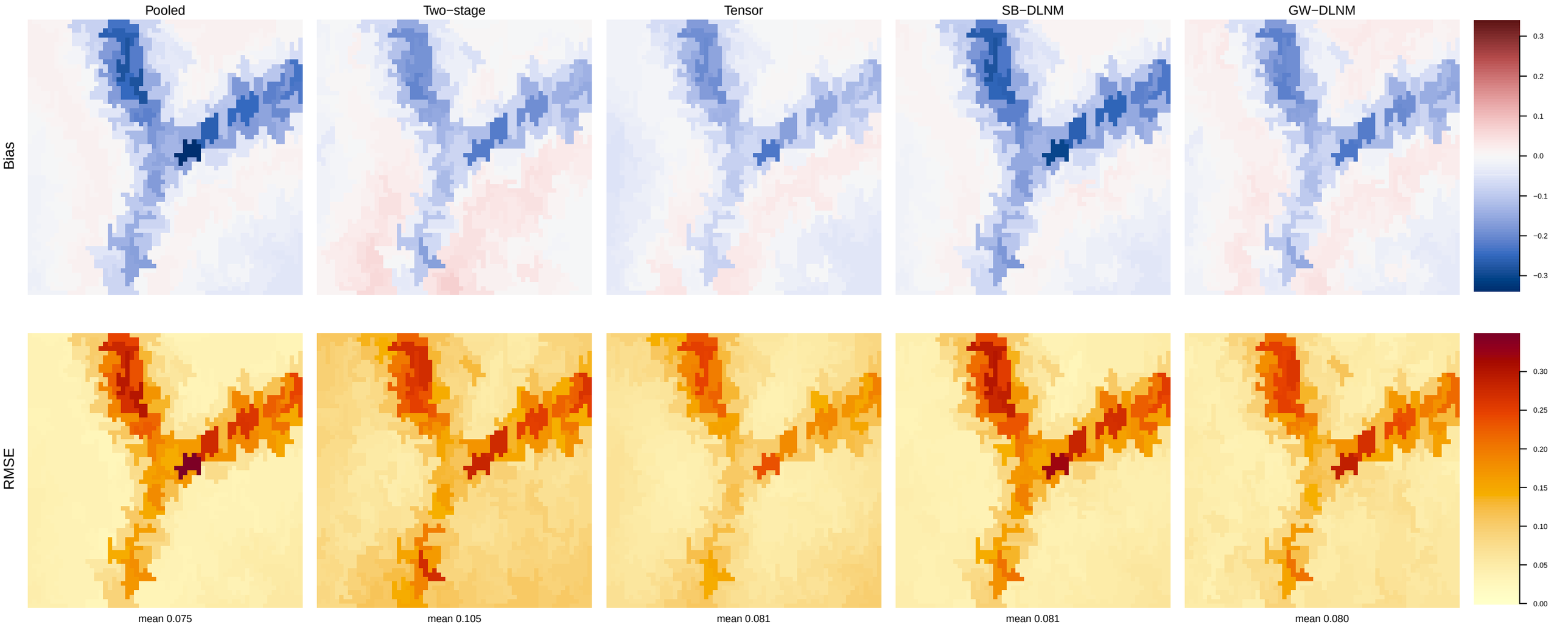
Scenario 73: square region, 240 counties, equal inequality, local pattern, spread 0.00, edges gradient, unimodal exposure−response, event rate 0.5, RR 1.2, decay lag



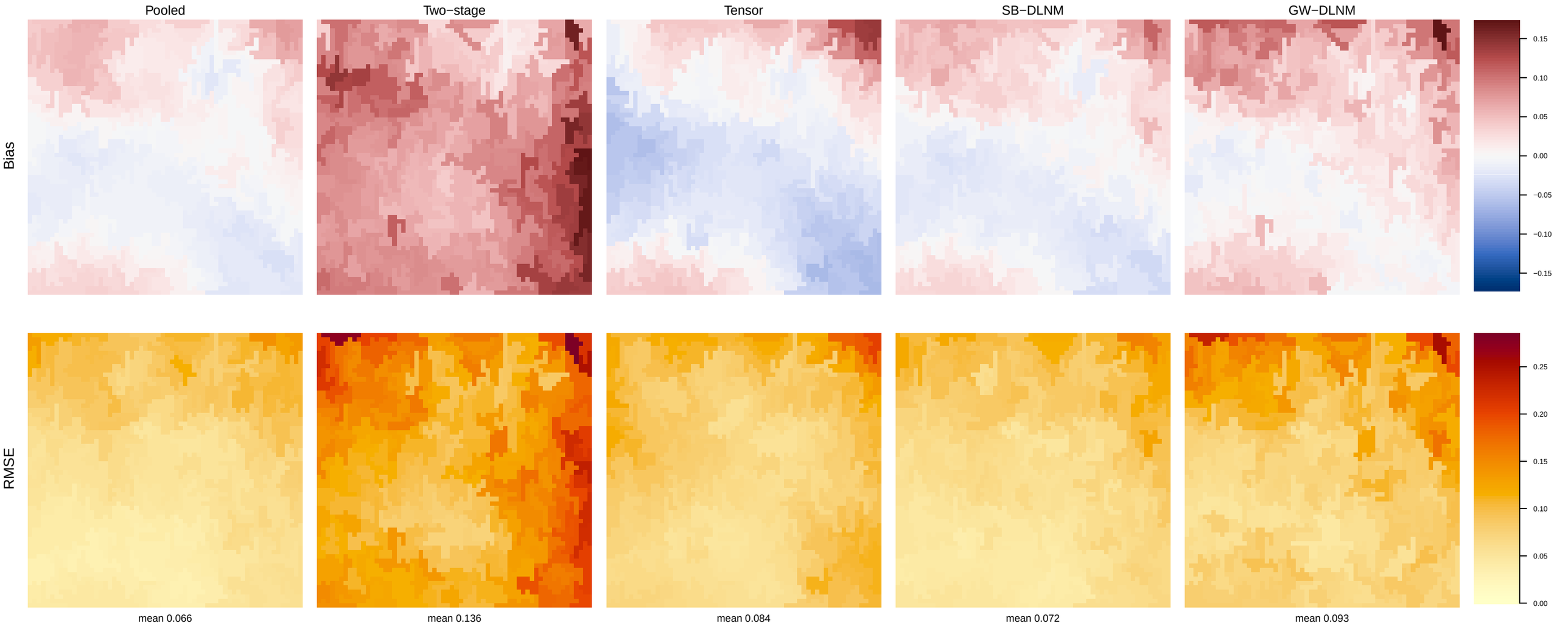
Scenario 137: square region, 240 counties, equal inequality, regional pattern, spread 0.00, NS gradient, unimodal exposure−response, event rate 2, RR 1.6, delayed lag



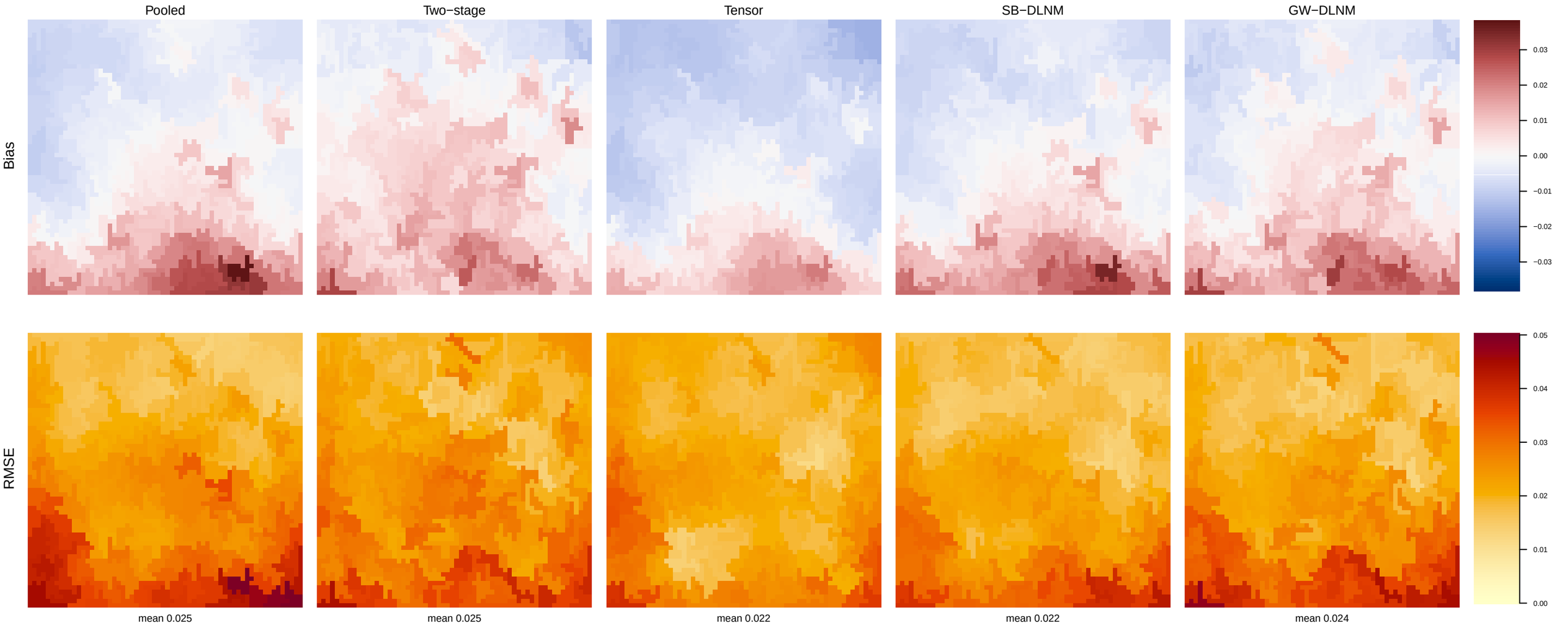
Scenario 201: square region, 240 counties, equal inequality, boundary pattern, spread 0.00, ridge gradient, unimodal exposure−response, event rate 8, RR 1.0, harvest lag



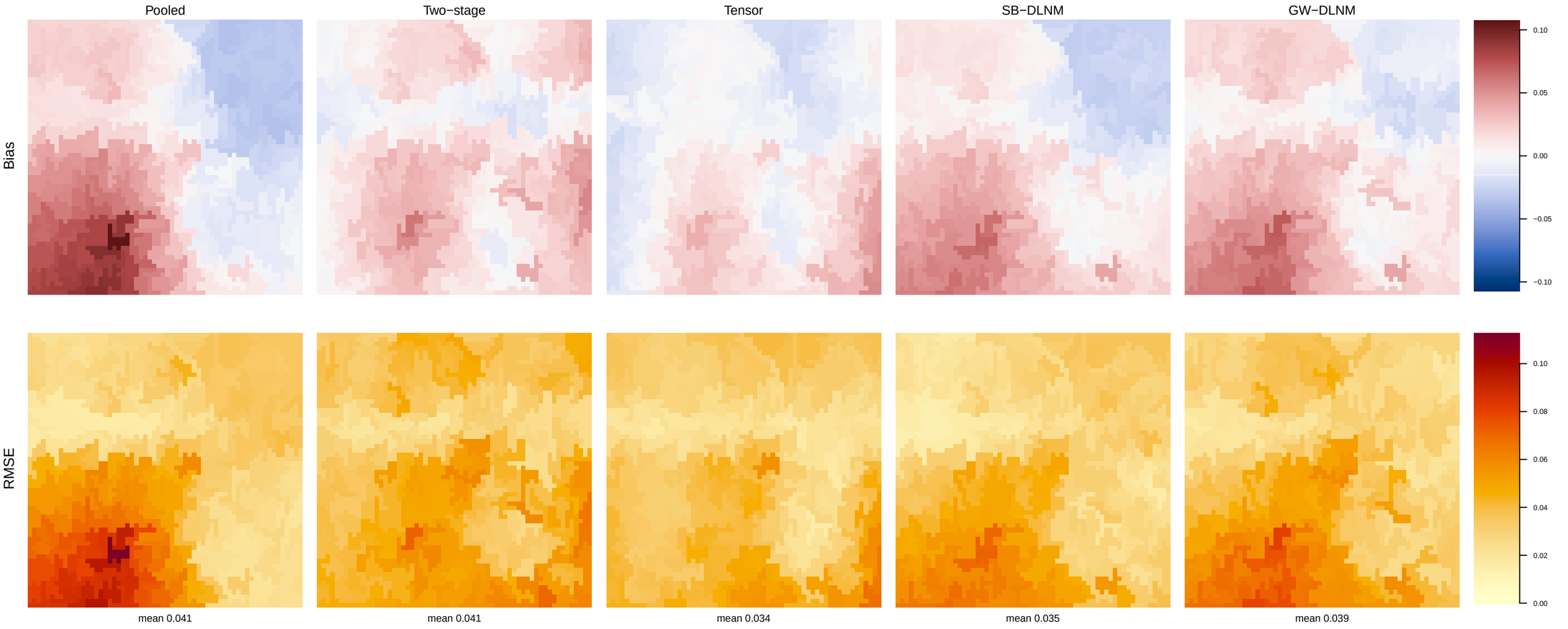
Scenario 9: square region, 240 counties, equal inequality, independent pattern, spread 0.00, valley gradient, unimodal exposure−response, event rate 0.125, RR 1.4, short lag



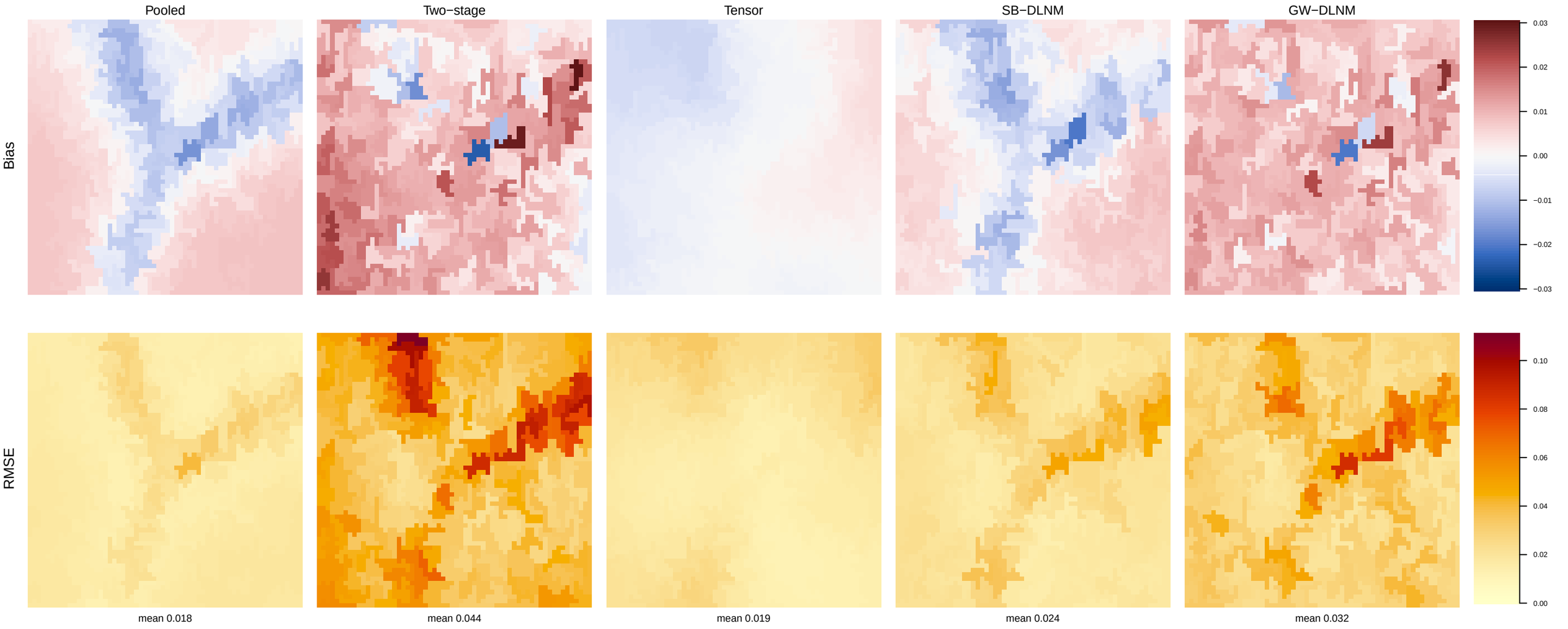
Scenario 329: square region, 240 counties, equal inequality, local pattern, spread 0.15, edges gradient, threshold exposure−response, event rate 0.125, RR 1.6, delayed lag



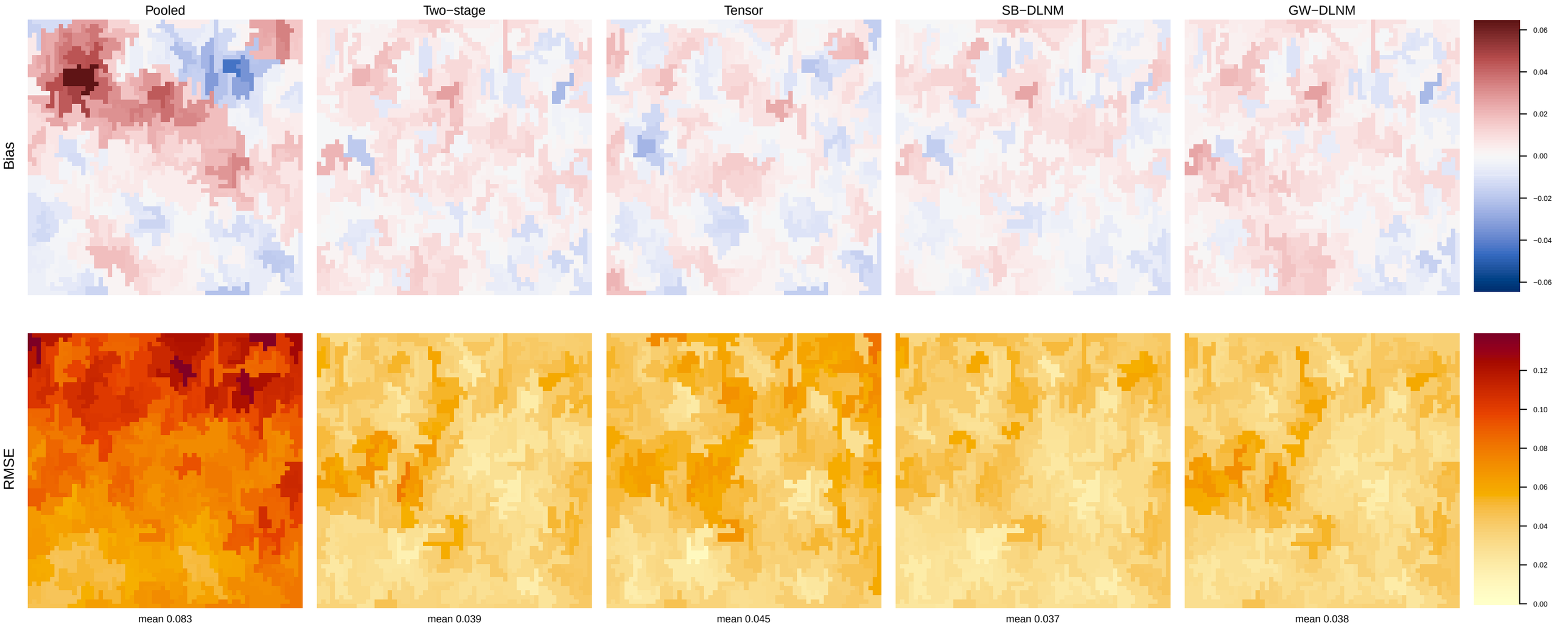
Scenario 393: square region, 240 counties, equal inequality, regional pattern, spread 0.15, NS gradient, threshold exposure−response, event rate 8, RR 1.2, decay lag



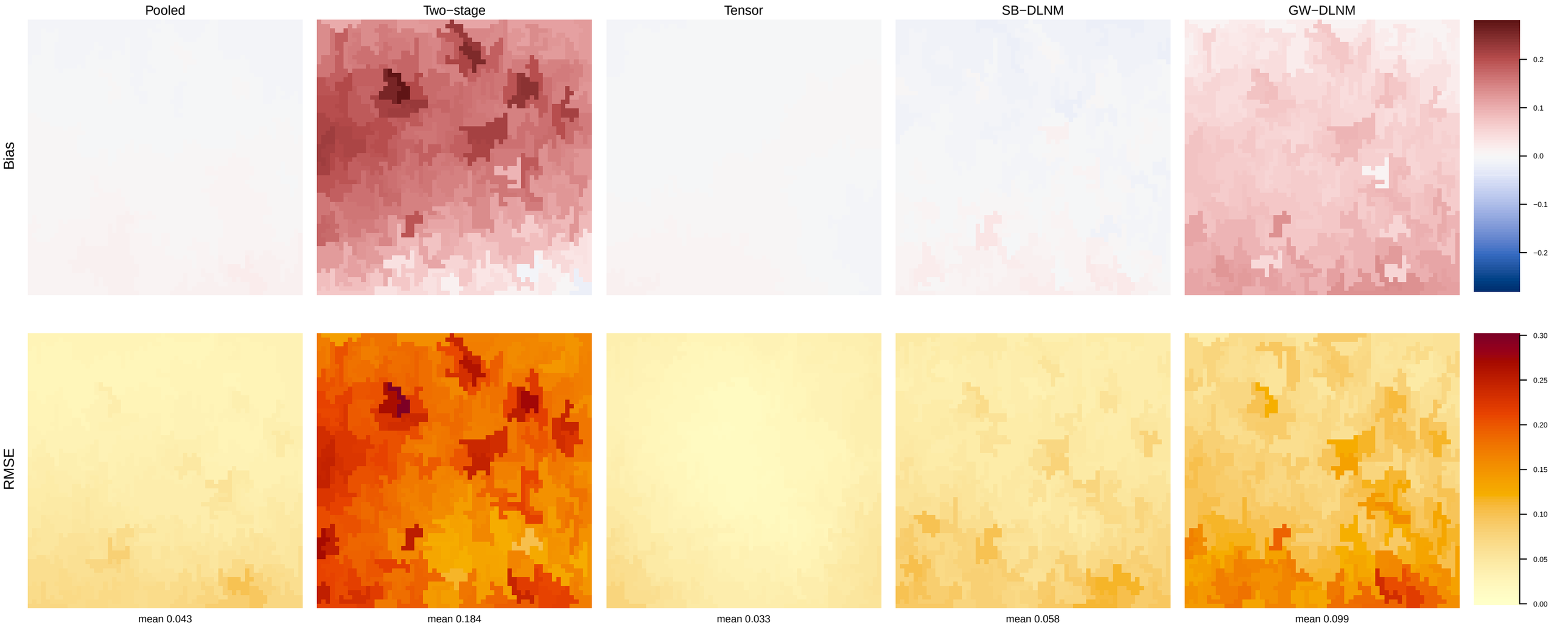
Scenario 457: square region, 240 counties, equal inequality, boundary pattern, spread 0.15, ridge gradient, threshold exposure−response, event rate 2, RR 1.4, short lag



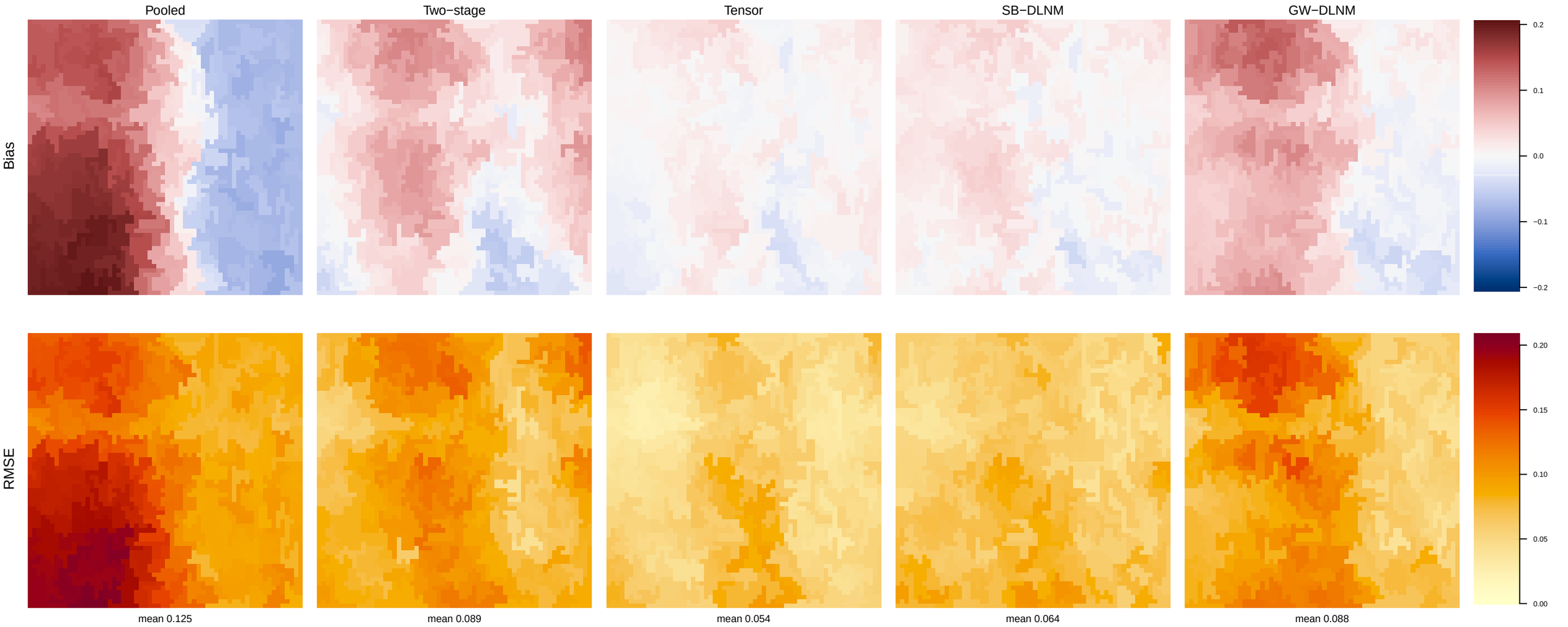
Scenario 265: square region, 240 counties, equal inequality, independent pattern, spread 0.15, valley gradient, threshold exposure−response, event rate 0.5, RR 1.0, harvest lag



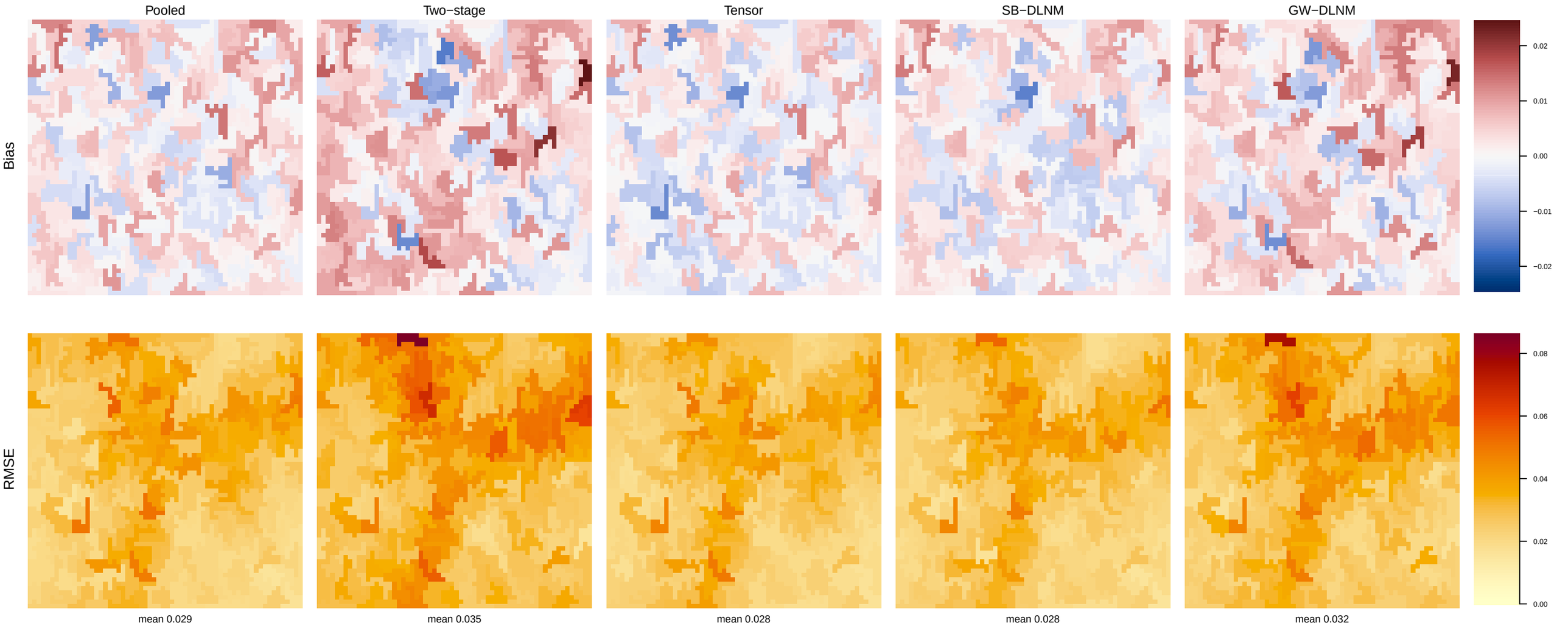
Scenario 585: square region, 240 counties, equal inequality, local pattern, spread 0.30, edges gradient, linear exposure−response, event rate 8, RR 1.4, short lag



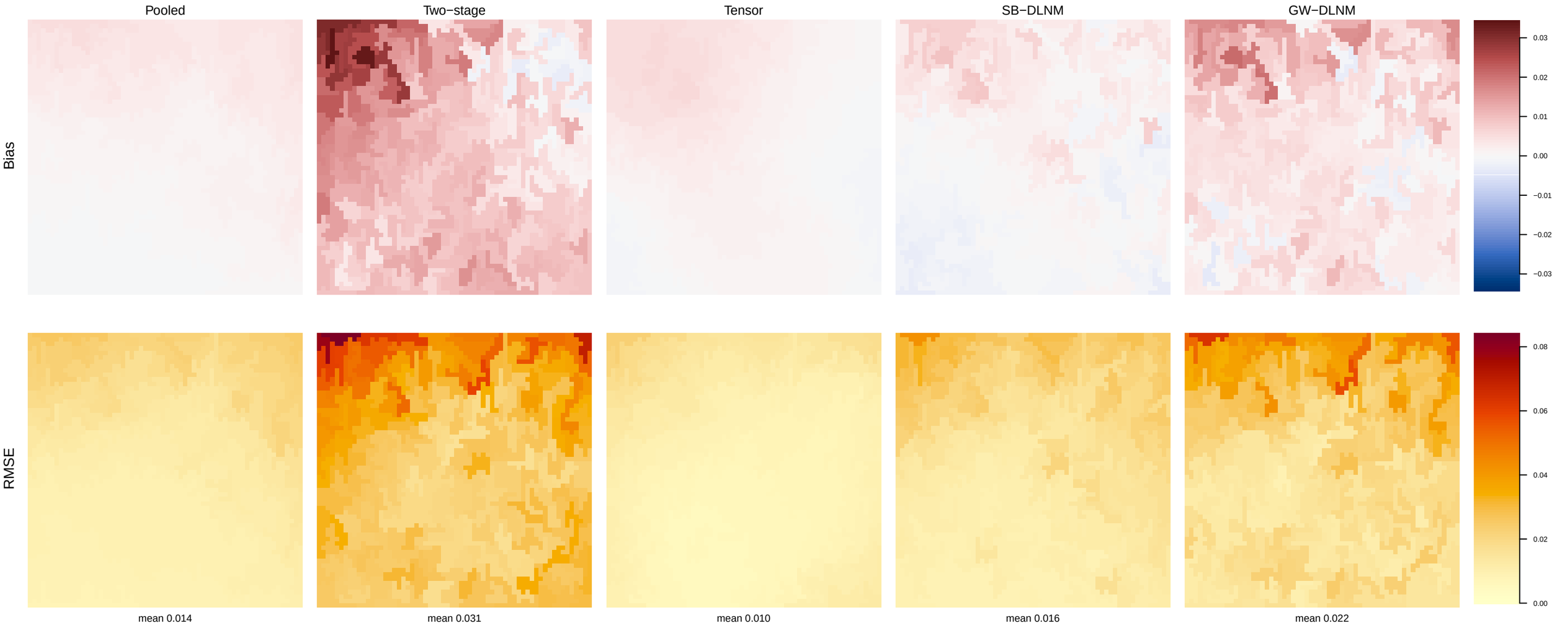
Scenario 649: square region, 240 counties, equal inequality, regional pattern, spread 0.30, NS gradient, linear exposure−response, event rate 0.125, RR 1.0, harvest lag



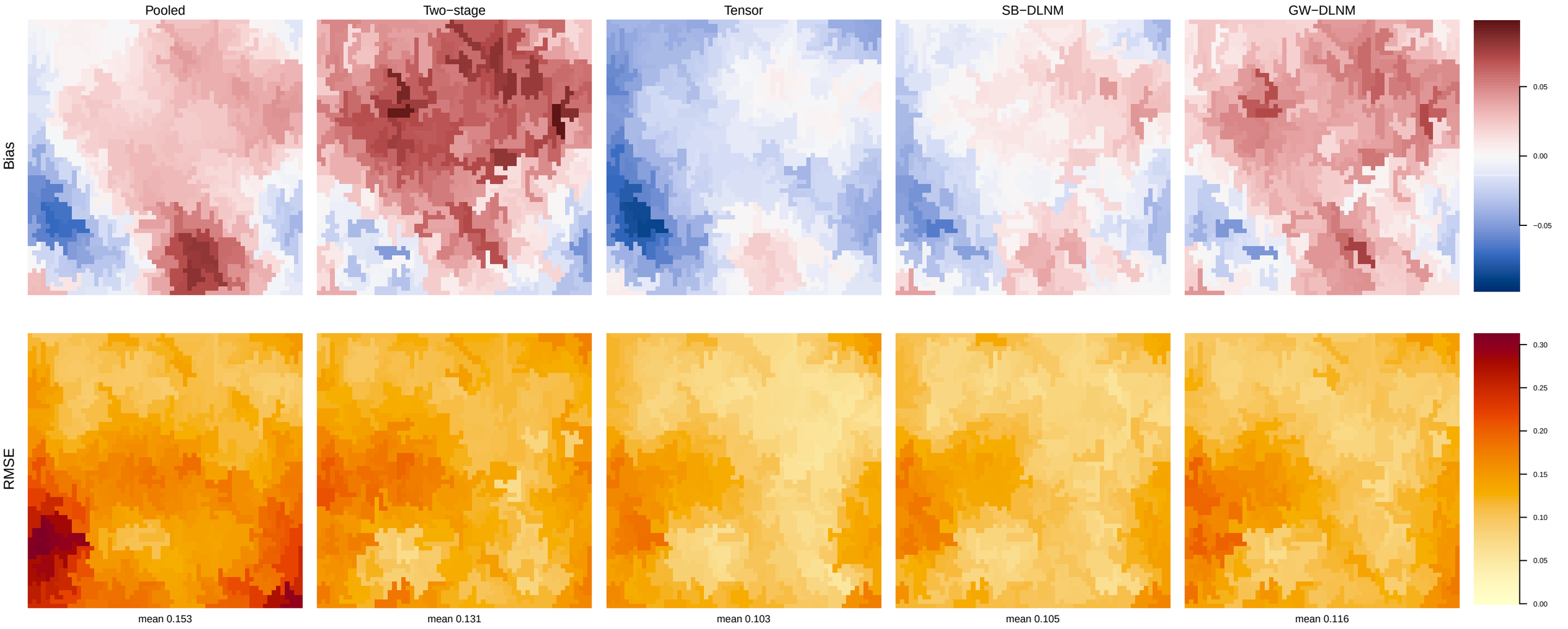
Scenario 713: square region, 240 counties, equal inequality, boundary pattern, spread 0.30, ridge gradient, linear exposure−response, event rate 0.5, RR 1.6, delayed lag



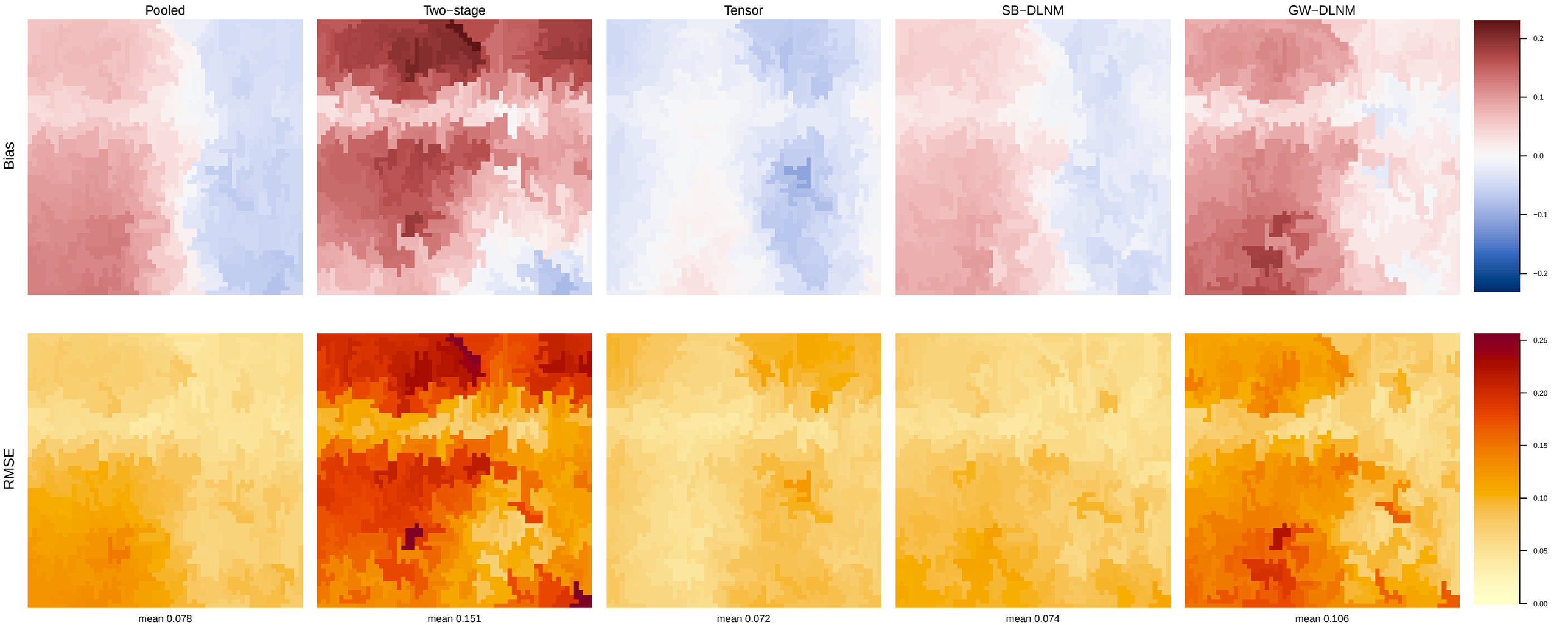
Scenario 521: square region, 240 counties, equal inequality, independent pattern, spread 0.30, valley gradient, linear exposure−response, event rate 2, RR 1.2, decay lag



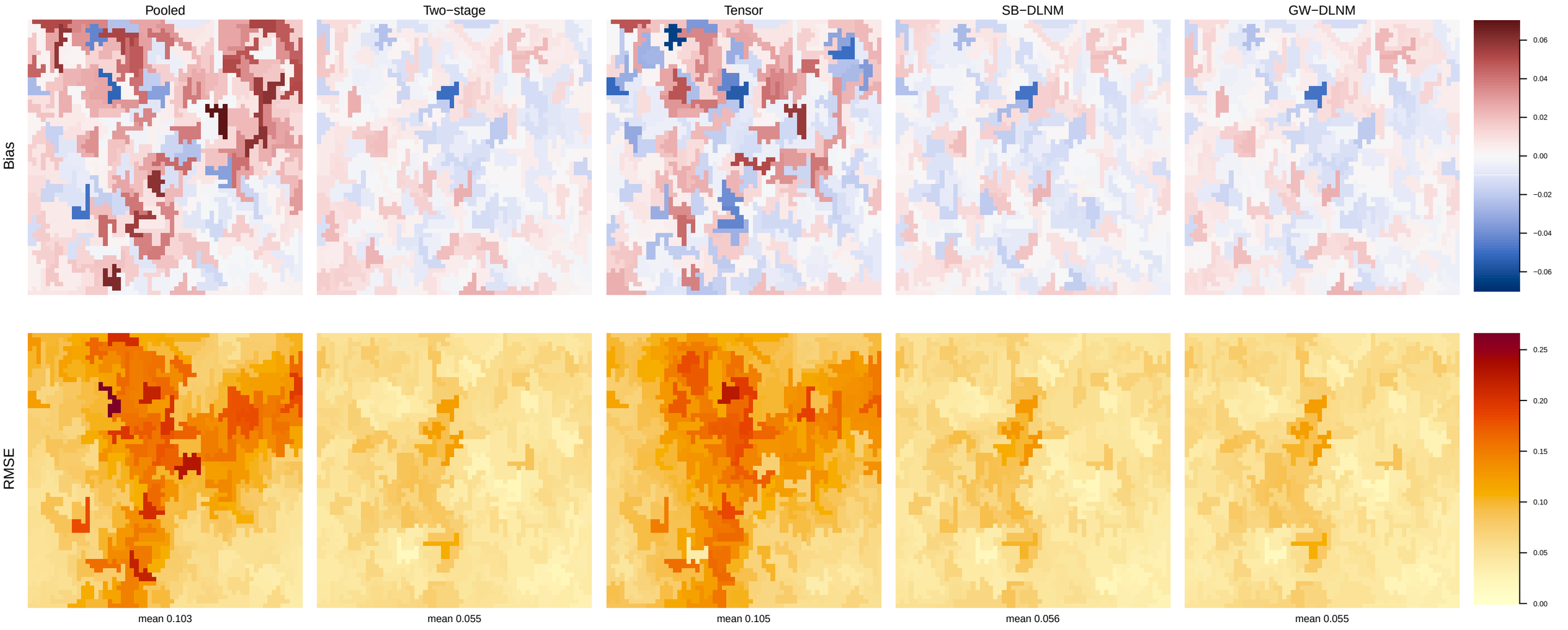
Scenario 841: square region, 240 counties, equal inequality, local pattern, spread 0.50, edges gradient, J exposure−response, event rate 2, RR 1.0, harvest lag



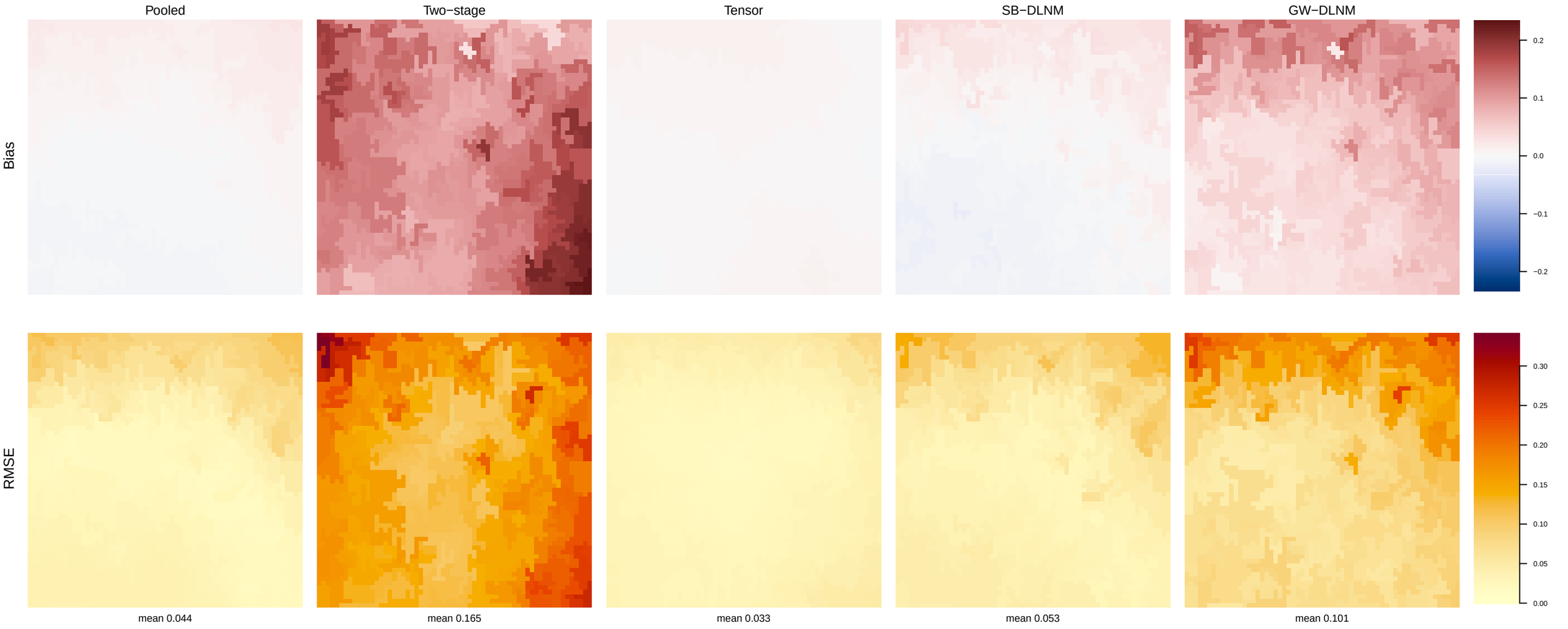
Scenario 905: square region, 240 counties, equal inequality, regional pattern, spread 0.50, NS gradient, J exposure−response, event rate 0.5, RR 1.4, short lag



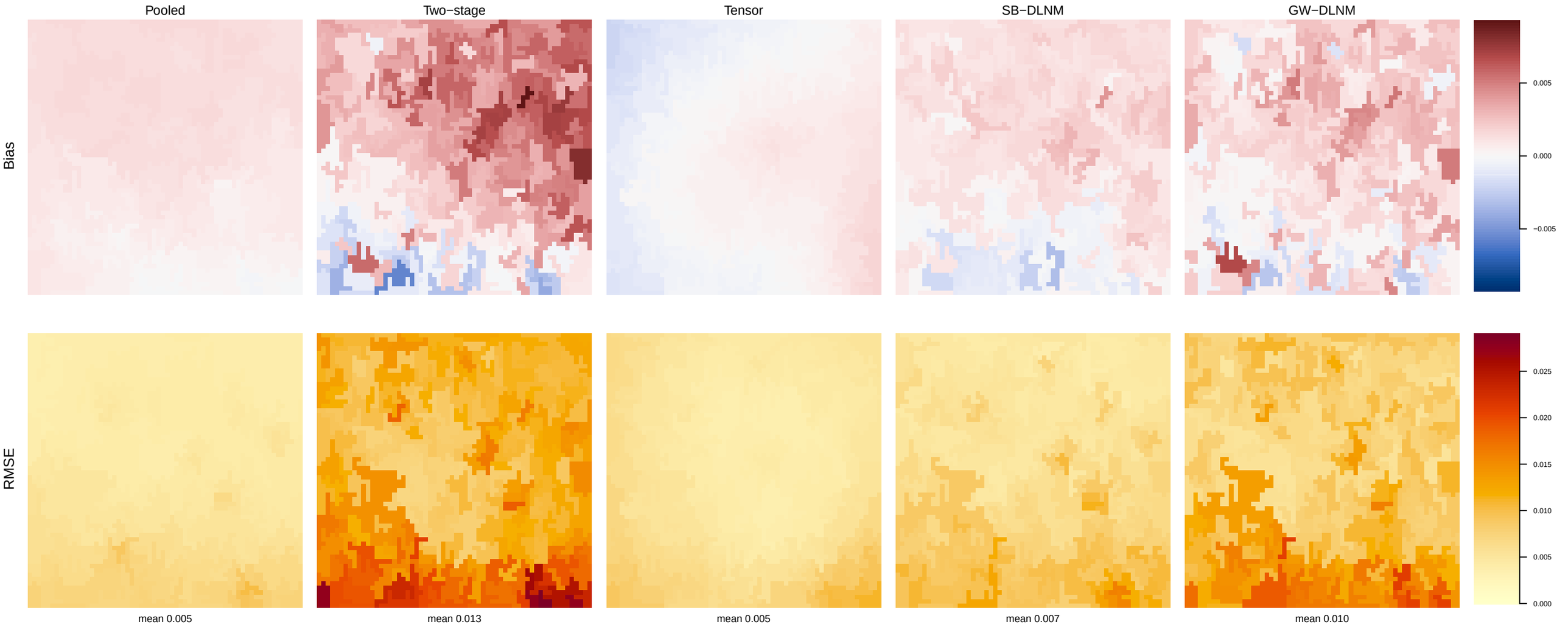
Scenario 969: square region, 240 counties, equal inequality, boundary pattern, spread 0.50, ridge gradient, J exposure−response, event rate 0.125, RR 1.2, decay lag



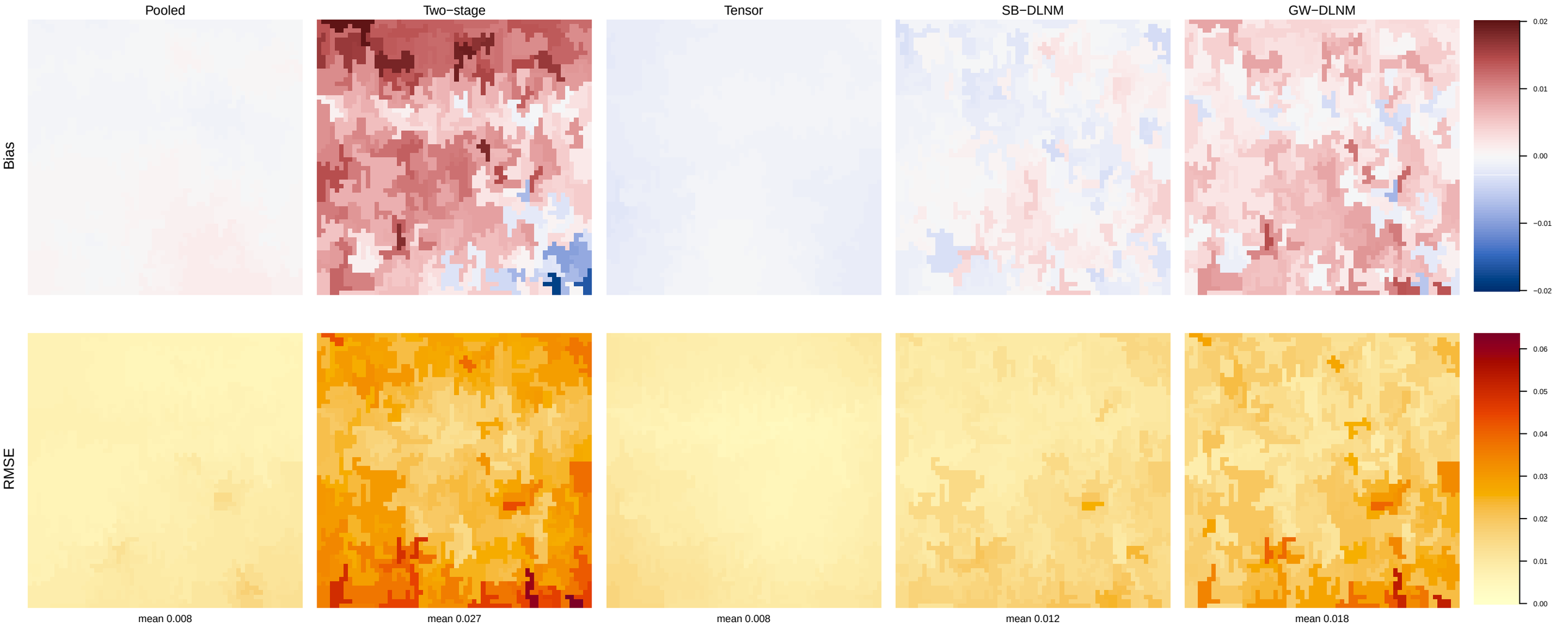
Scenario 777: square region, 240 counties, equal inequality, independent pattern, spread 0.50, valley gradient, J exposure−response, event rate 8, RR 1.6, delayed lag



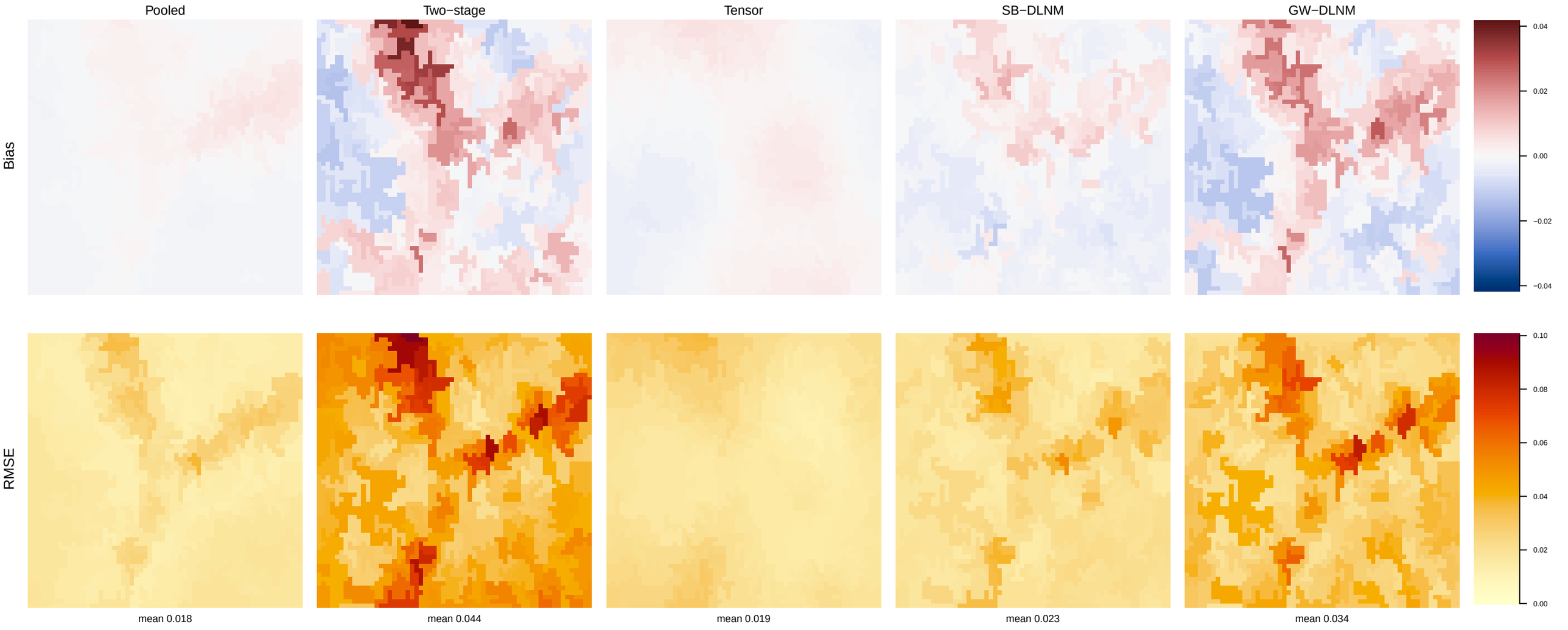
Scenario 233: square region, 240 counties, moderate inequality, boundary pattern, spread 0.00, edges gradient, linear exposure−response, event rate 0.125, RR 1.0, delayed lag



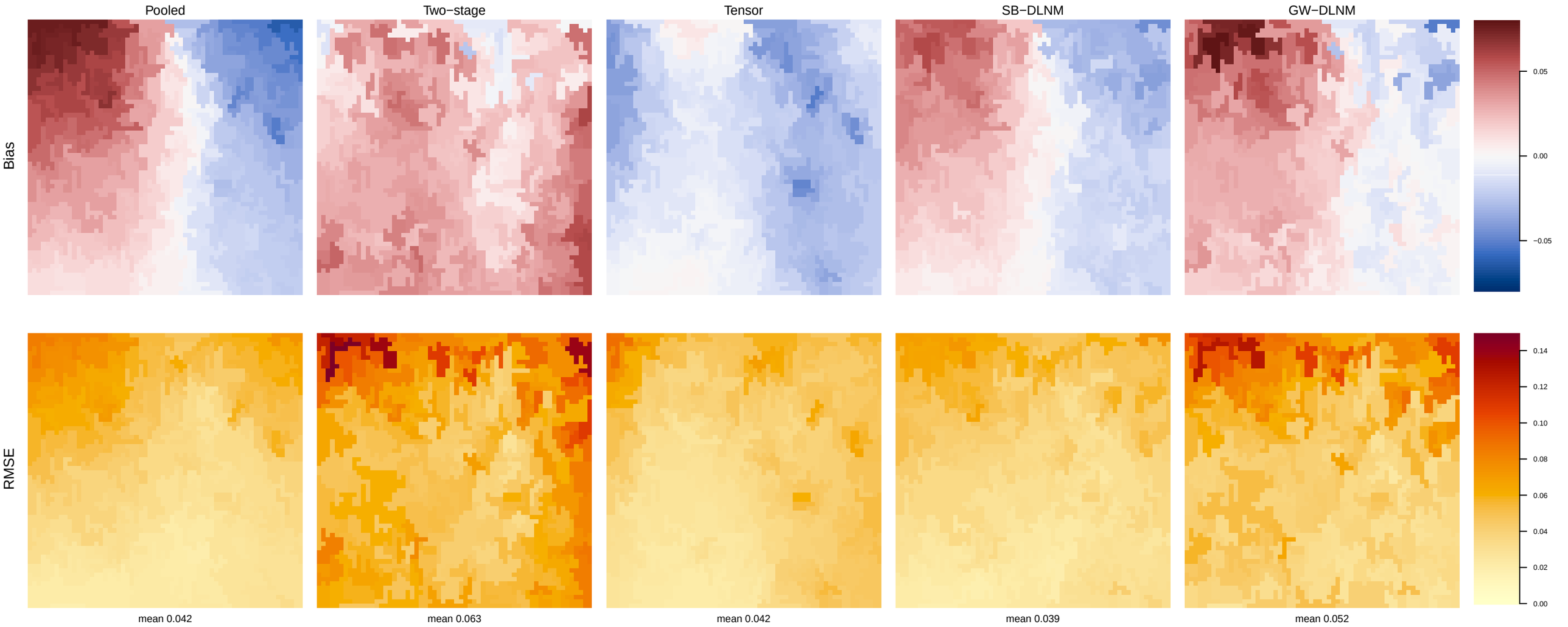
Scenario 41: square region, 240 counties, moderate inequality, independent pattern, spread 0.00, NS gradient, linear exposure−response, event rate 8, RR 1.4, decay lag



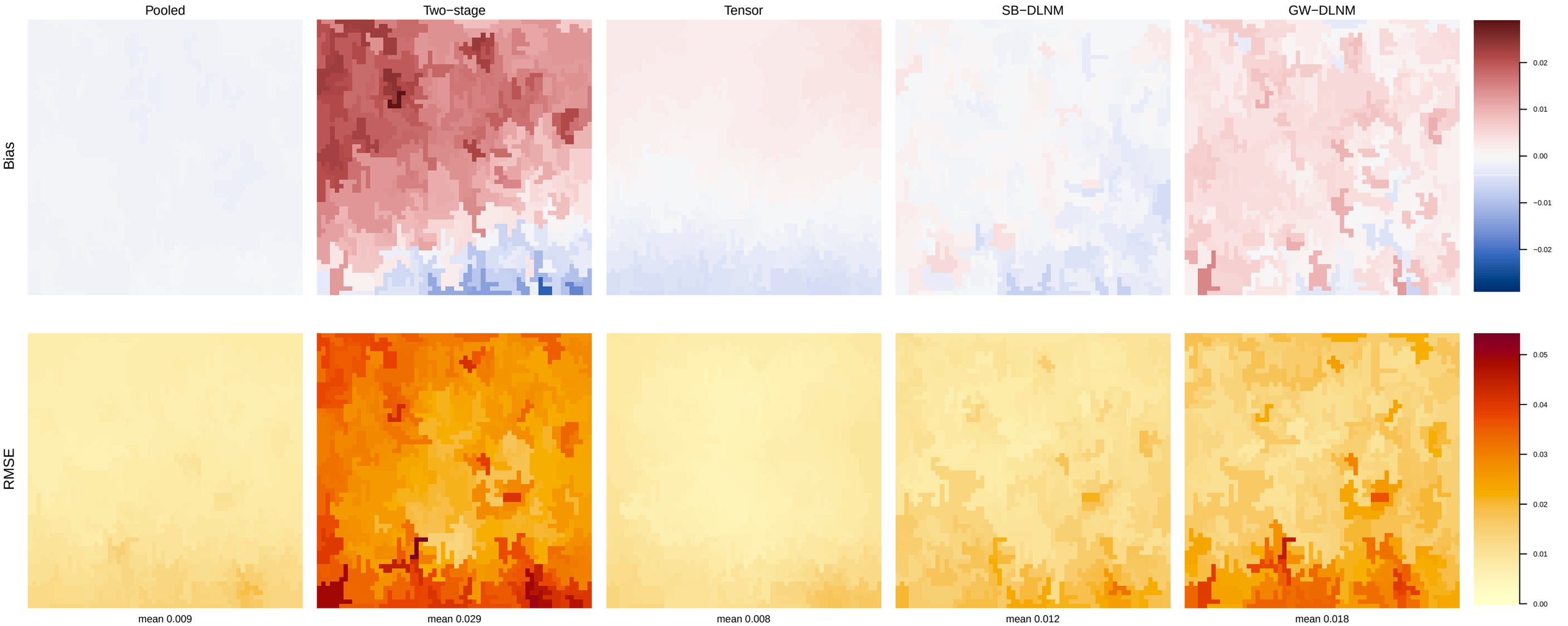
Scenario 105: square region, 240 counties, moderate inequality, local pattern, spread 0.00, ridge gradient, linear exposure−response, event rate 2, RR 1.2, short lag



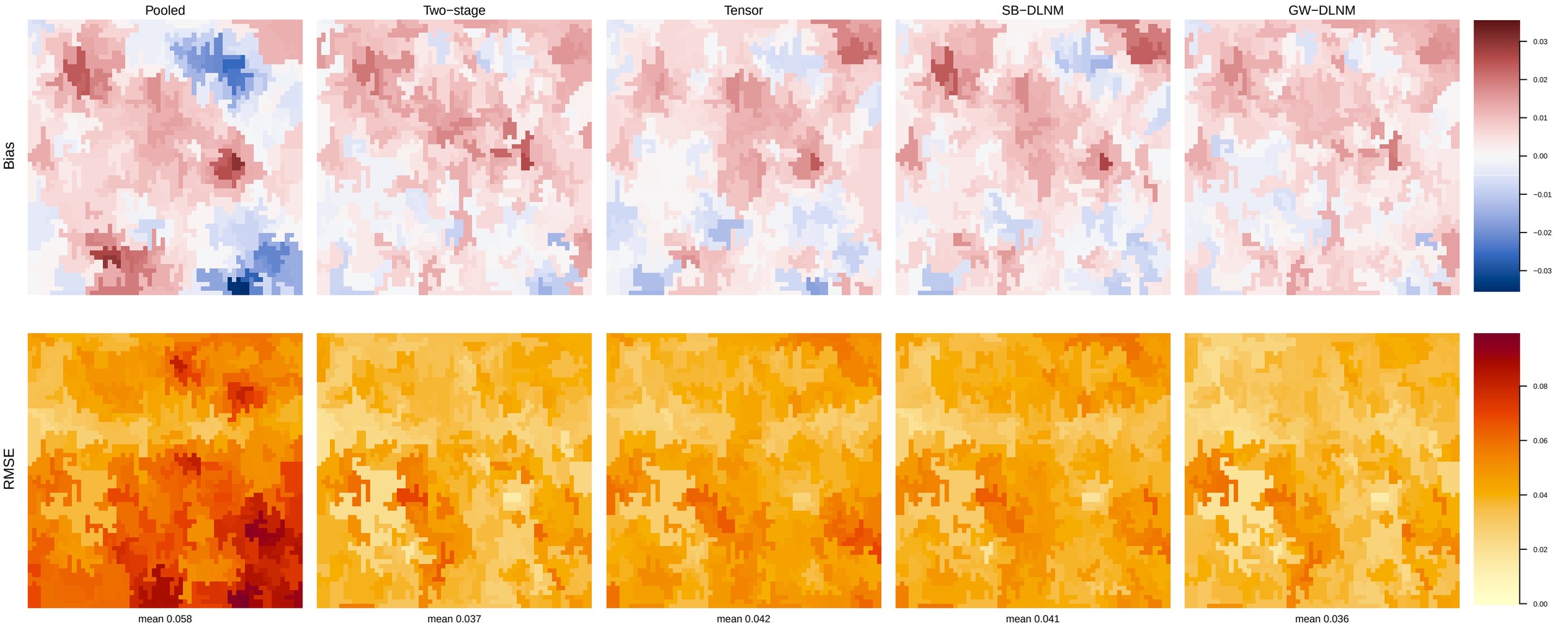
Scenario 169: square region, 240 counties, moderate inequality, regional pattern, spread 0.00, valley gradient, linear exposure−response, event rate 0.5, RR 1.6, harvest lag



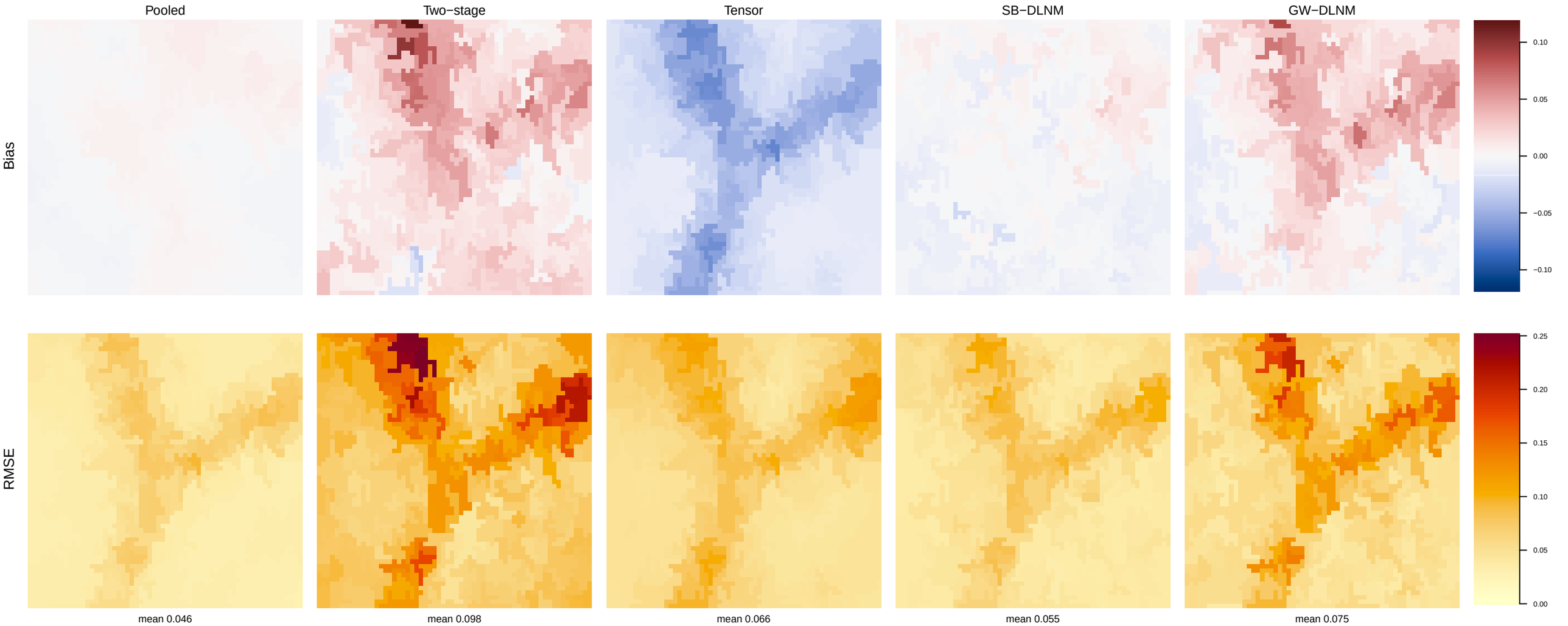
Scenario 489: square region, 240 counties, moderate inequality, boundary pattern, spread 0.15, edges gradient, J exposure−response, event rate 0.5, RR 1.4, decay lag



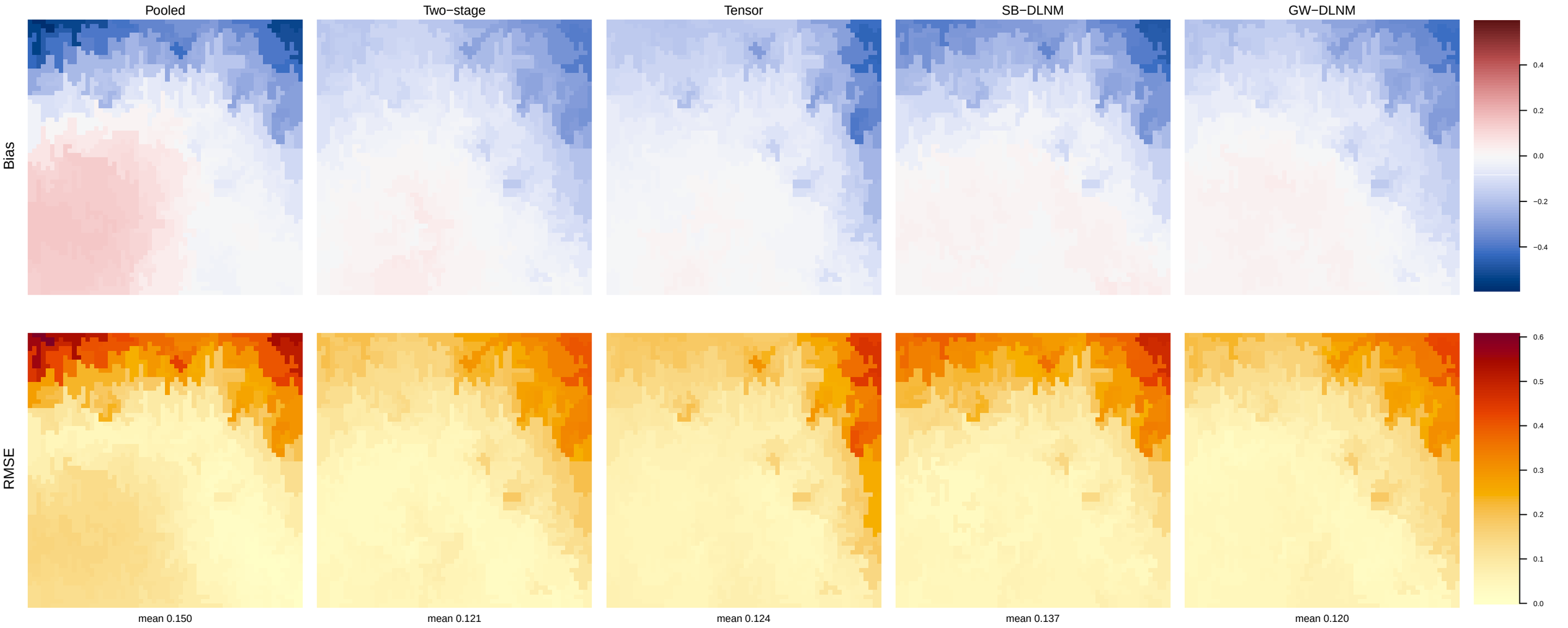
Scenario 297: square region, 240 counties, moderate inequality, independent pattern, spread 0.15, NS gradient, J exposure−response, event rate 2, RR 1.0, delayed lag



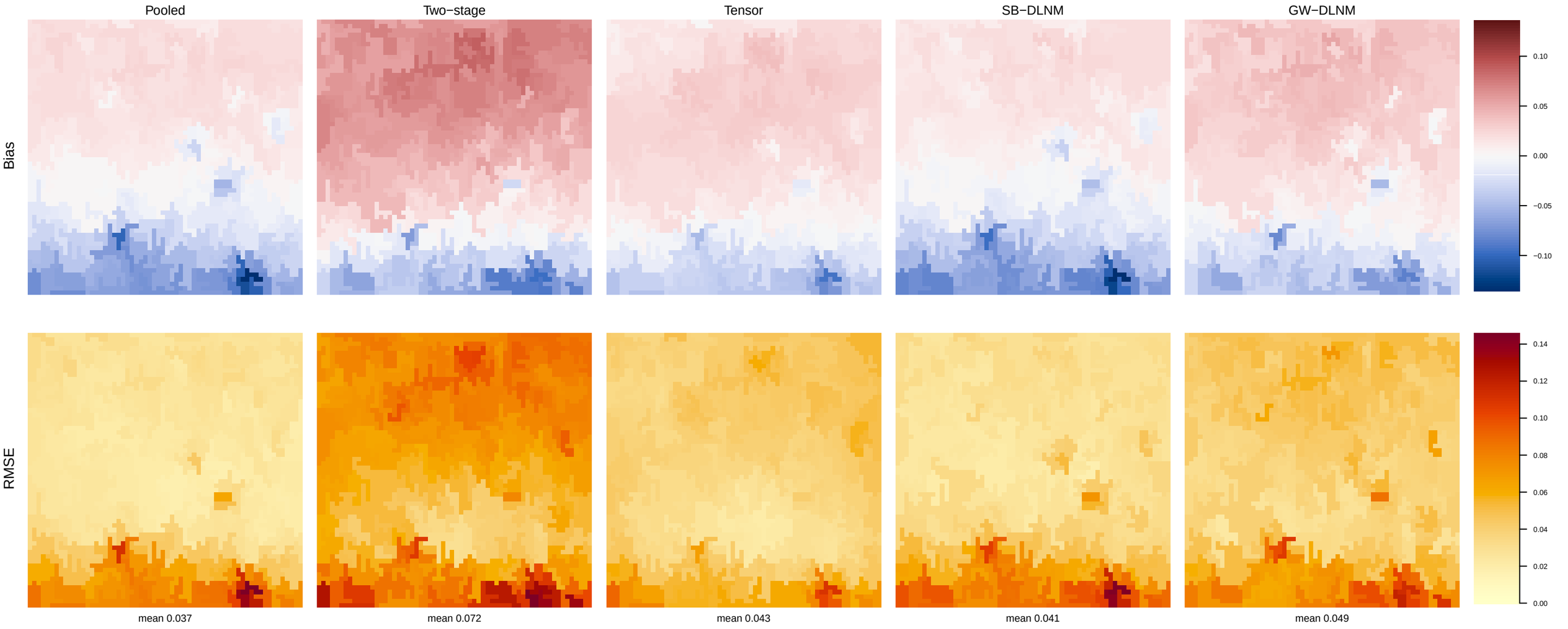
Scenario 361: square region, 240 counties, moderate inequality, local pattern, spread 0.15, ridge gradient, J exposure−response, event rate 8, RR 1.6, harvest lag



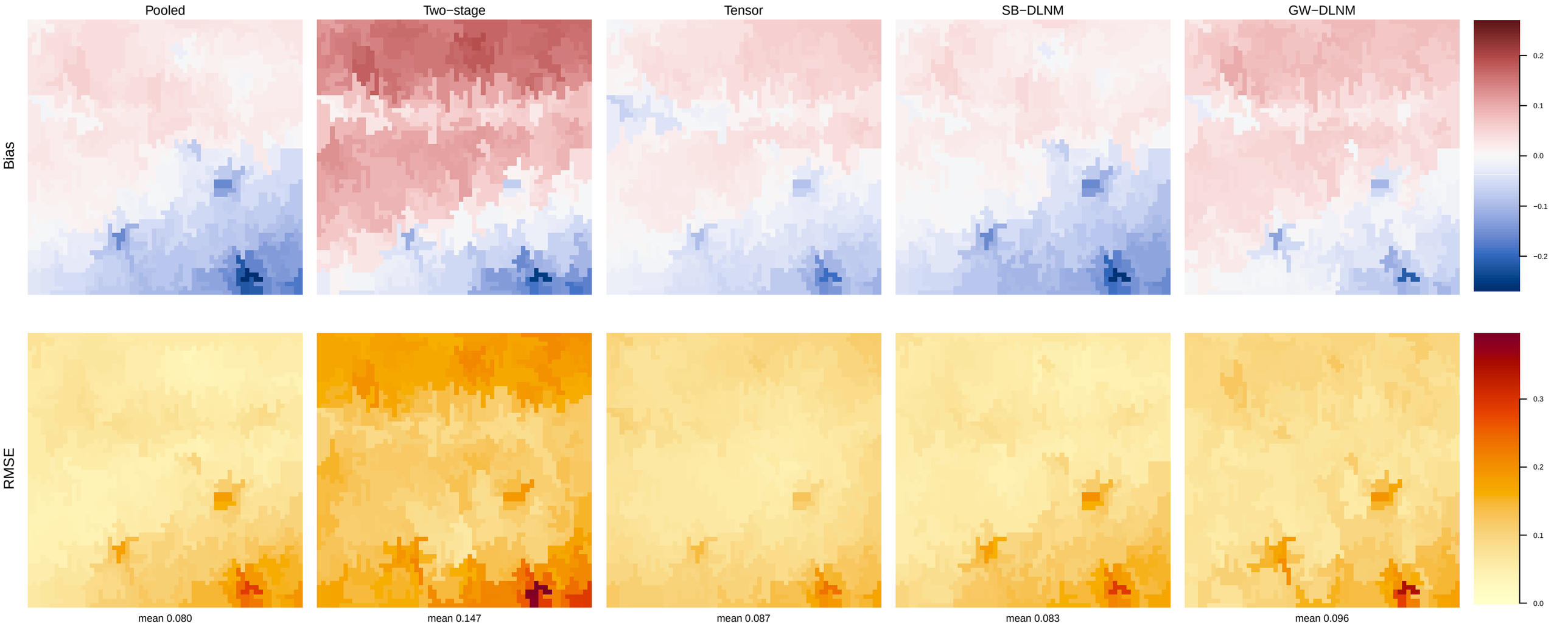
Scenario 425: square region, 240 counties, moderate inequality, regional pattern, spread 0.15, valley gradient, J exposure−response, event rate 0.125, RR 1.2, short lag



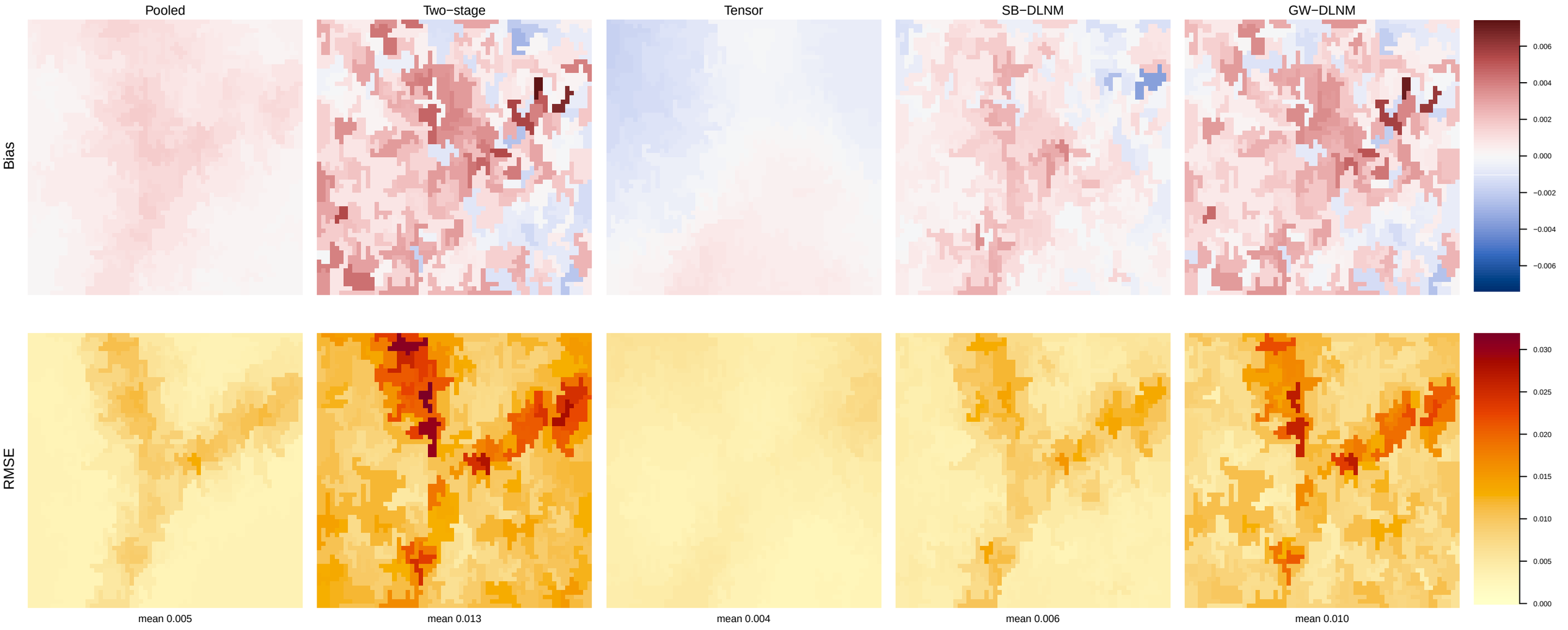
Scenario 745: square region, 240 counties, moderate inequality, boundary pattern, spread 0.30, edges gradient, unimodal exposure−response, event rate 2, RR 1.6, harvest lag



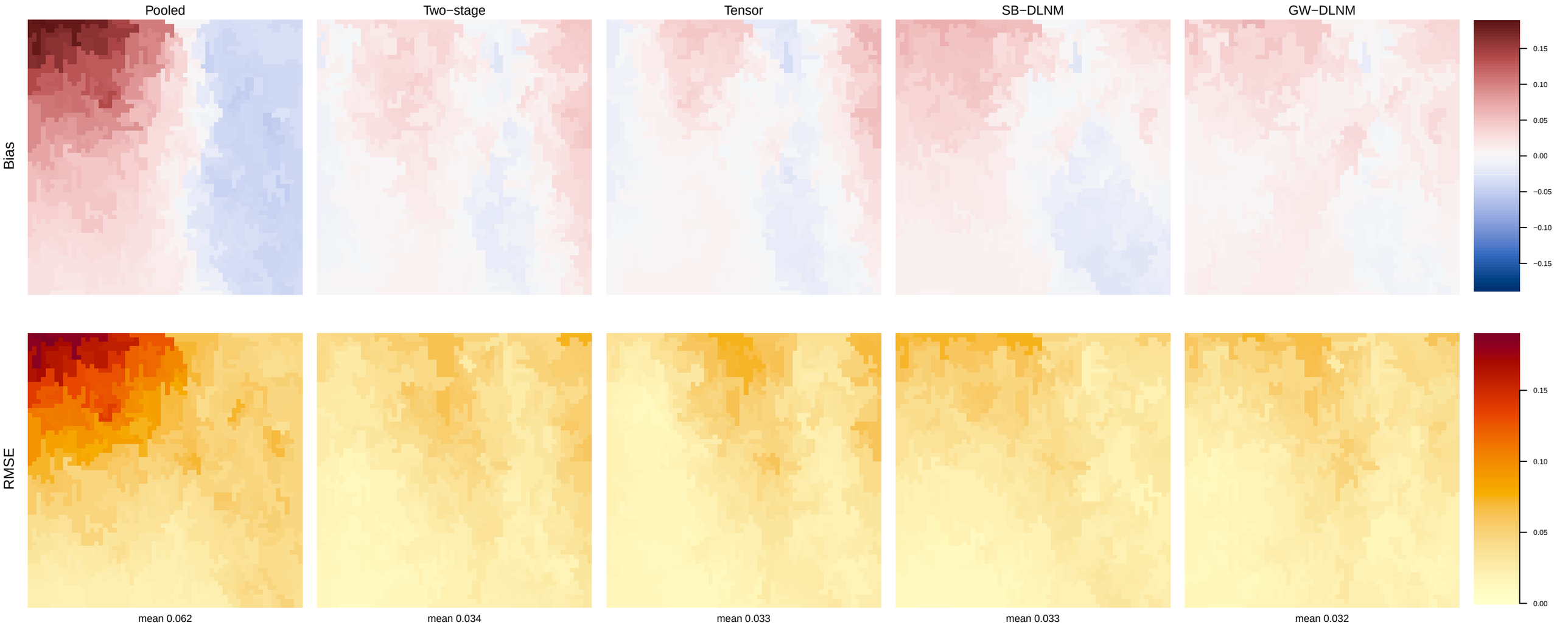
Scenario 553: square region, 240 counties, moderate inequality, independent pattern, spread 0.30, NS gradient, unimodal exposure−response, event rate 0.5, RR 1.2, short lag



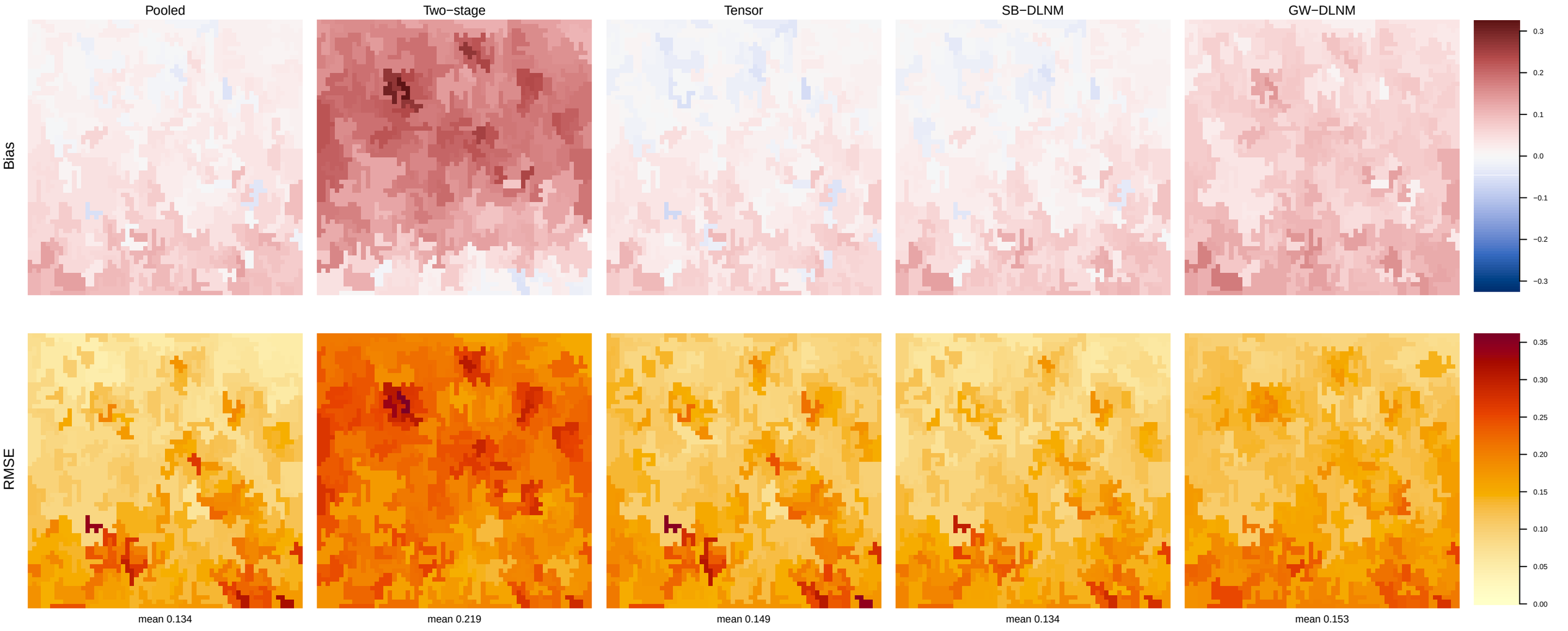
Scenario 617: square region, 240 counties, moderate inequality, local pattern, spread 0.30, ridge gradient, unimodal exposure−response, event rate 0.125, RR 1.4, decay lag



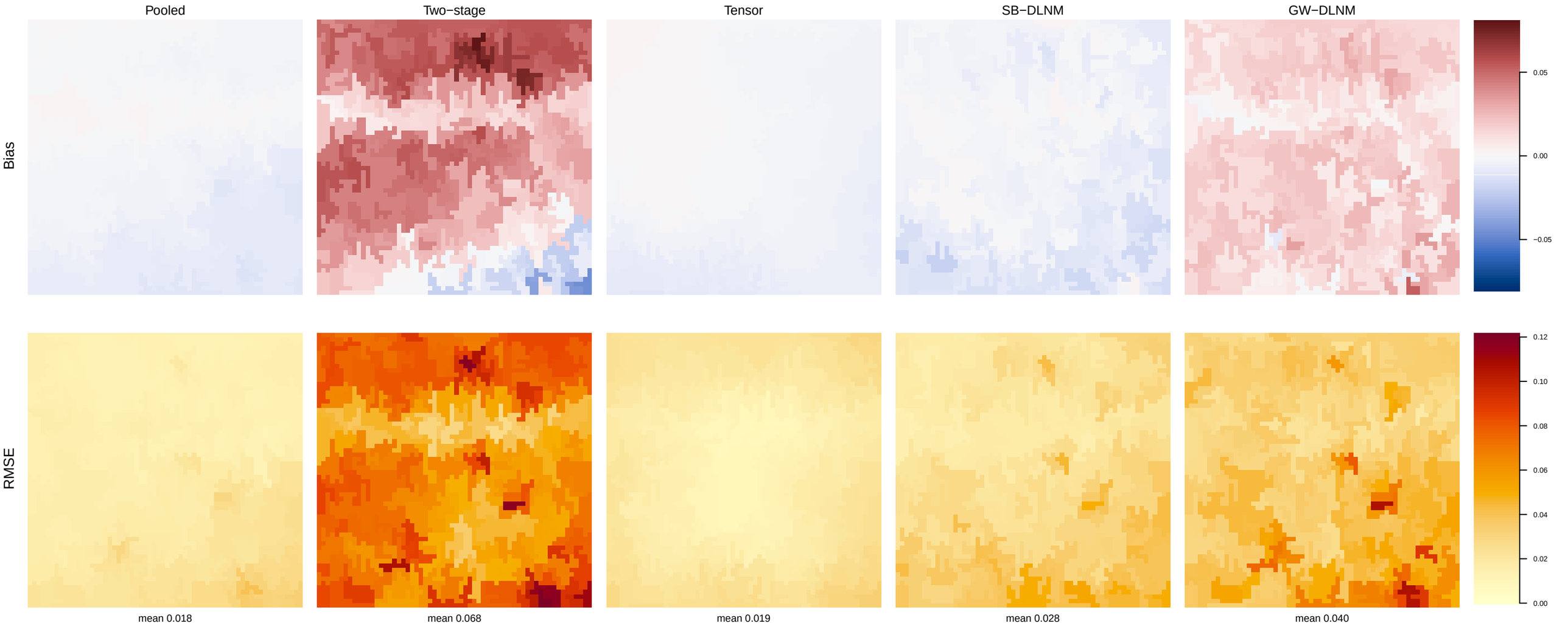
Scenario 681: square region, 240 counties, moderate inequality, regional pattern, spread 0.30, valley gradient, unimodal exposure−response, event rate 8, RR 1.0, delayed lag



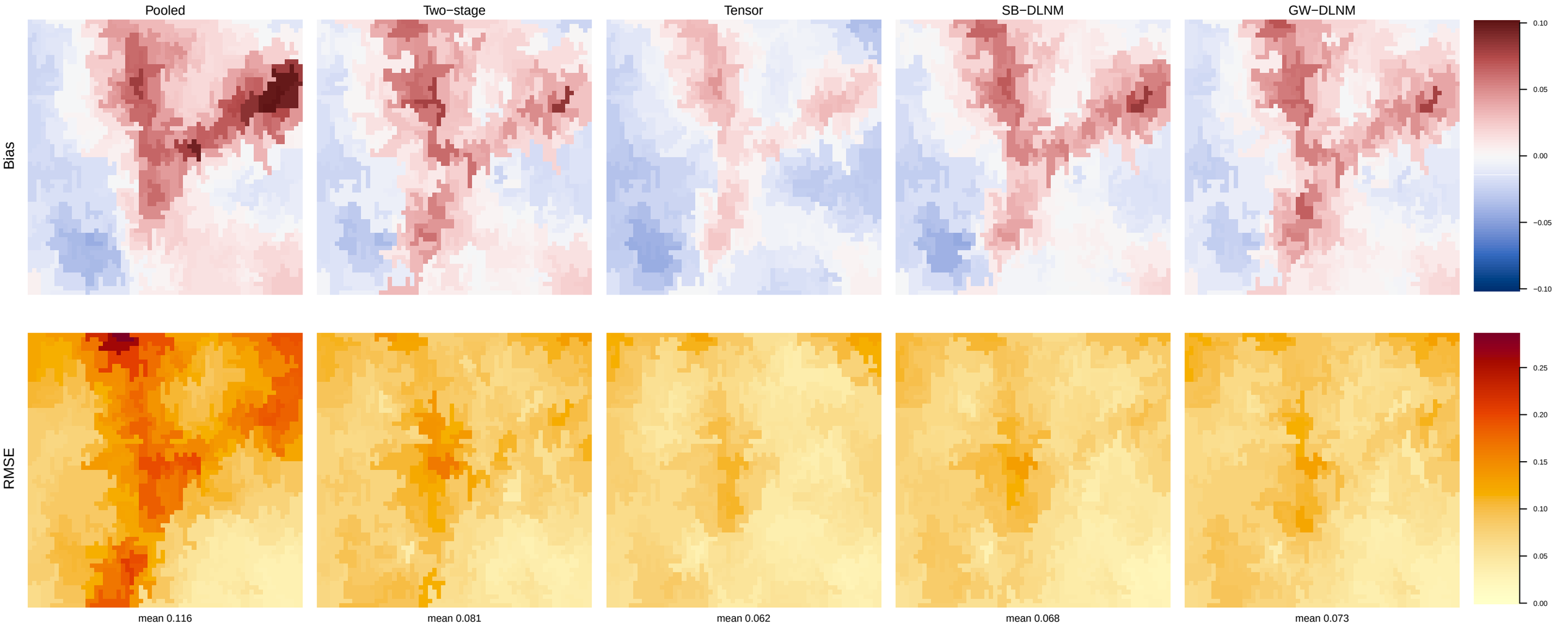
Scenario 1001: square region, 240 counties, moderate inequality, boundary pattern, spread 0.50, edges gradient, threshold exposure−response, event rate 8, RR 1.2, short lag



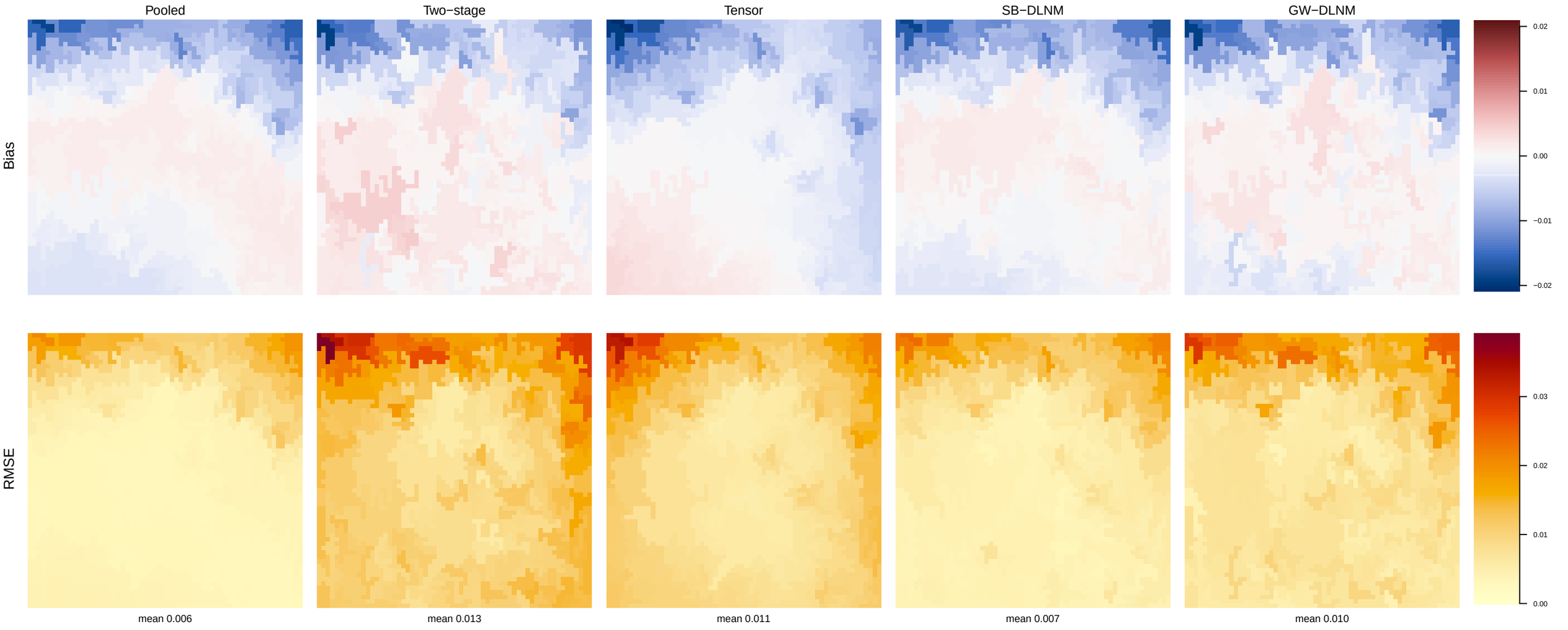
Scenario 809: square region, 240 counties, moderate inequality, independent pattern, spread 0.50, NS gradient, threshold exposure−response, event rate 0.125, RR 1.6, harvest lag



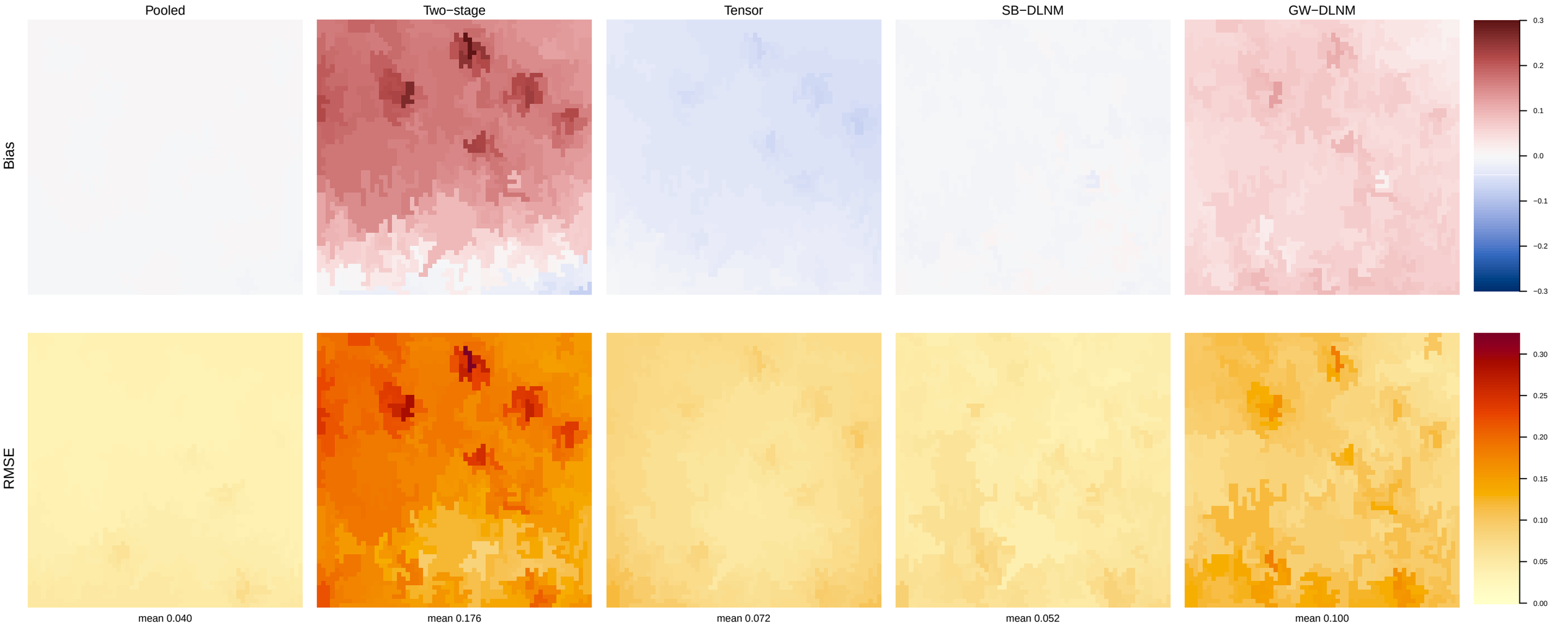
Scenario 873: square region, 240 counties, moderate inequality, local pattern, spread 0.50, ridge gradient, threshold exposure−response, event rate 0.5, RR 1.0, delayed lag



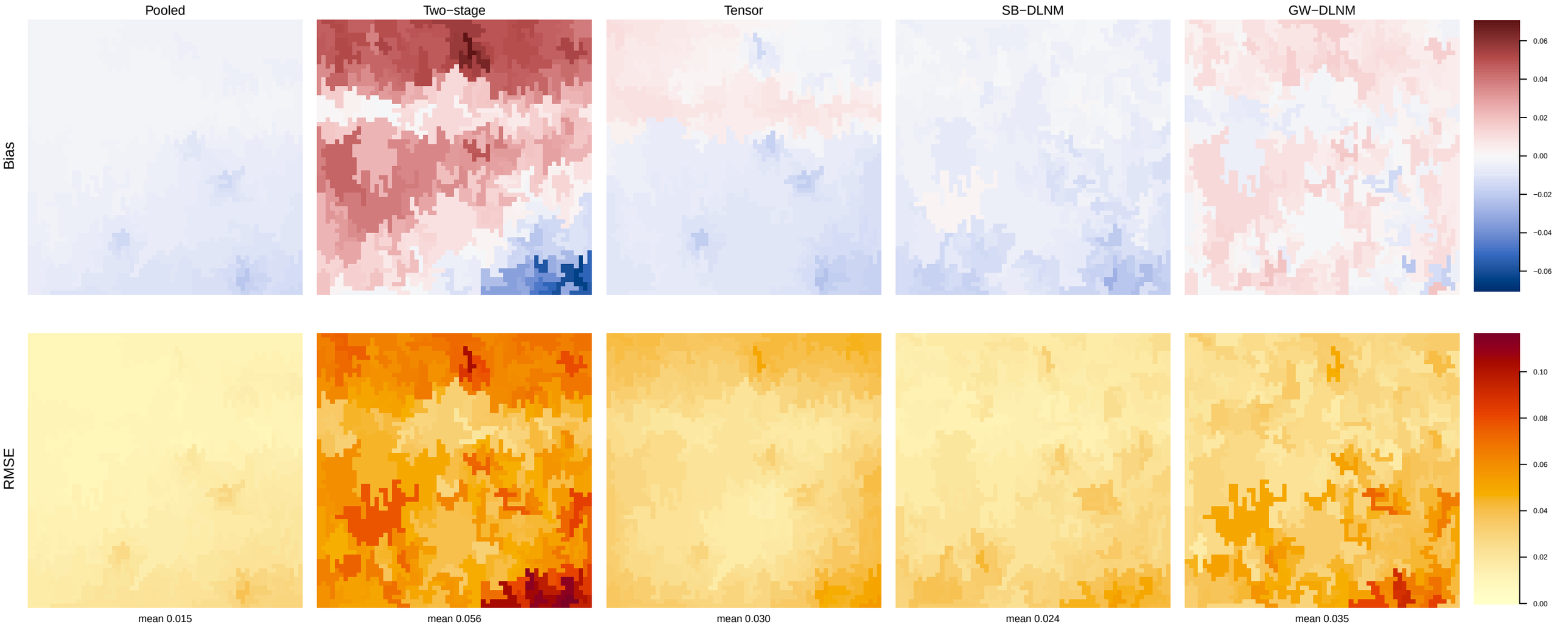
Scenario 937: square region, 240 counties, moderate inequality, regional pattern, spread 0.50, valley gradient, threshold exposure−response, event rate 2, RR 1.4, decay lag



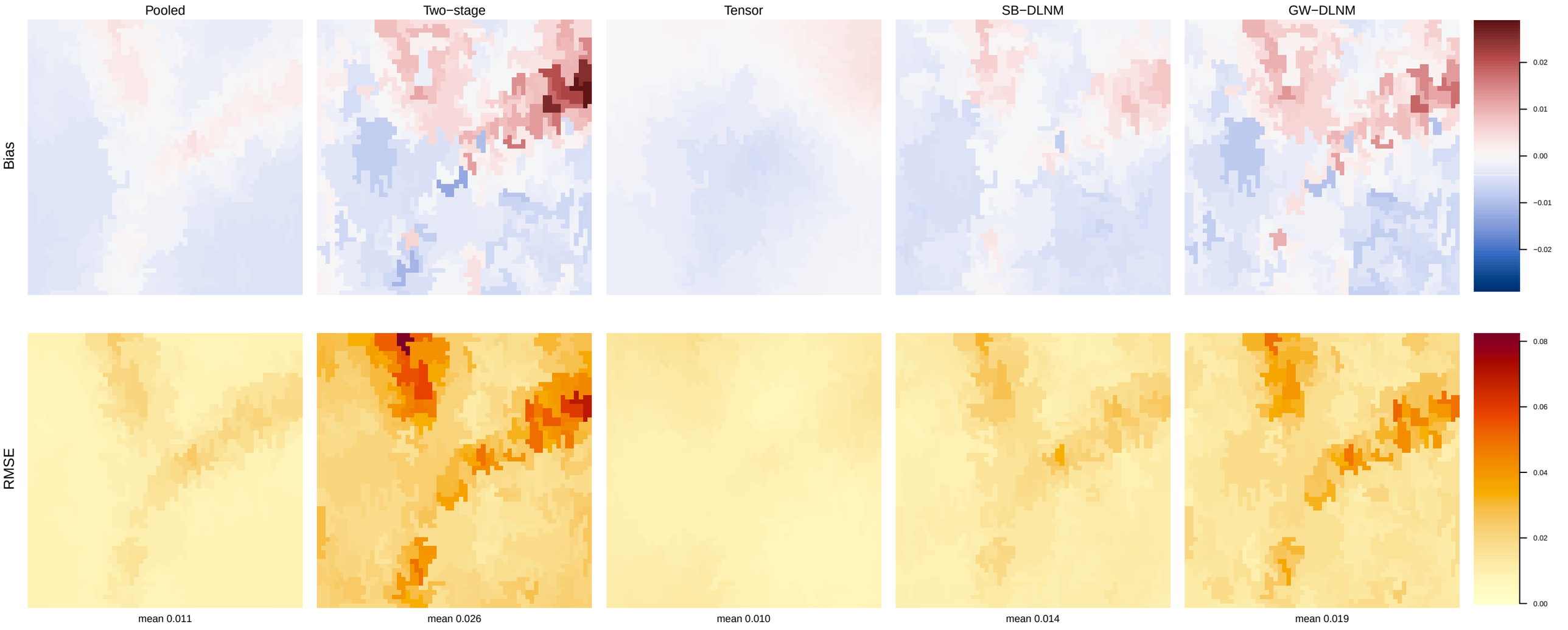
Scenario 185: square region, 240 counties, extreme inequality, regional pattern, spread 0.00, edges gradient, J exposure−response, event rate 8, RR 1.6, short lag



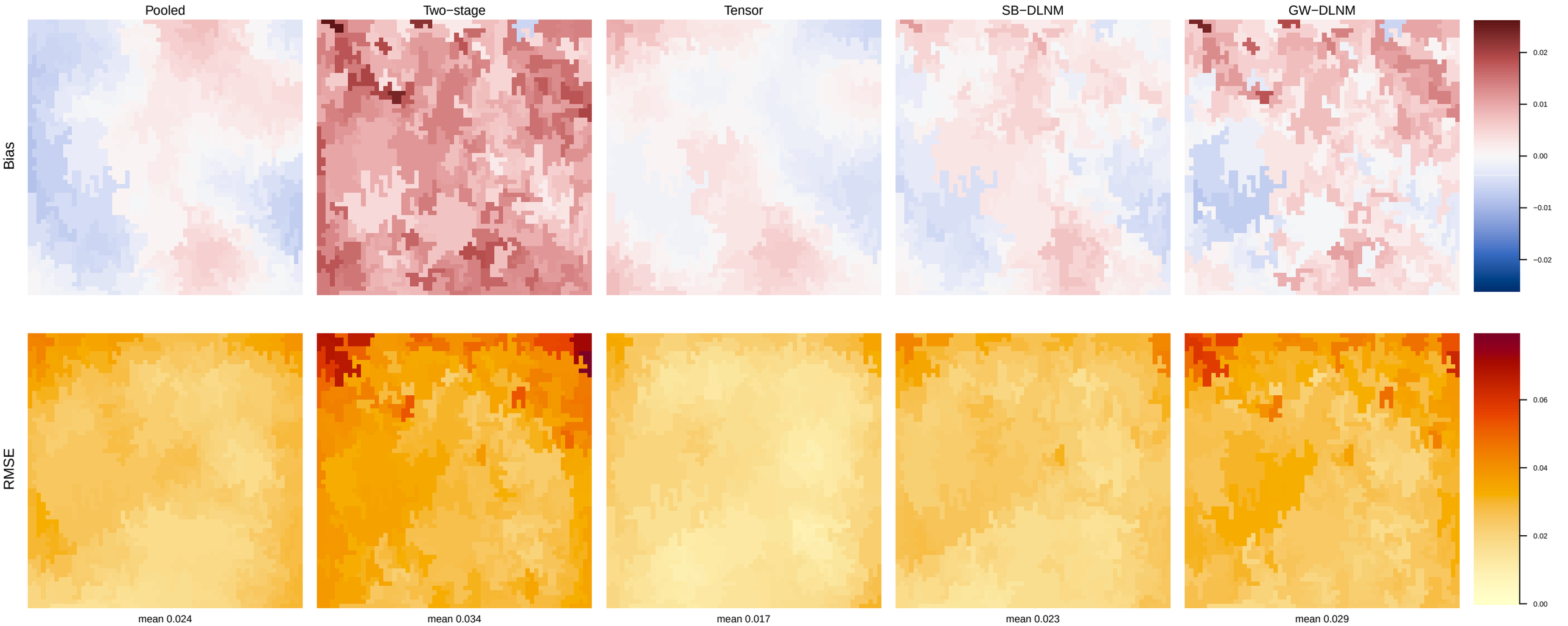
Scenario 121: square region, 240 counties, extreme inequality, local pattern, spread 0.00, NS gradient, J exposure−response, event rate 0.125, RR 1.2, harvest lag



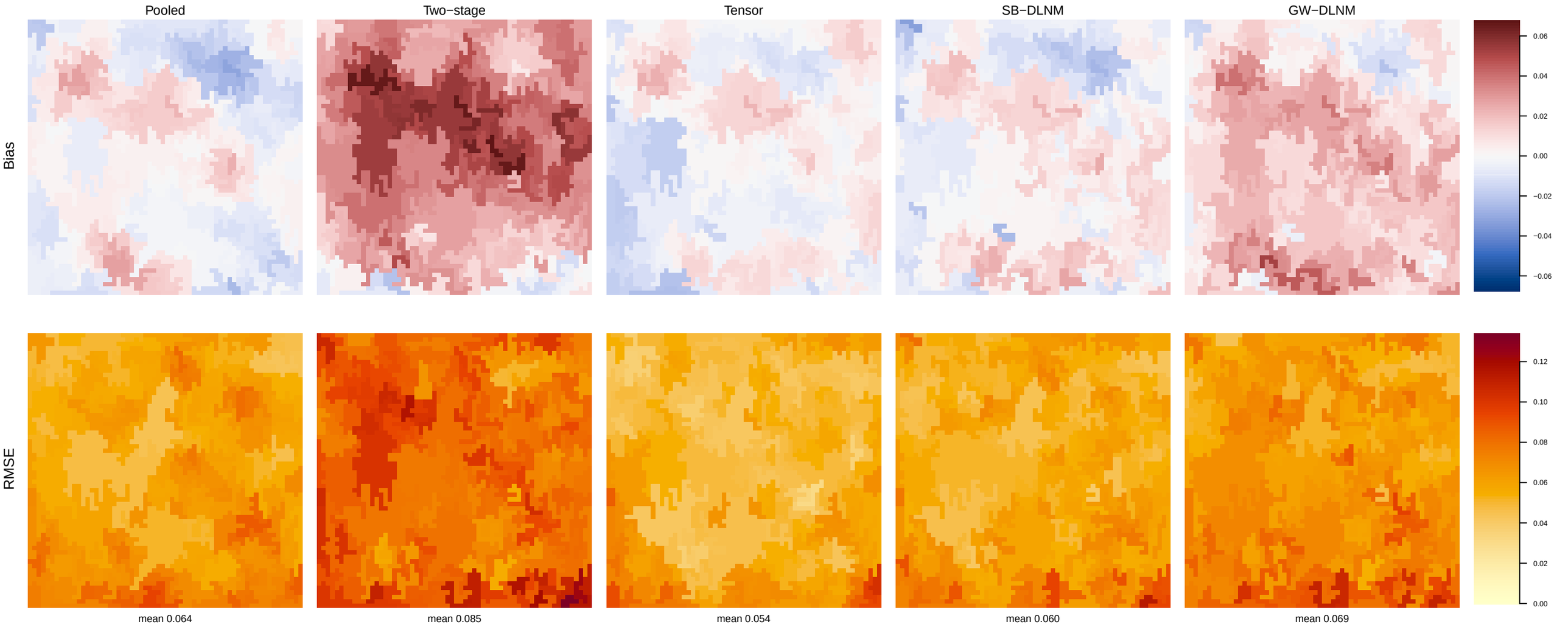
Scenario 57: square region, 240 counties, extreme inequality, independent pattern, spread 0.00, ridge gradient, J exposure−response, event rate 0.5, RR 1.4, delayed lag



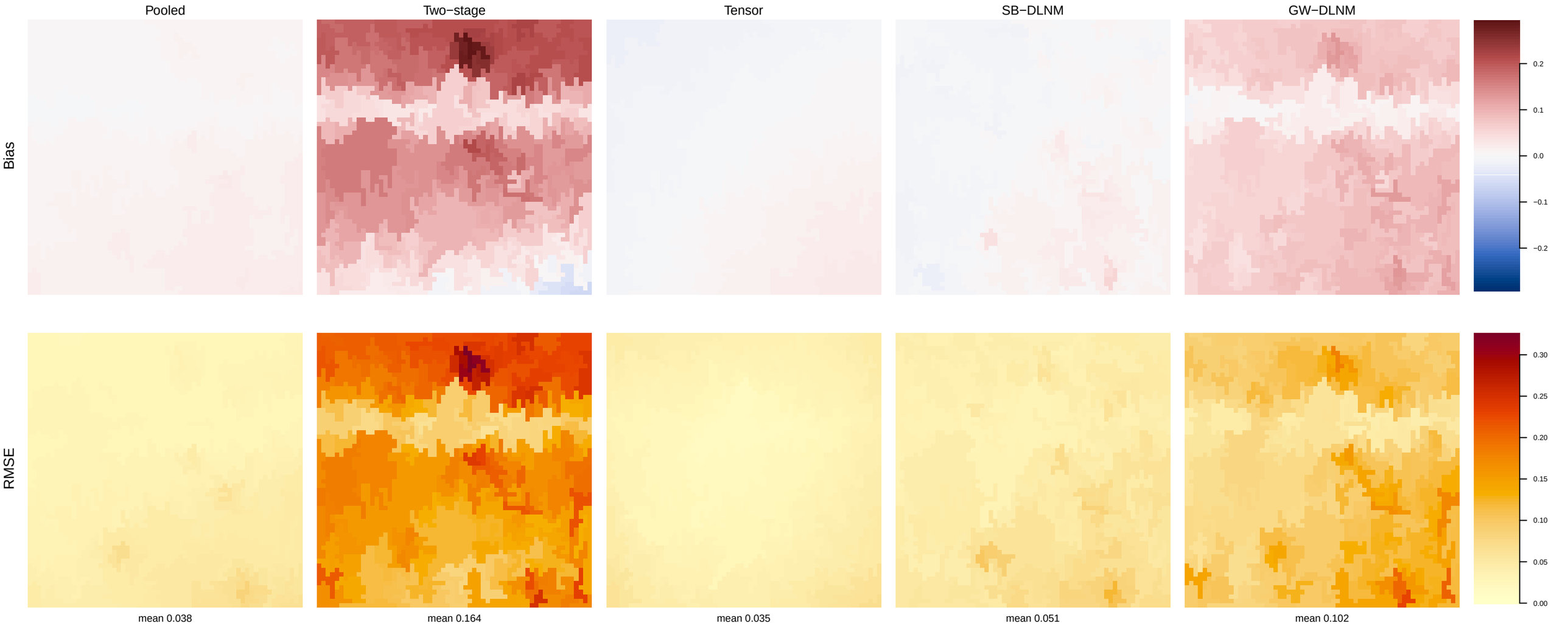
Scenario 249: square region, 240 counties, extreme inequality, boundary pattern, spread 0.00, valley gradient, J exposure−response, event rate 2, RR 1.0, decay lag



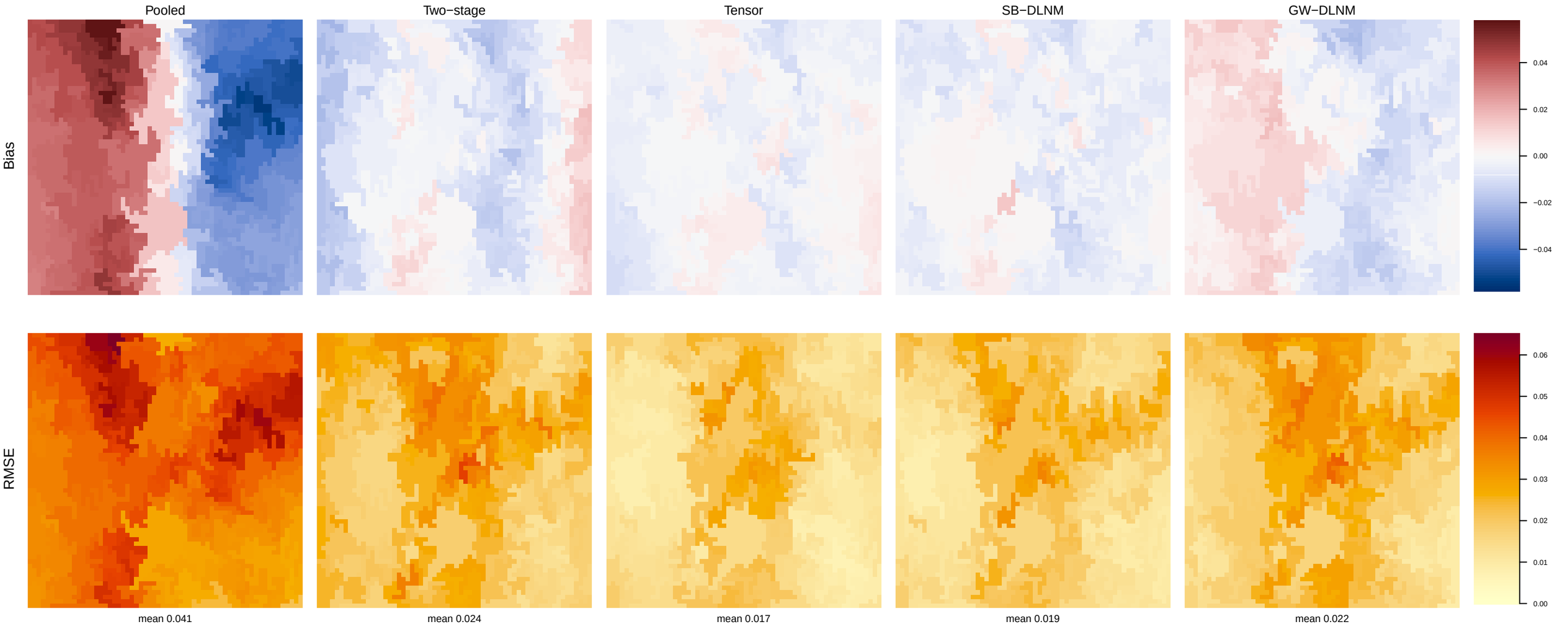
Scenario 441: square region, 240 counties, extreme inequality, regional pattern, spread 0.15, edges gradient, linear exposure−response, event rate 2, RR 1.2, harvest lag



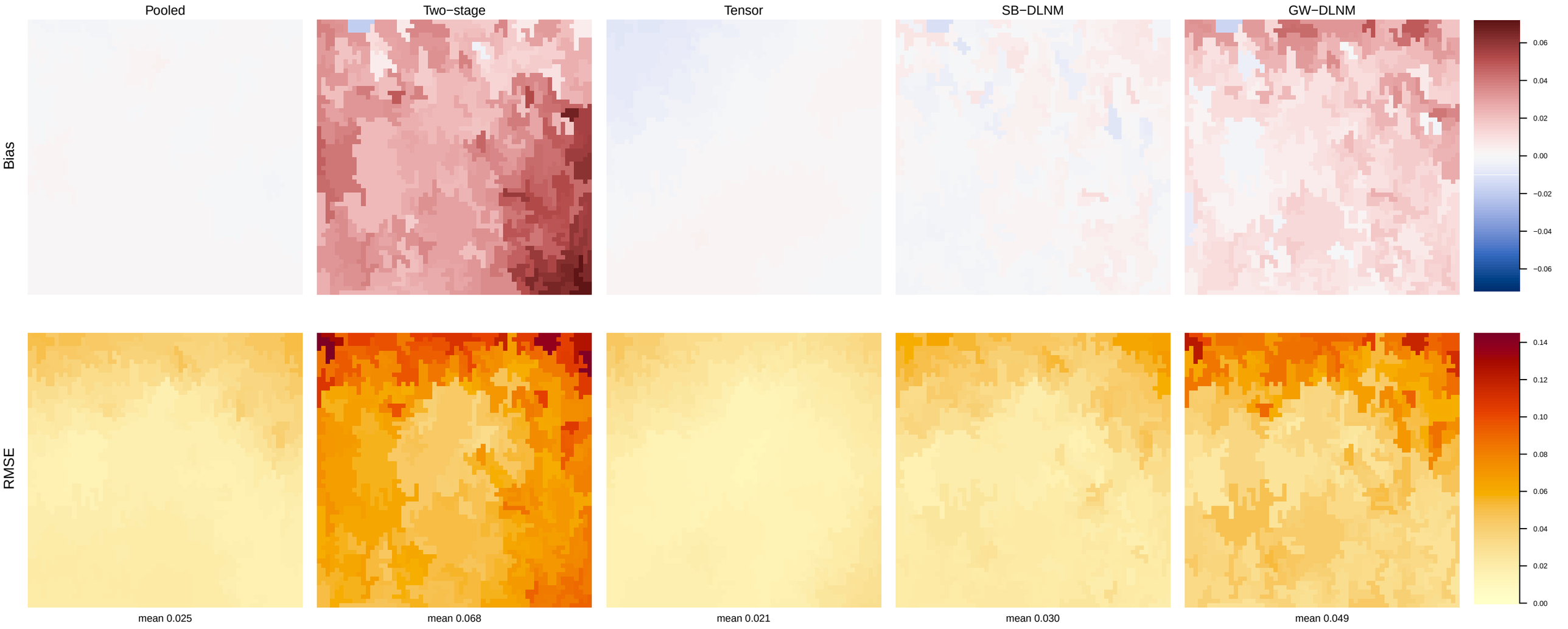
Scenario 377: square region, 240 counties, extreme inequality, local pattern, spread 0.15, NS gradient, linear exposure−response, event rate 0.5, RR 1.6, short lag



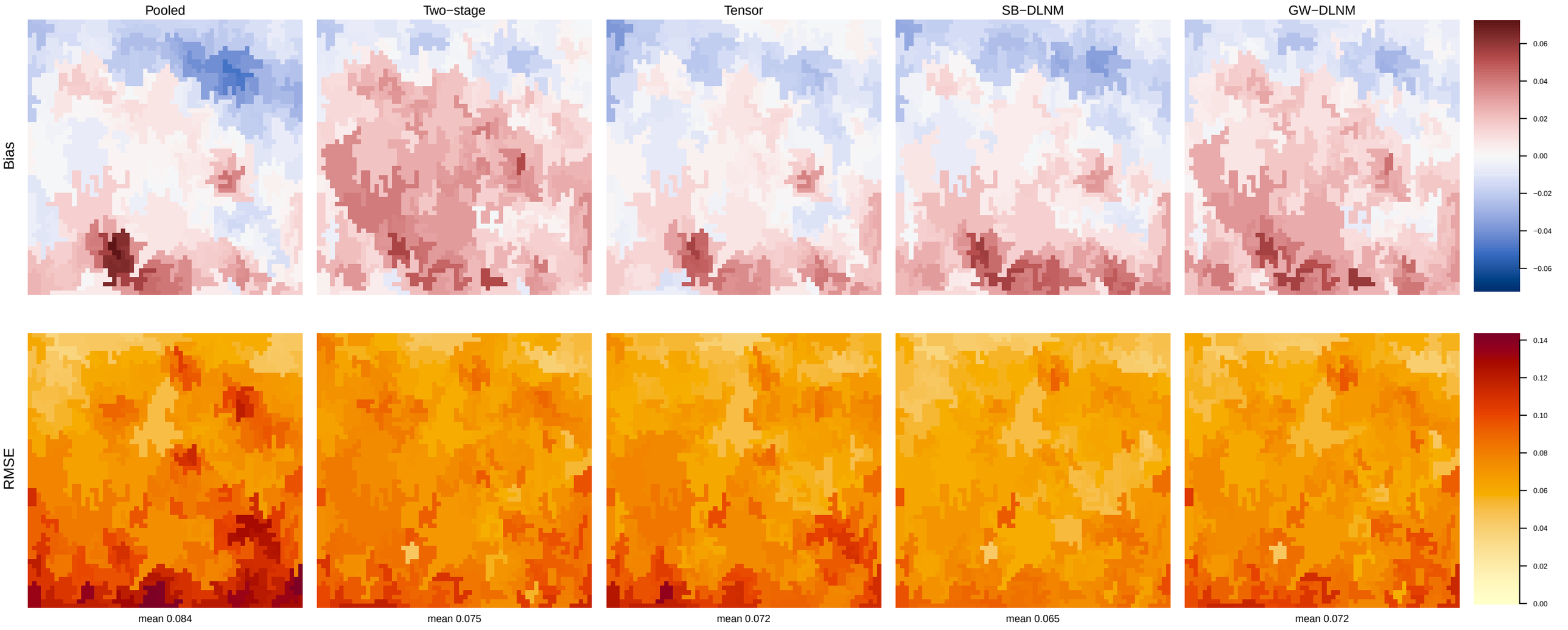
Scenario 313: square region, 240 counties, extreme inequality, independent pattern, spread 0.15, ridge gradient, linear exposure−response, event rate 0.125, RR 1.0, decay lag



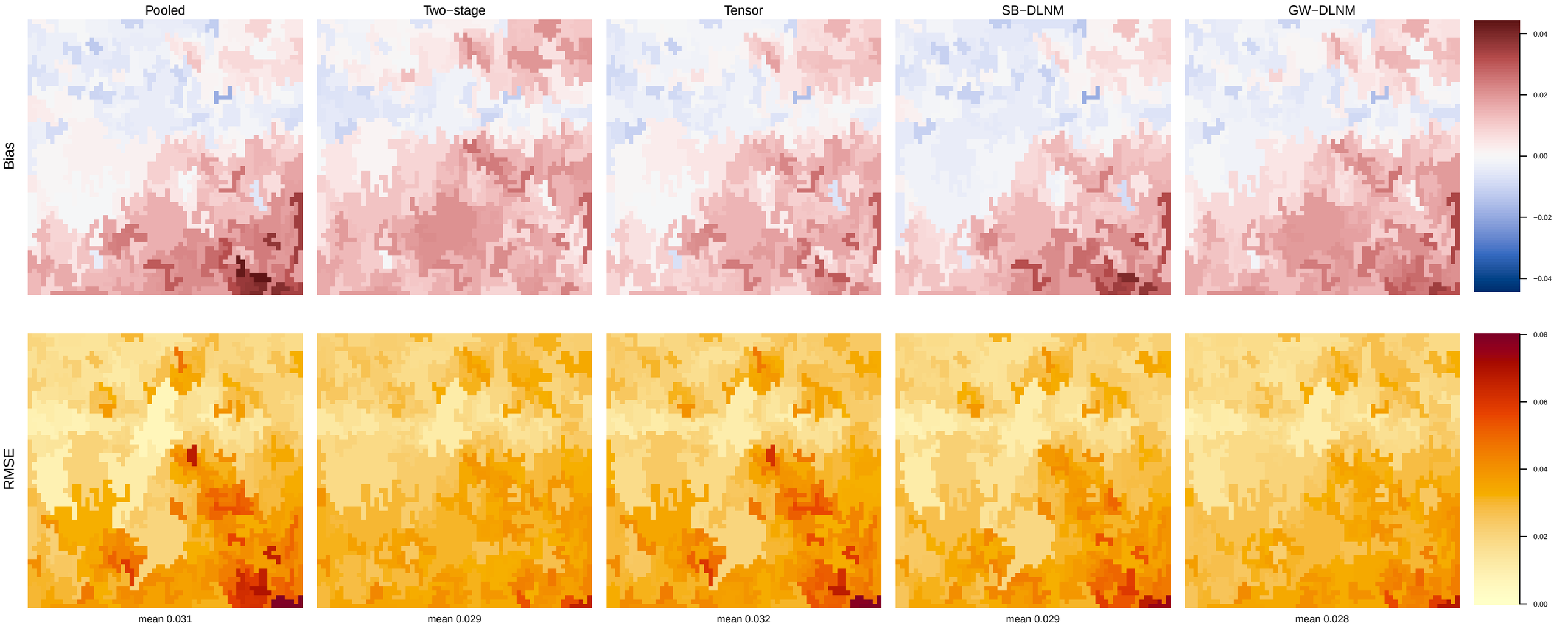
Scenario 505: square region, 240 counties, extreme inequality, boundary pattern, spread 0.15, valley gradient, linear exposure−response, event rate 8, RR 1.4, delayed lag



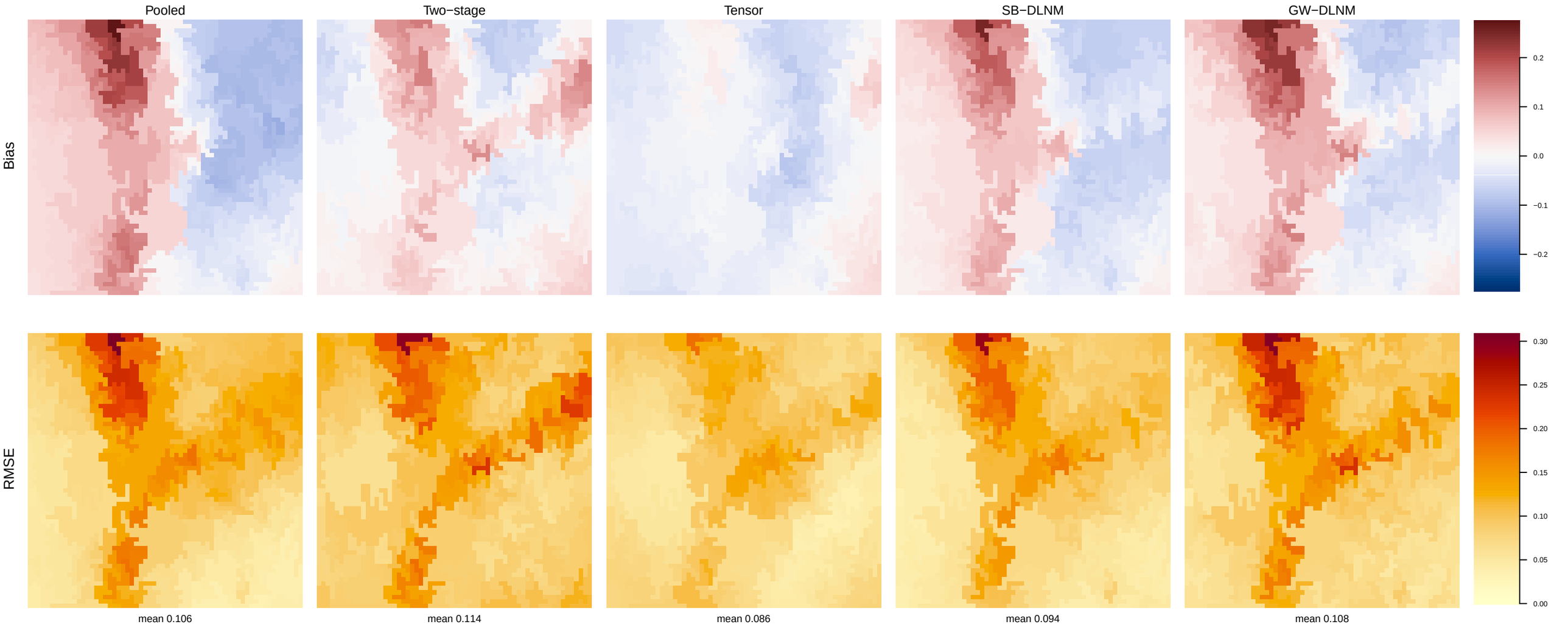
Scenario 697: square region, 240 counties, extreme inequality, regional pattern, spread 0.30, edges gradient, threshold exposure−response, event rate 0.5, RR 1.0, decay lag



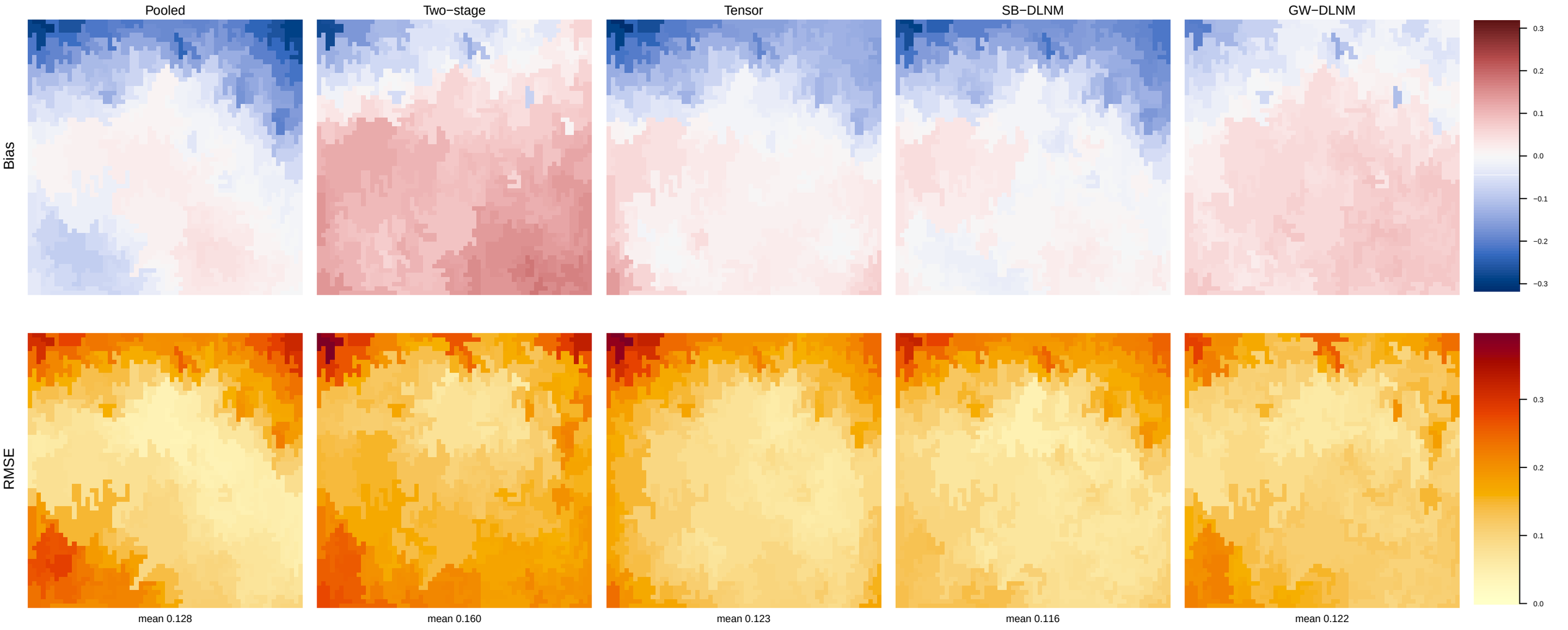
Scenario 633: square region, 240 counties, extreme inequality, local pattern, spread 0.30, NS gradient, threshold exposure−response, event rate 2, RR 1.4, delayed lag



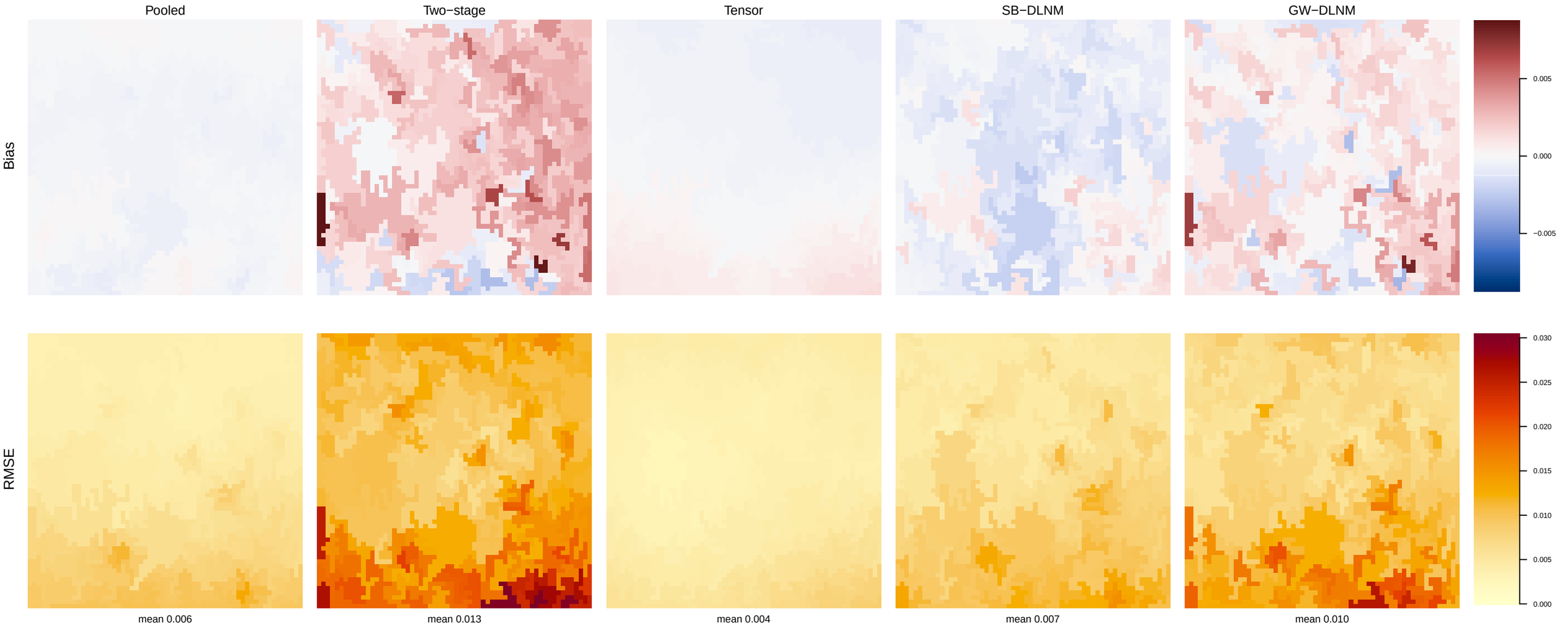
Scenario 569: square region, 240 counties, extreme inequality, independent pattern, spread 0.30, ridge gradient, threshold exposure−response, event rate 8, RR 1.2, harvest lag



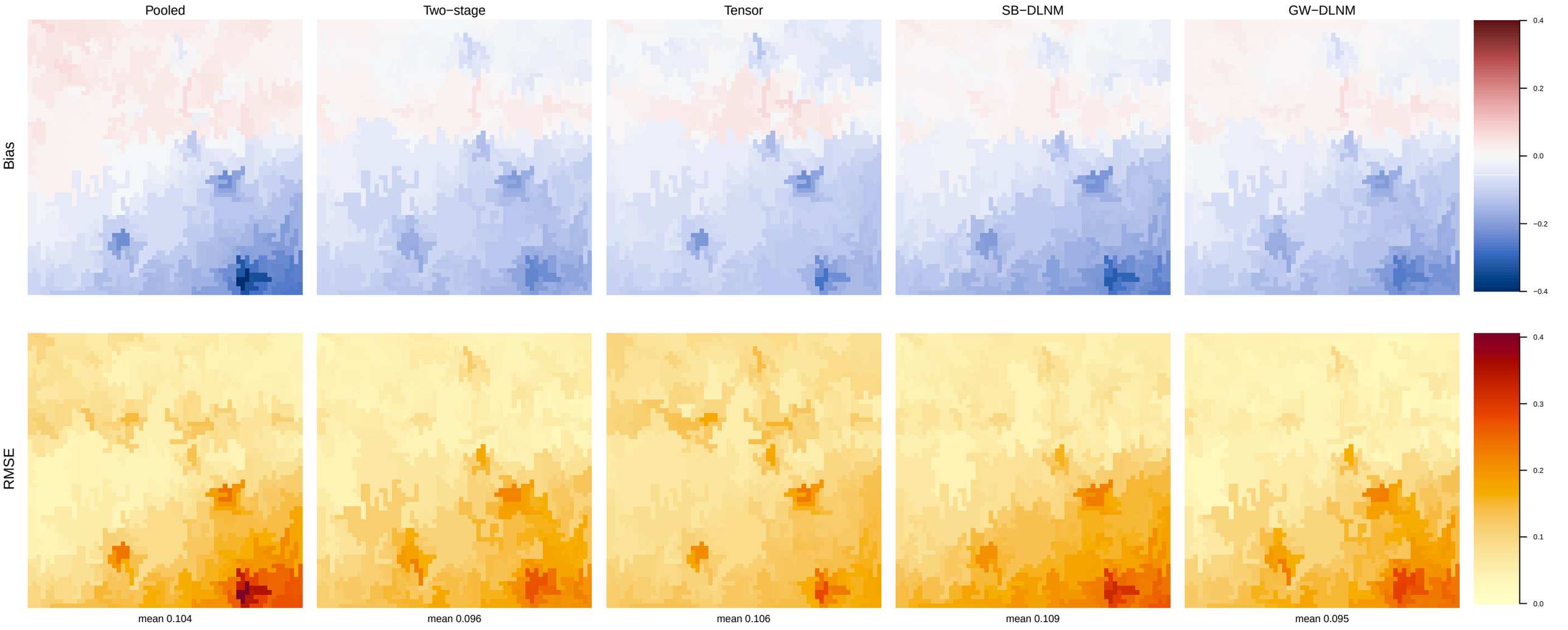
Scenario 761: square region, 240 counties, extreme inequality, boundary pattern, spread 0.30, valley gradient, threshold exposure−response, event rate 0.125, RR 1.6, short lag



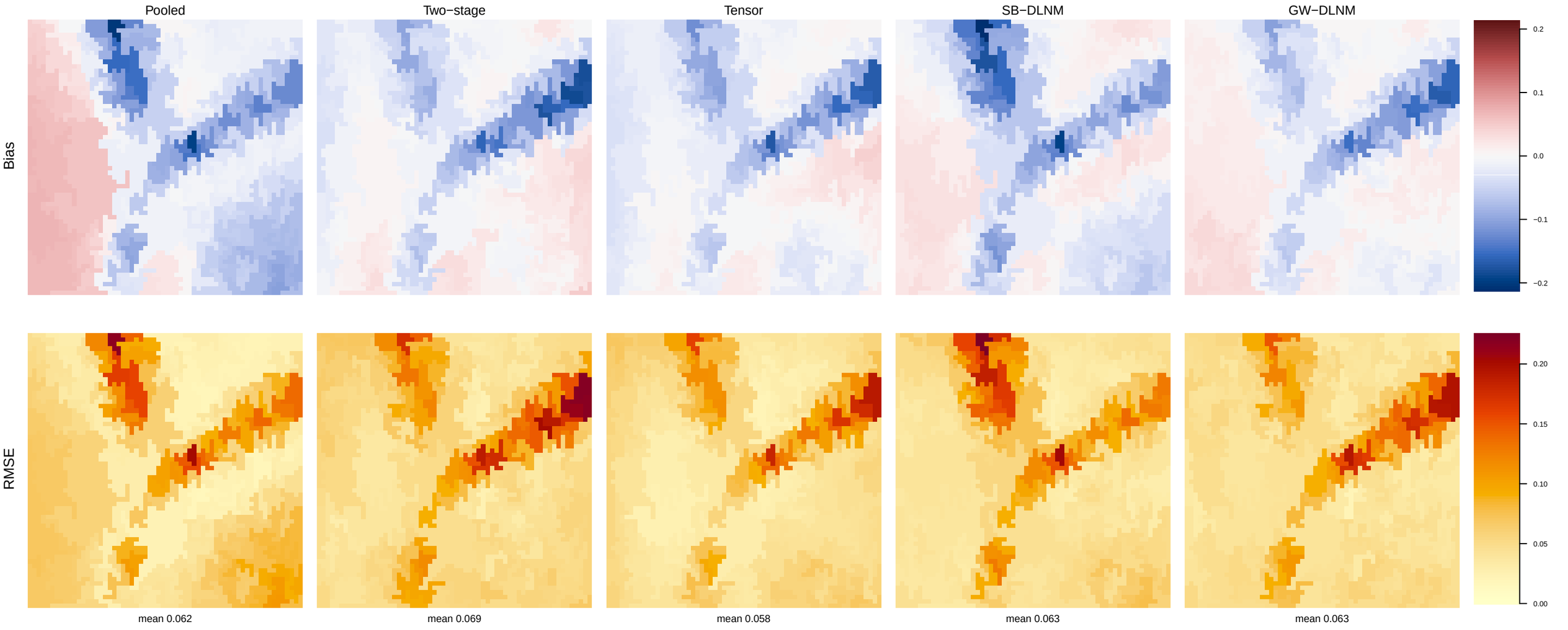
Scenario 953: square region, 240 counties, extreme inequality, regional pattern, spread 0.50, edges gradient, unimodal exposure−response, event rate 0.125, RR 1.4, delayed lag



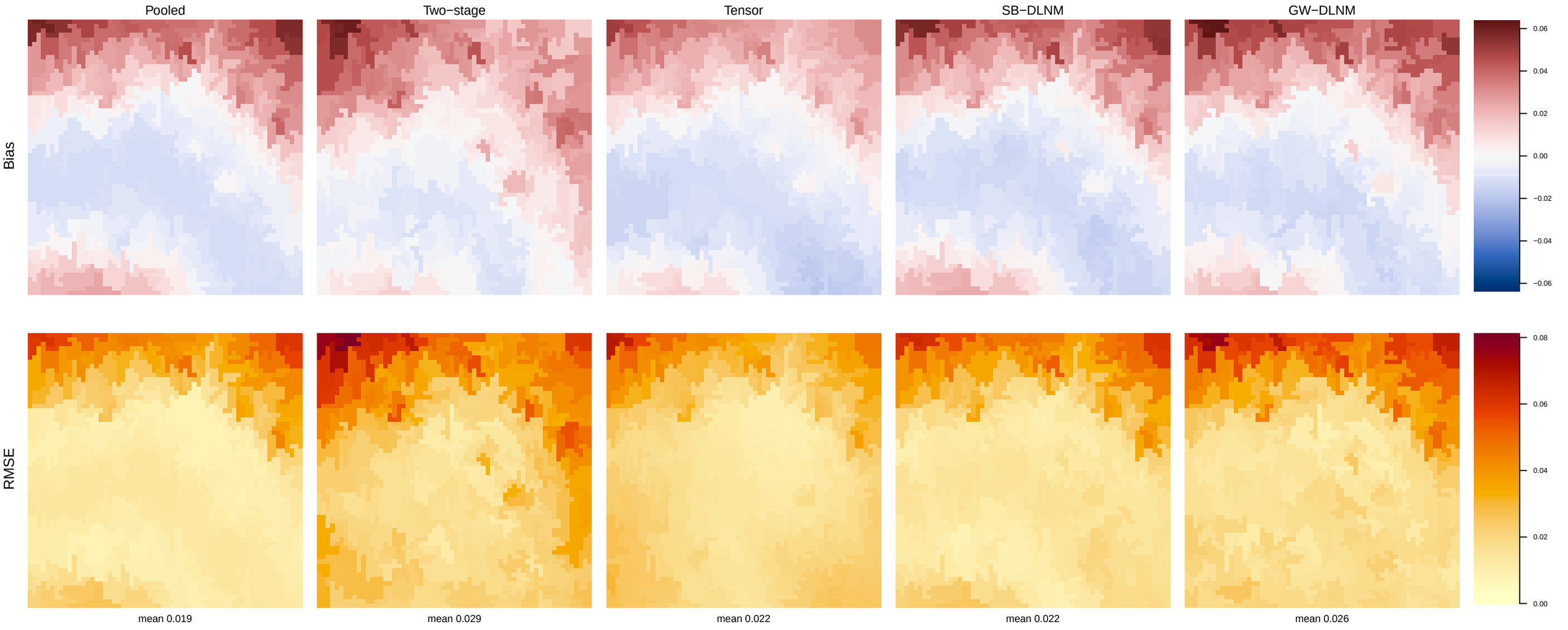
Scenario 889: square region, 240 counties, extreme inequality, local pattern, spread 0.50, NS gradient, unimodal exposure−response, event rate 8, RR 1.0, decay lag



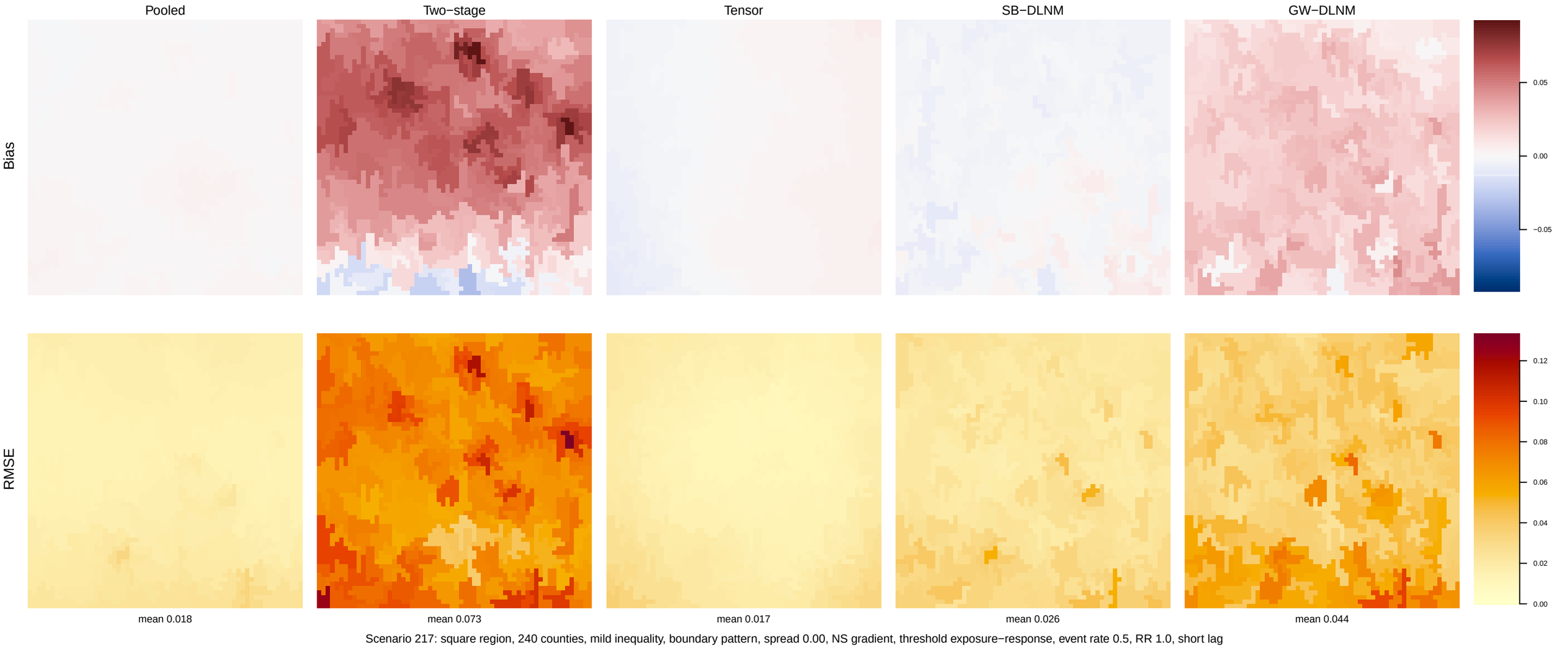
Scenario 825: square region, 240 counties, extreme inequality, independent pattern, spread 0.50, ridge gradient, unimodal exposure−response, event rate 2, RR 1.6, short lag



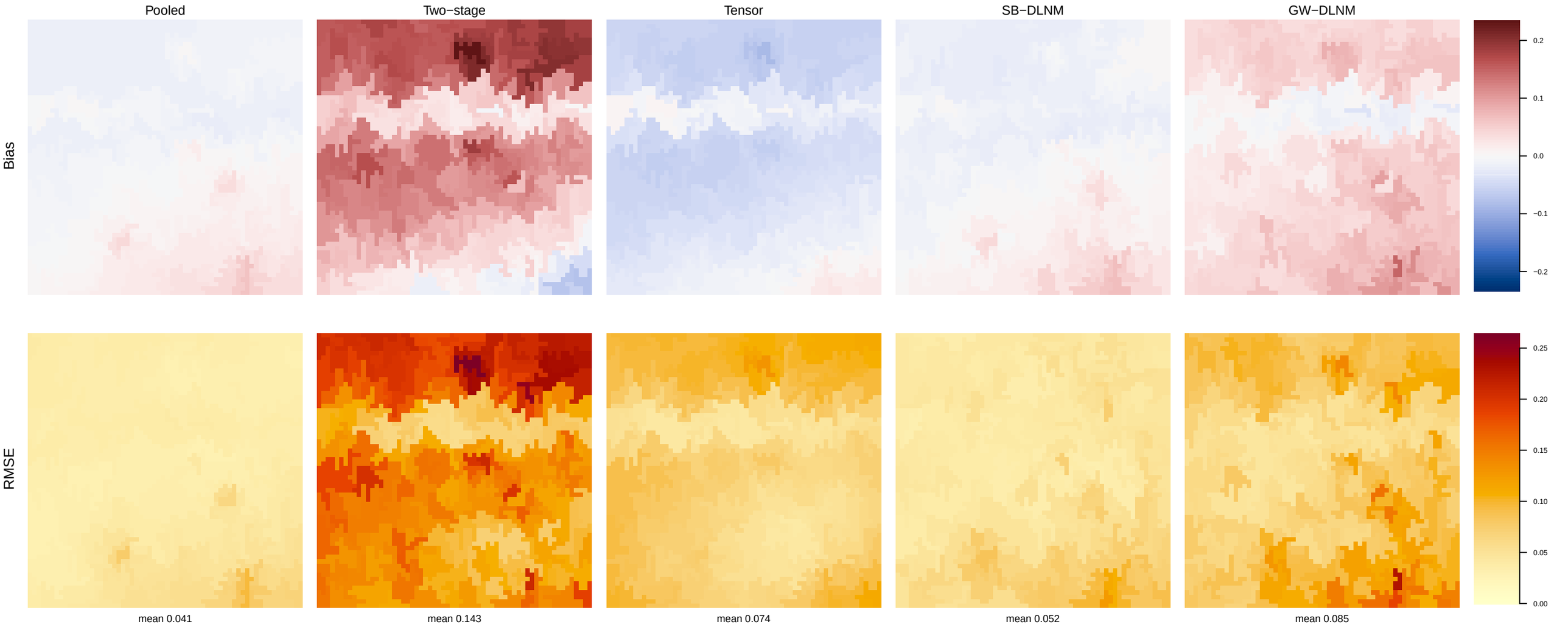
Scenario 1017: square region, 240 counties, extreme inequality, boundary pattern, spread 0.50, valley gradient, unimodal exposure−response, event rate 0.5, RR 1.2, harvest lag



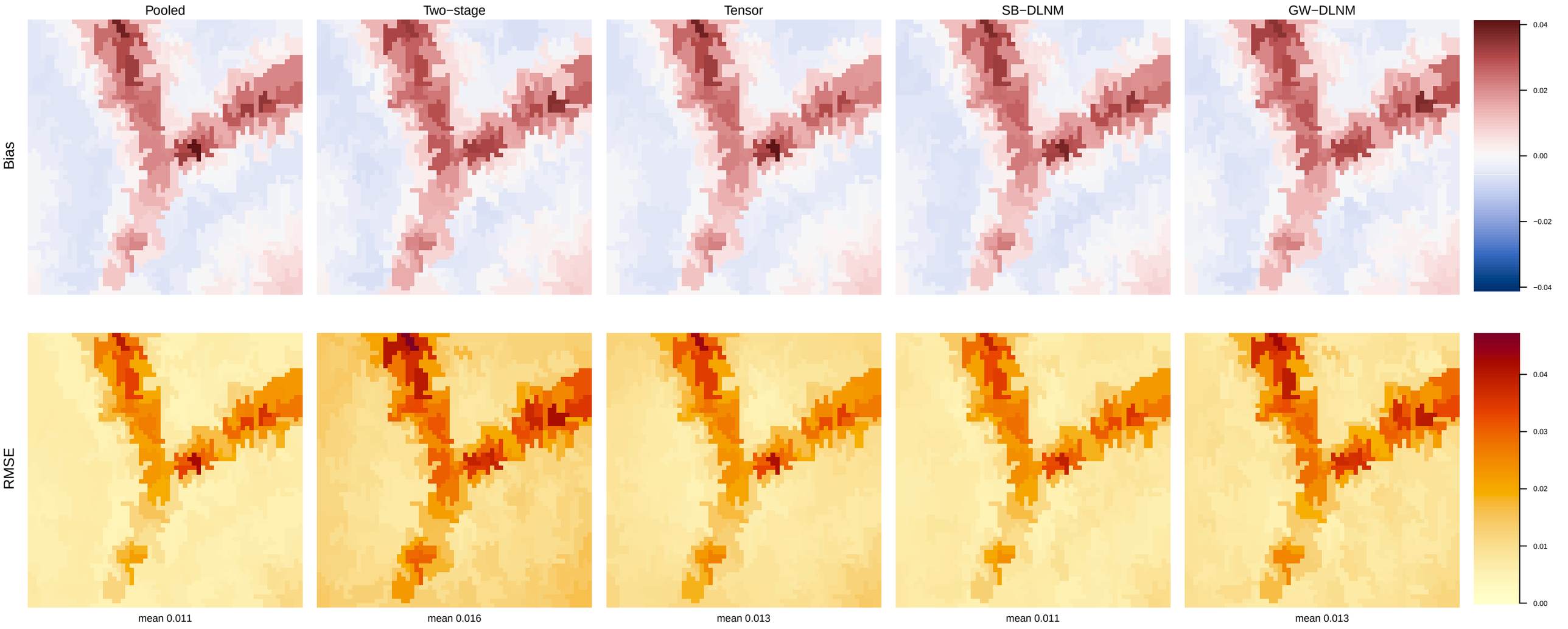
Scenario 25: square region, 240 counties, mild inequality, independent pattern, spread 0.00, edges gradient, threshold exposure−response, event rate 2, RR 1.4, harvest lag



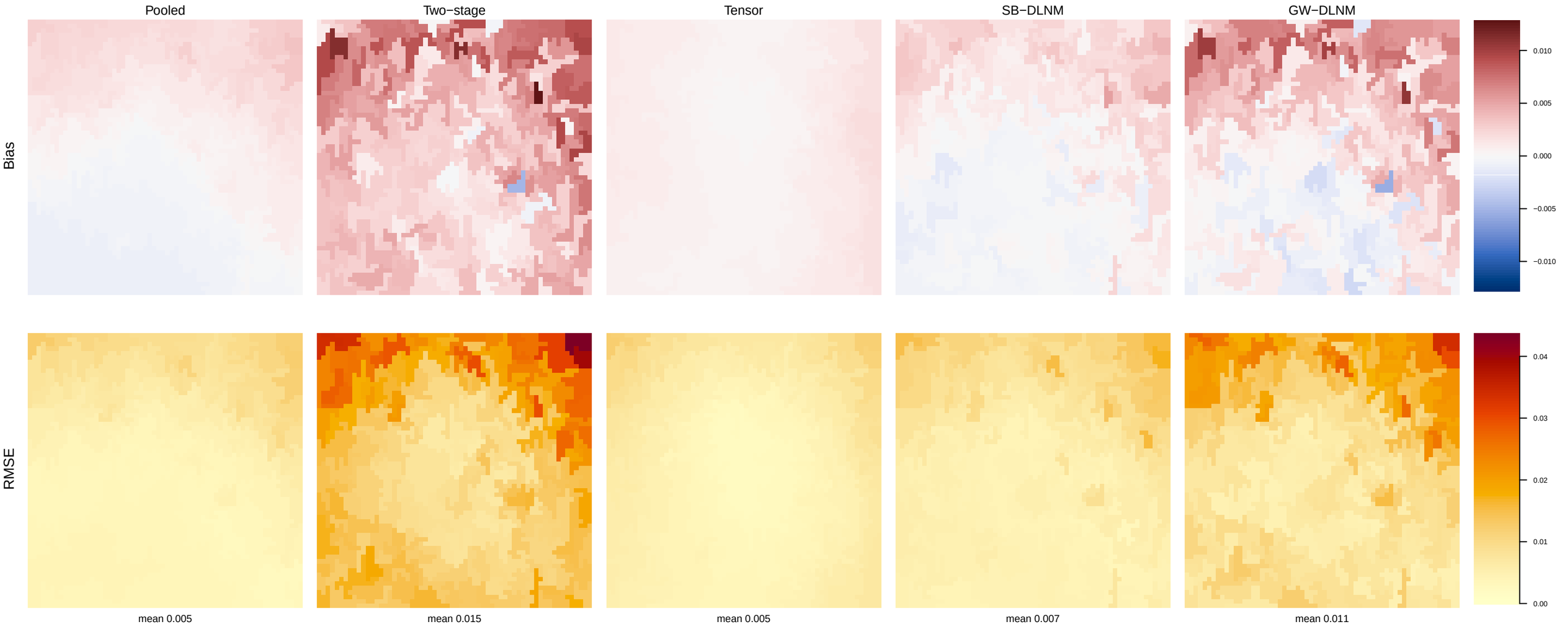
Scenario 217: square region, 240 counties, mild inequality, boundary pattern, spread 0.00, NS gradient, threshold exposure−response, event rate 0.5, RR 1.0, short lag



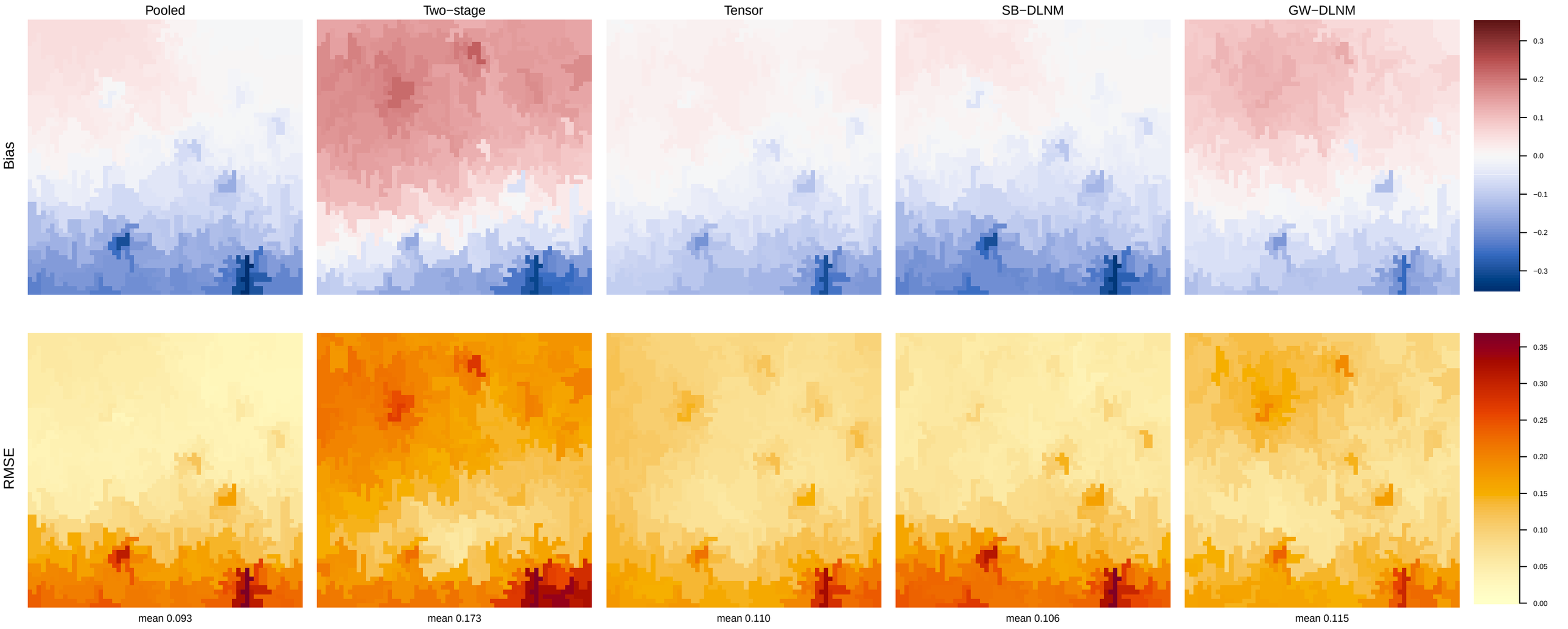
Scenario 153: square region, 240 counties, mild inequality, regional pattern, spread 0.00, ridge gradient, threshold exposure−response, event rate 0.125, RR 1.6, decay lag



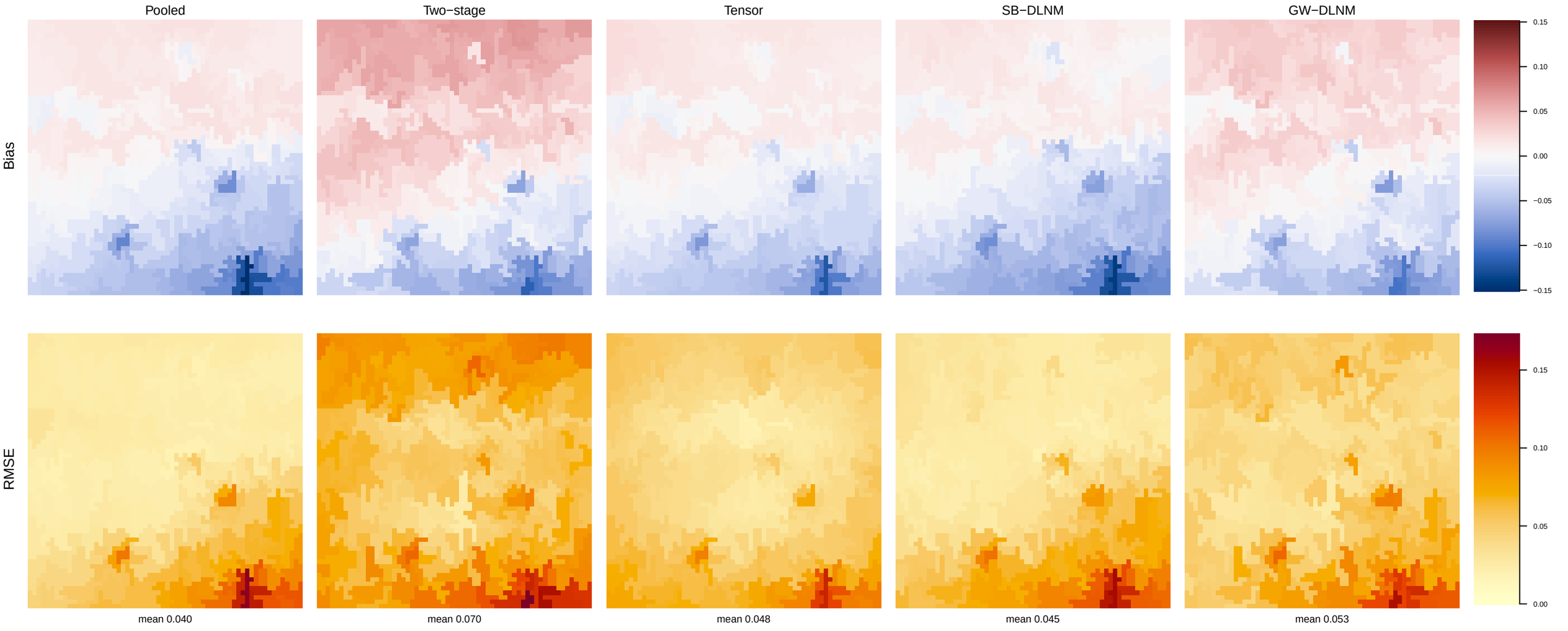
Scenario 89: square region, 240 counties, mild inequality, local pattern, spread 0.00, valley gradient, threshold exposure−response, event rate 8, RR 1.2, delayed lag



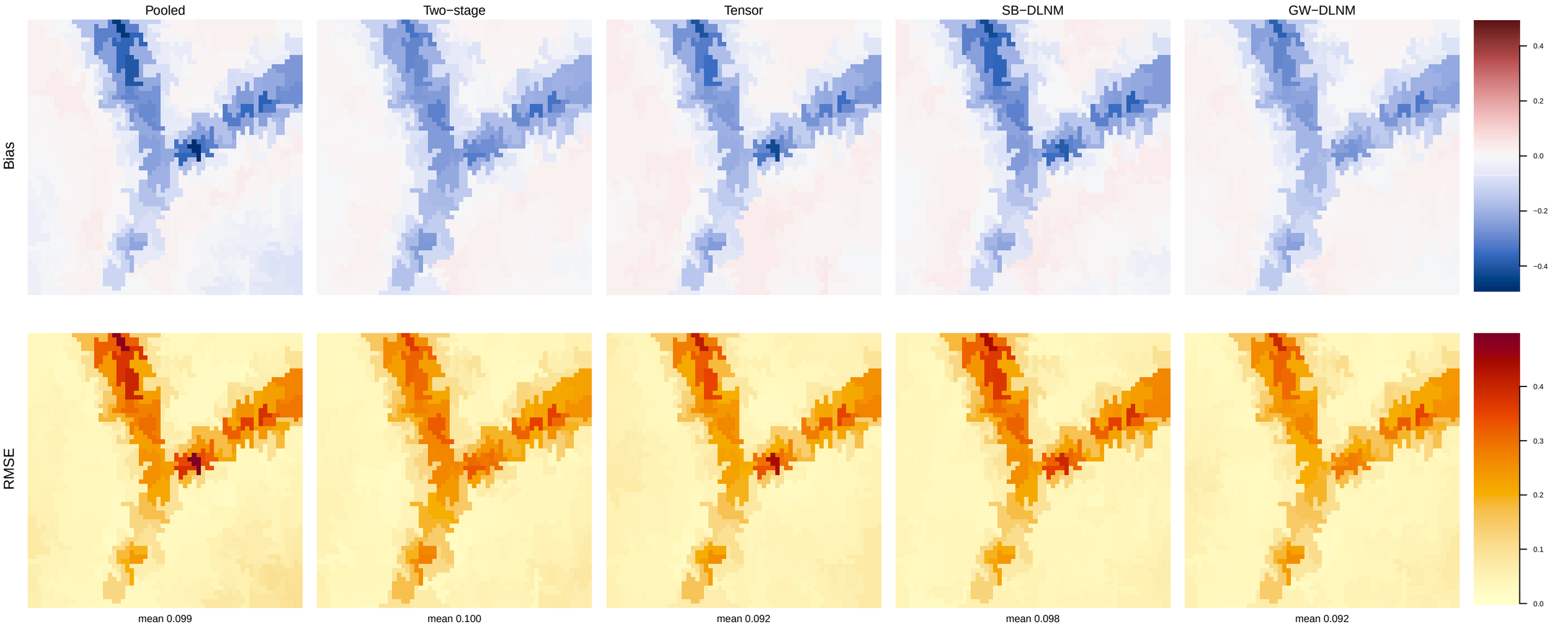
Scenario 281: square region, 240 counties, mild inequality, independent pattern, spread 0.15, edges gradient, unimodal exposure−response, event rate 8, RR 1.0, short lag



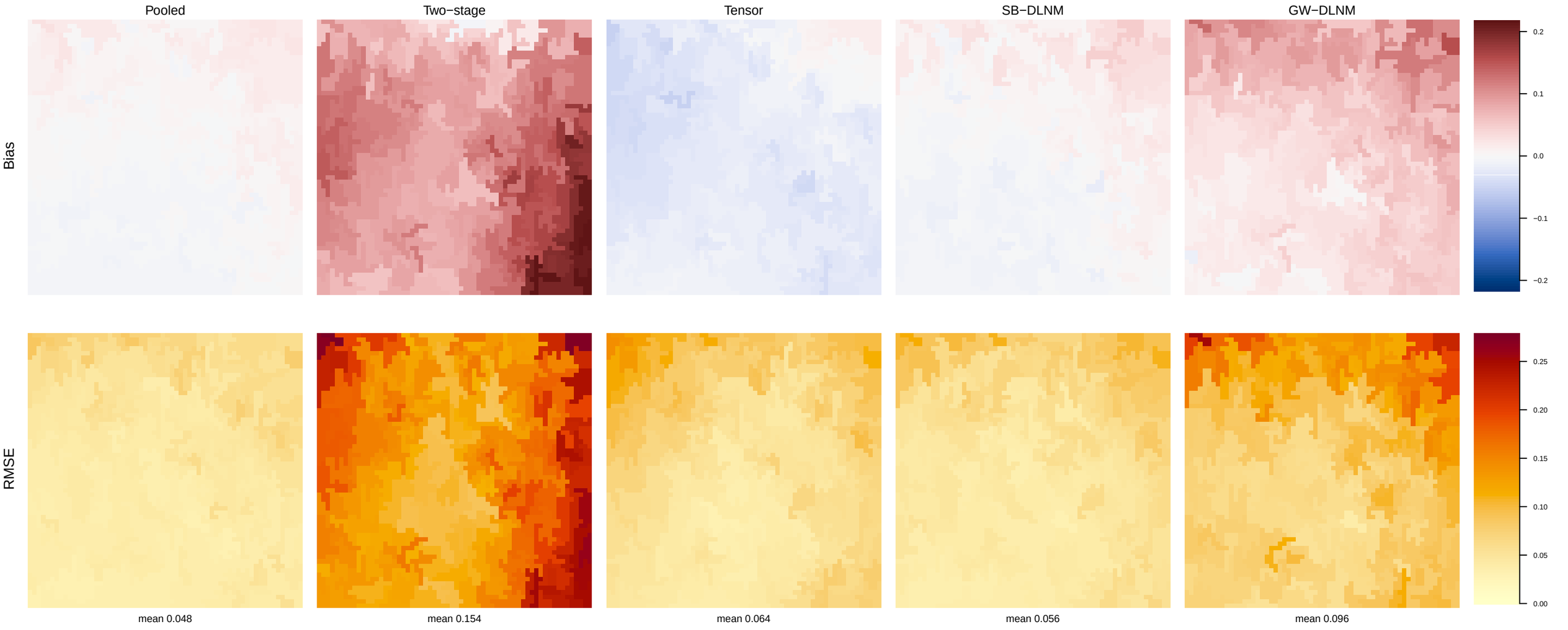
Scenario 473: square region, 240 counties, mild inequality, boundary pattern, spread 0.15, NS gradient, unimodal exposure−response, event rate 0.125, RR 1.4, harvest lag



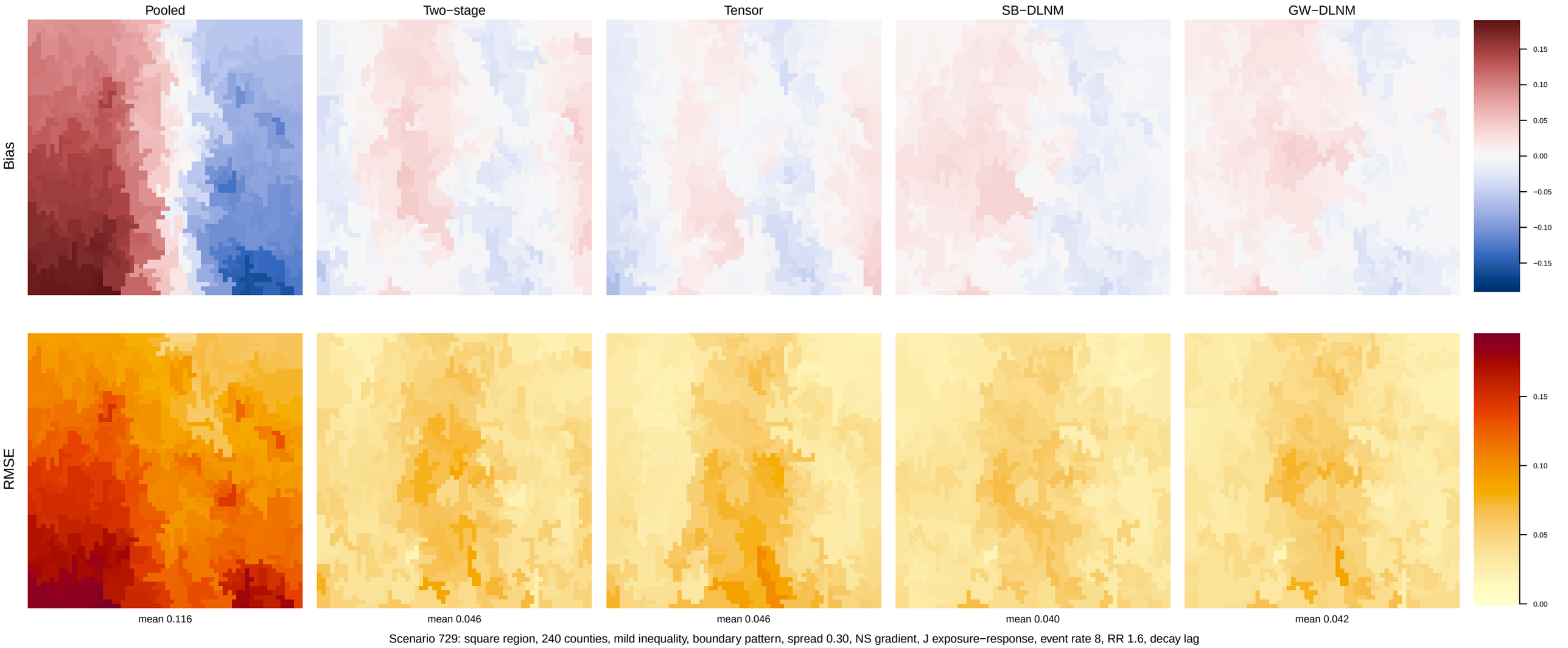
Scenario 409: square region, 240 counties, mild inequality, regional pattern, spread 0.15, ridge gradient, unimodal exposure−response, event rate 0.5, RR 1.2, delayed lag

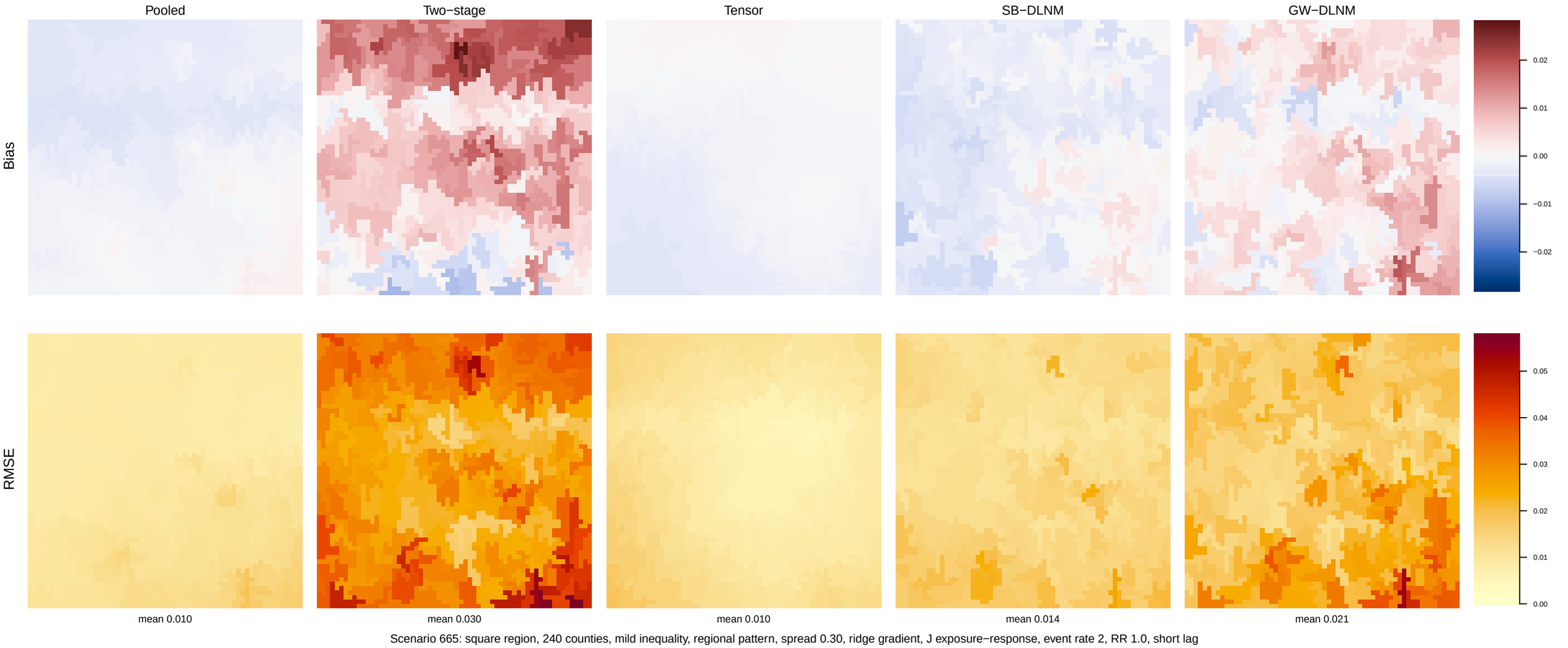


Scenario 345: square region, 240 counties, mild inequality, local pattern, spread 0.15, valley gradient, unimodal exposure−response, event rate 2, RR 1.6, decay lag

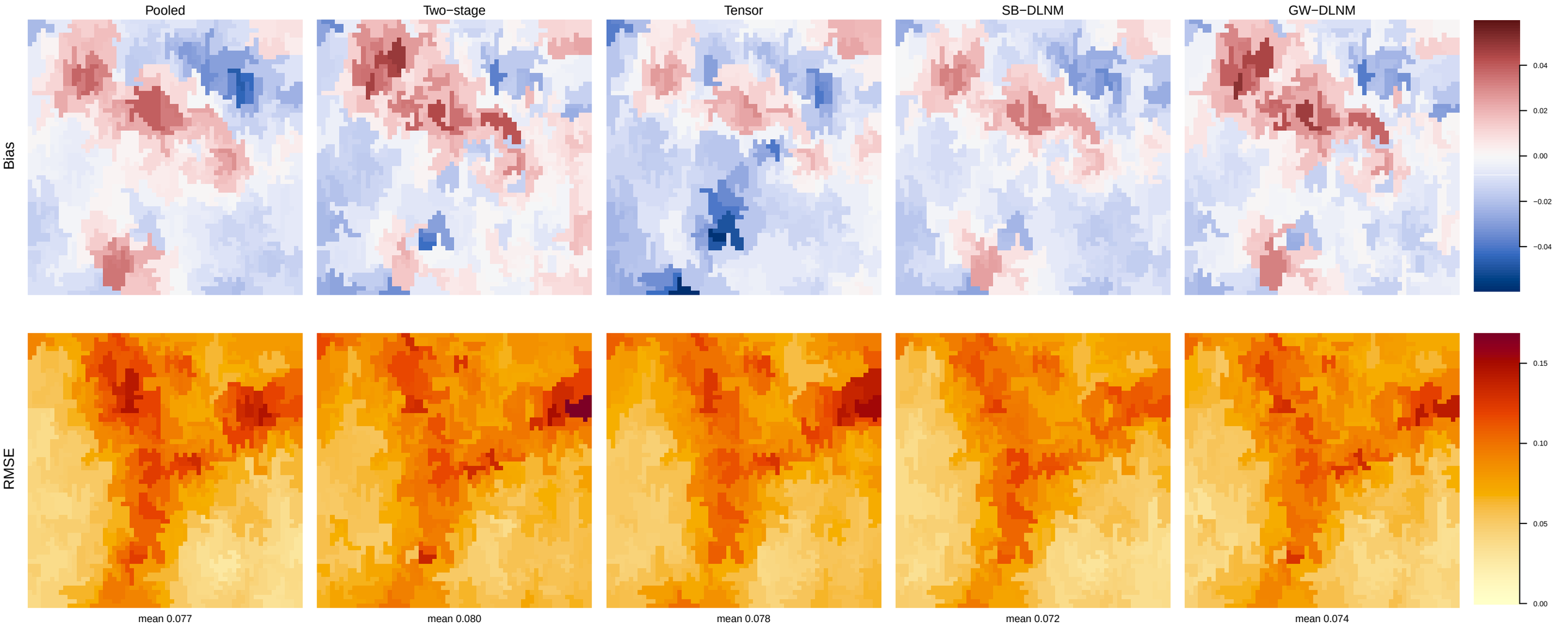


Scenario 537: square region, 240 counties, mild inequality, independent pattern, spread 0.30, edges gradient, J exposure−response, event rate 0.125, RR 1.2, delayed lag

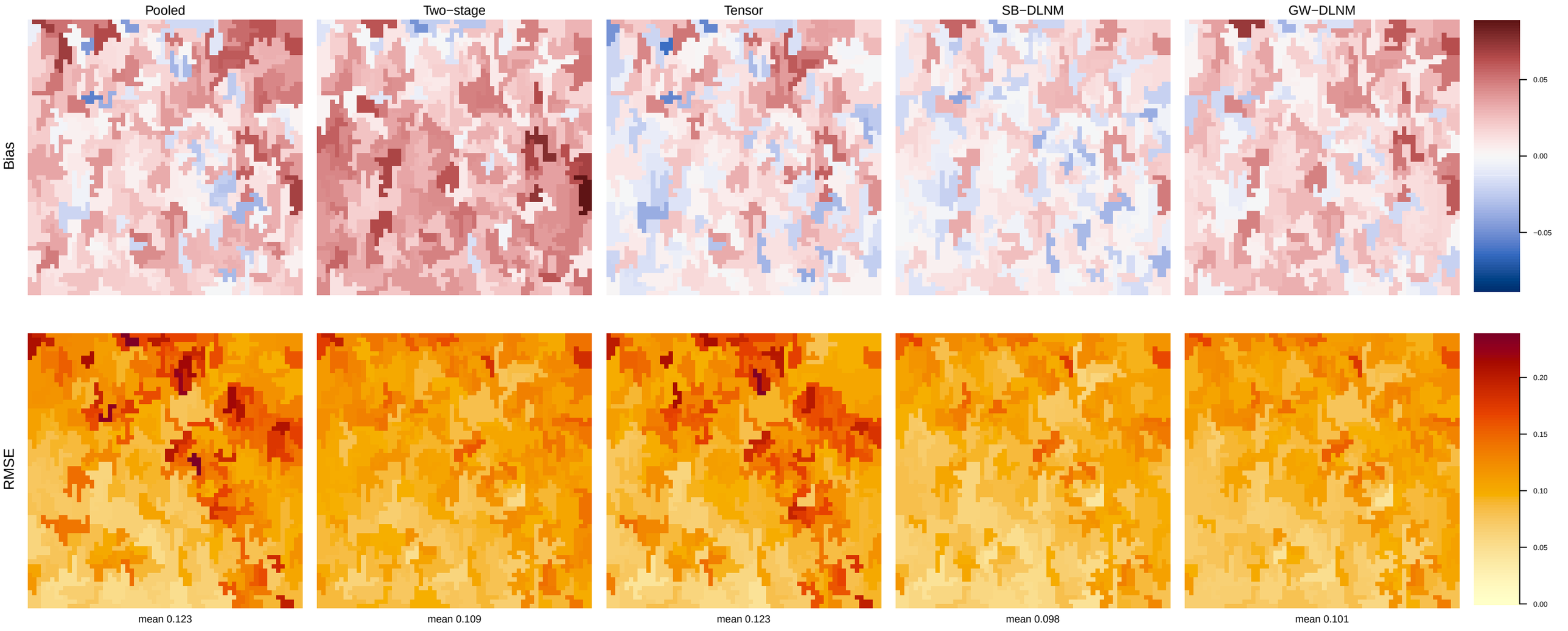

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.15
0.10
0.05
0.00
mean 0.116
mean 0.046
mean 0.046
mean 0.040
mean 0.042
Scenario 729: square region, 240 counties, mild inequality, boundary pattern, spread 0.30, NS gradient, J exposure−response, event rate 8, RR 1.6, decay lag



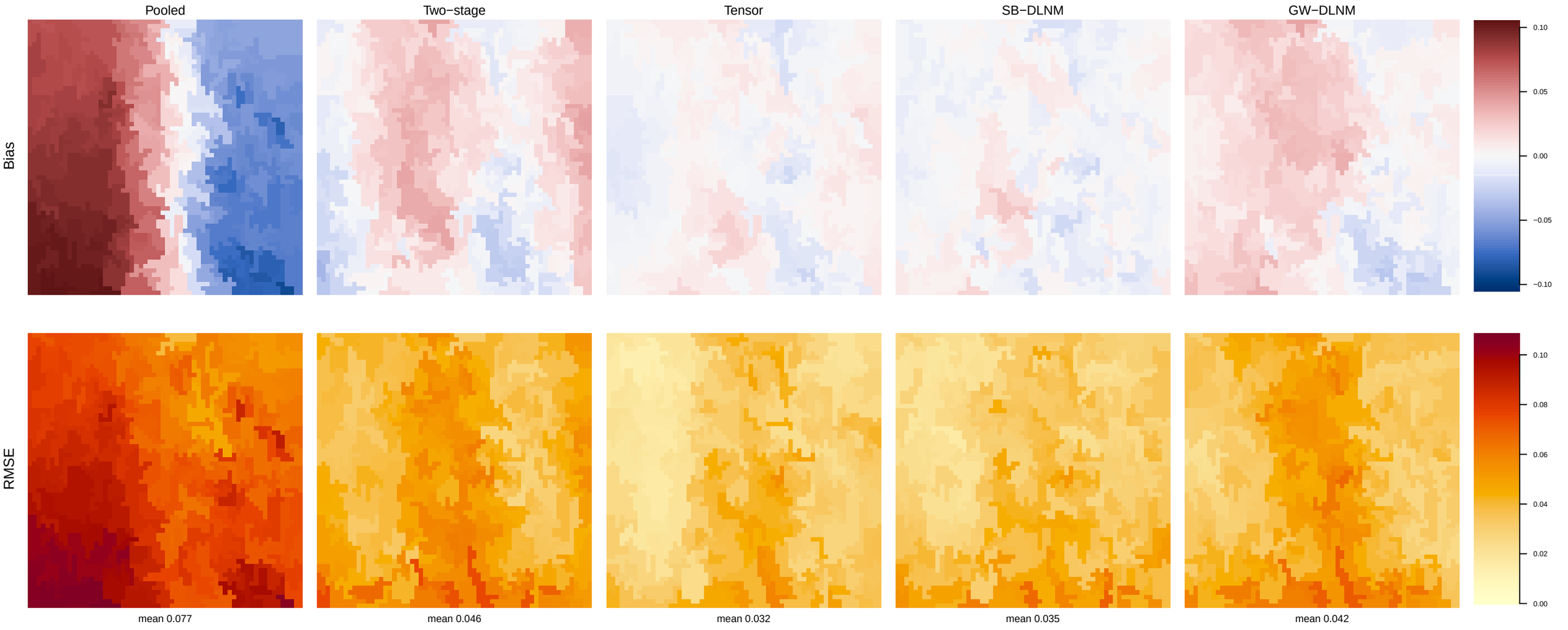
Scenario 665: square region, 240 counties, mild inequality, regional pattern, spread 0.30, ridge gradient, J exposure−response, event rate 2, RR 1.0, short lag



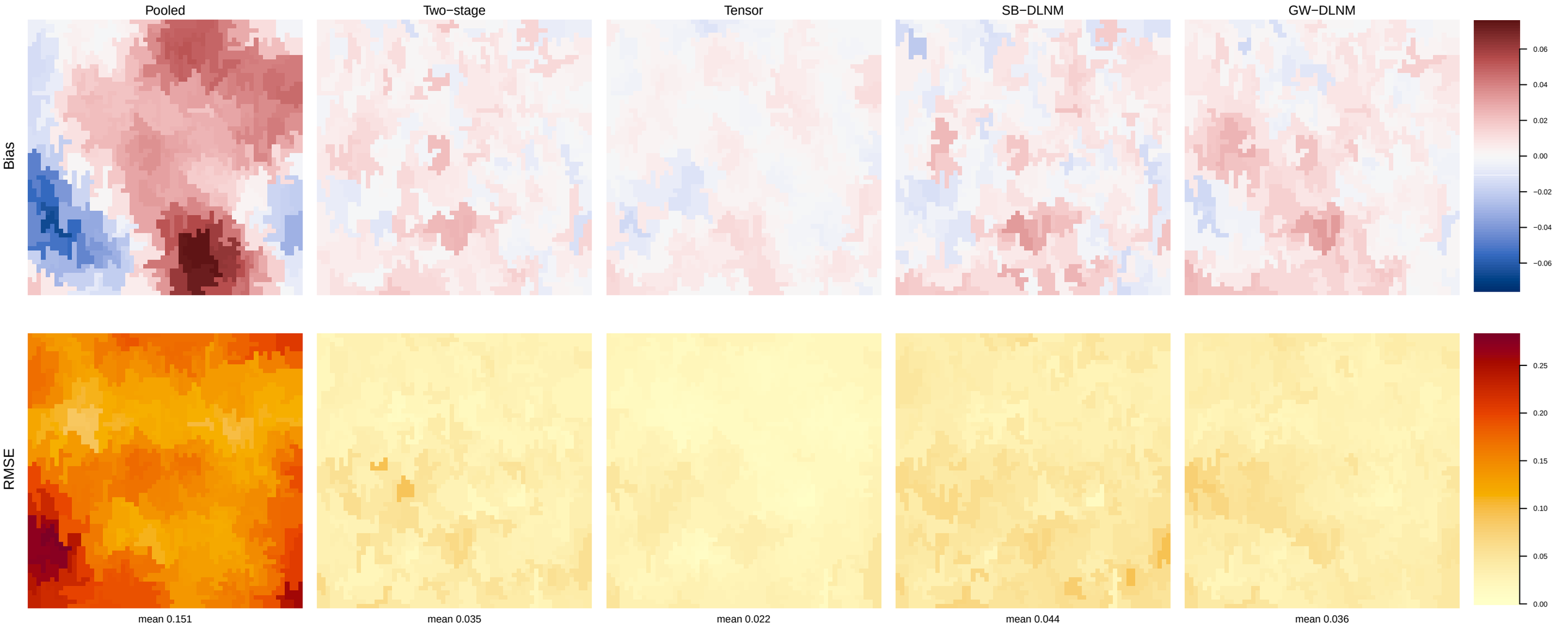
Scenario 601: square region, 240 counties, mild inequality, local pattern, spread 0.30, valley gradient, J exposure−response, event rate 0.5, RR 1.4, harvest lag



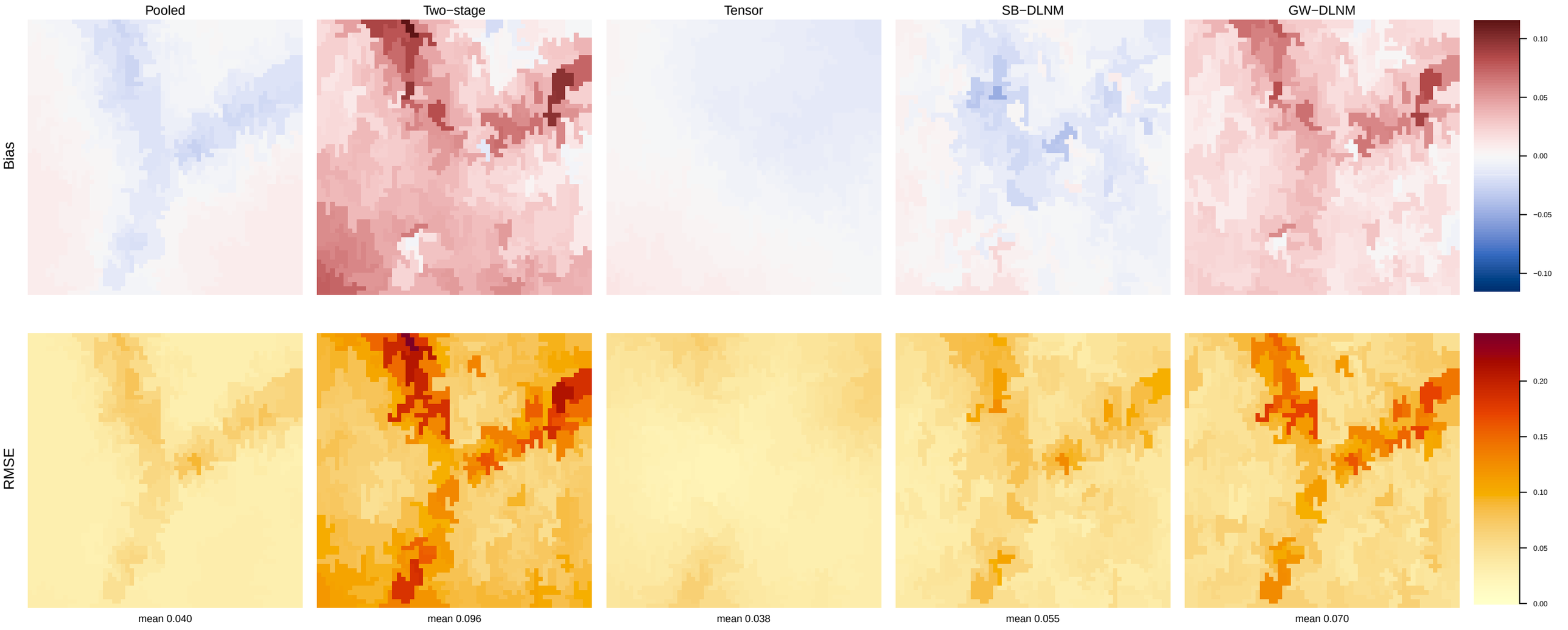
Scenario 793: square region, 240 counties, mild inequality, independent pattern, spread 0.50, edges gradient, linear exposure−response, event rate 0.5, RR 1.6, decay lag



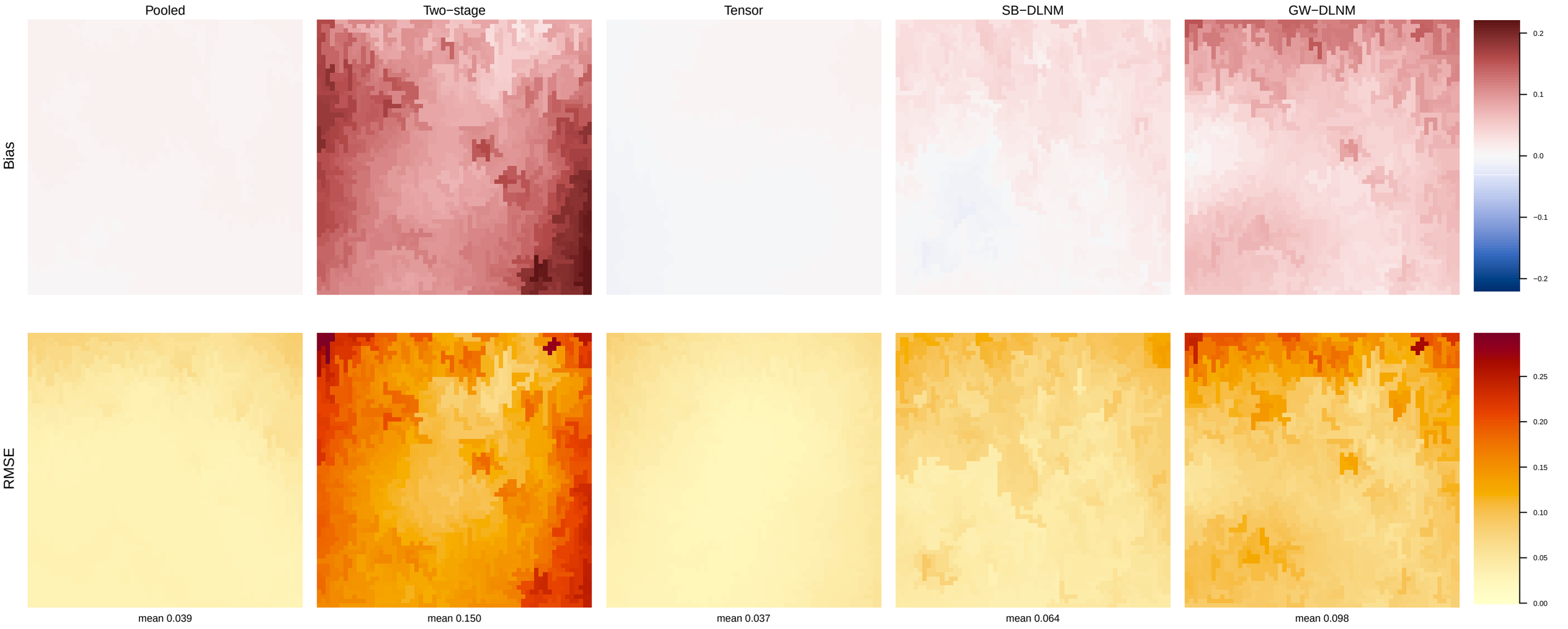
Scenario 985: square region, 240 counties, mild inequality, boundary pattern, spread 0.50, NS gradient, linear exposure−response, event rate 2, RR 1.2, delayed lag



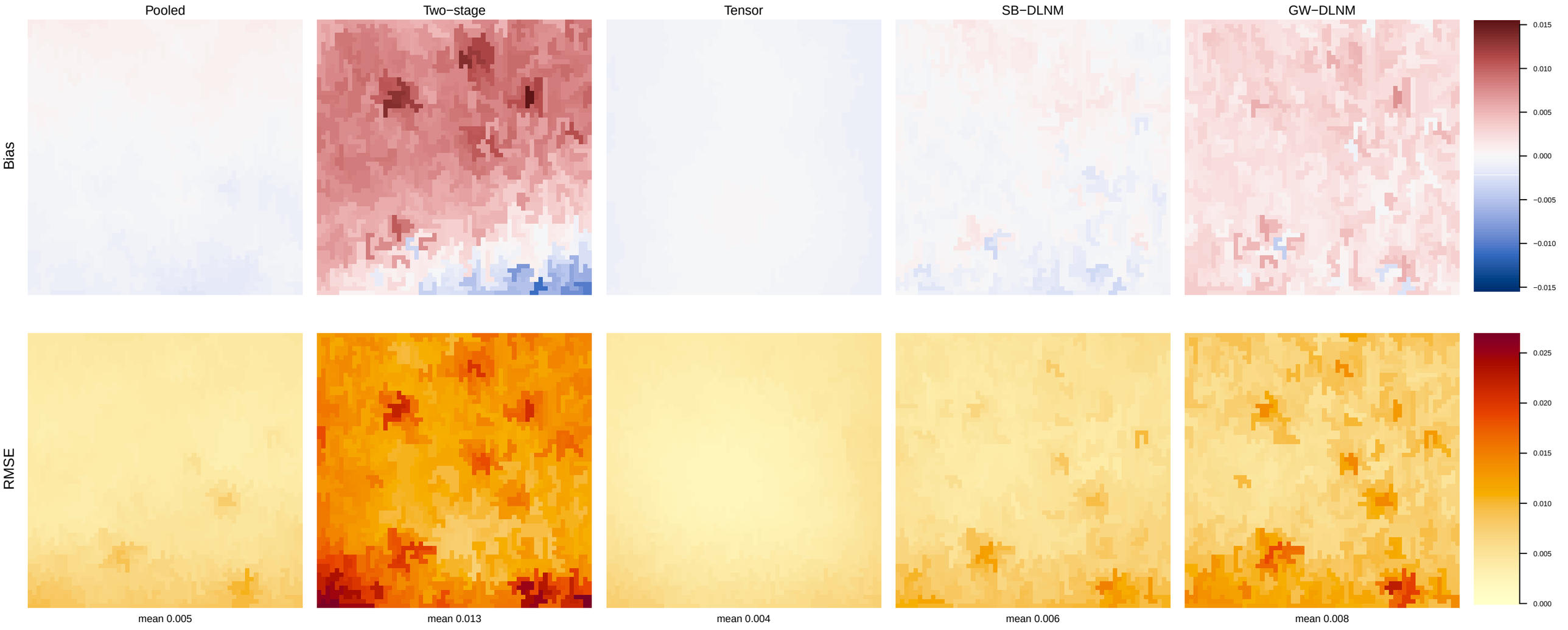
Scenario 921: square region, 240 counties, mild inequality, regional pattern, spread 0.50, ridge gradient, linear exposure−response, event rate 8, RR 1.4, harvest lag



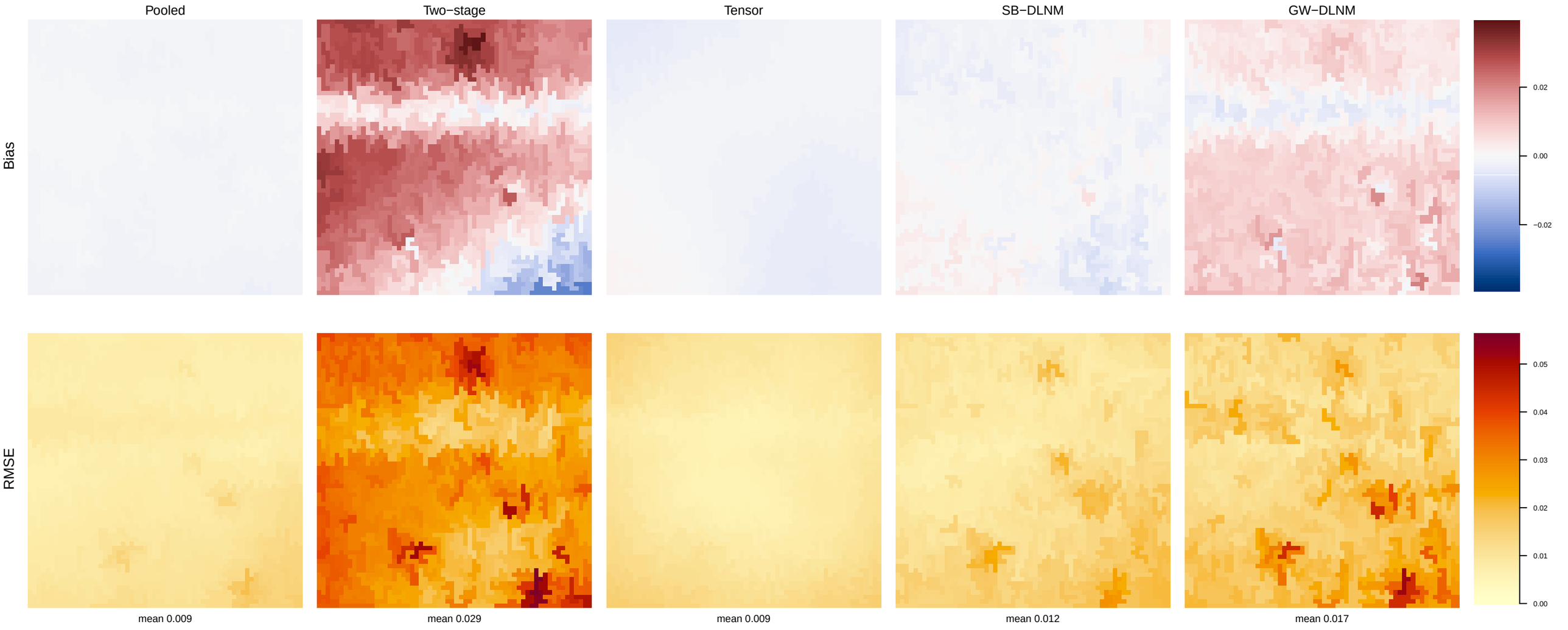
Scenario 857: square region, 240 counties, mild inequality, local pattern, spread 0.50, valley gradient, linear exposure−response, event rate 0.125, RR 1.0, short lag



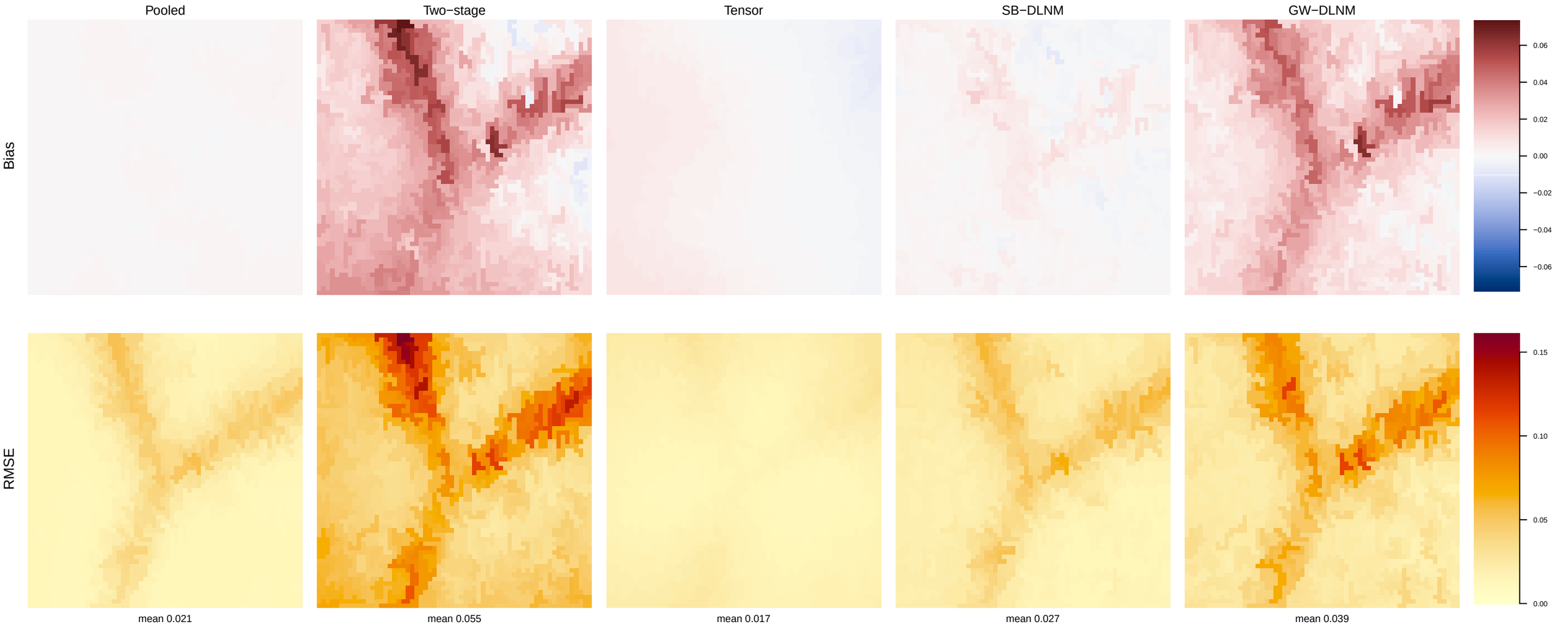
Scenario 13: square region, 480 counties, equal inequality, independent pattern, spread 0.00, edges gradient, linear exposure−response, event rate 0.125, RR 1.6, harvest lag



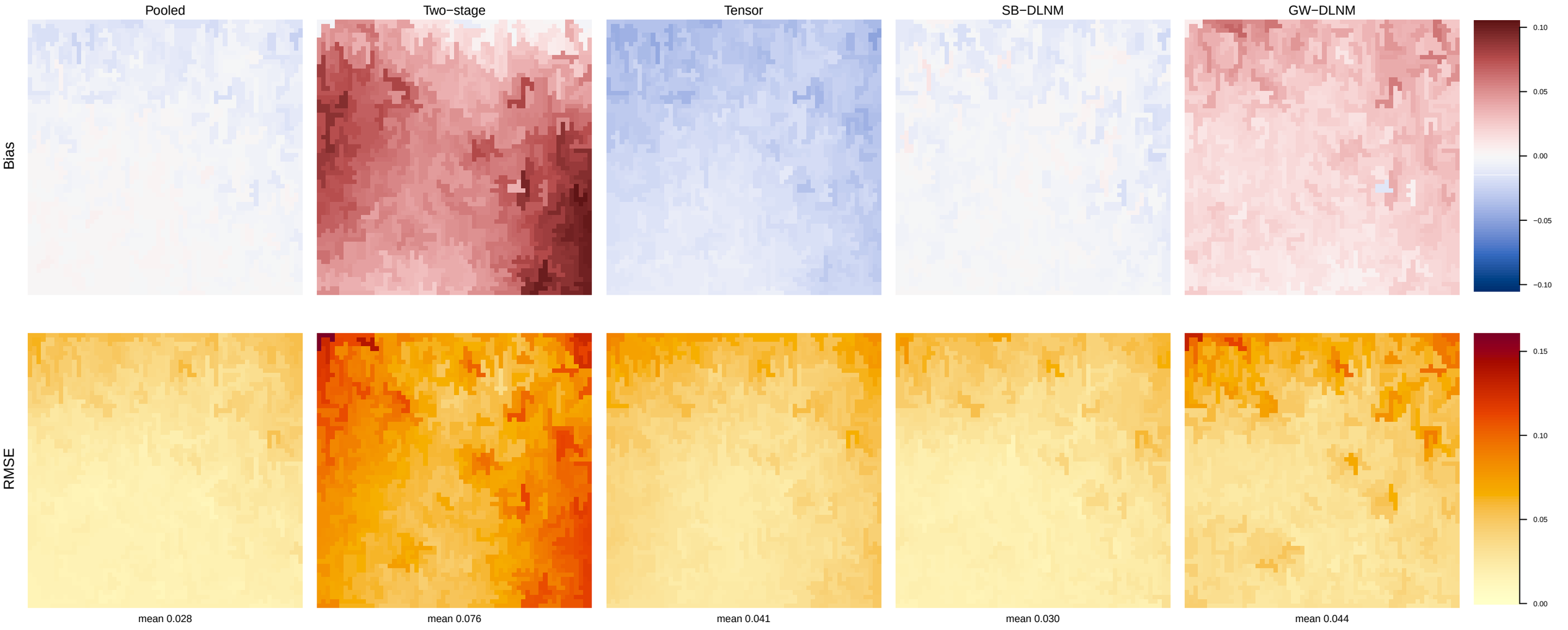
Scenario 205: square region, 480 counties, equal inequality, boundary pattern, spread 0.00, NS gradient, linear exposure−response, event rate 8, RR 1.2, short lag



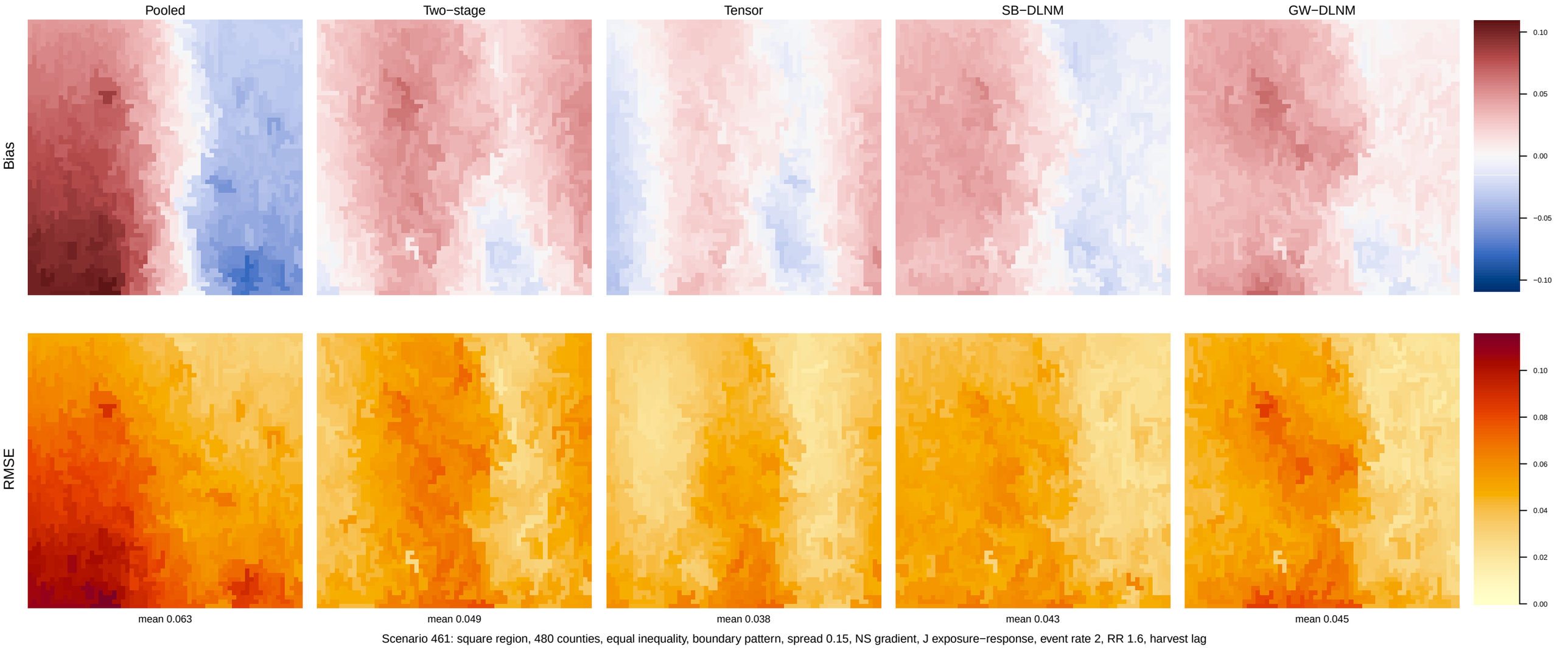
Scenario 141: square region, 480 counties, equal inequality, regional pattern, spread 0.00, ridge gradient, linear exposure−response, event rate 2, RR 1.4, decay lag



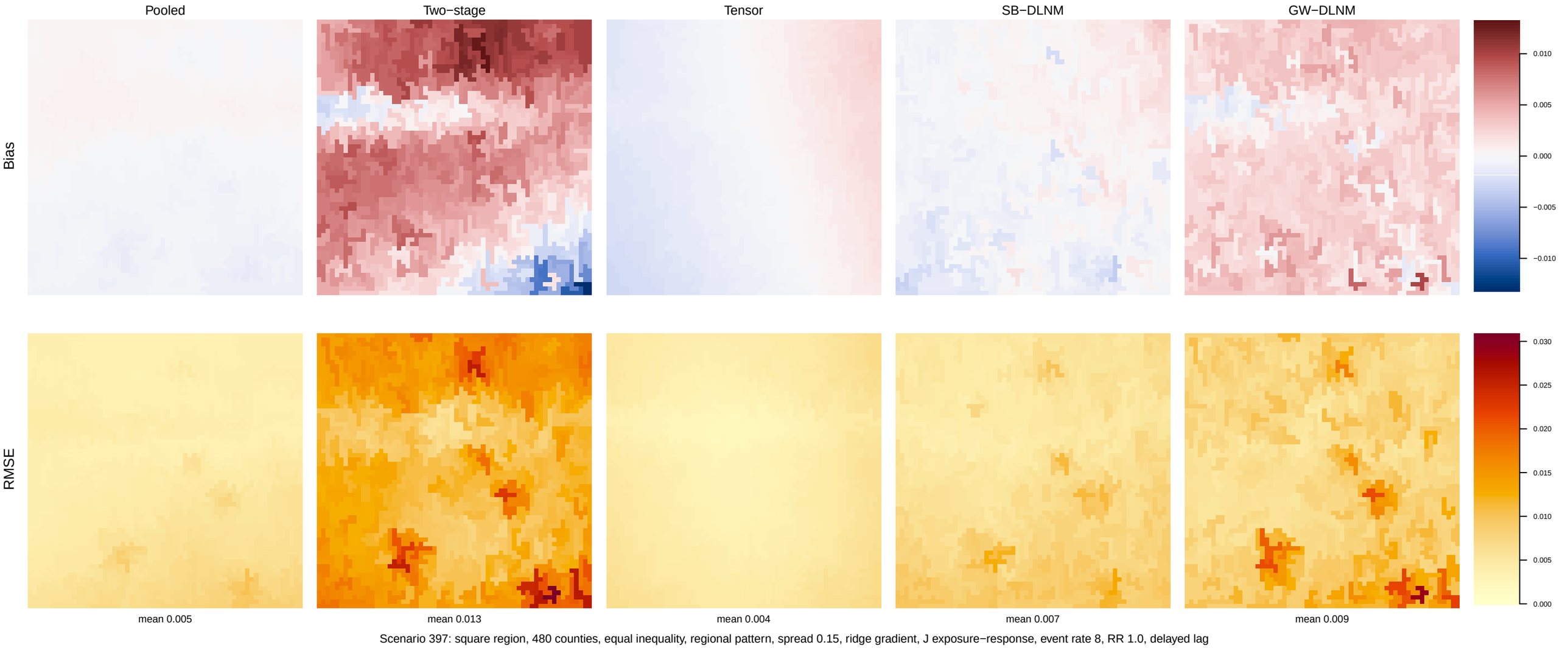
Scenario 77: square region, 480 counties, equal inequality, local pattern, spread 0.00, valley gradient, linear exposure−response, event rate 0.5, RR 1.0, delayed lag



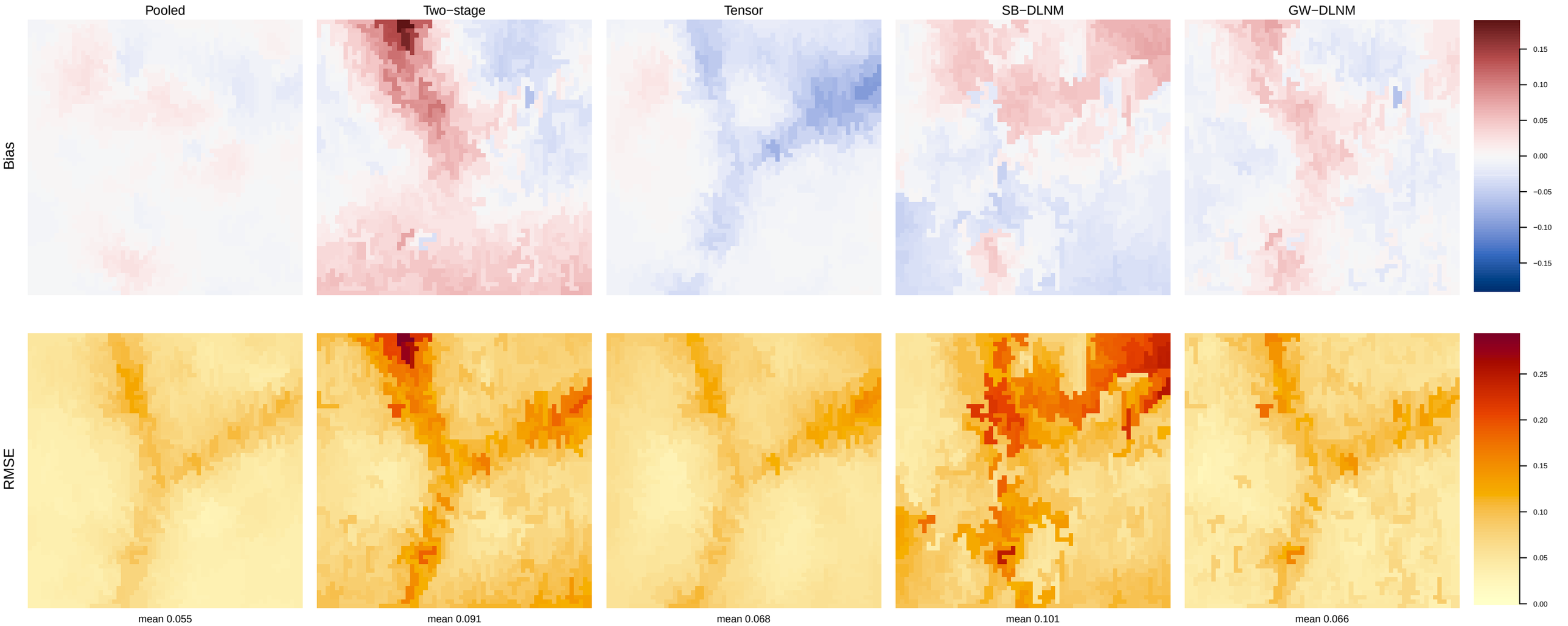
Scenario 269: square region, 480 counties, equal inequality, independent pattern, spread 0.15, edges gradient, J exposure−response, event rate 0.5, RR 1.2, short lag



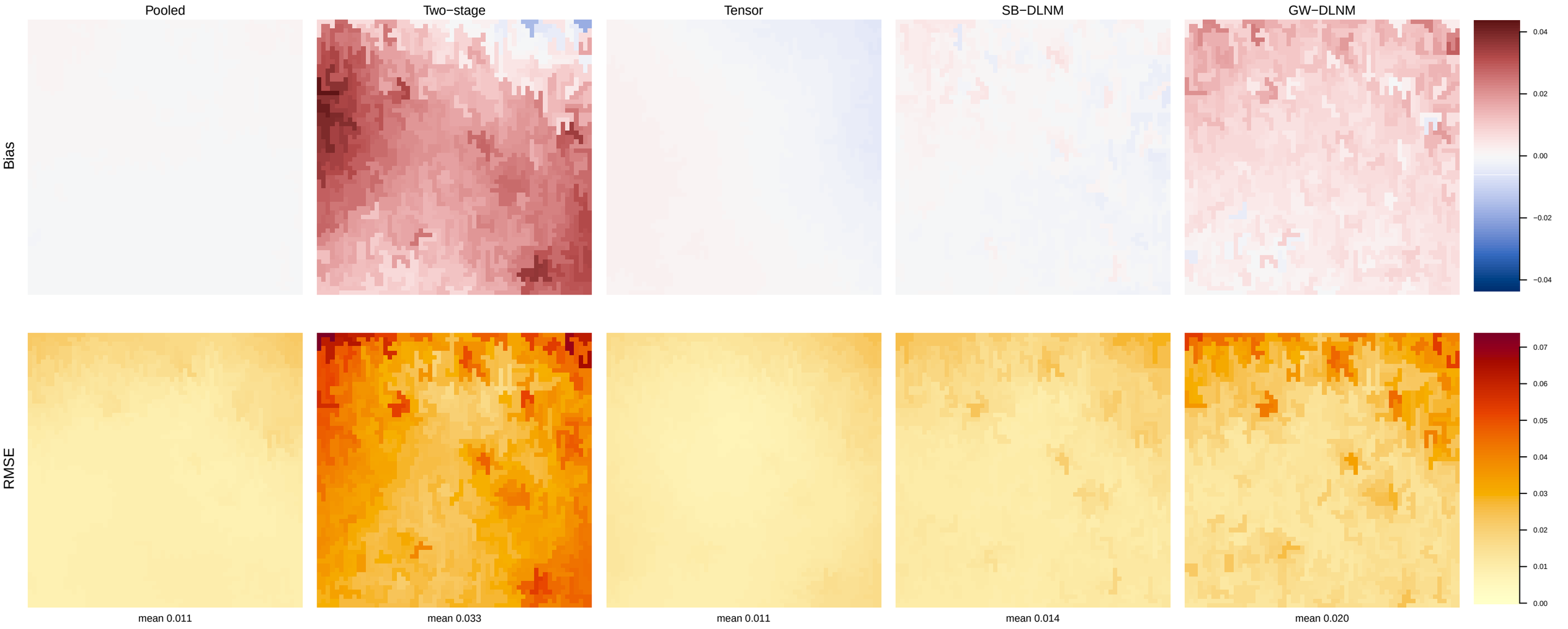
Scenario 461: square region, 480 counties, equal inequality, boundary pattern, spread 0.15, NS gradient, J exposure−response, event rate 2, RR 1.6, harvest lag



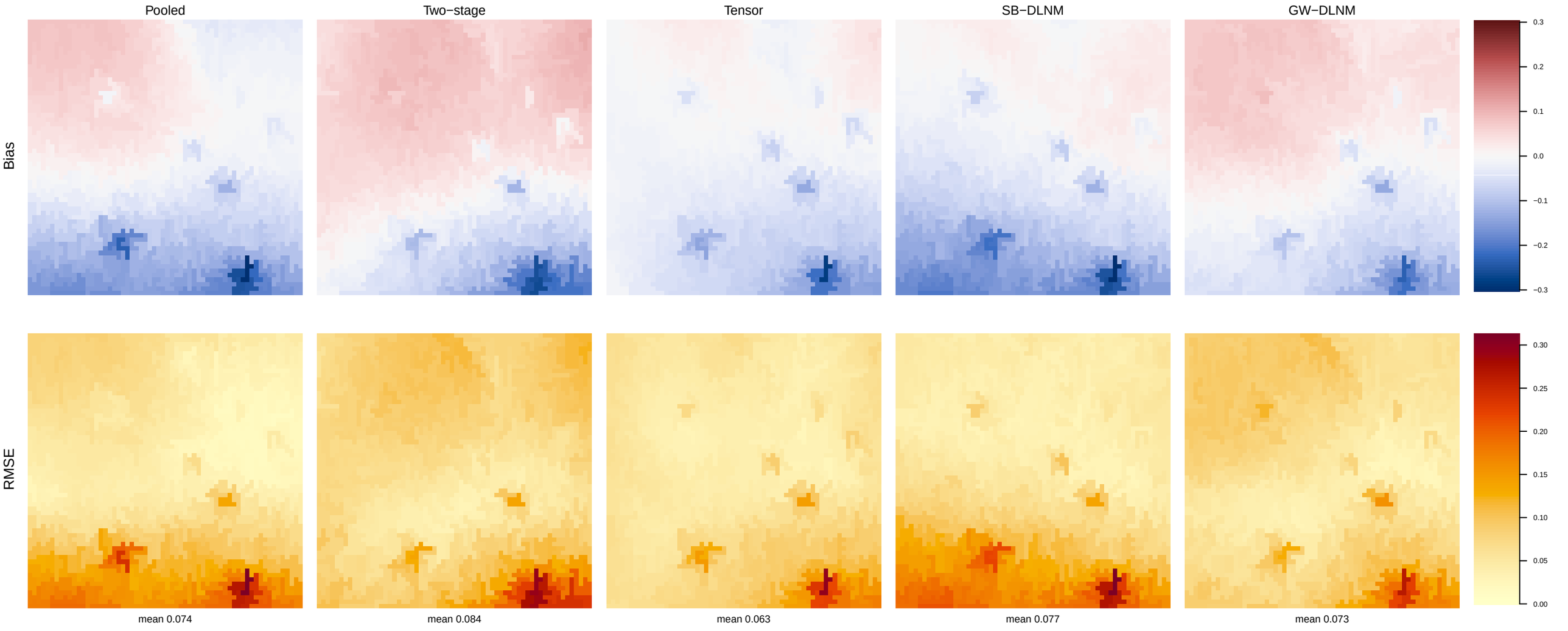
Scenario 397: square region, 480 counties, equal inequality, regional pattern, spread 0.15, ridge gradient, J exposure−response, event rate 8, RR 1.0, delayed lag



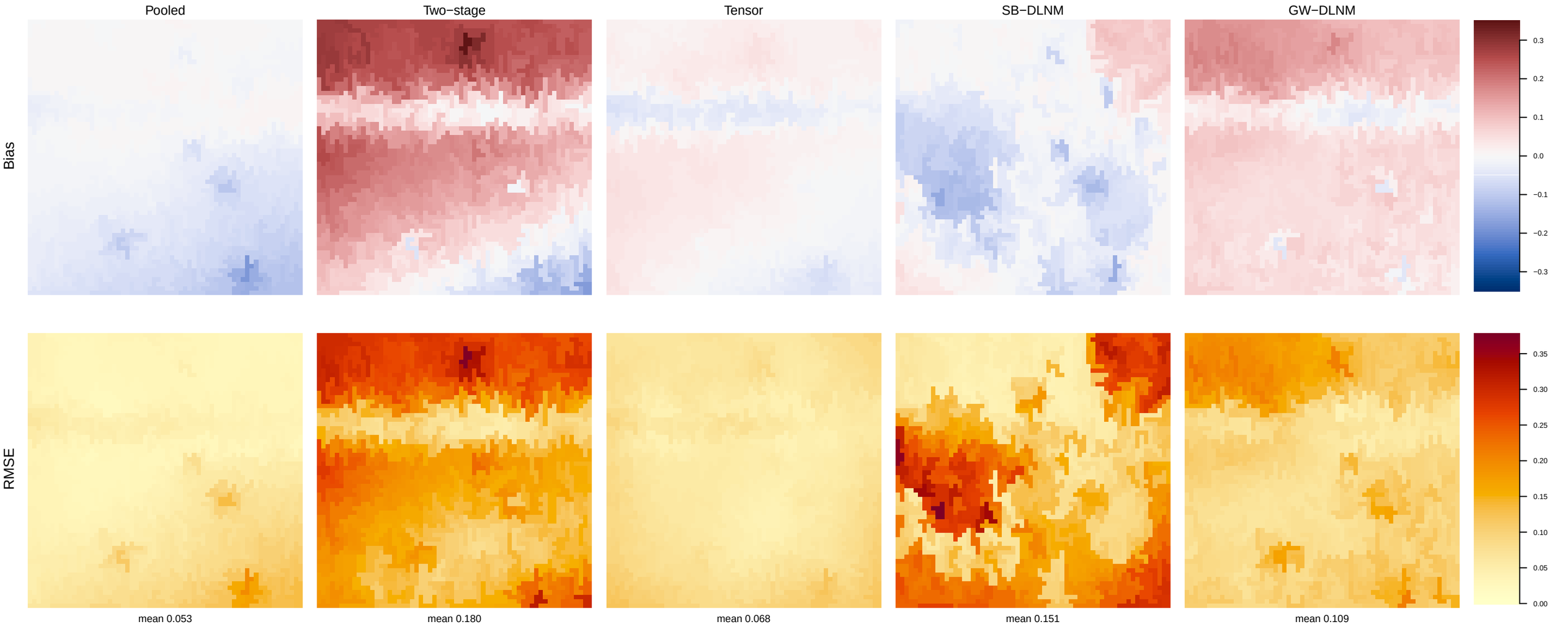
Scenario 333: square region, 480 counties, equal inequality, local pattern, spread 0.15, valley gradient, J exposure−response, event rate 0.125, RR 1.4, decay lag



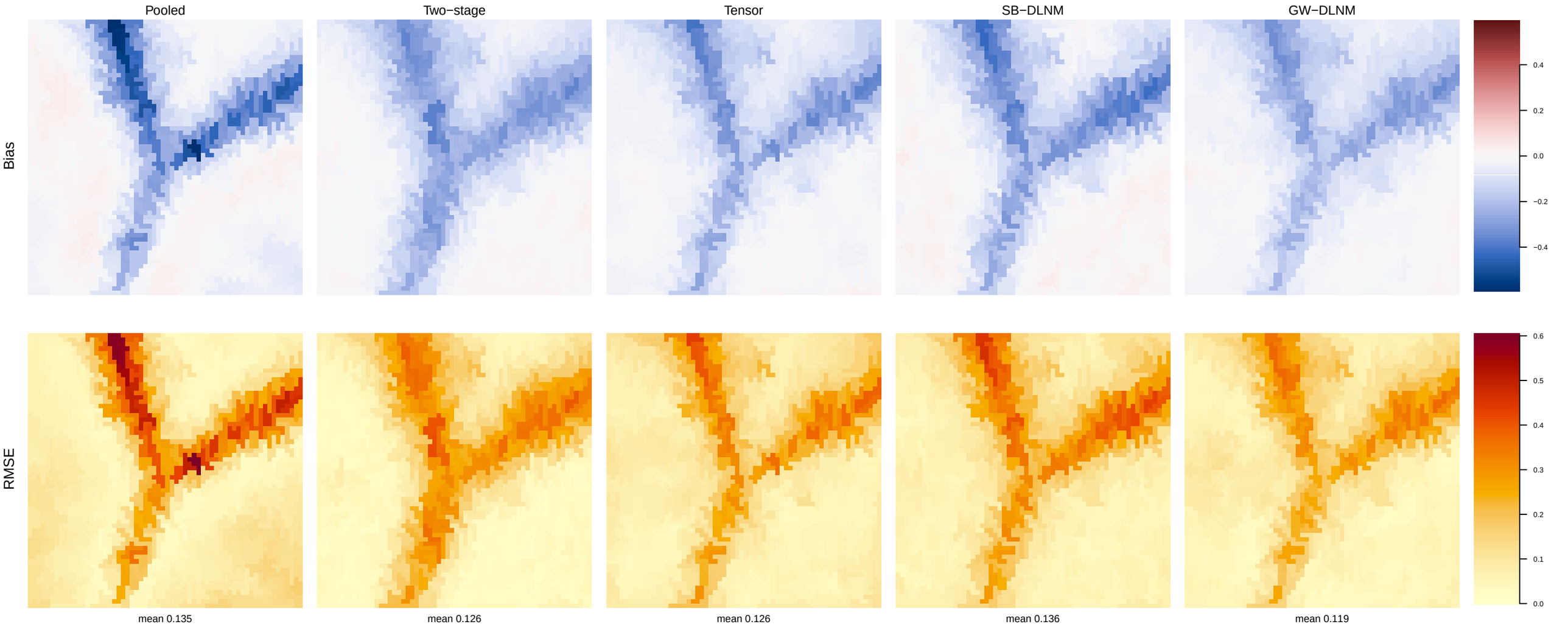
Scenario 525: square region, 480 counties, equal inequality, independent pattern, spread 0.30, edges gradient, unimodal exposure−response, event rate 2, RR 1.0, delayed lag



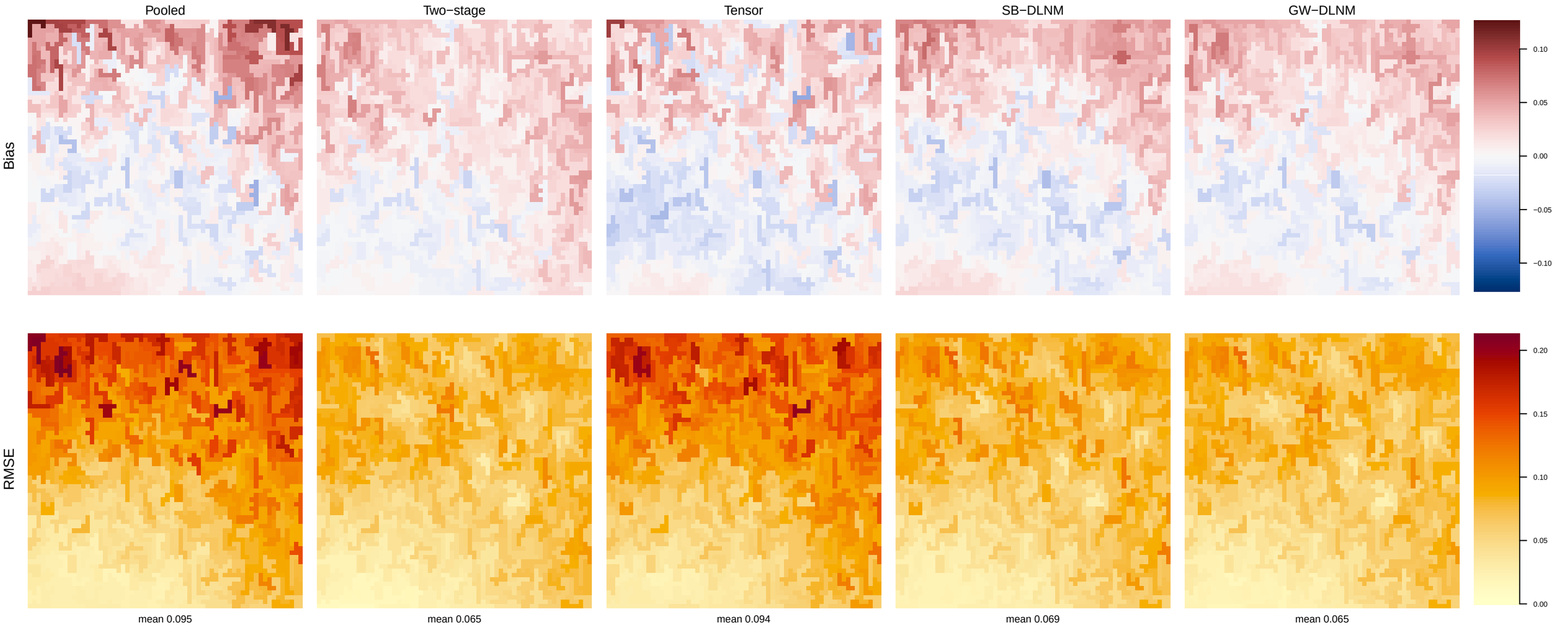
Scenario 717: square region, 480 counties, equal inequality, boundary pattern, spread 0.30, NS gradient, unimodal exposure−response, event rate 0.5, RR 1.4, decay lag



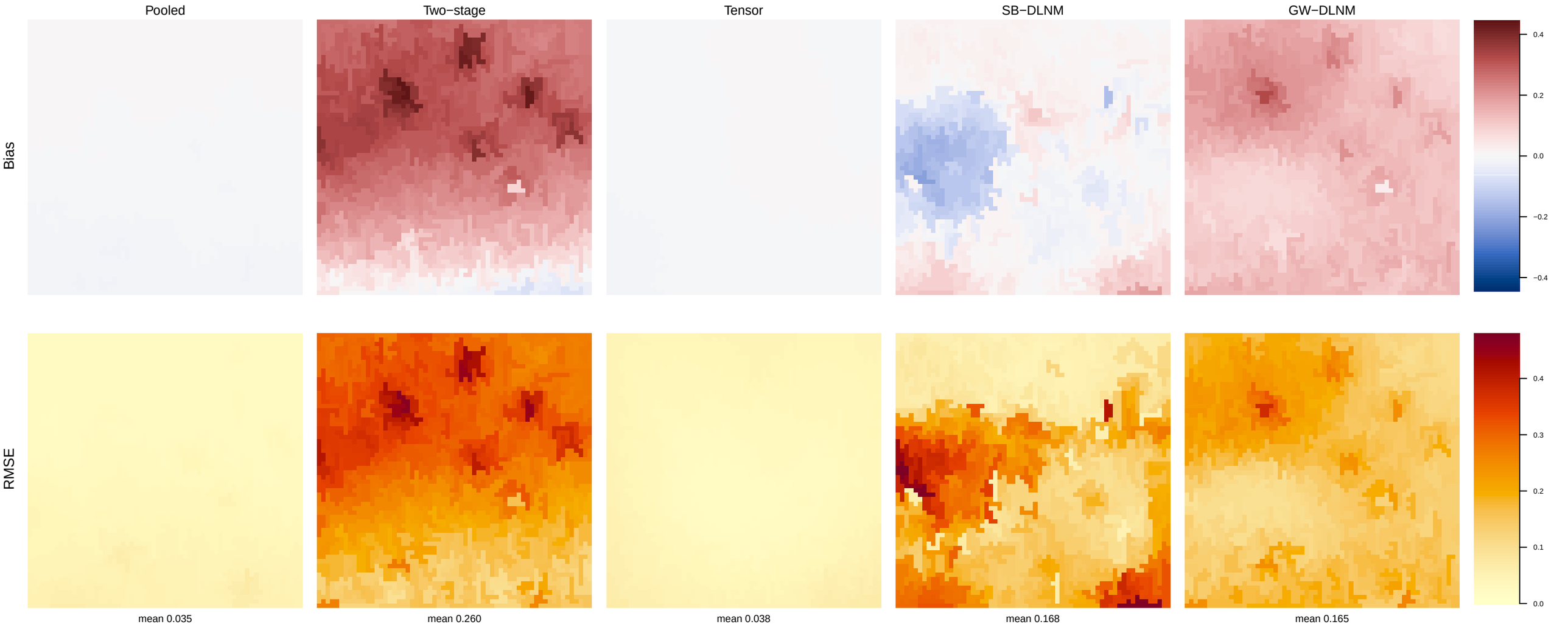
Scenario 653: square region, 480 counties, equal inequality, regional pattern, spread 0.30, ridge gradient, unimodal exposure−response, event rate 0.125, RR 1.2, short lag



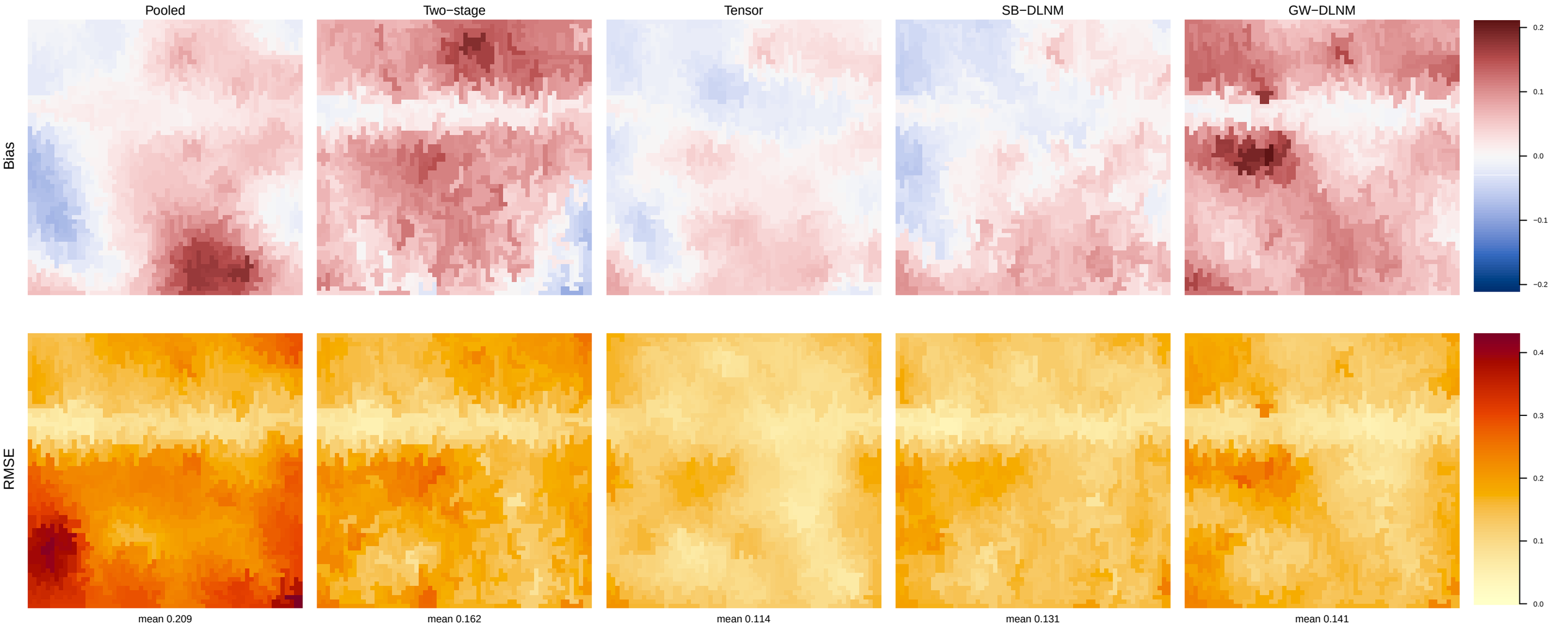
Scenario 589: square region, 480 counties, equal inequality, local pattern, spread 0.30, valley gradient, unimodal exposure−response, event rate 8, RR 1.6, harvest lag



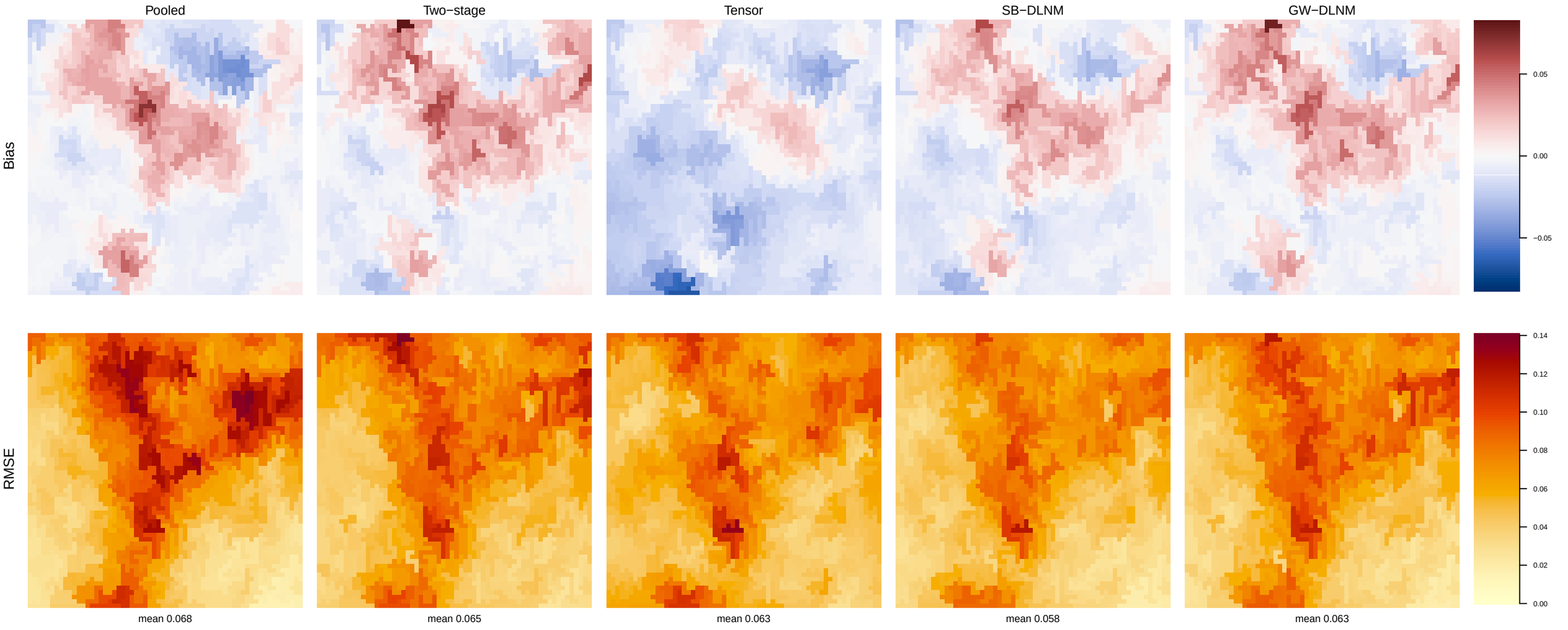
Scenario 781: square region, 480 counties, equal inequality, independent pattern, spread 0.50, edges gradient, threshold exposure−response, event rate 8, RR 1.4, decay lag



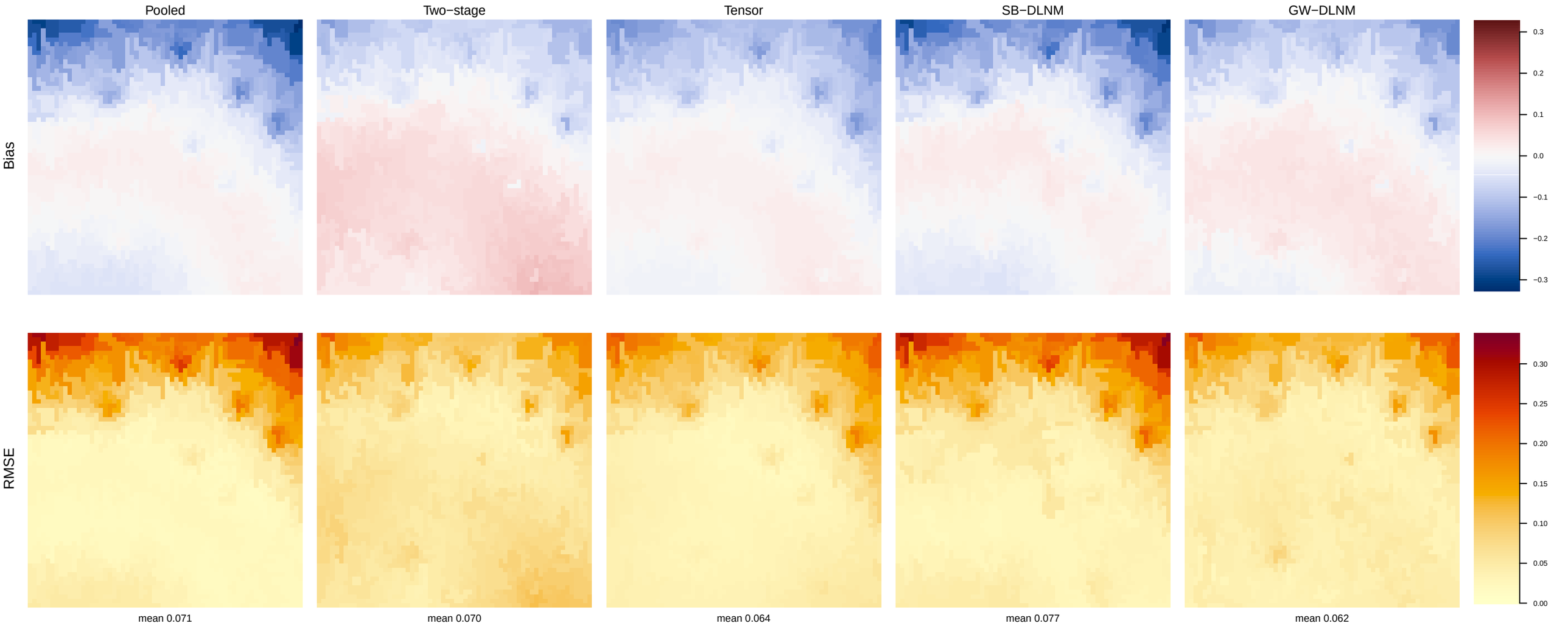
Scenario 973: square region, 480 counties, equal inequality, boundary pattern, spread 0.50, NS gradient, threshold exposure−response, event rate 0.125, RR 1.0, delayed lag



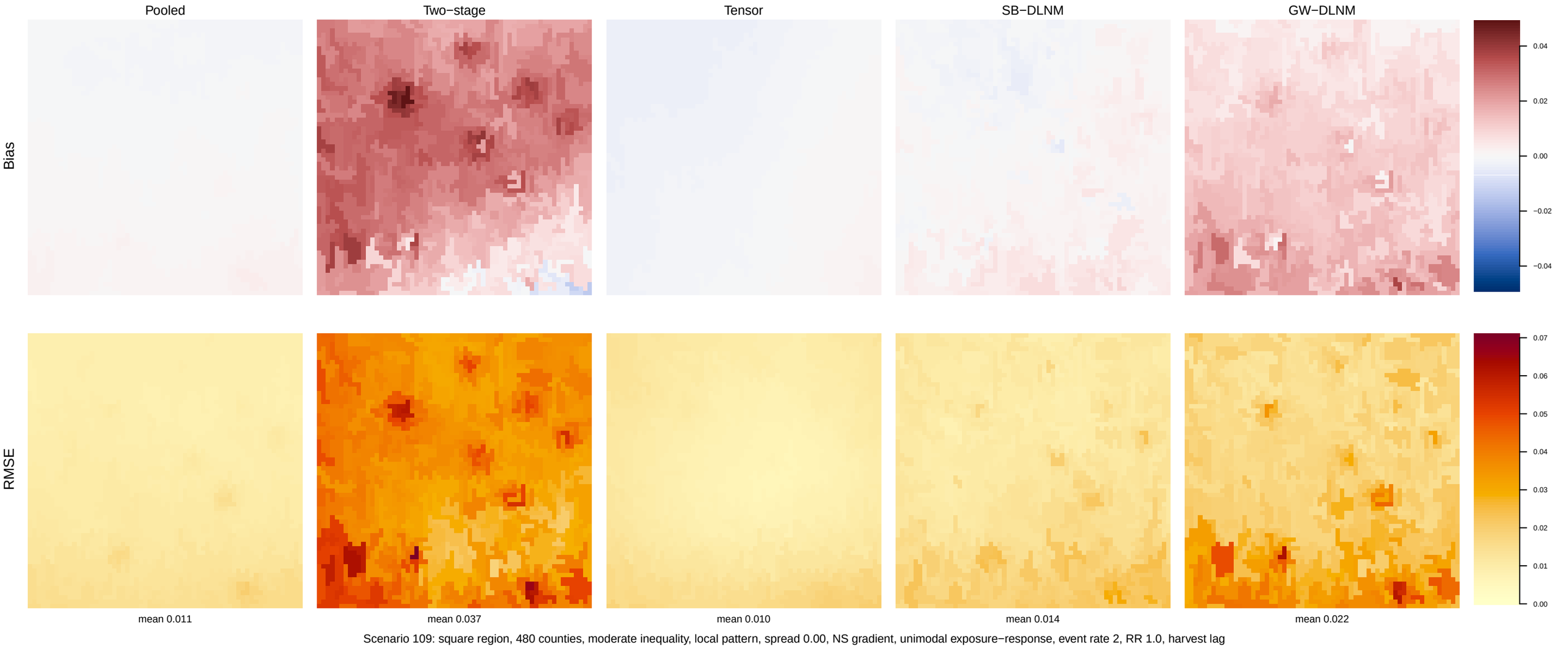
Scenario 909: square region, 480 counties, equal inequality, regional pattern, spread 0.50, ridge gradient, threshold exposure−response, event rate 0.5, RR 1.6, harvest lag



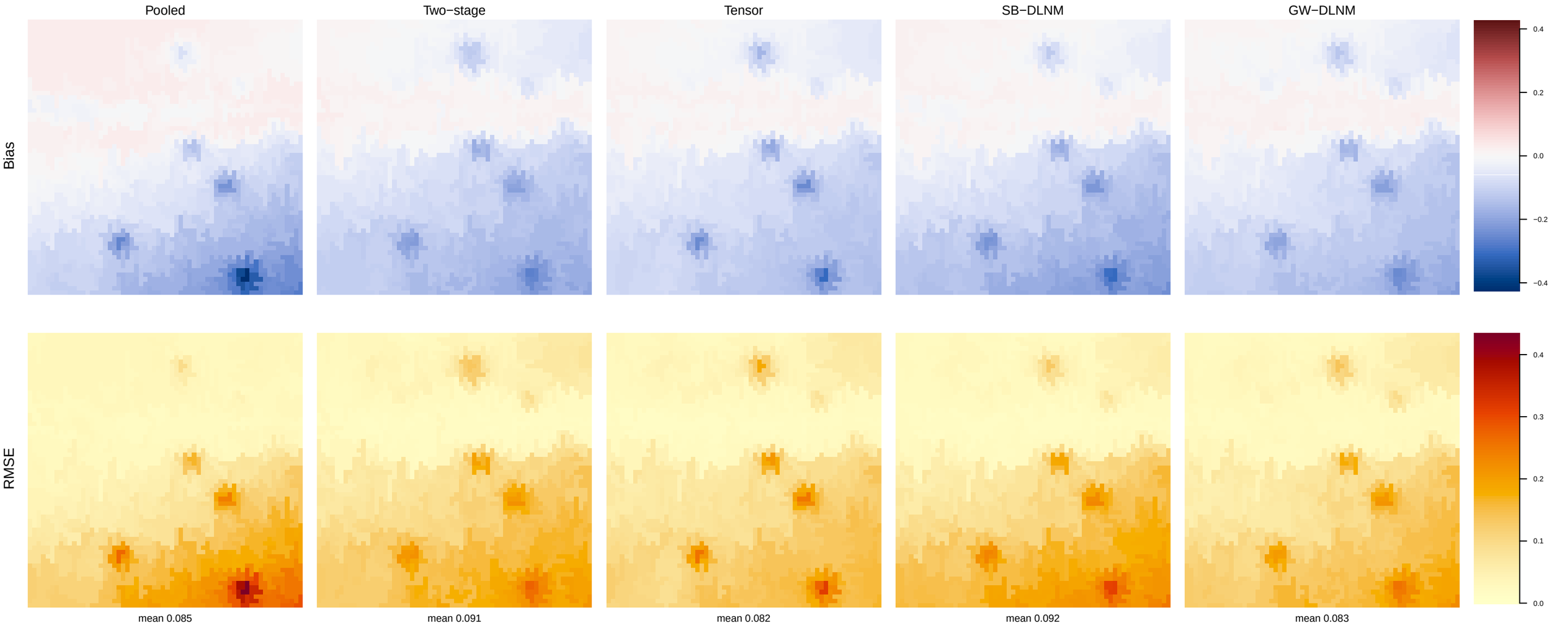
Scenario 845: square region, 480 counties, equal inequality, local pattern, spread 0.50, valley gradient, threshold exposure−response, event rate 2, RR 1.2, short lag



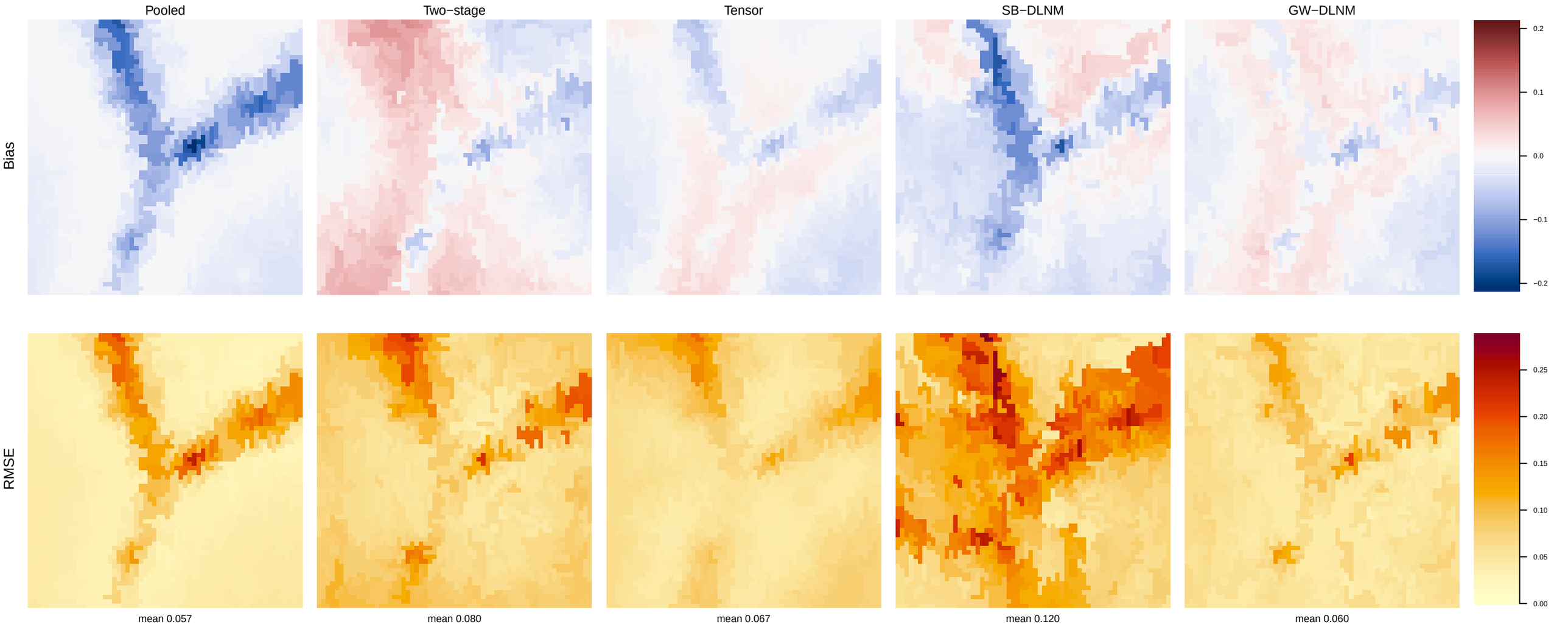
Scenario 173: square region, 480 counties, moderate inequality, regional pattern, spread 0.00, edges gradient, unimodal exposure−response, event rate 0.5, RR 1.4, short lag



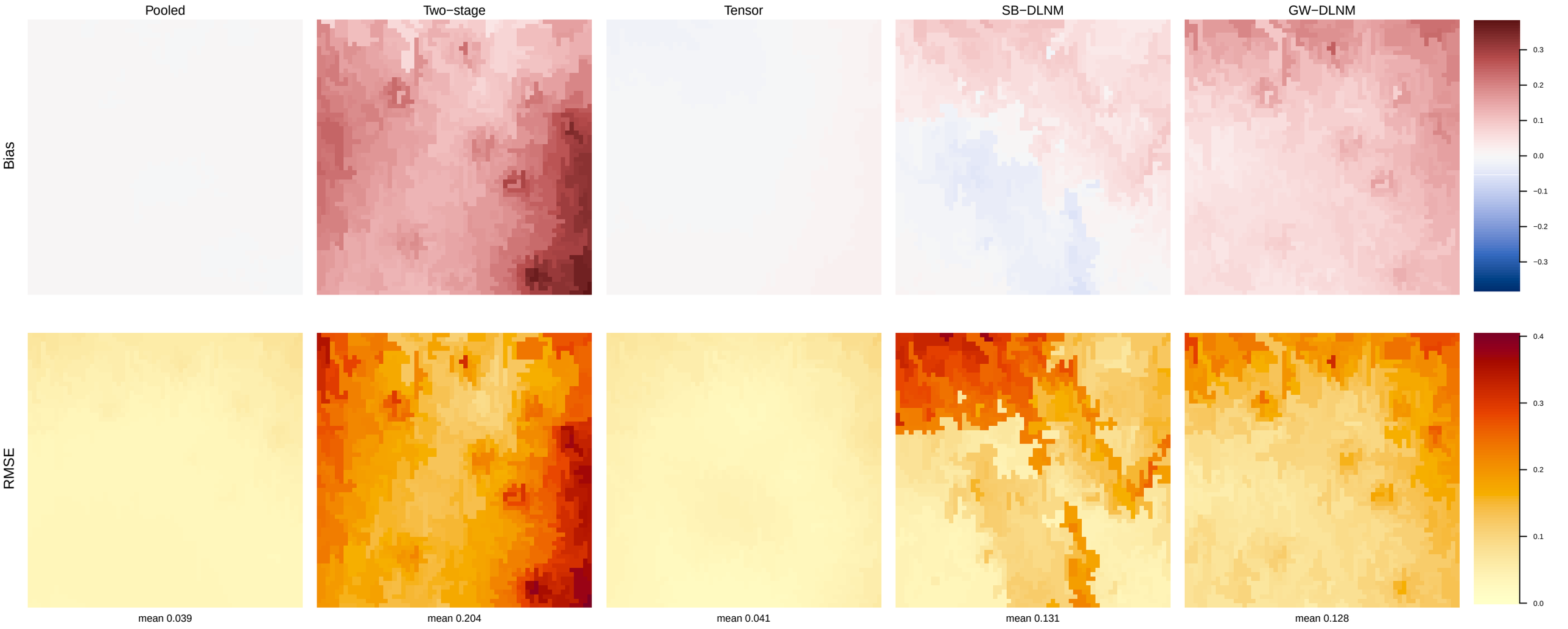
Scenario 109: square region, 480 counties, moderate inequality, local pattern, spread 0.00, NS gradient, unimodal exposure−response, event rate 2, RR 1.0, harvest lag



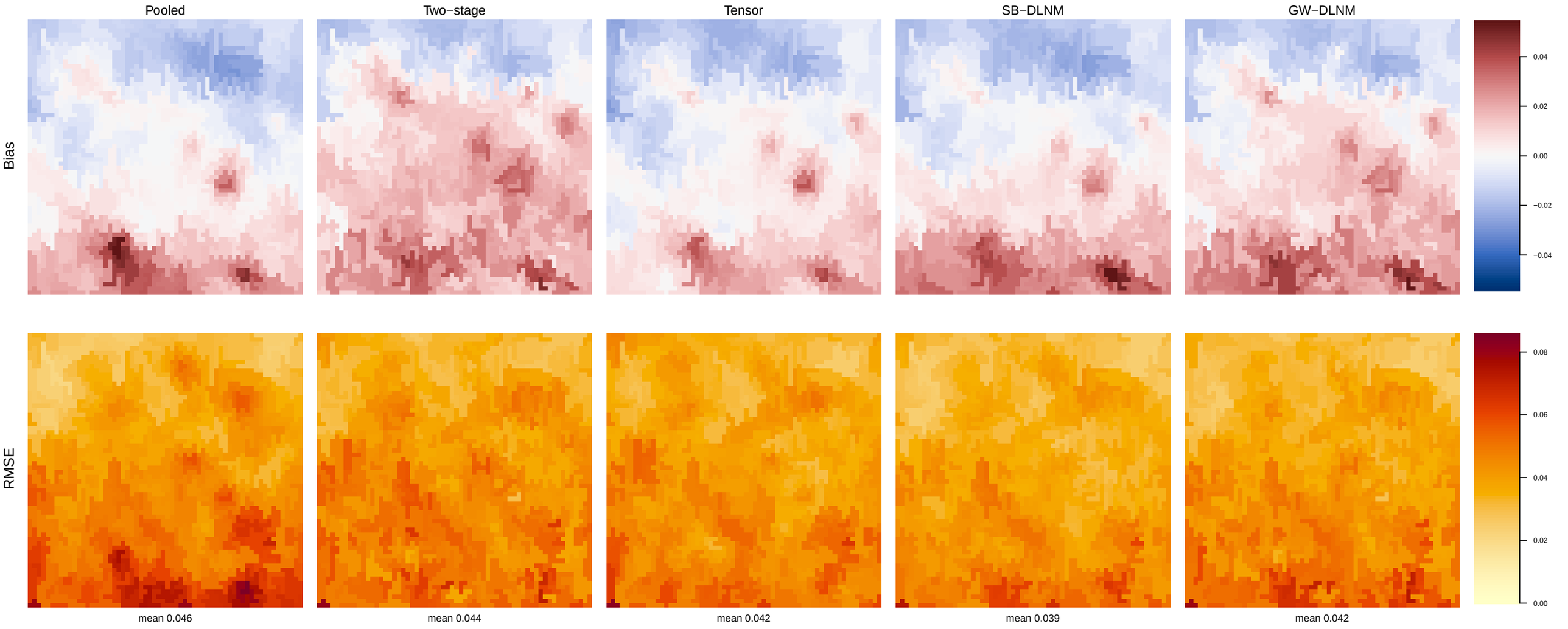
Scenario 45: square region, 480 counties, moderate inequality, independent pattern, spread 0.00, ridge gradient, unimodal exposure−response, event rate 8, RR 1.6, delayed lag



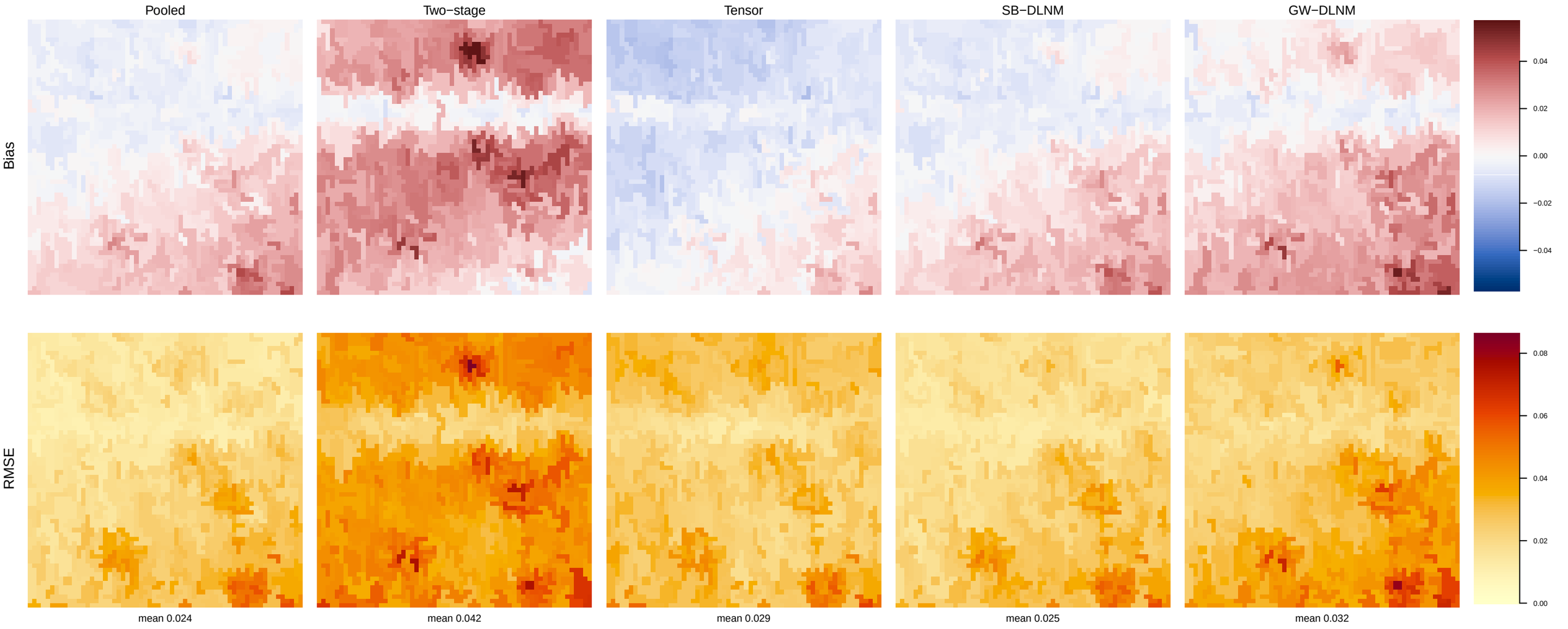
Scenario 237: square region, 480 counties, moderate inequality, boundary pattern, spread 0.00, valley gradient, unimodal exposure−response, event rate 0.125, RR 1.2, decay lag



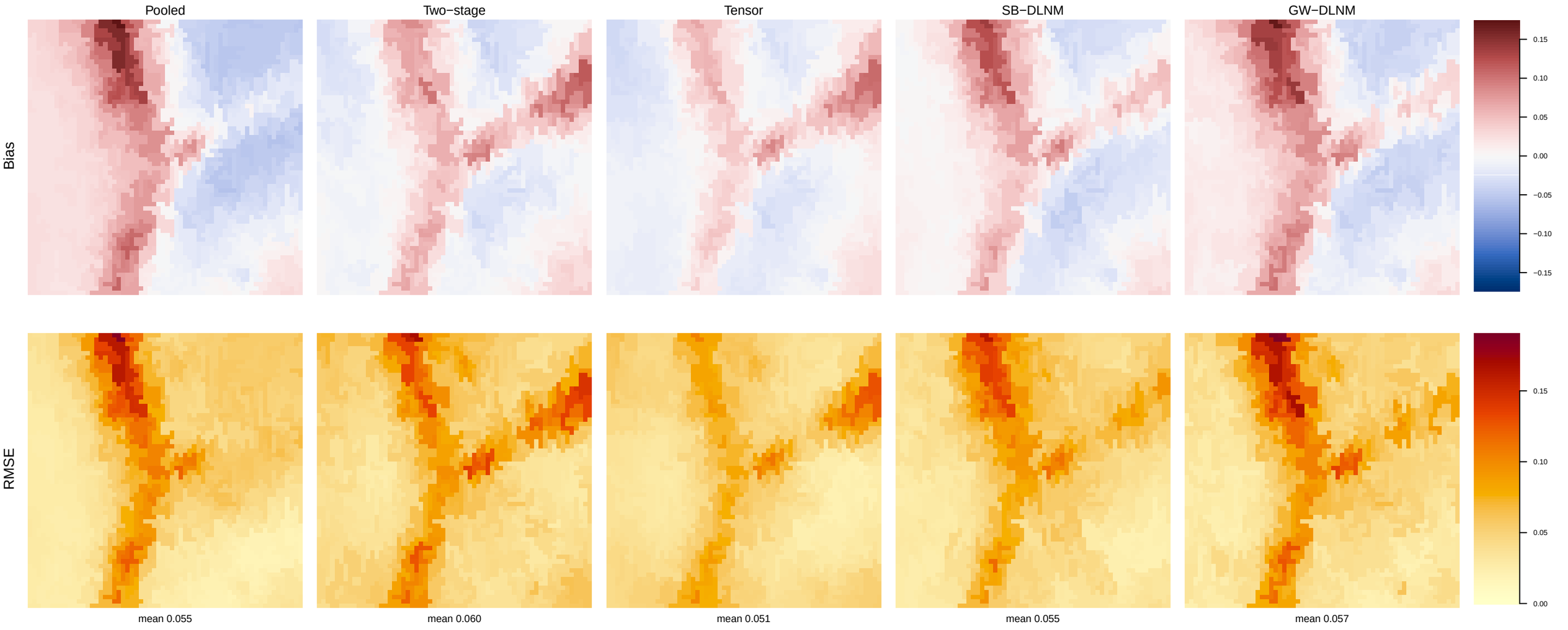
Scenario 429: square region, 480 counties, moderate inequality, regional pattern, spread 0.15, edges gradient, threshold exposure−response, event rate 0.125, RR 1.0, harvest lag



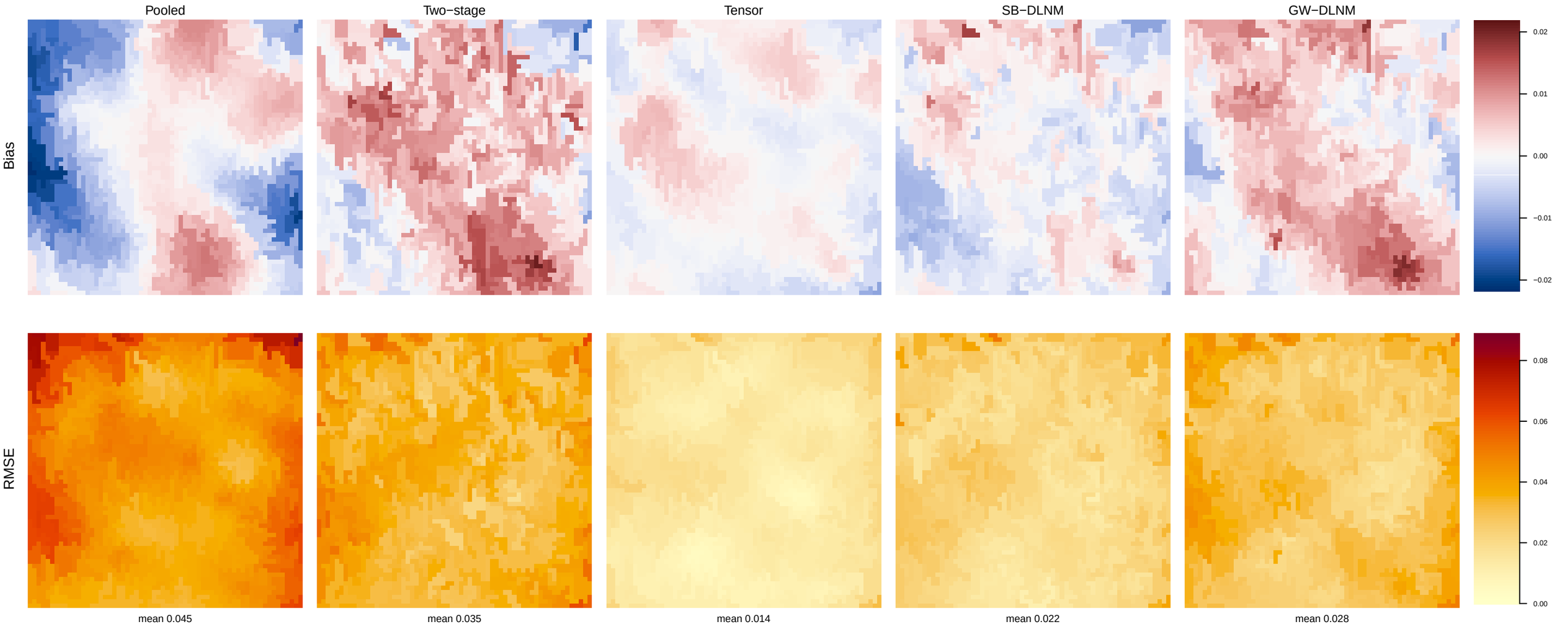
Scenario 365: square region, 480 counties, moderate inequality, local pattern, spread 0.15, NS gradient, threshold exposure−response, event rate 8, RR 1.4, short lag



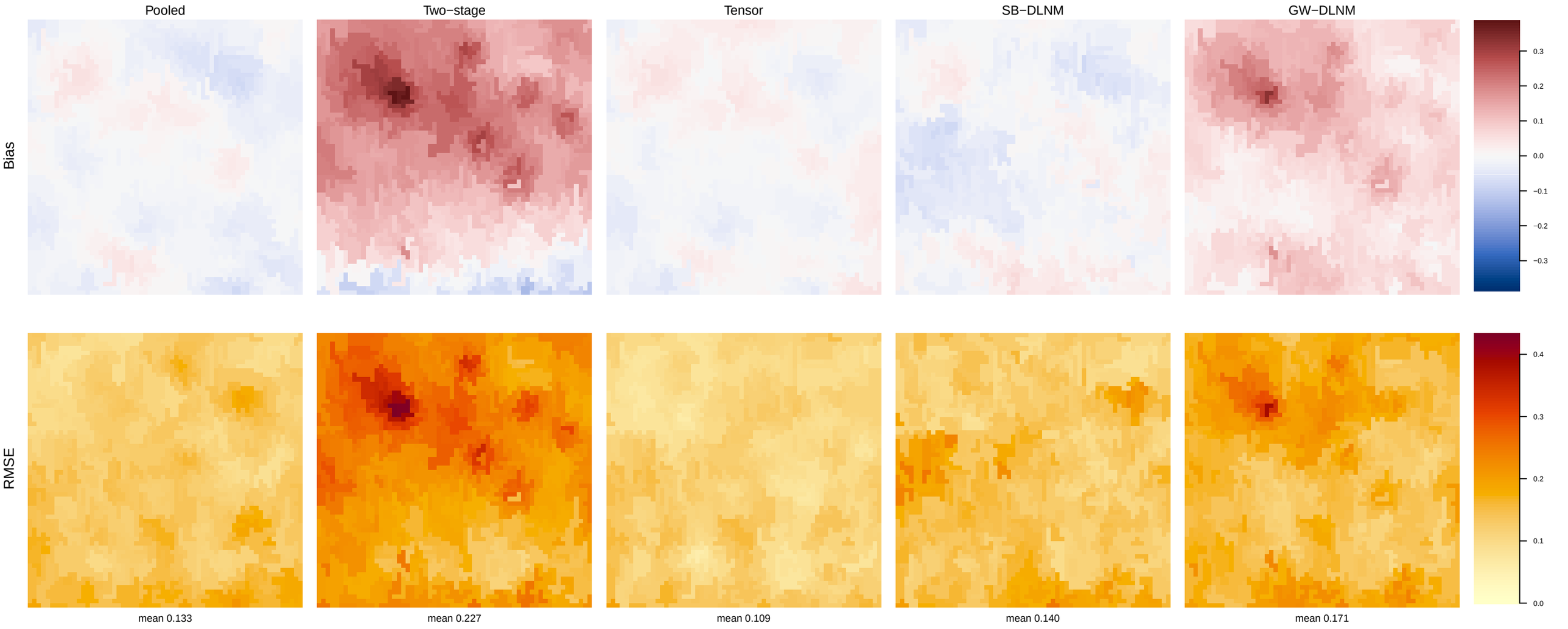
Scenario 301: square region, 480 counties, moderate inequality, independent pattern, spread 0.15, ridge gradient, threshold exposure−response, event rate 2, RR 1.2, decay lag



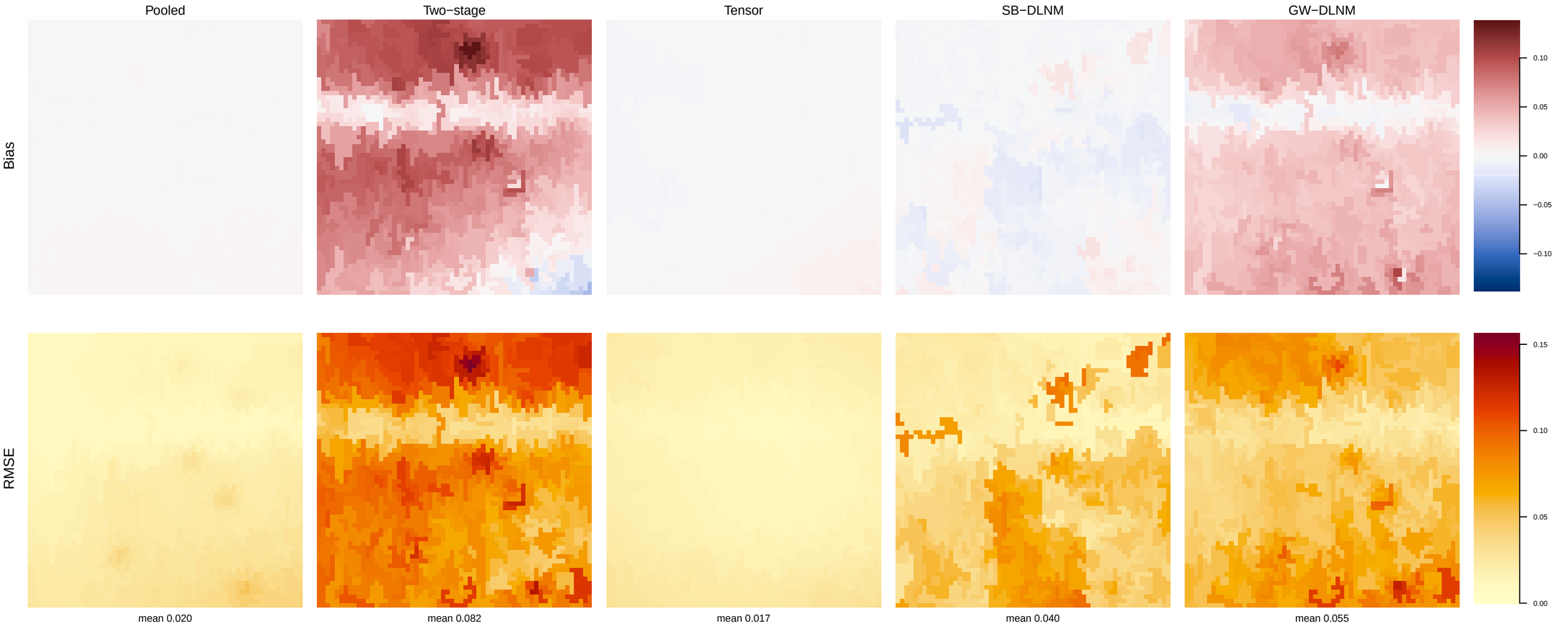
Scenario 493: square region, 480 counties, moderate inequality, boundary pattern, spread 0.15, valley gradient, threshold exposure−response, event rate 0.5, RR 1.6, delayed lag



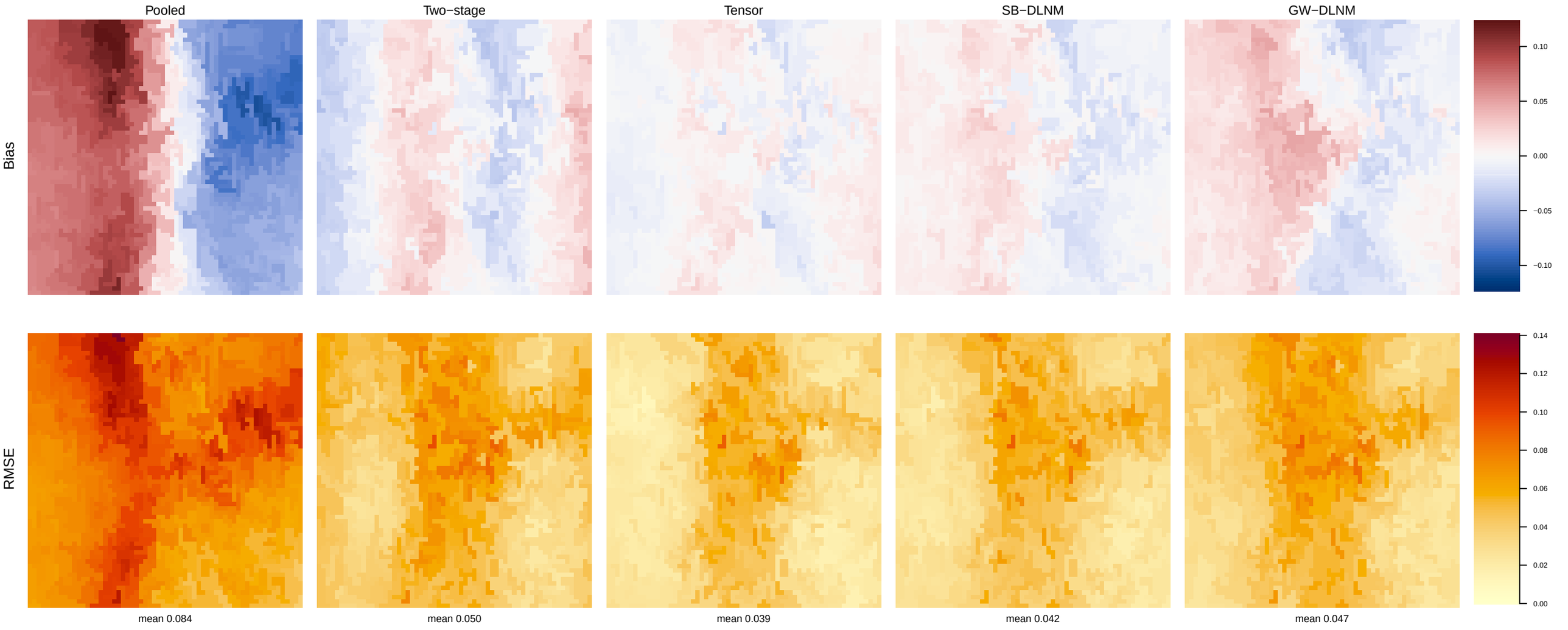
Scenario 685: square region, 480 counties, moderate inequality, regional pattern, spread 0.30, edges gradient, linear exposure−response, event rate 8, RR 1.2, decay lag



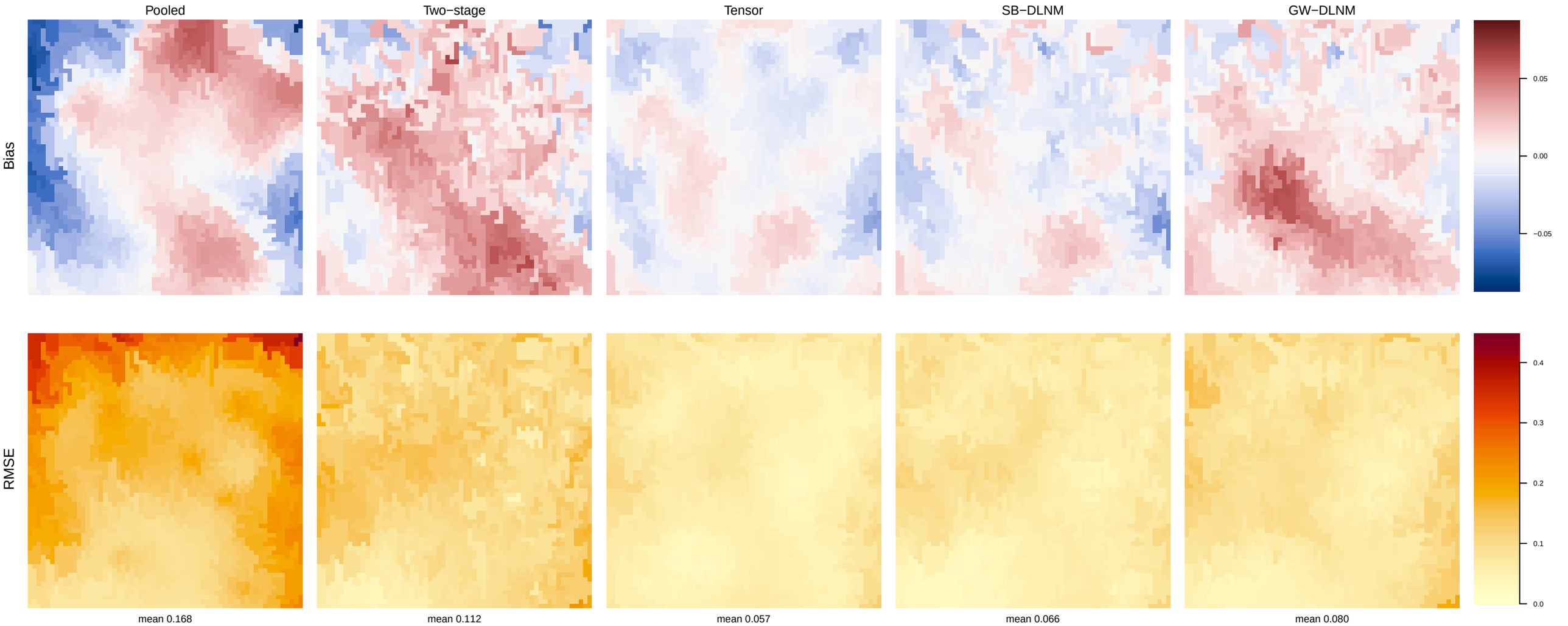
Scenario 621: square region, 480 counties, moderate inequality, local pattern, spread 0.30, NS gradient, linear exposure−response, event rate 0.125, RR 1.6, delayed lag



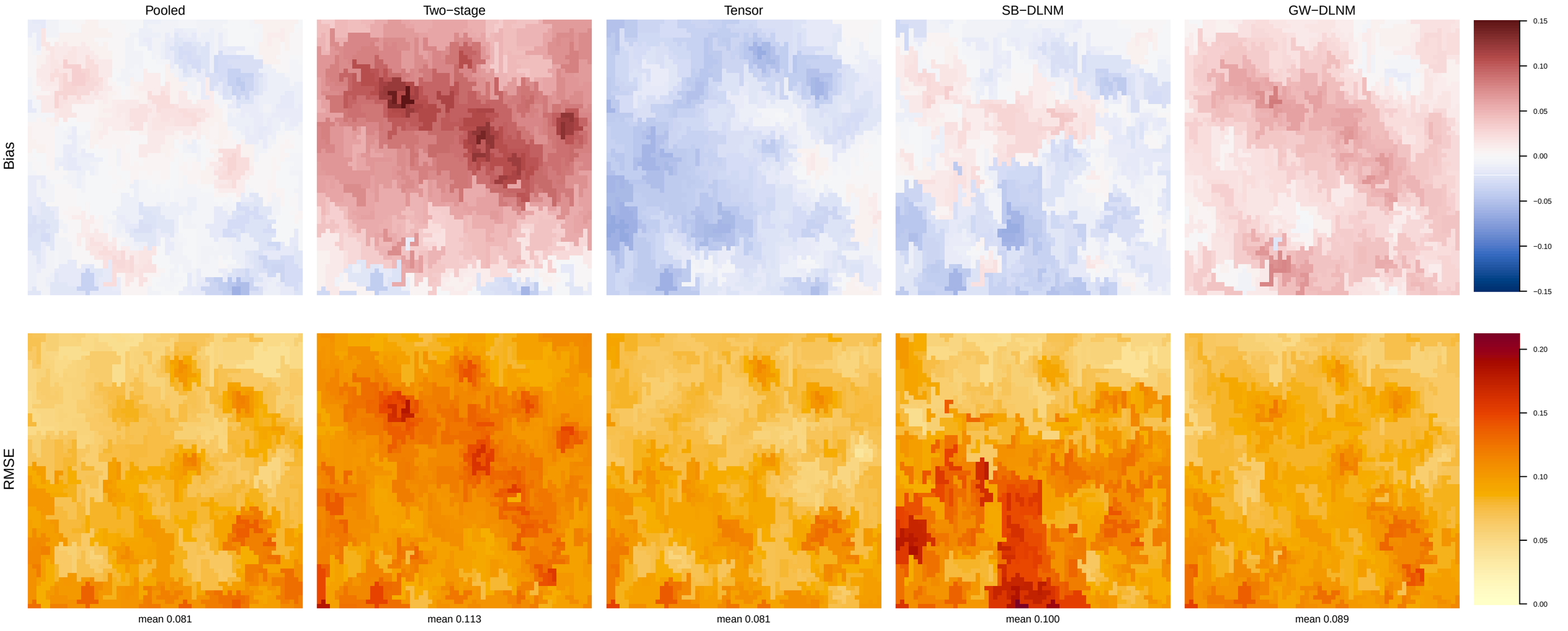
Scenario 557: square region, 480 counties, moderate inequality, independent pattern, spread 0.30, ridge gradient, linear exposure−response, event rate 0.5, RR 1.0, harvest lag



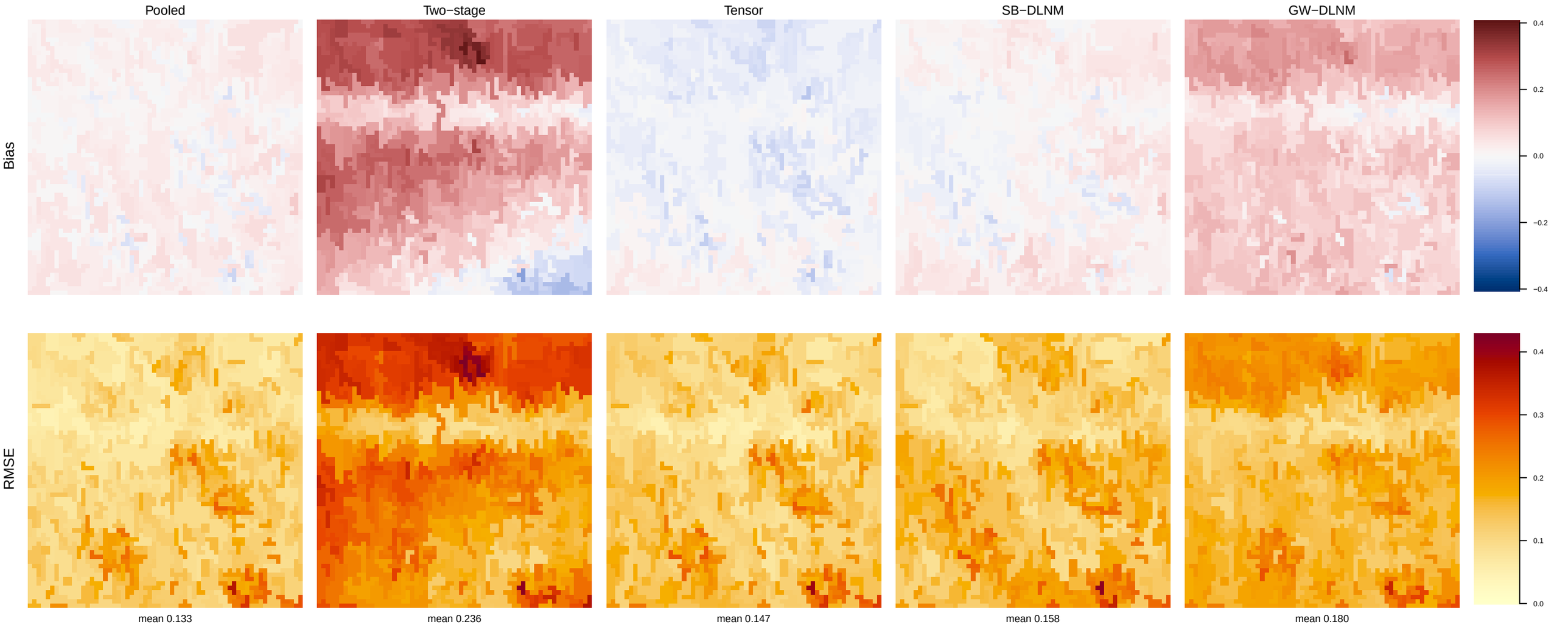
Scenario 749: square region, 480 counties, moderate inequality, boundary pattern, spread 0.30, valley gradient, linear exposure−response, event rate 2, RR 1.4, short lag



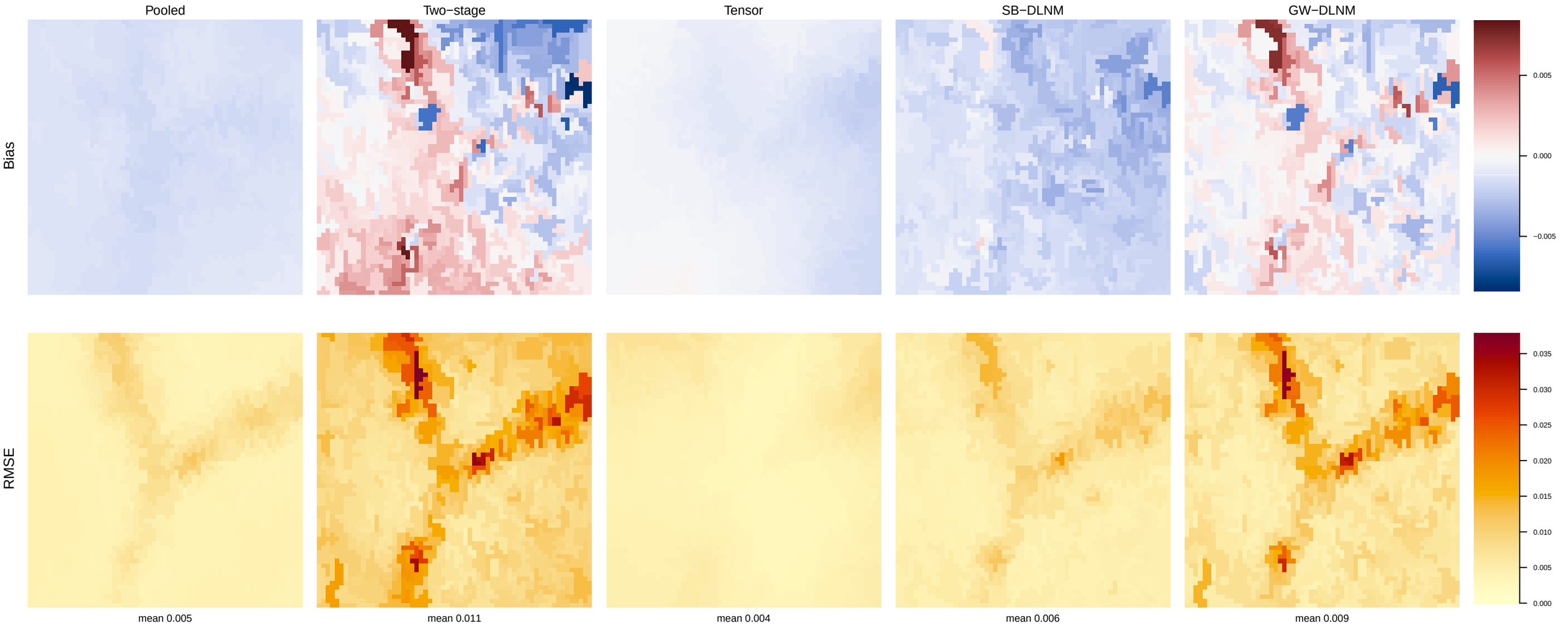
Scenario 941: square region, 480 counties, moderate inequality, regional pattern, spread 0.50, edges gradient, J exposure−response, event rate 2, RR 1.6, delayed lag



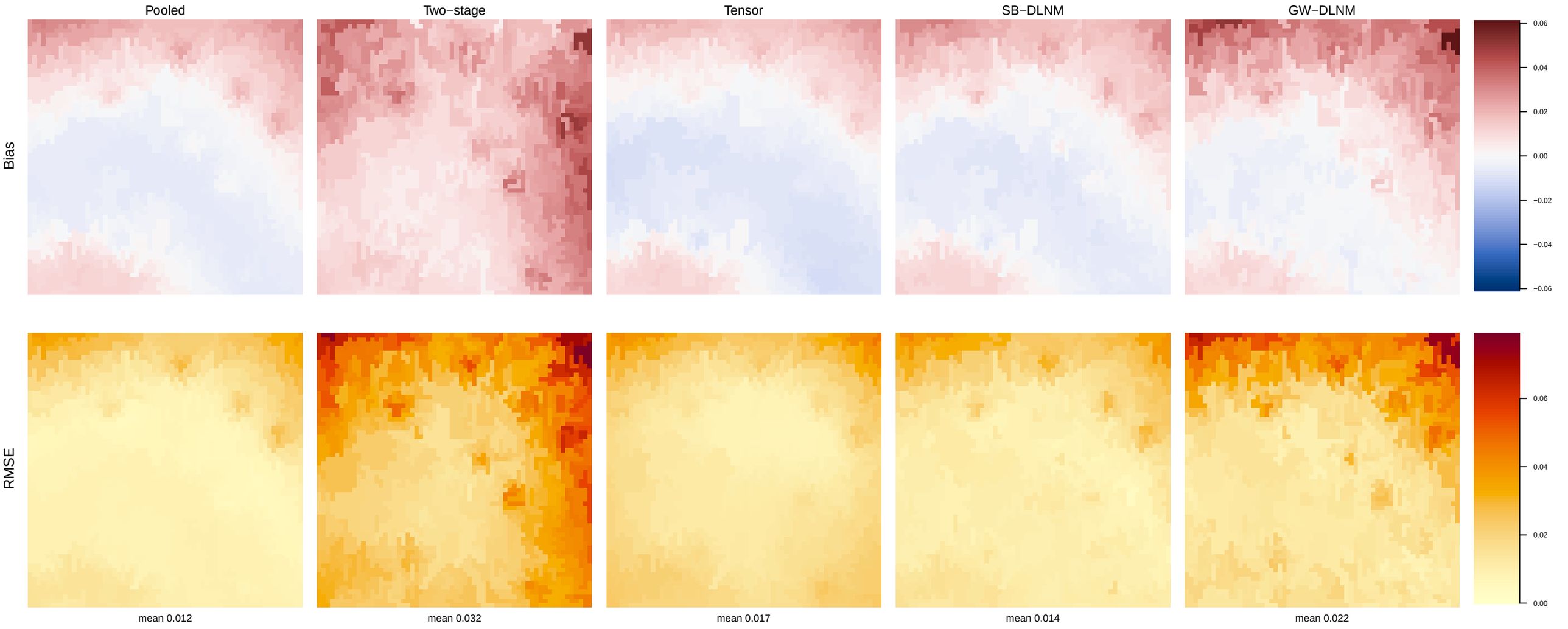
Scenario 877: square region, 480 counties, moderate inequality, local pattern, spread 0.50, NS gradient, J exposure−response, event rate 0.5, RR 1.2, decay lag



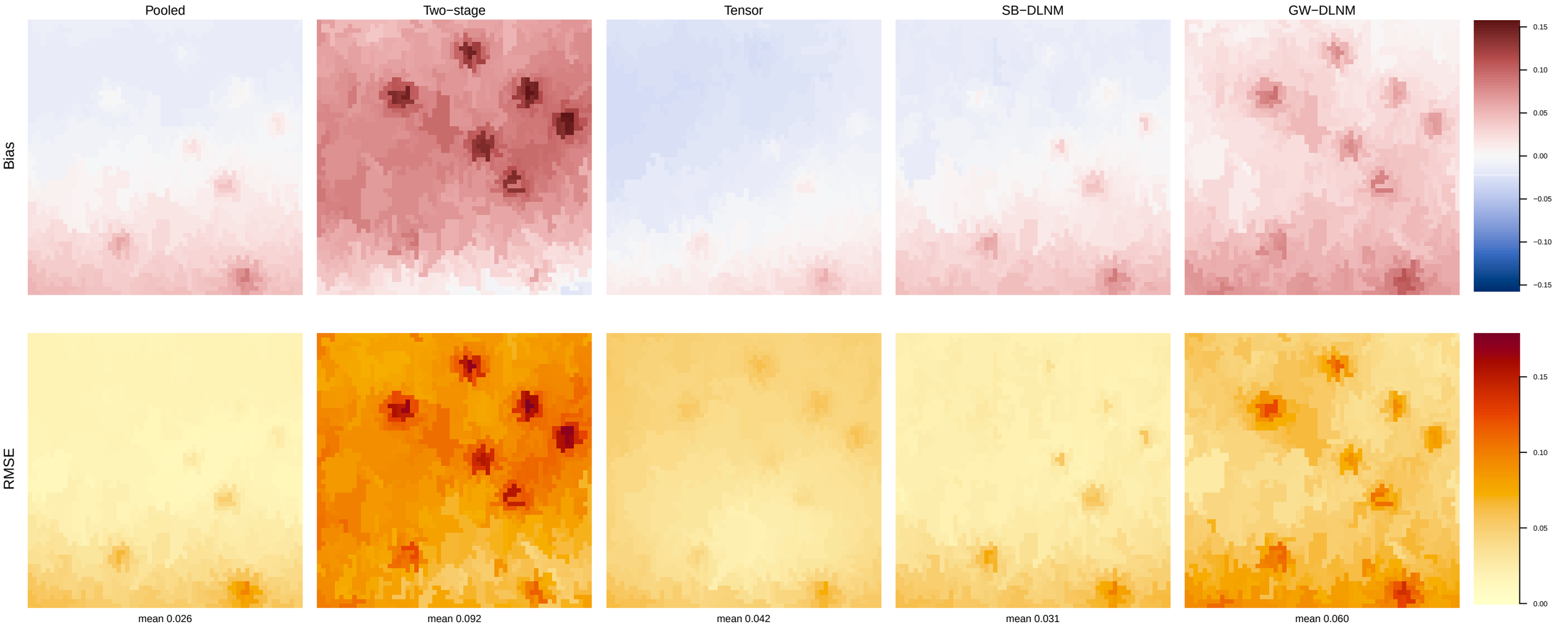
Scenario 813: square region, 480 counties, moderate inequality, independent pattern, spread 0.50, ridge gradient, J exposure−response, event rate 0.125, RR 1.4, short lag



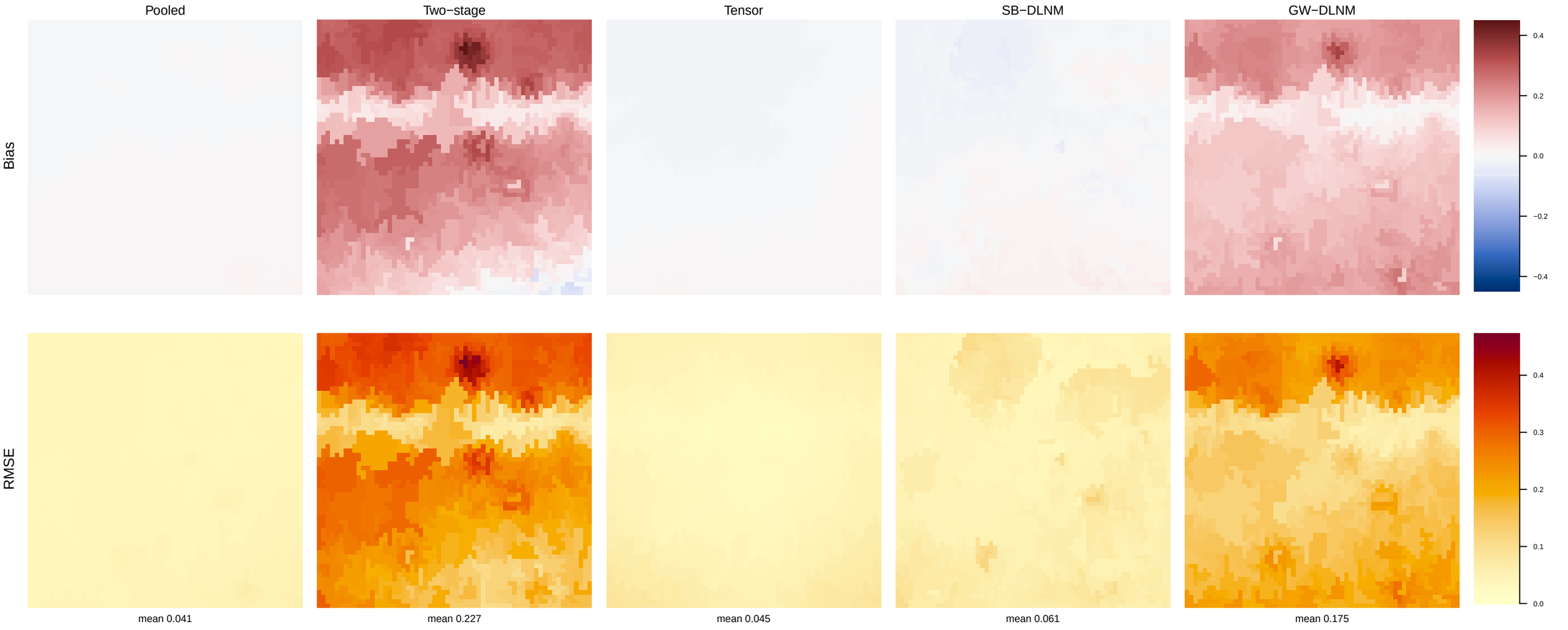
Scenario 1005: square region, 480 counties, moderate inequality, boundary pattern, spread 0.50, valley gradient, J exposure−response, event rate 8, RR 1.0, harvest lag



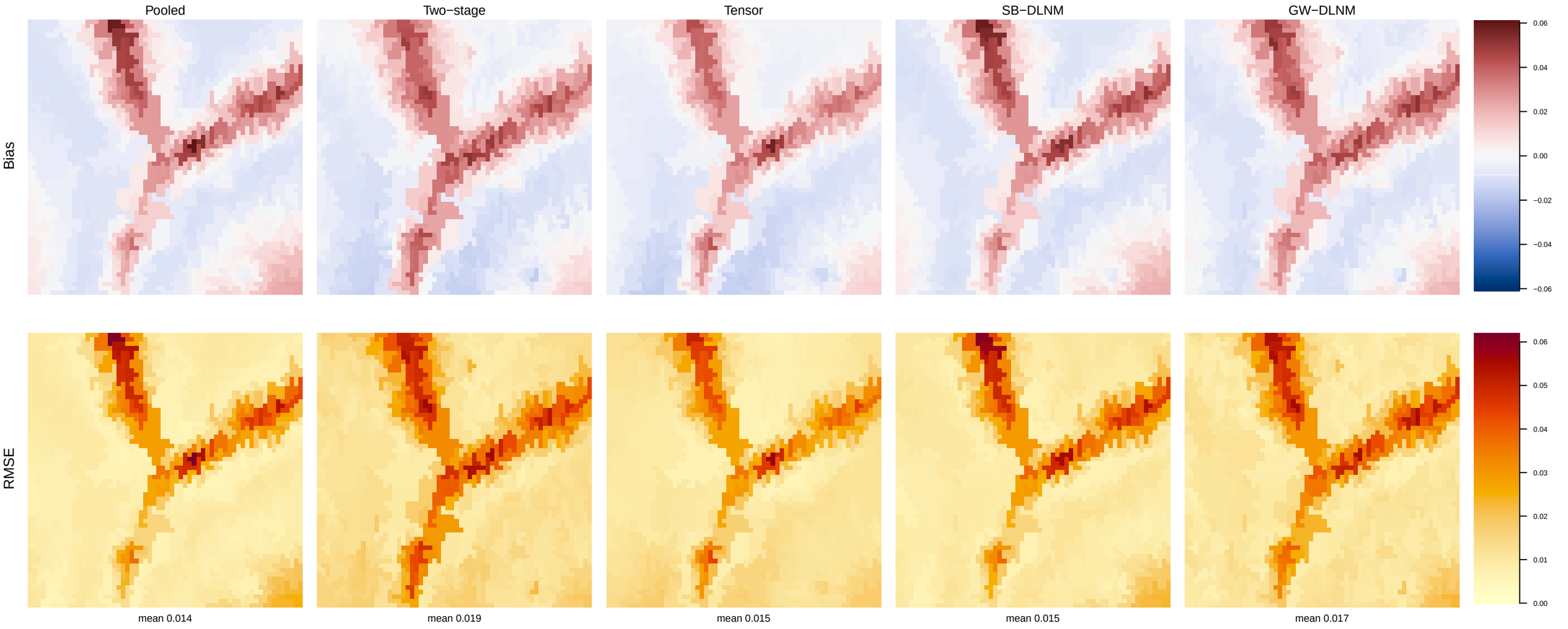
Scenario 253: square region, 480 counties, extreme inequality, boundary pattern, spread 0.00, edges gradient, threshold exposure−response, event rate 2, RR 1.2, delayed lag



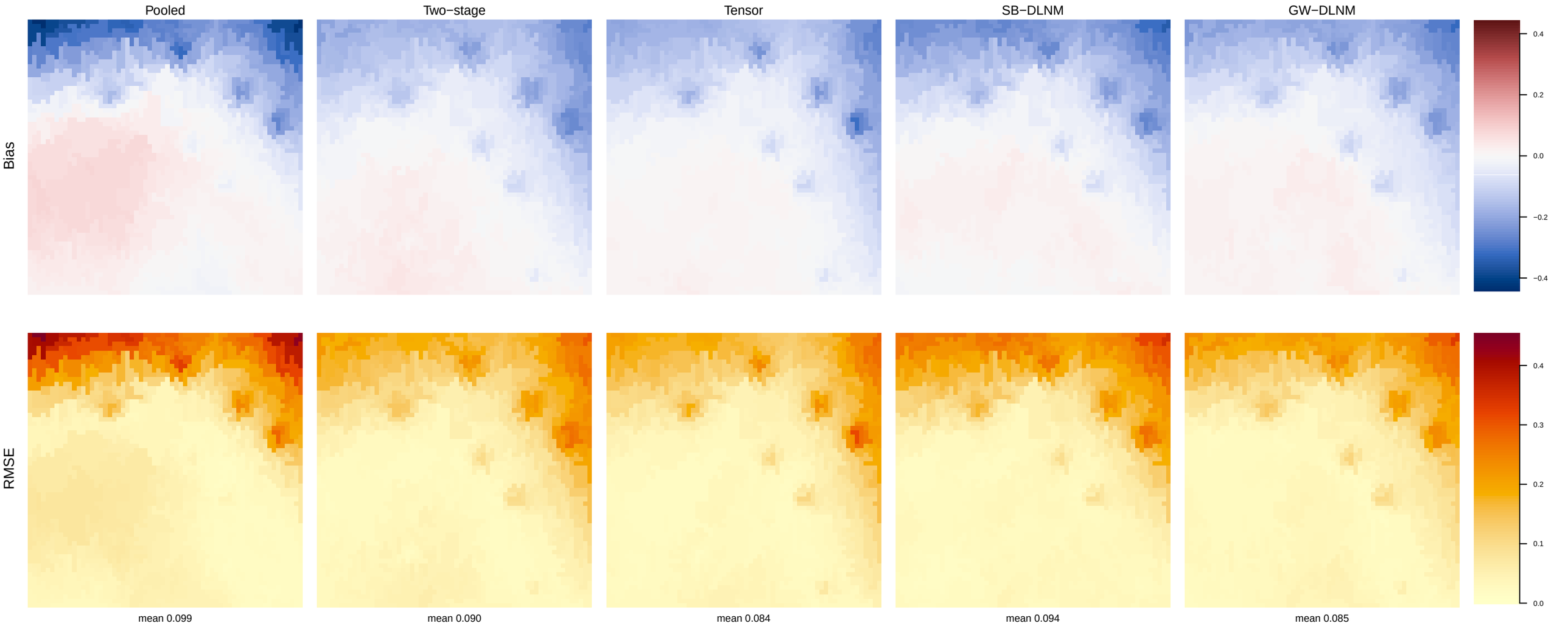
Scenario 61: square region, 480 counties, extreme inequality, independent pattern, spread 0.00, NS gradient, threshold exposure−response, event rate 0.5, RR 1.6, decay lag



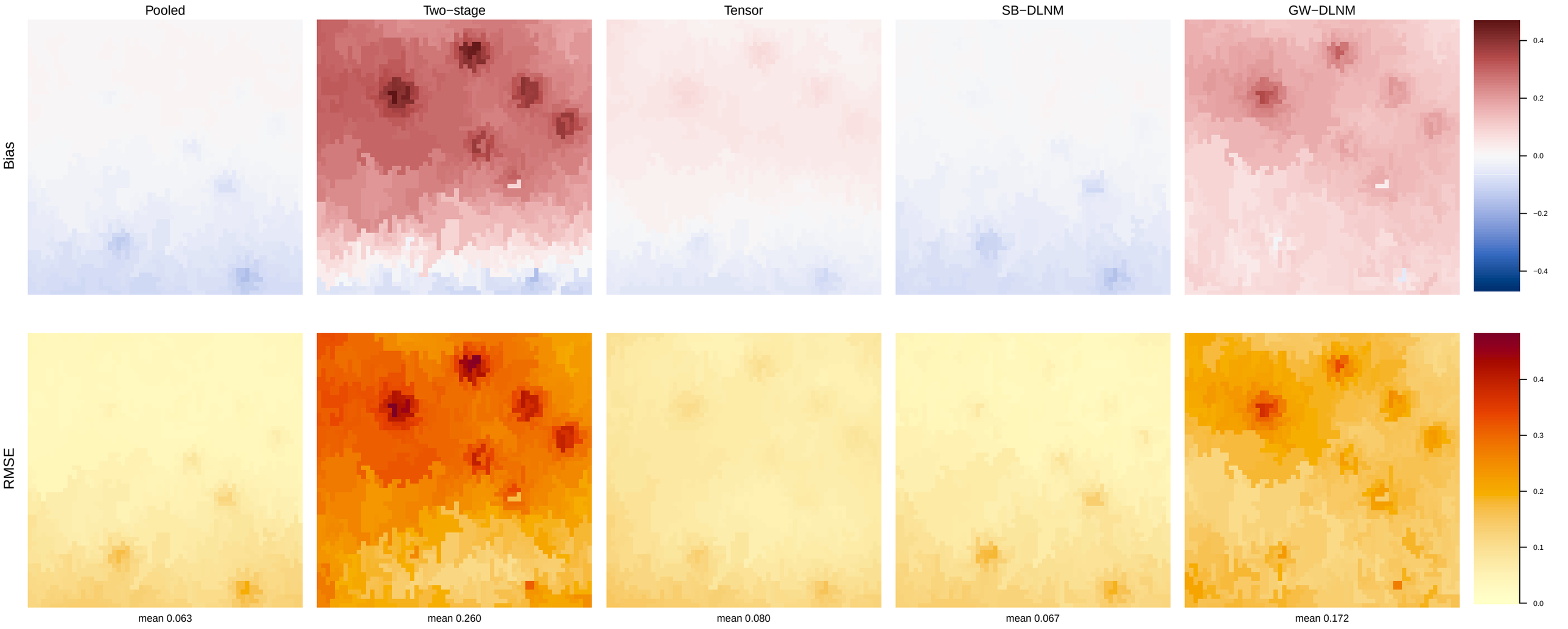
Scenario 125: square region, 480 counties, extreme inequality, local pattern, spread 0.00, ridge gradient, threshold exposure−response, event rate 0.125, RR 1.0, short lag



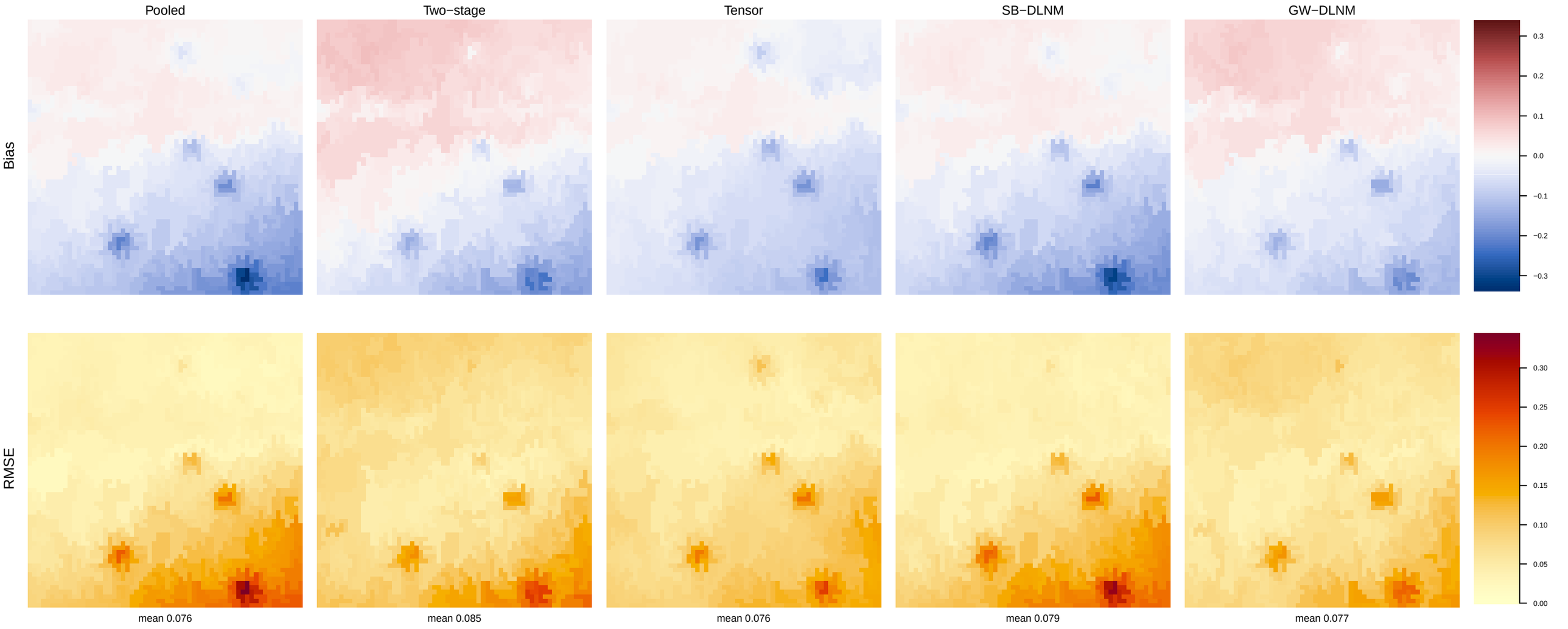
Scenario 189: square region, 480 counties, extreme inequality, regional pattern, spread 0.00, valley gradient, threshold exposure−response, event rate 8, RR 1.4, harvest lag



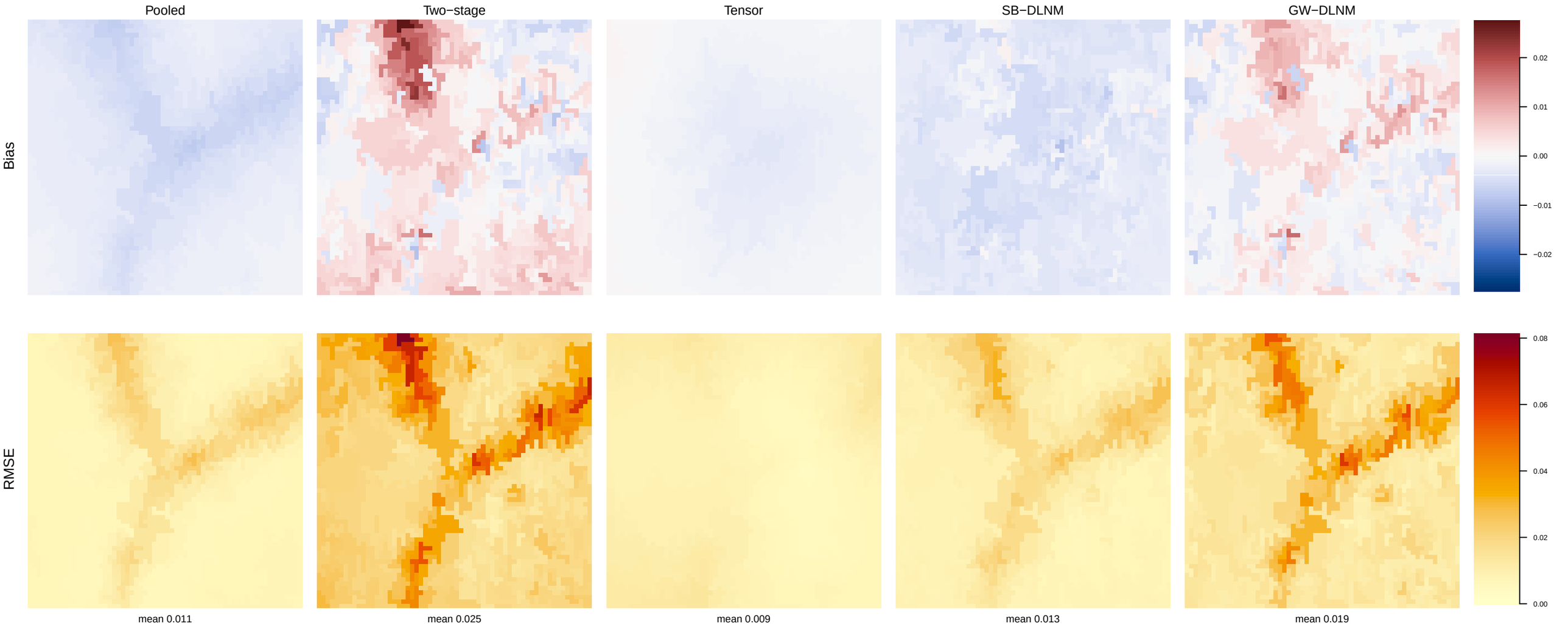
Scenario 509: square region, 480 counties, extreme inequality, boundary pattern, spread 0.15, edges gradient, unimodal exposure−response, event rate 8, RR 1.6, decay lag



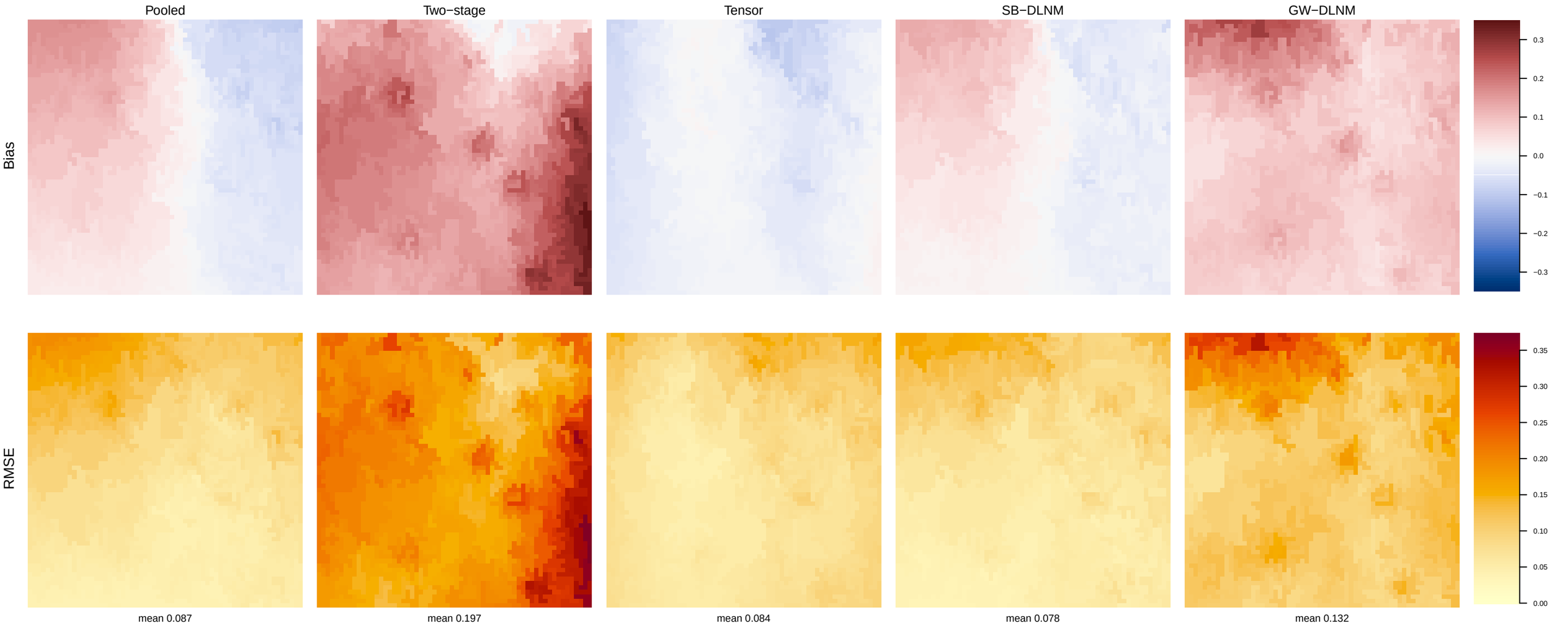
Scenario 317: square region, 480 counties, extreme inequality, independent pattern, spread 0.15, NS gradient, unimodal exposure−response, event rate 0.125, RR 1.2, delayed lag



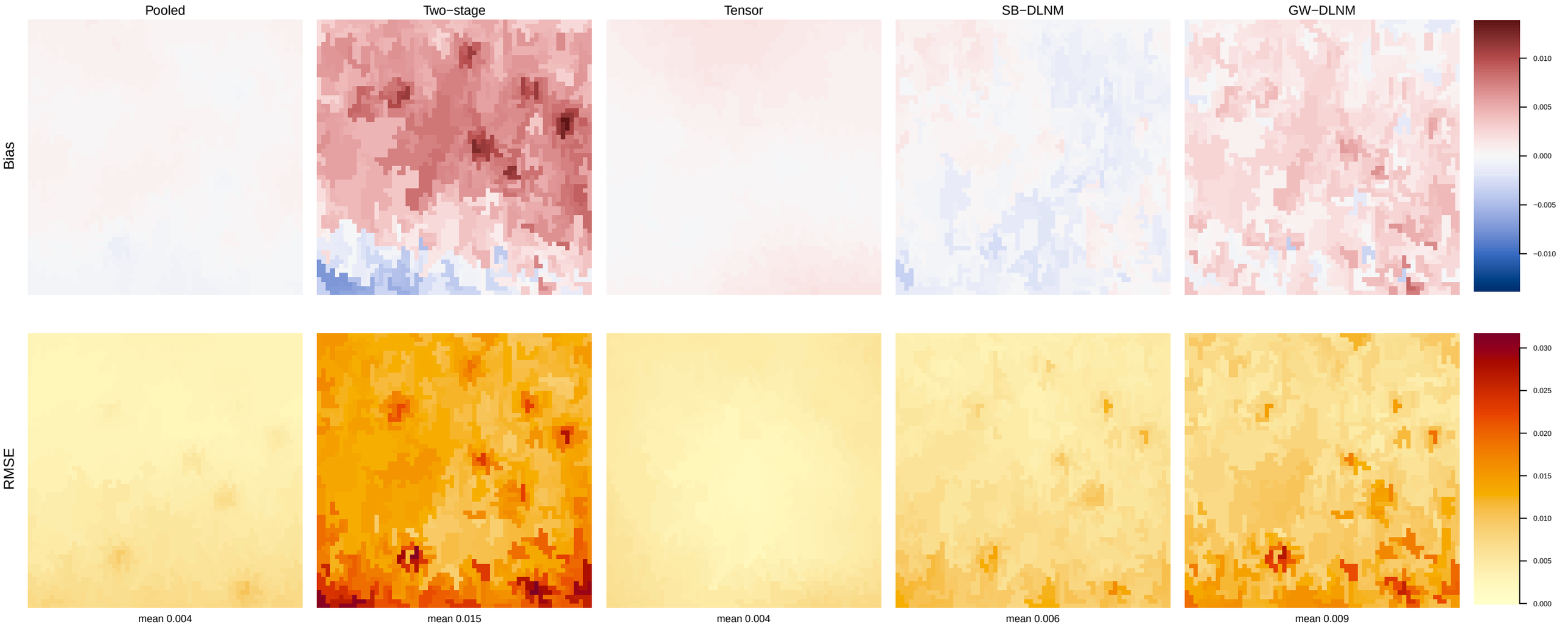
Scenario 381: square region, 480 counties, extreme inequality, local pattern, spread 0.15, ridge gradient, unimodal exposure−response, event rate 0.5, RR 1.4, harvest lag



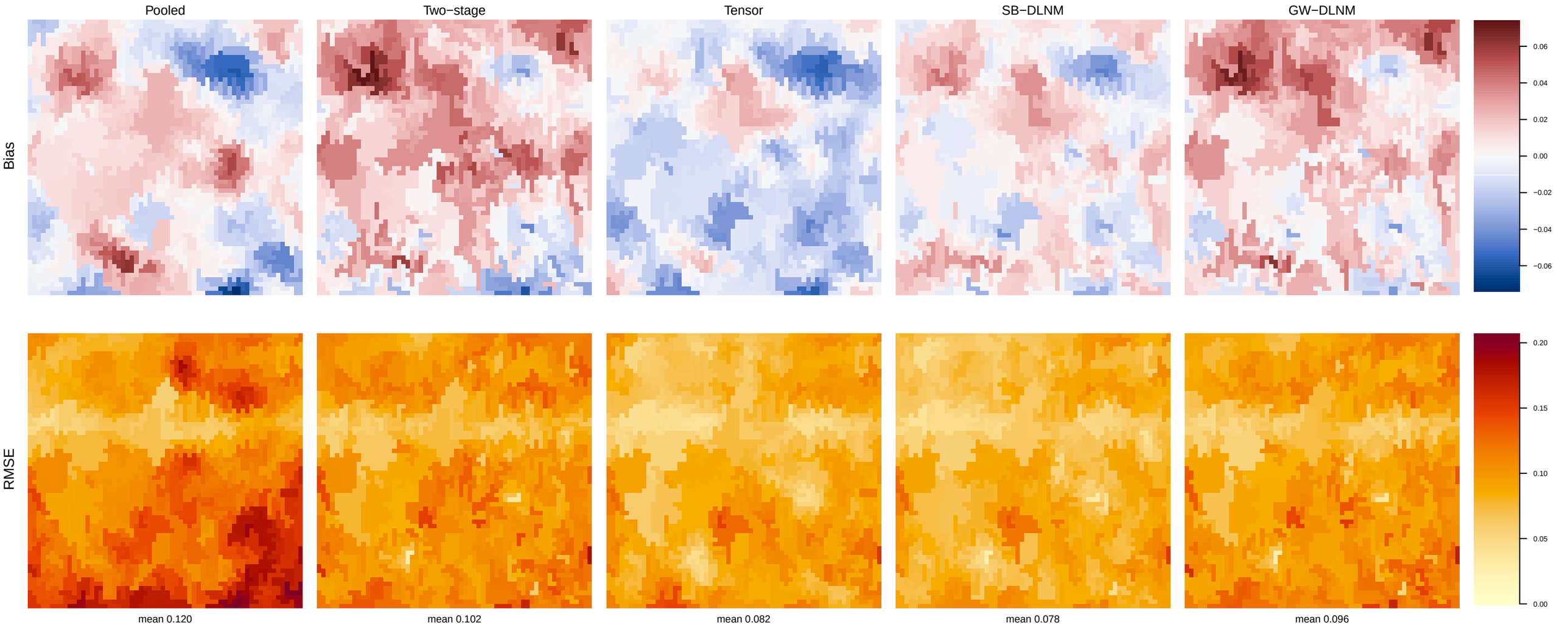
Scenario 445: square region, 480 counties, extreme inequality, regional pattern, spread 0.15, valley gradient, unimodal exposure−response, event rate 2, RR 1.0, short lag



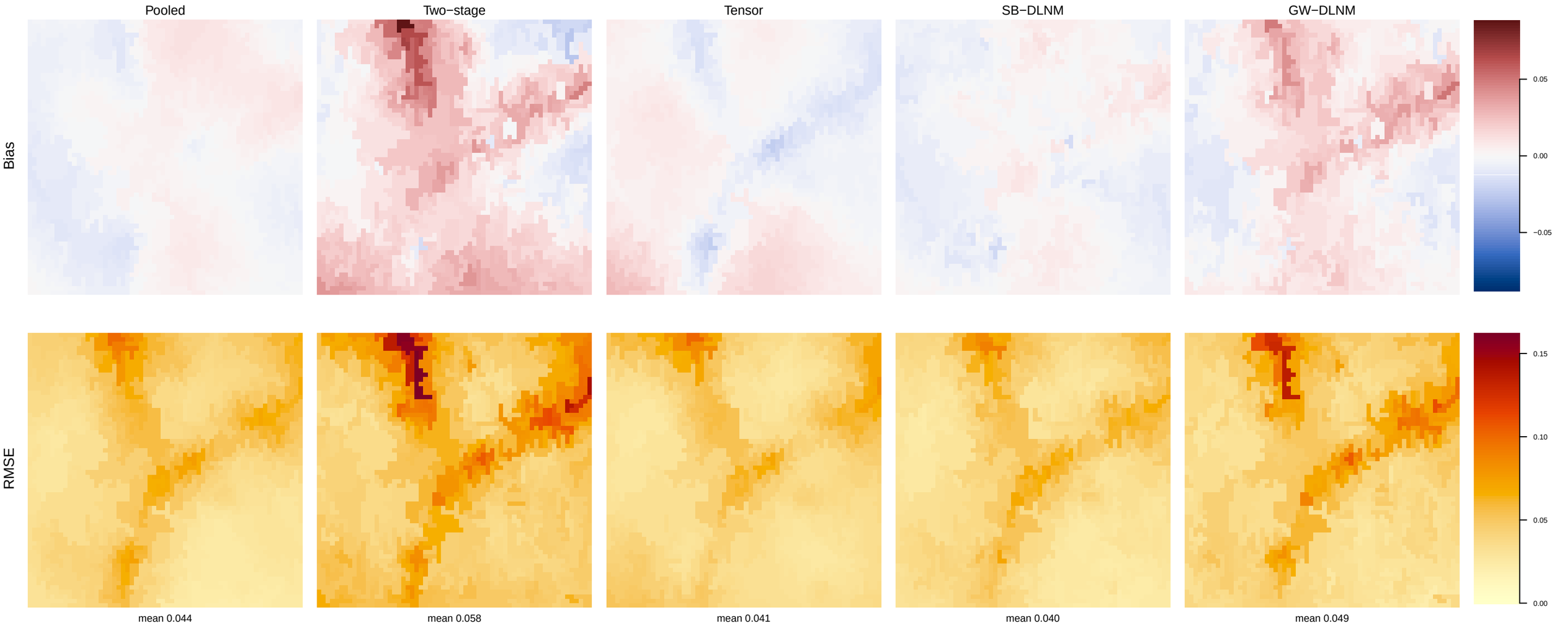
Scenario 765: square region, 480 counties, extreme inequality, boundary pattern, spread 0.30, edges gradient, J exposure−response, event rate 0.125, RR 1.4, harvest lag



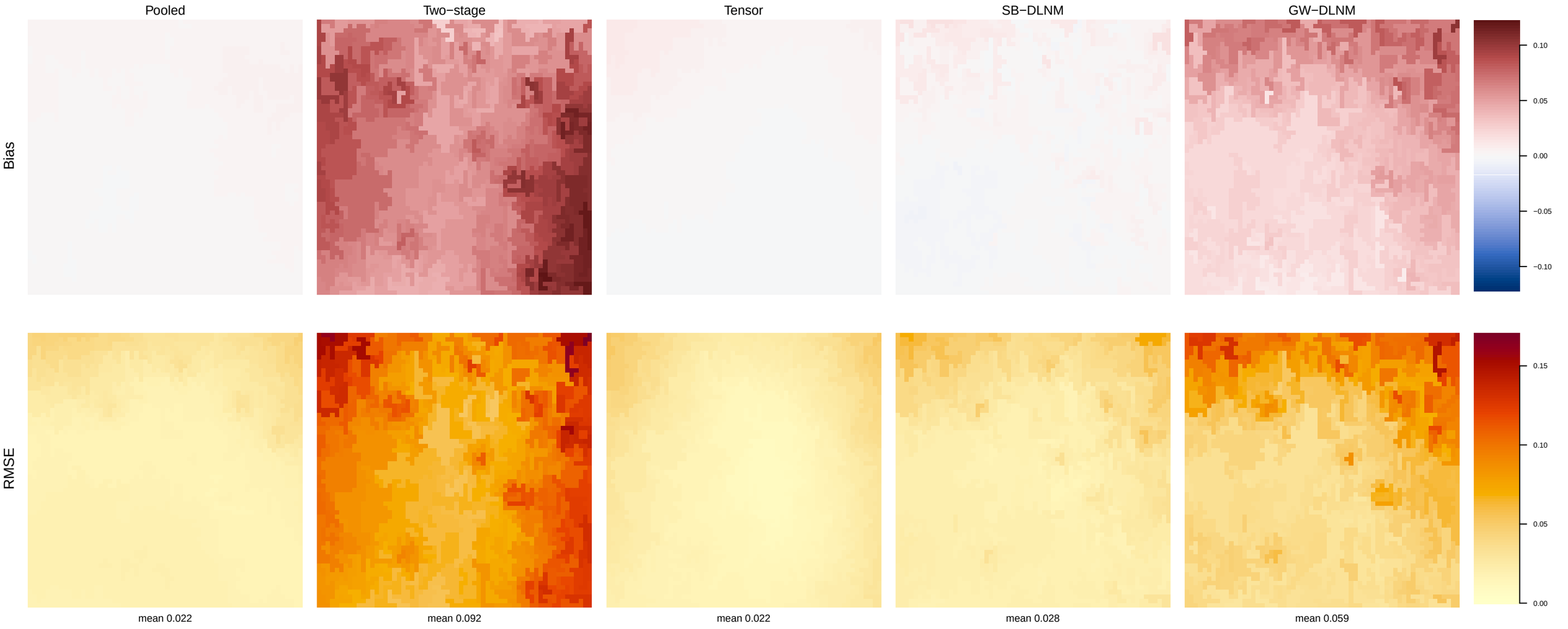
Scenario 573: square region, 480 counties, extreme inequality, independent pattern, spread 0.30, NS gradient, J exposure−response, event rate 8, RR 1.0, short lag



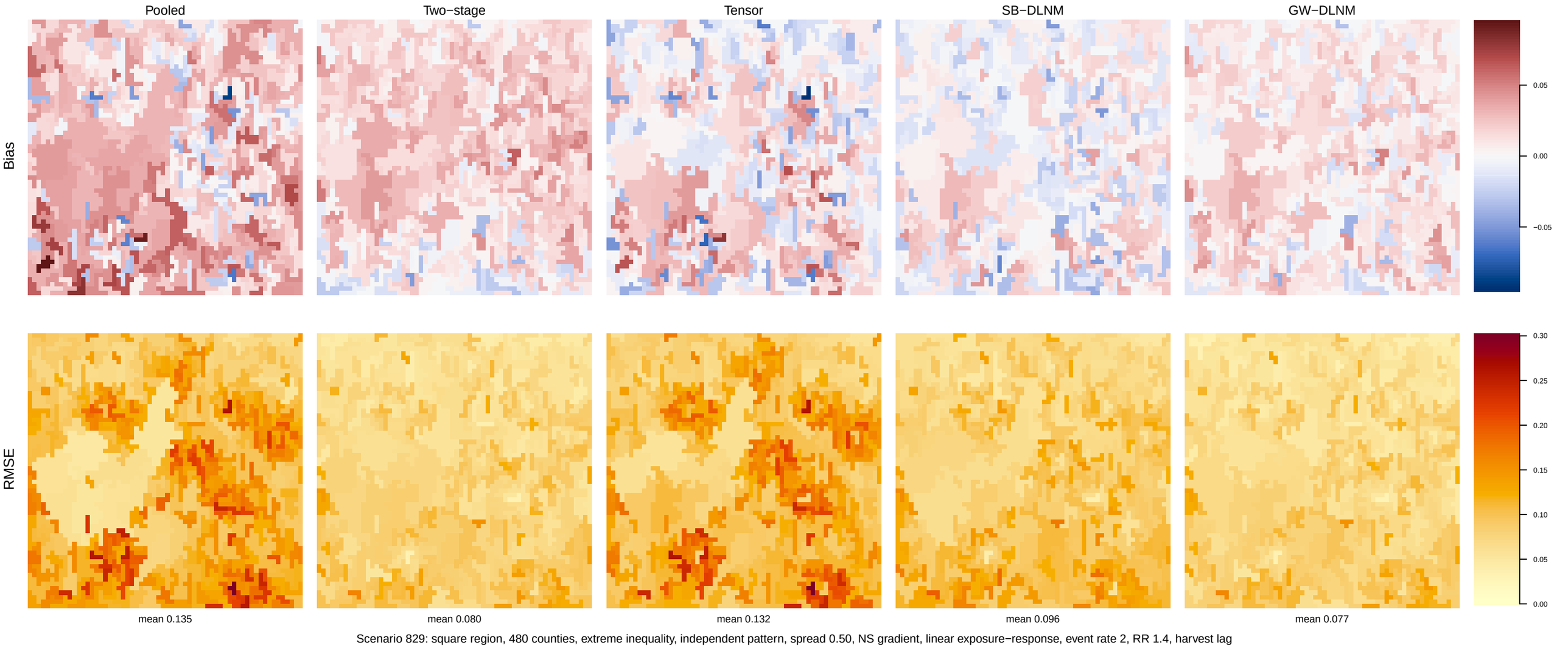
Scenario 637: square region, 480 counties, extreme inequality, local pattern, spread 0.30, ridge gradient, J exposure−response, event rate 2, RR 1.6, decay lag

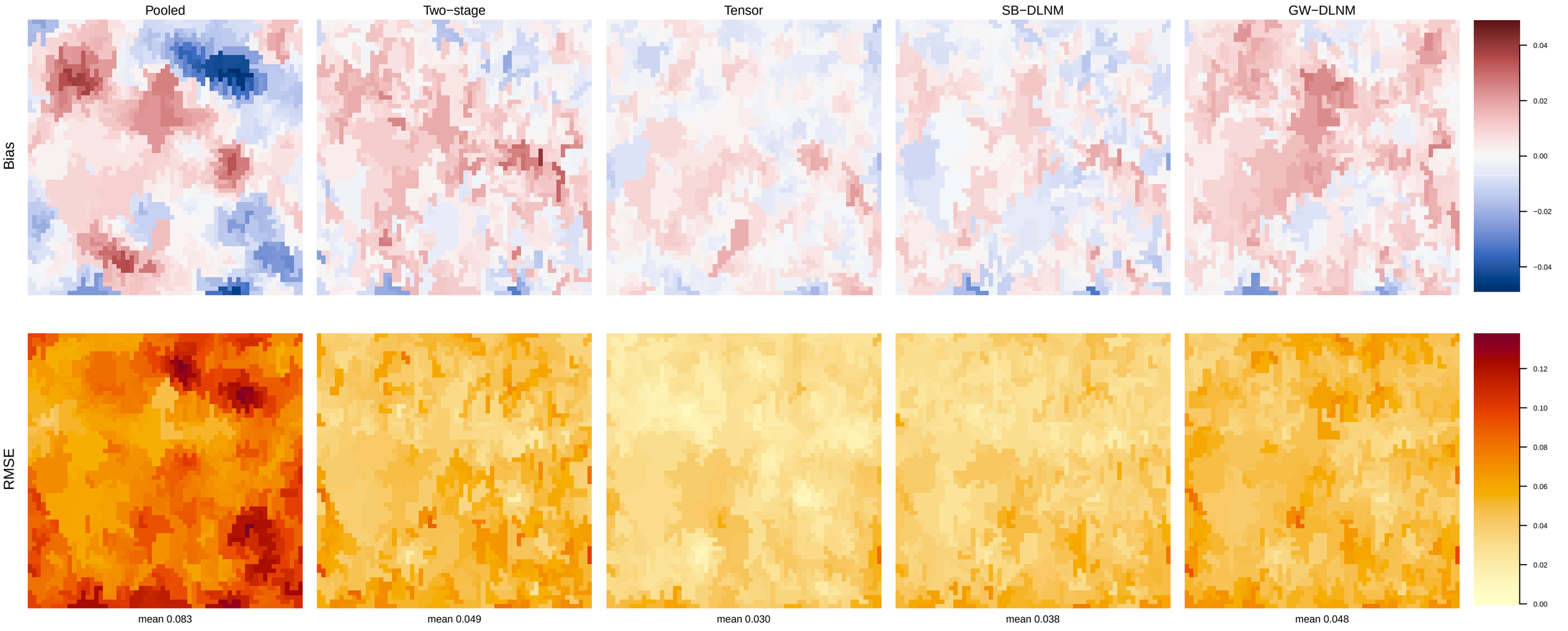


Scenario 701: square region, 480 counties, extreme inequality, regional pattern, spread 0.30, valley gradient, J exposure−response, event rate 0.5, RR 1.2, delayed lag

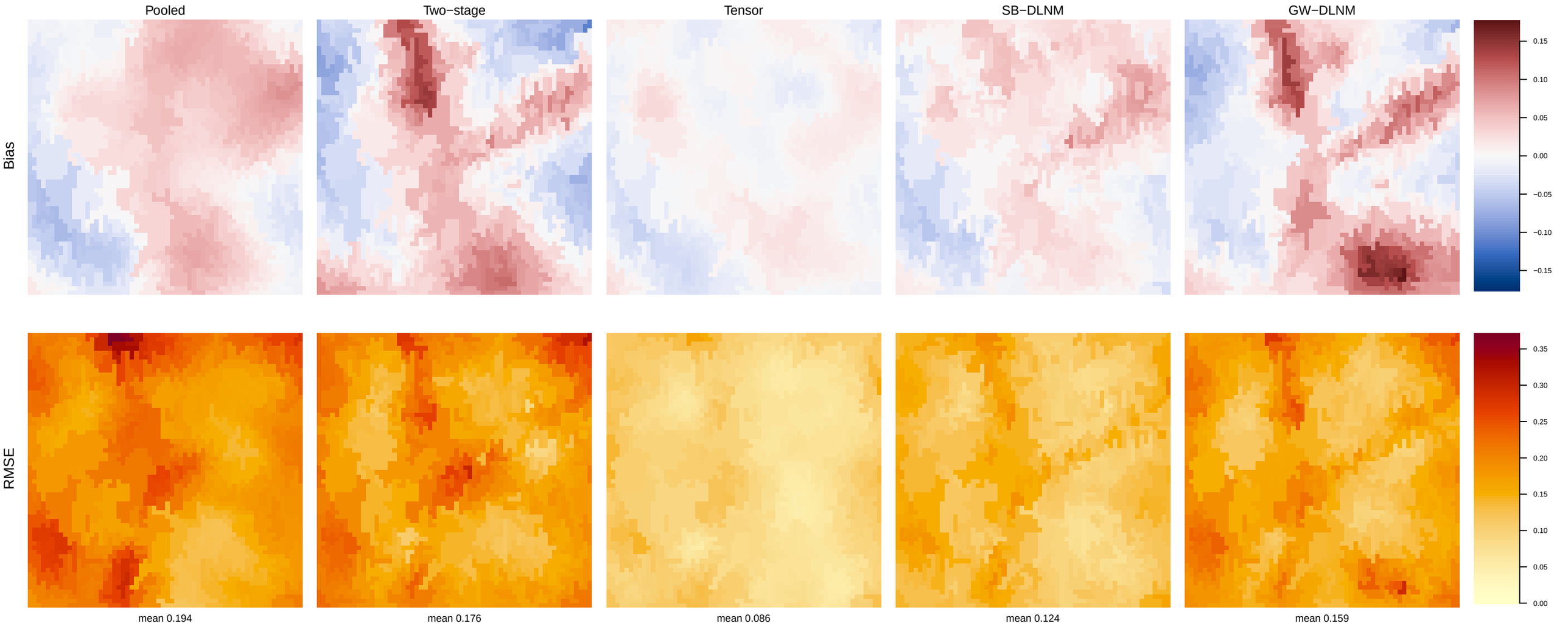


Scenario 1021: square region, 480 counties, extreme inequality, boundary pattern, spread 0.50, edges gradient, linear exposure−response, event rate 0.5, RR 1.0, short lag

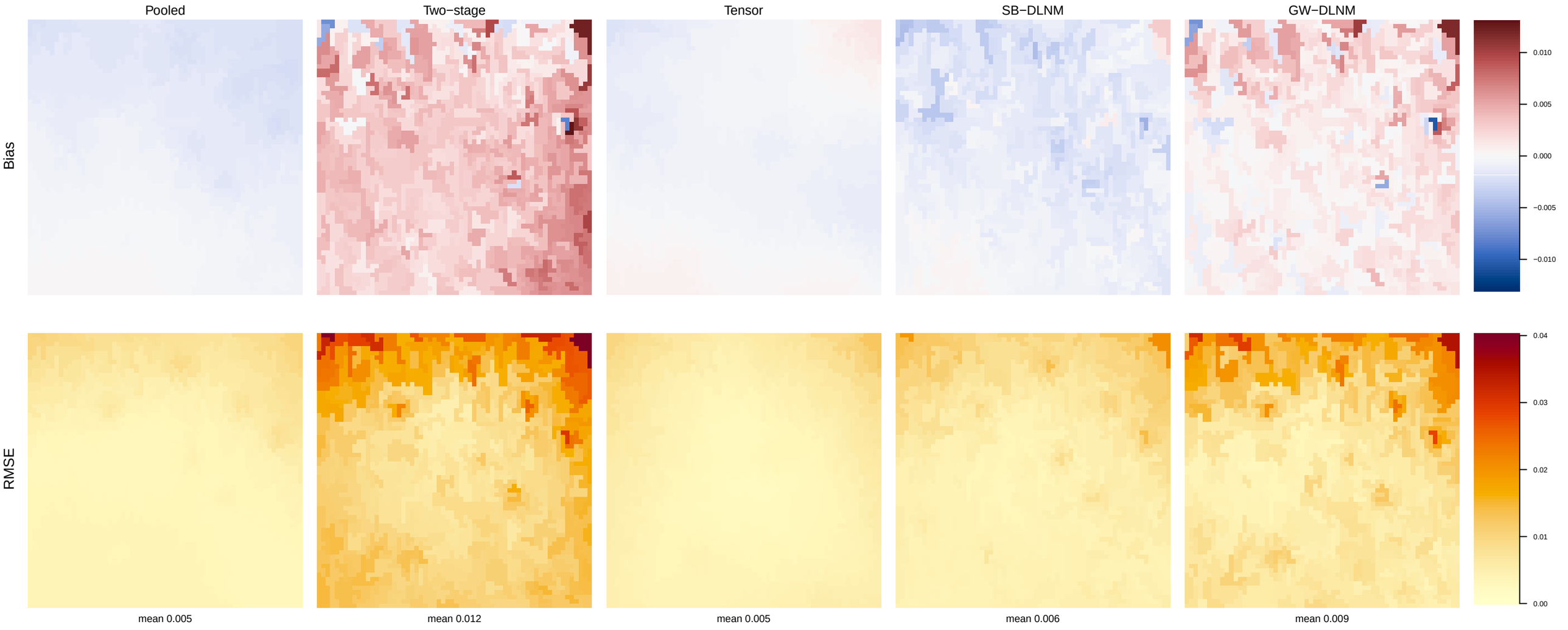

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.05
0.00
−0.05
0.30
0.25
0.20
0.15
0.10
0.05
0.00
mean 0.135
mean 0.080
mean 0.132
mean 0.096
mean 0.077
Scenario 829: square region, 480 counties, extreme inequality, independent pattern, spread 0.50, NS gradient, linear exposure−response, event rate 2, RR 1.4, harvest lag



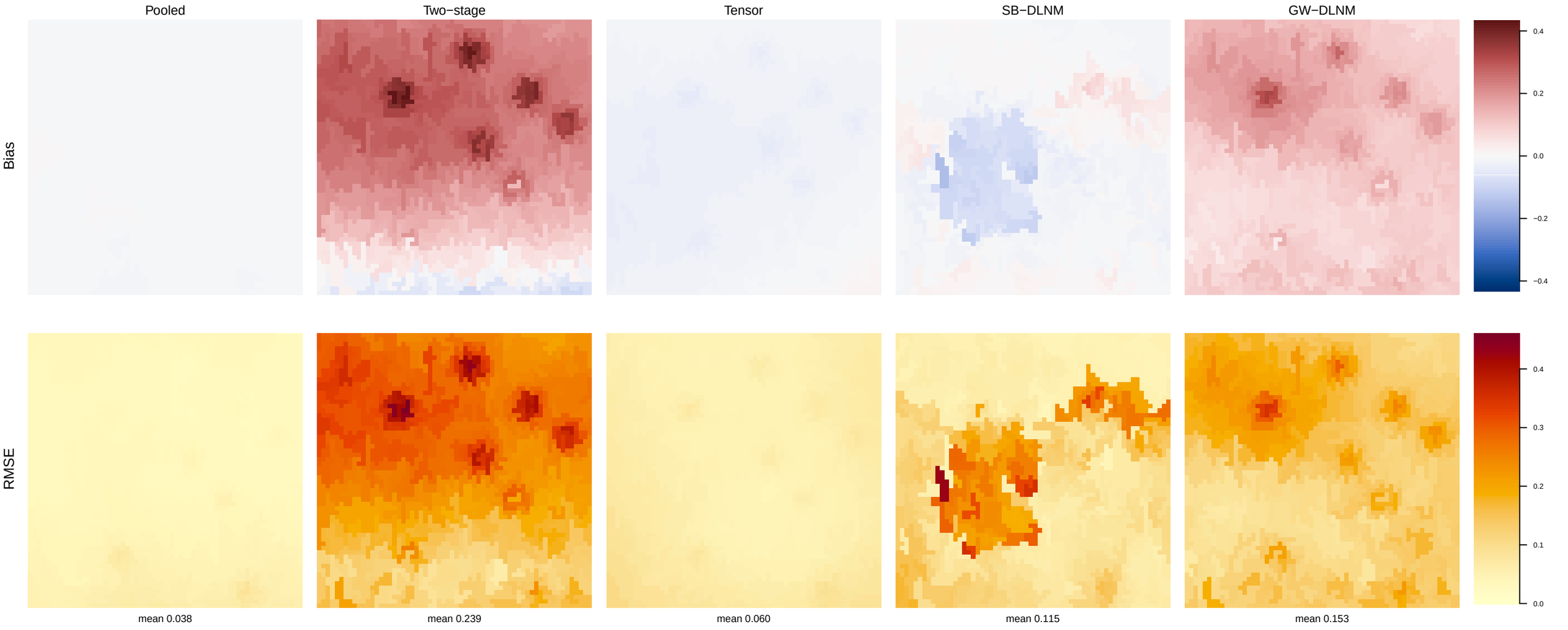
Scenario 893: square region, 480 counties, extreme inequality, local pattern, spread 0.50, ridge gradient, linear exposure−response, event rate 8, RR 1.2, delayed lag



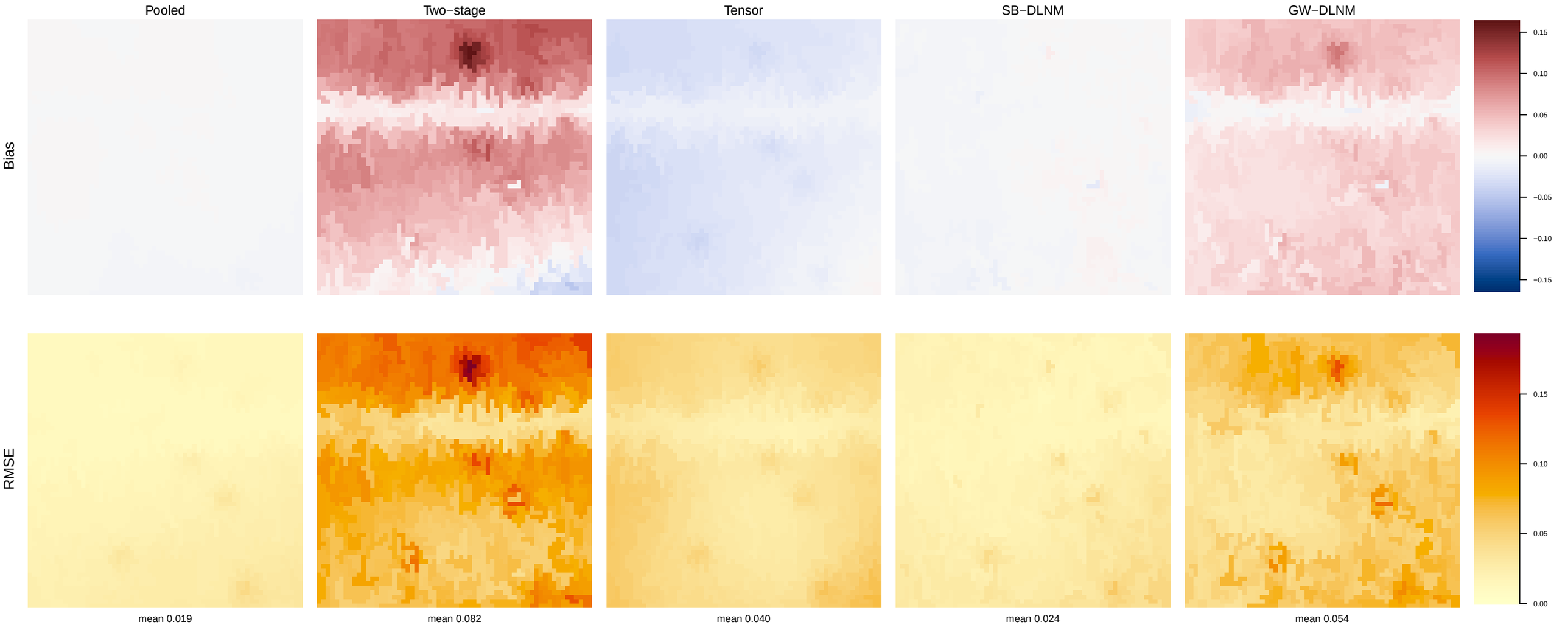
Scenario 957: square region, 480 counties, extreme inequality, regional pattern, spread 0.50, valley gradient, linear exposure−response, event rate 0.125, RR 1.6, decay lag



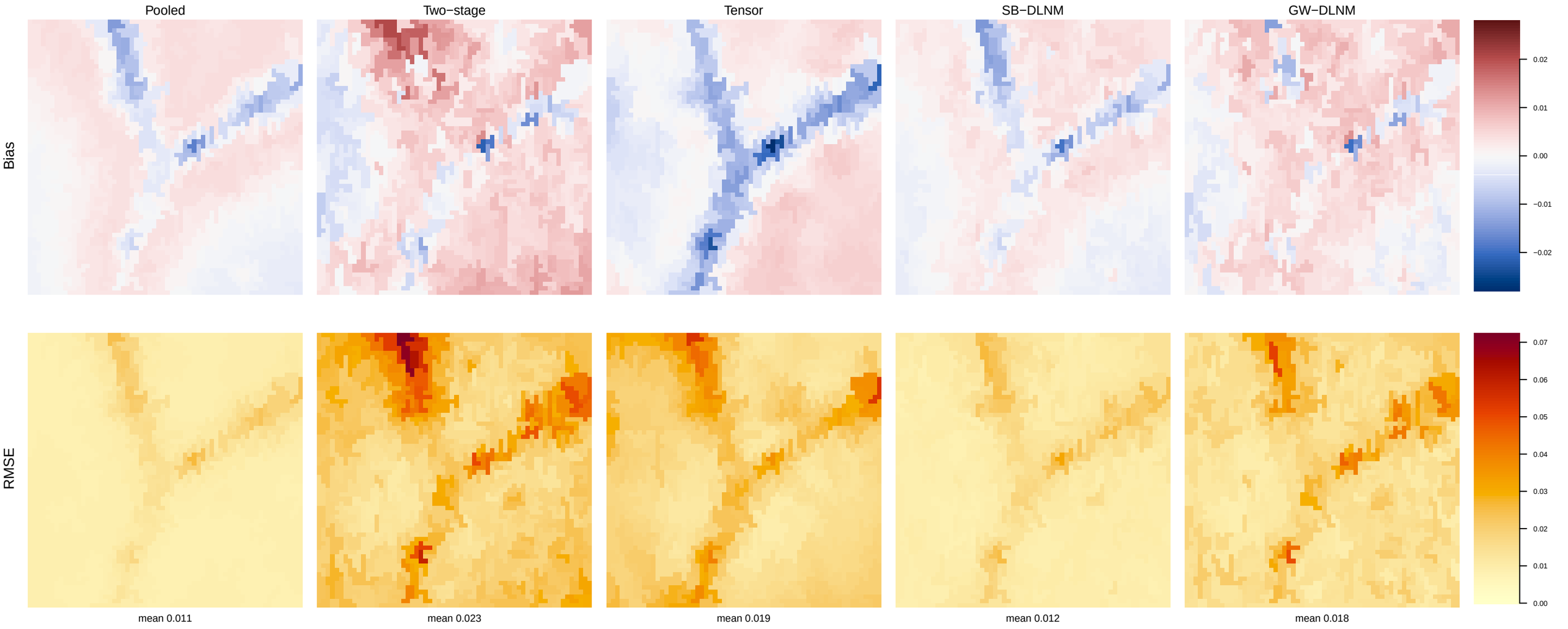
Scenario 93: square region, 480 counties, mild inequality, local pattern, spread 0.00, edges gradient, J exposure−response, event rate 8, RR 1.0, decay lag



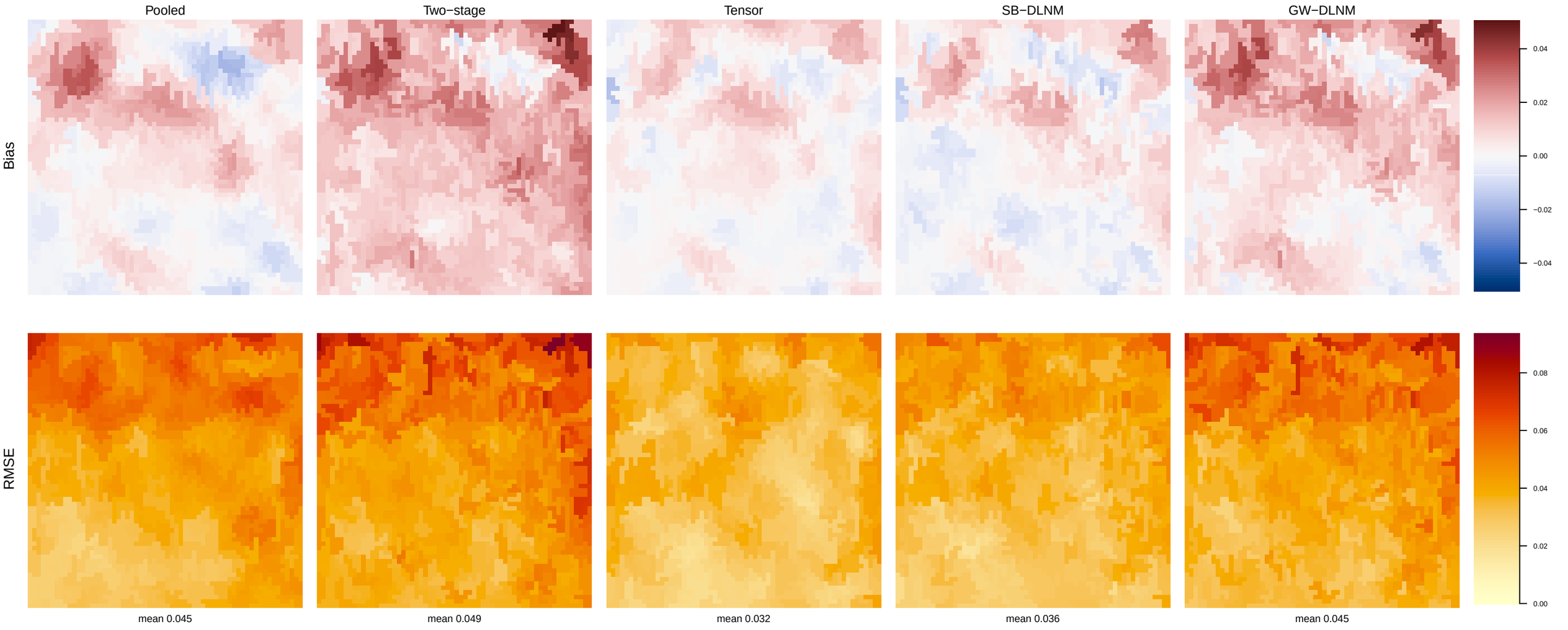
Scenario 157: square region, 480 counties, mild inequality, regional pattern, spread 0.00, NS gradient, J exposure−response, event rate 0.125, RR 1.4, delayed lag



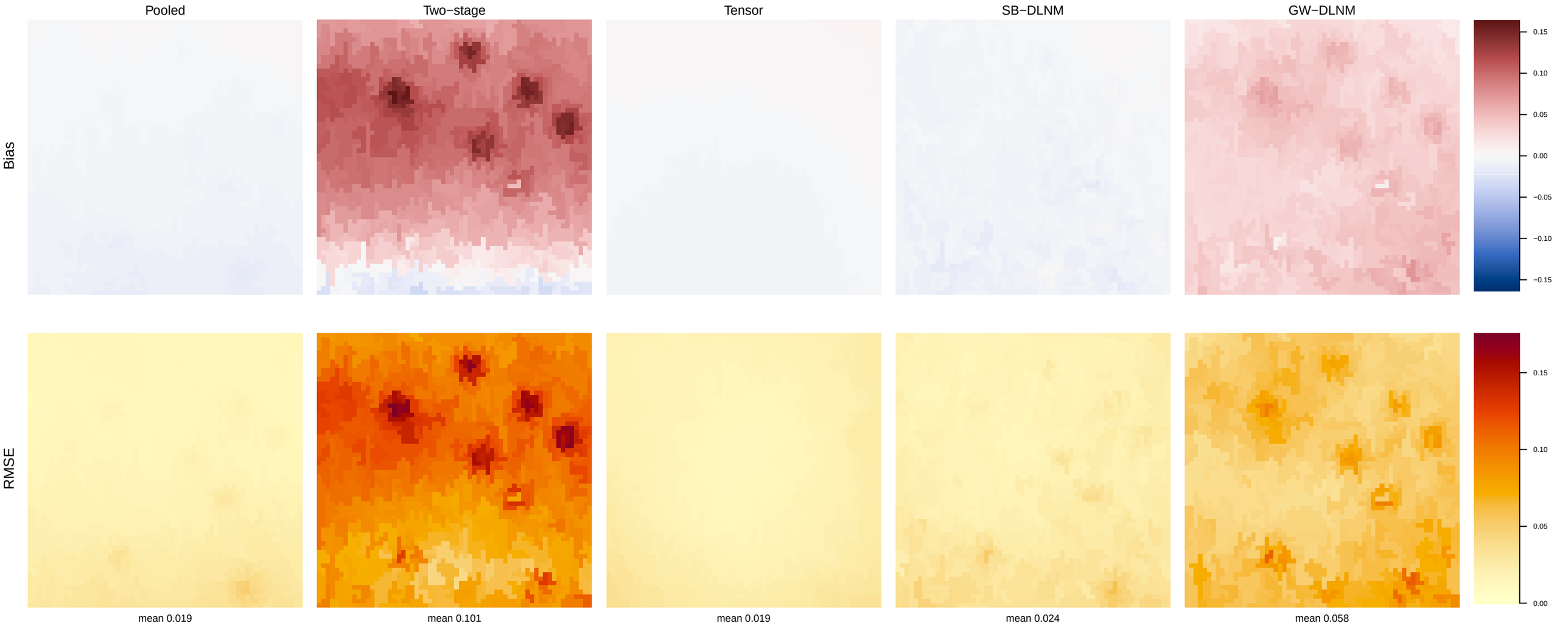
Scenario 221: square region, 480 counties, mild inequality, boundary pattern, spread 0.00, ridge gradient, J exposure−response, event rate 0.5, RR 1.2, harvest lag



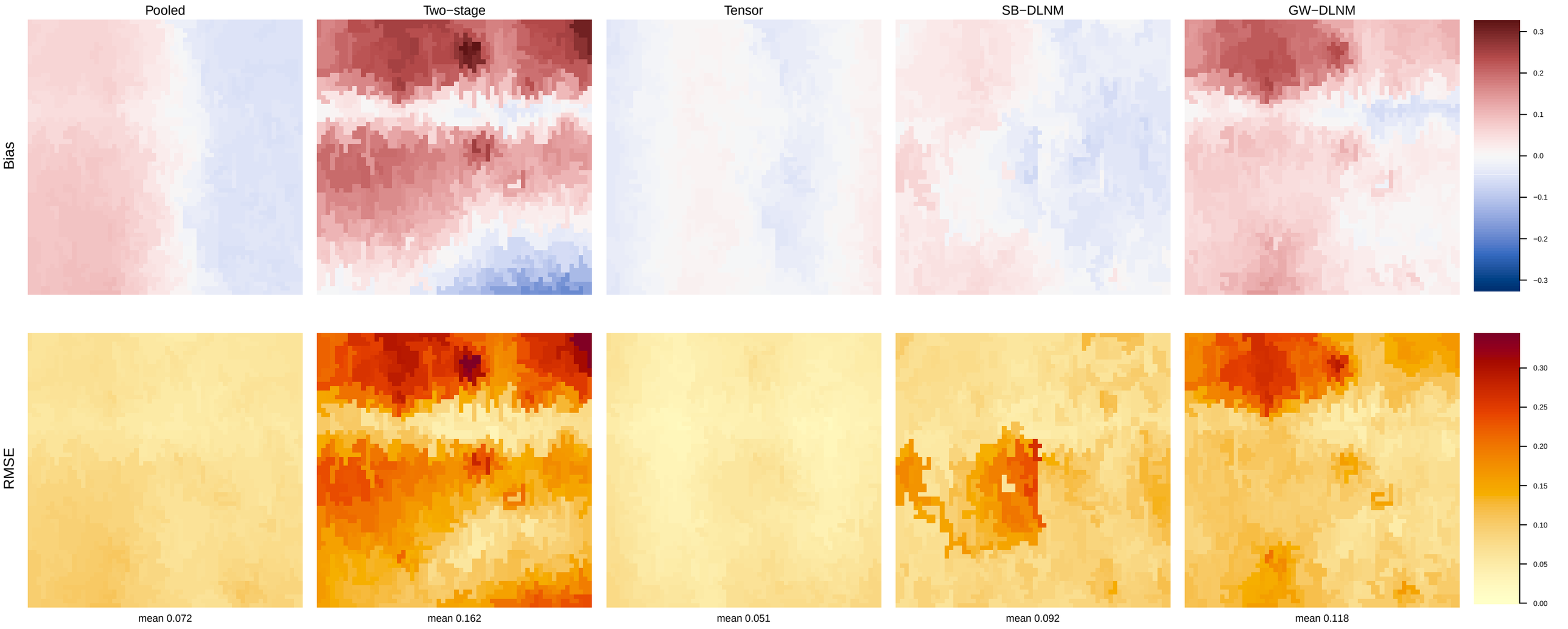
Scenario 29: square region, 480 counties, mild inequality, independent pattern, spread 0.00, valley gradient, J exposure−response, event rate 2, RR 1.6, short lag



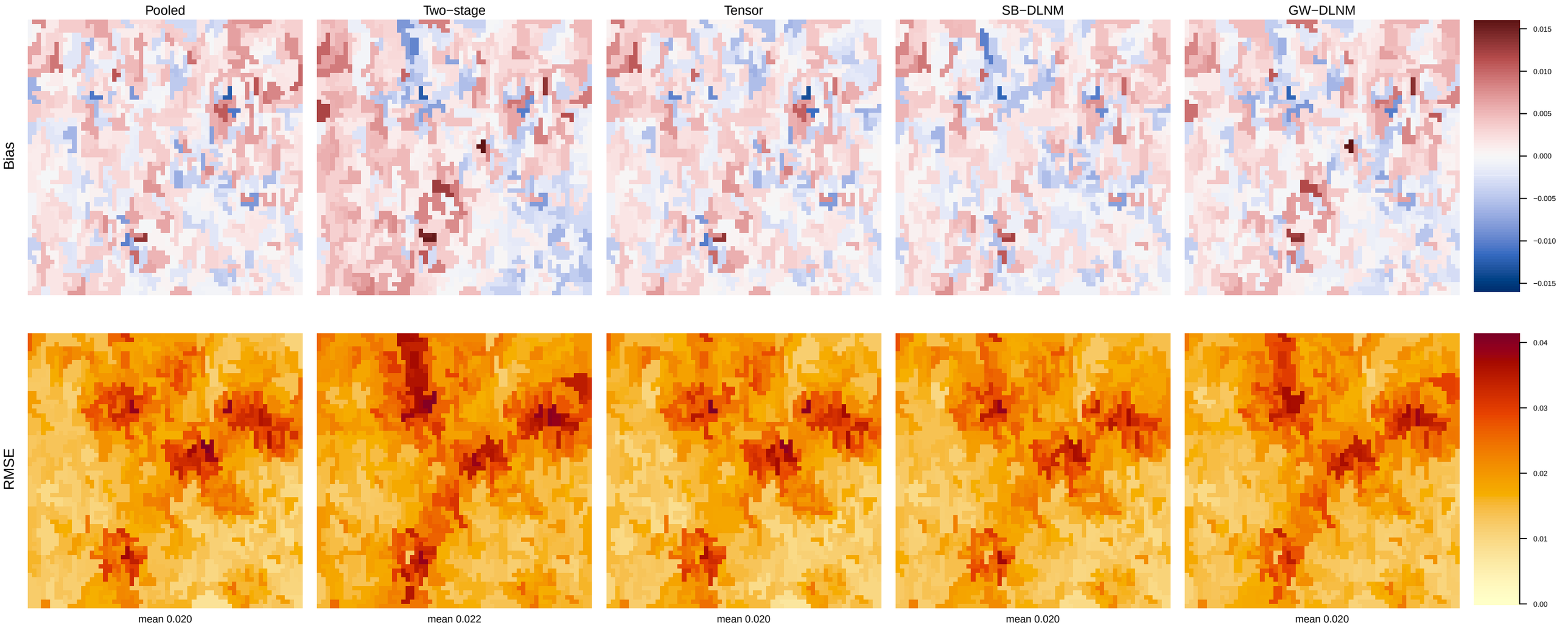
Scenario 349: square region, 480 counties, mild inequality, local pattern, spread 0.15, edges gradient, linear exposure−response, event rate 2, RR 1.4, delayed lag



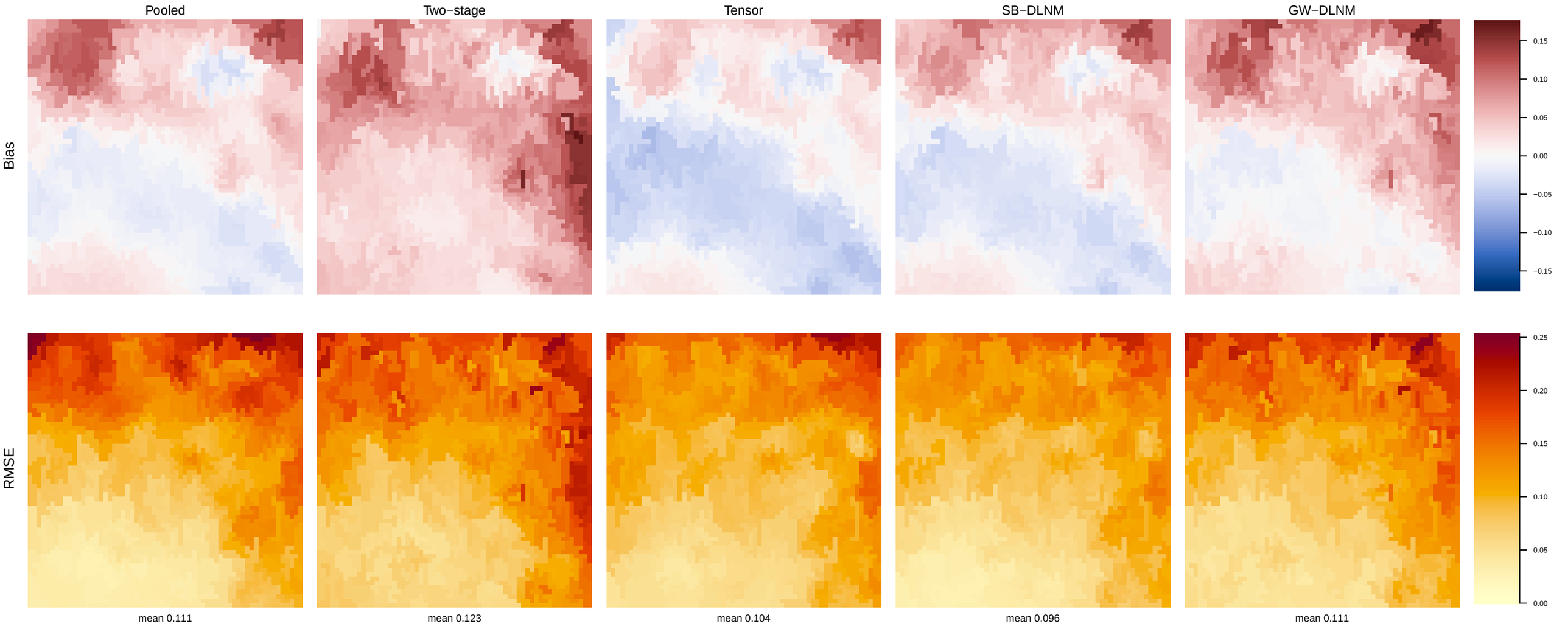
Scenario 413: square region, 480 counties, mild inequality, regional pattern, spread 0.15, NS gradient, linear exposure−response, event rate 0.5, RR 1.0, decay lag



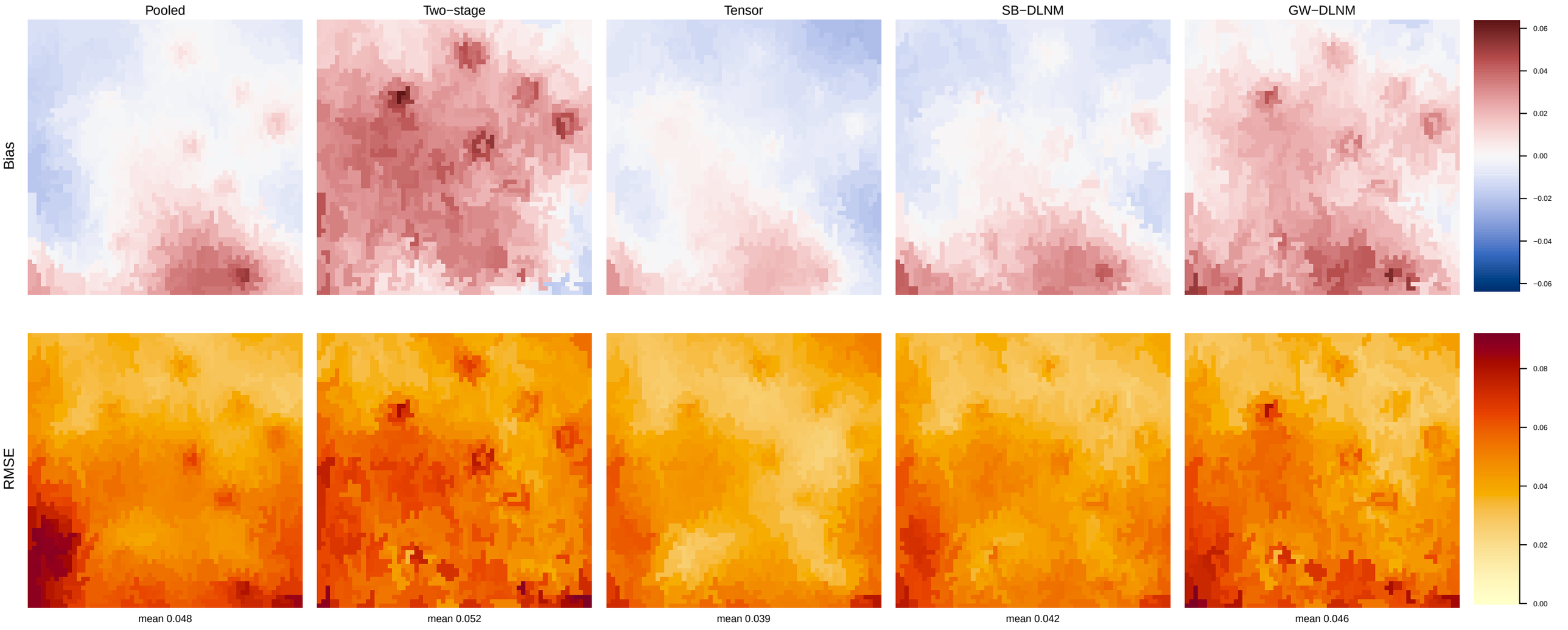
Scenario 477: square region, 480 counties, mild inequality, boundary pattern, spread 0.15, ridge gradient, linear exposure−response, event rate 0.125, RR 1.6, short lag



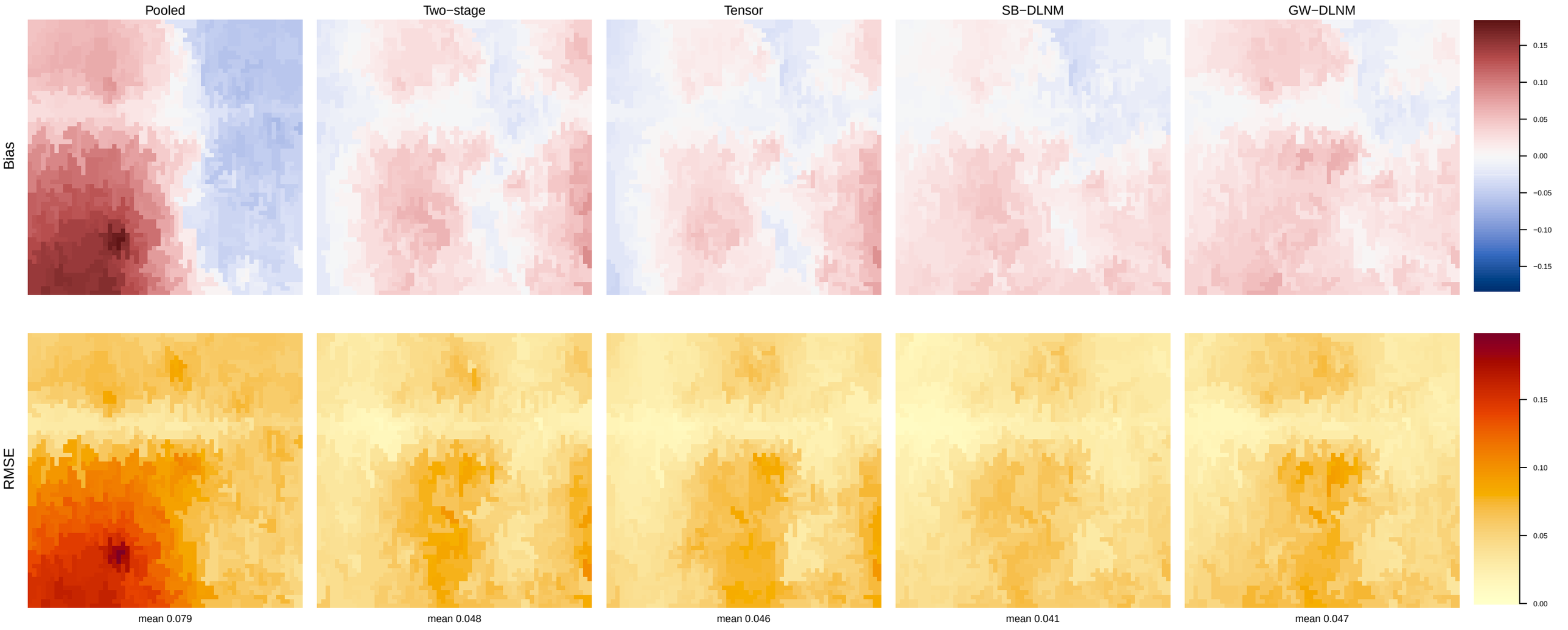
Scenario 285: square region, 480 counties, mild inequality, independent pattern, spread 0.15, valley gradient, linear exposure−response, event rate 8, RR 1.2, harvest lag



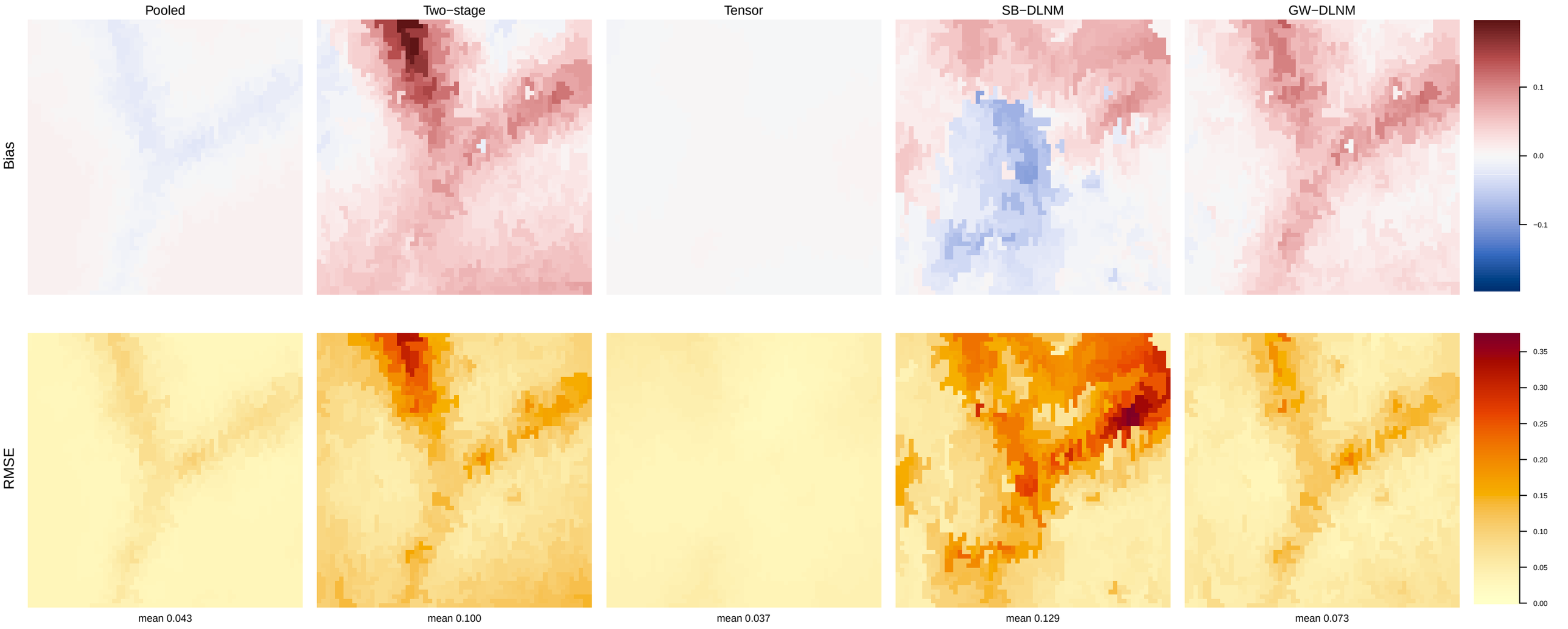
Scenario 605: square region, 480 counties, mild inequality, local pattern, spread 0.30, edges gradient, threshold exposure−response, event rate 0.5, RR 1.6, short lag



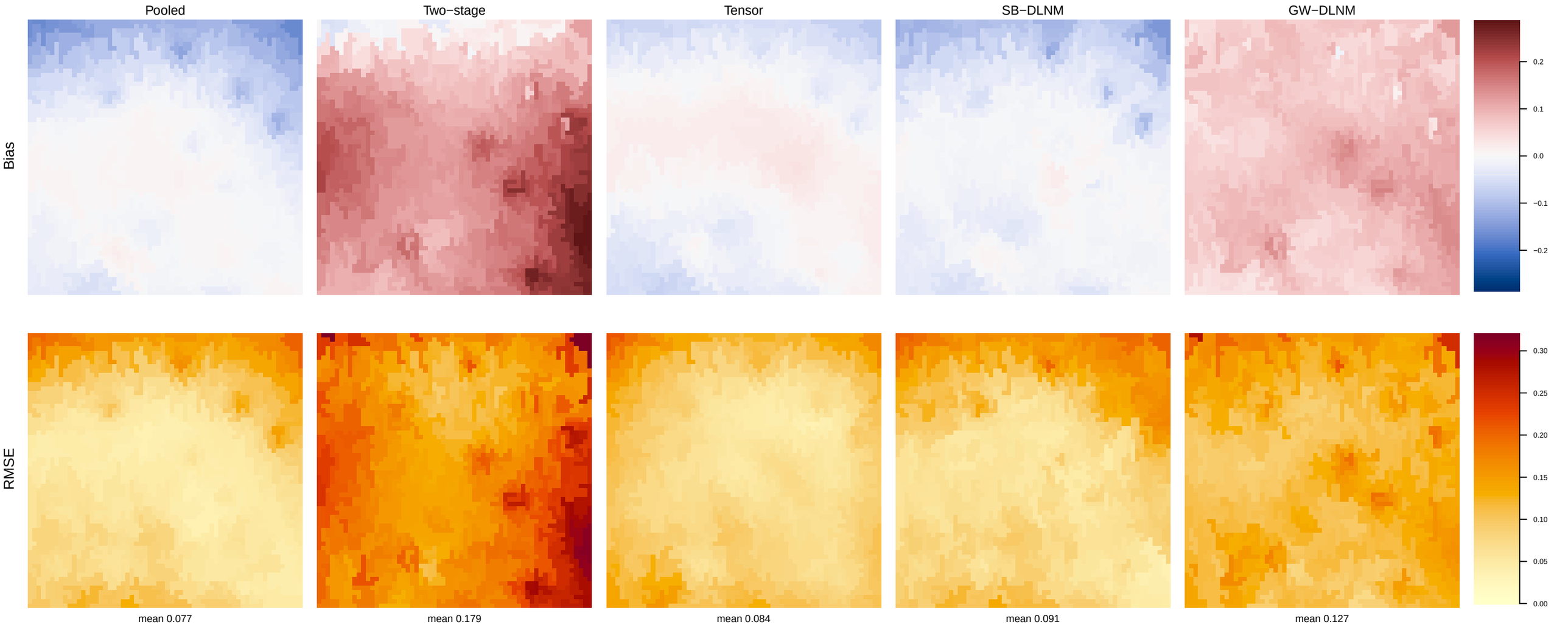
Scenario 669: square region, 480 counties, mild inequality, regional pattern, spread 0.30, NS gradient, threshold exposure−response, event rate 2, RR 1.2, harvest lag



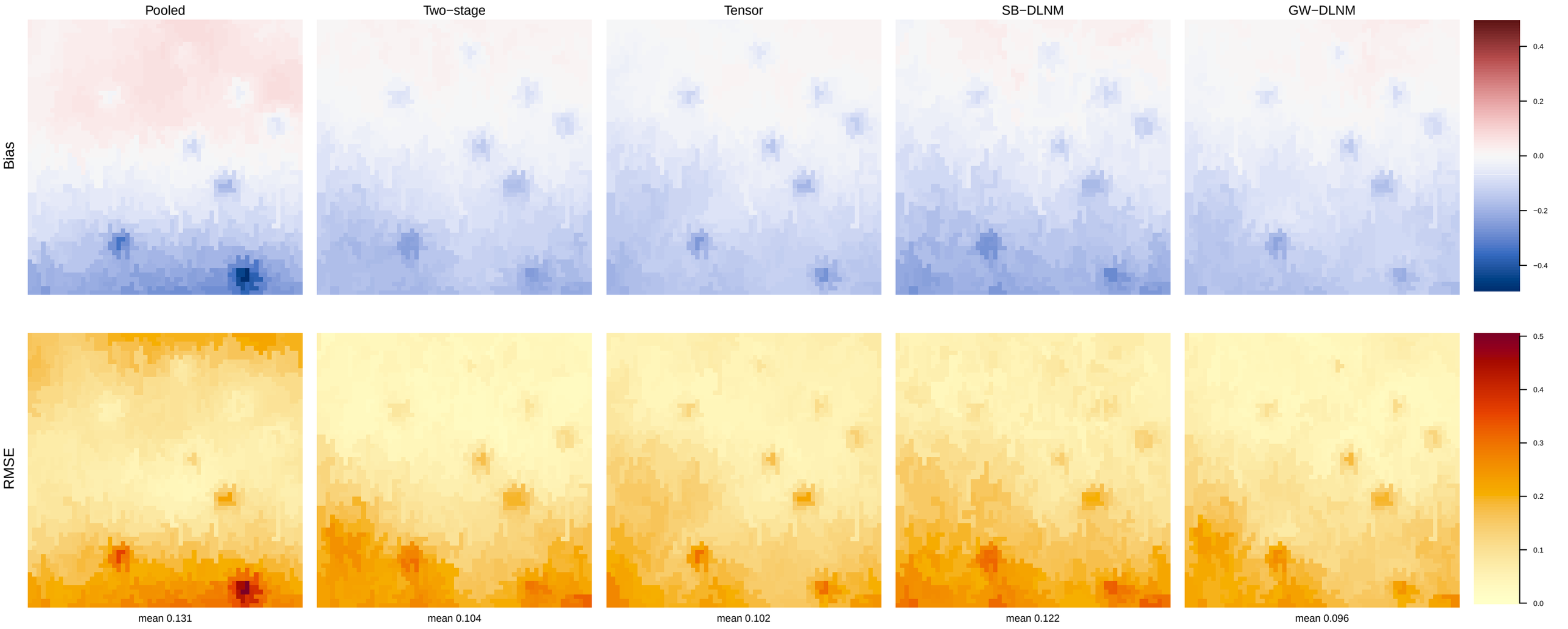
Scenario 733: square region, 480 counties, mild inequality, boundary pattern, spread 0.30, ridge gradient, threshold exposure−response, event rate 8, RR 1.4, delayed lag



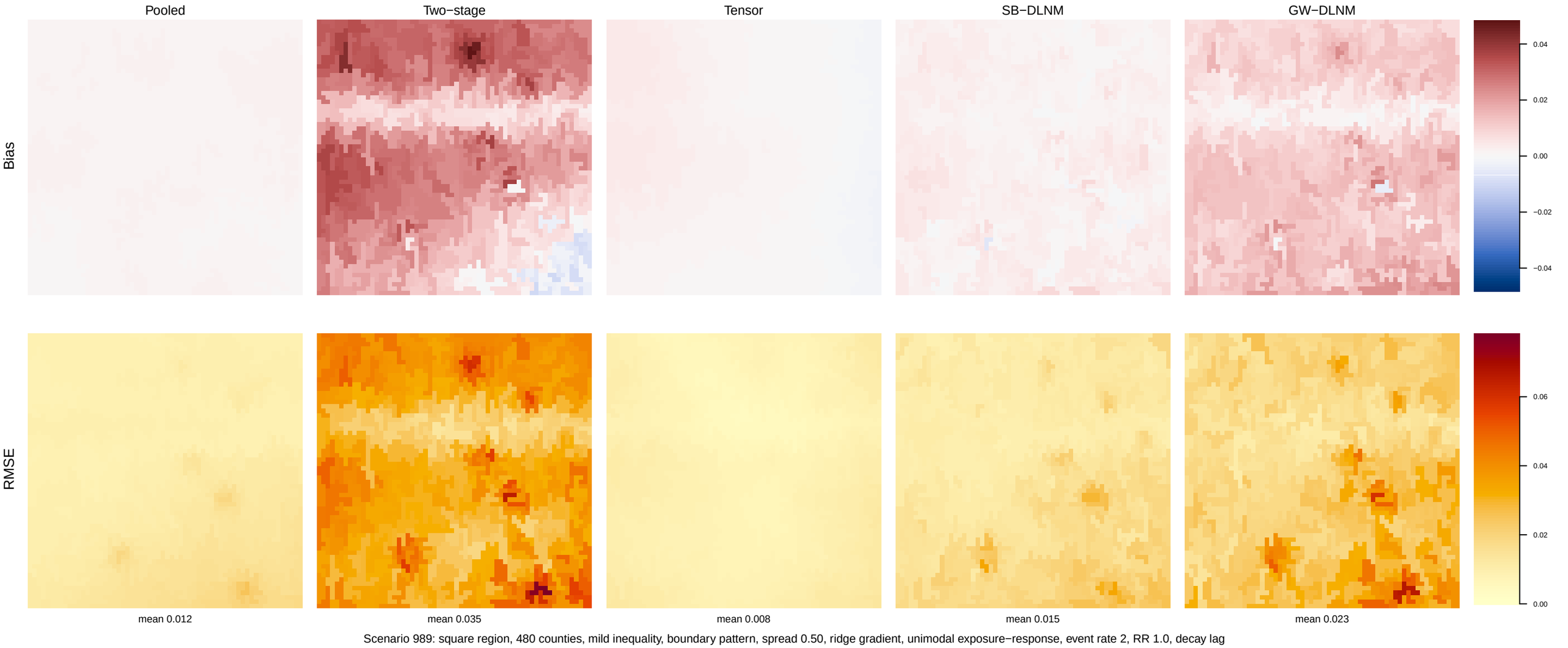
Scenario 541: square region, 480 counties, mild inequality, independent pattern, spread 0.30, valley gradient, threshold exposure−response, event rate 0.125, RR 1.0, decay lag



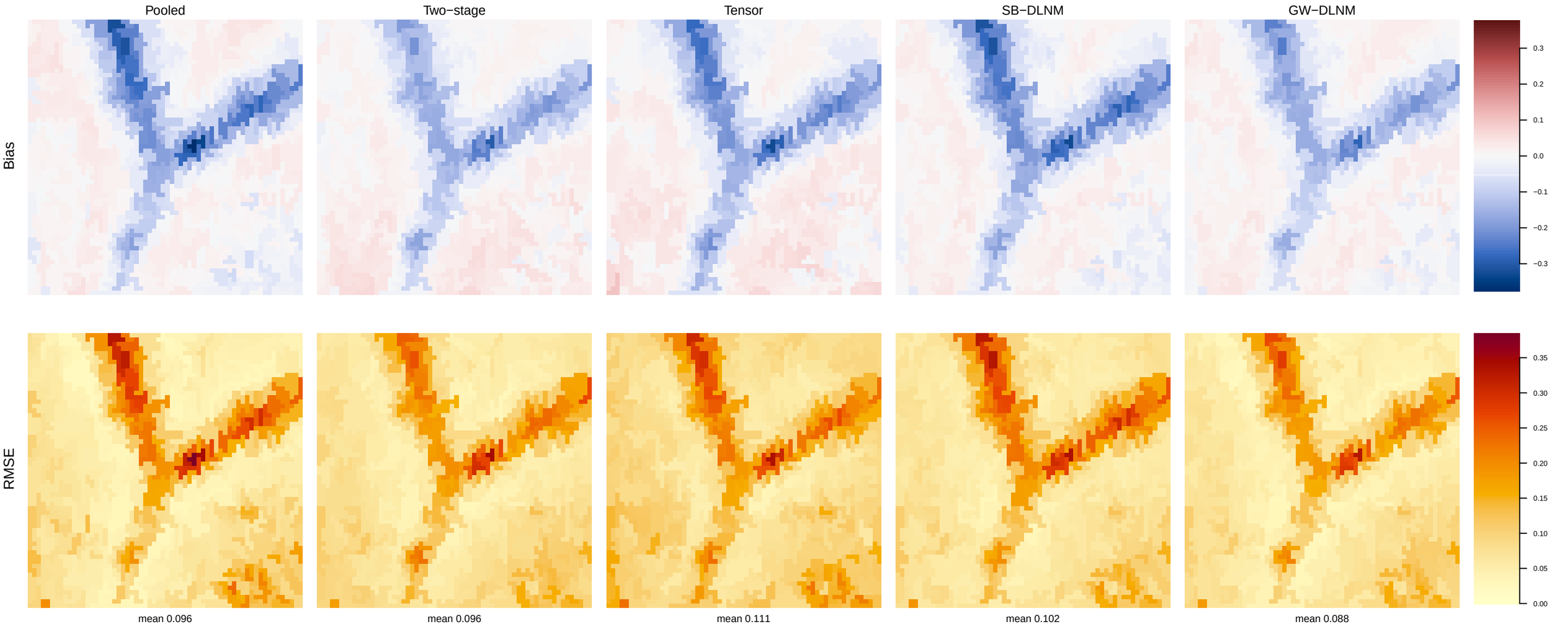
Scenario 861: square region, 480 counties, mild inequality, local pattern, spread 0.50, edges gradient, unimodal exposure−response, event rate 0.125, RR 1.2, harvest lag



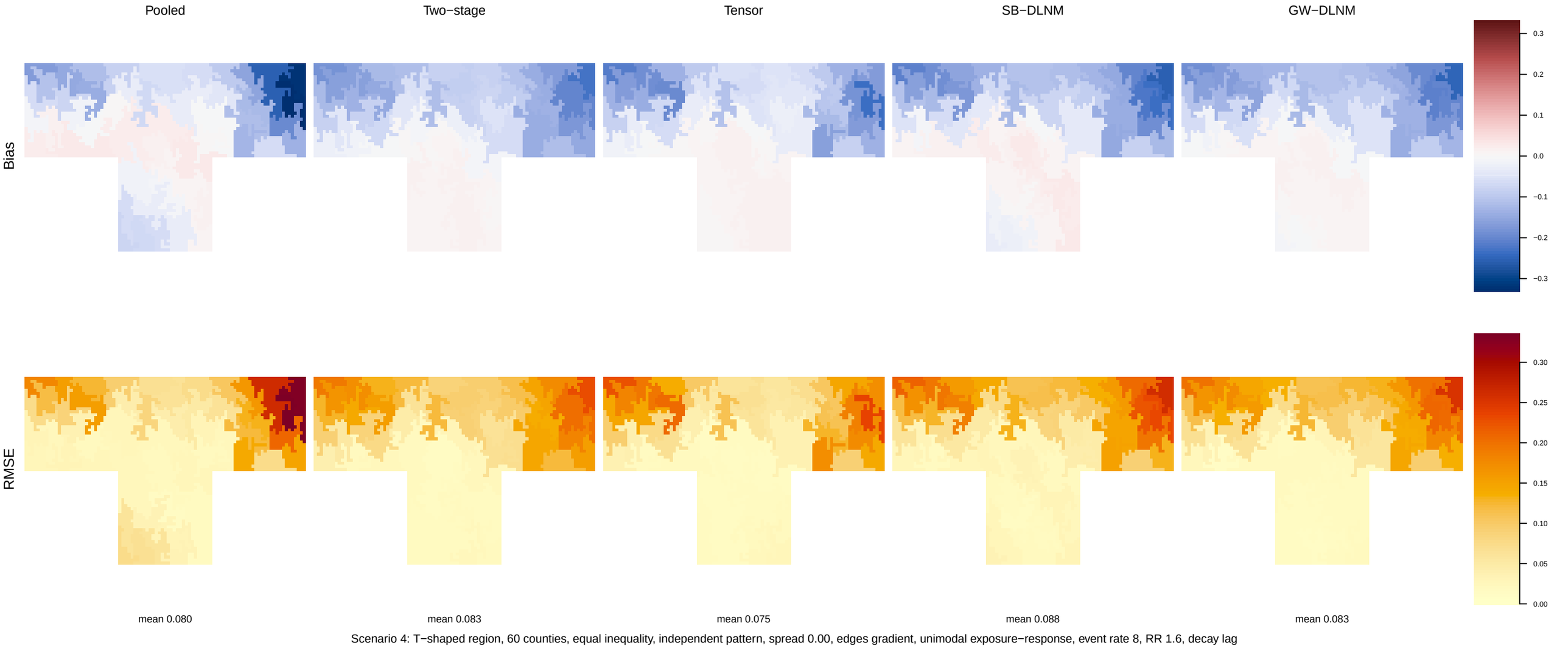
Scenario 925: square region, 480 counties, mild inequality, regional pattern, spread 0.50, NS gradient, unimodal exposure−response, event rate 8, RR 1.6, short lag



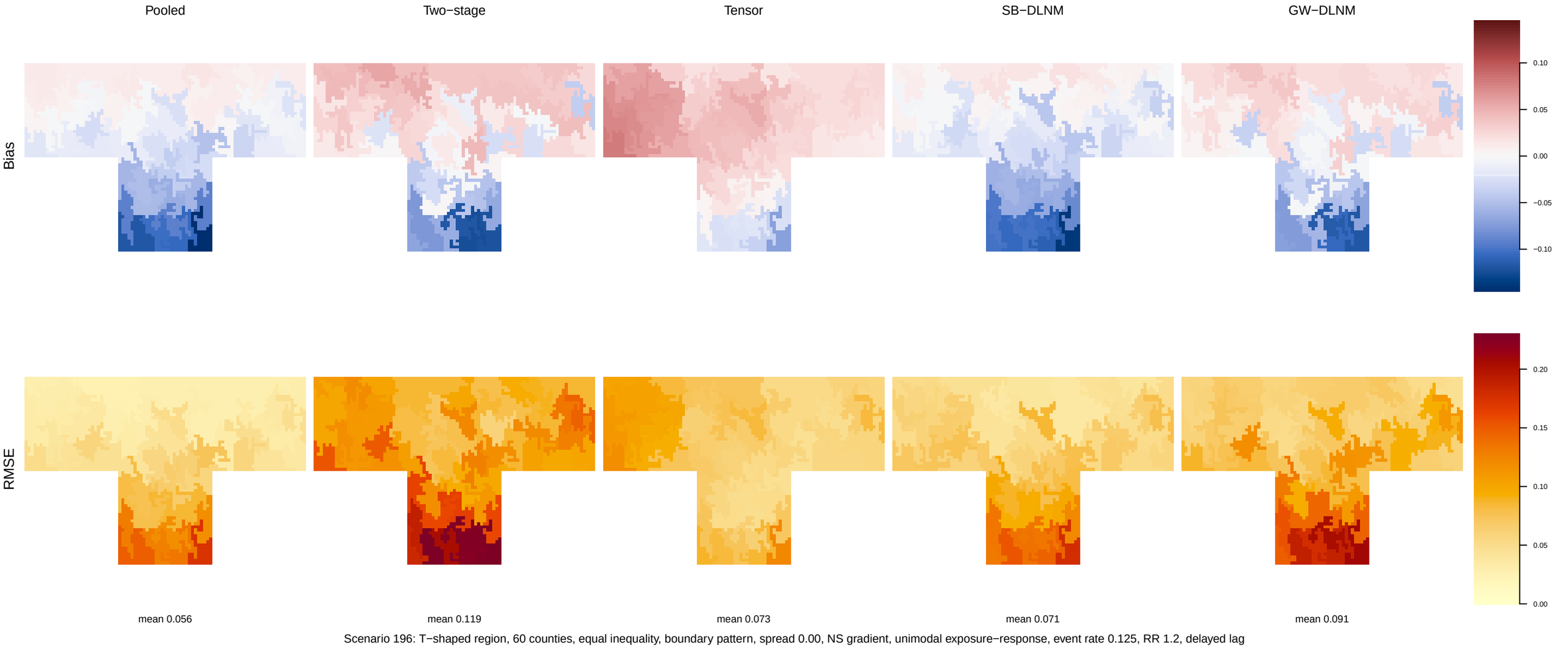
Scenario 989: square region, 480 counties, mild inequality, boundary pattern, spread 0.50, ridge gradient, unimodal exposure−response, event rate 2, RR 1.0, decay lag



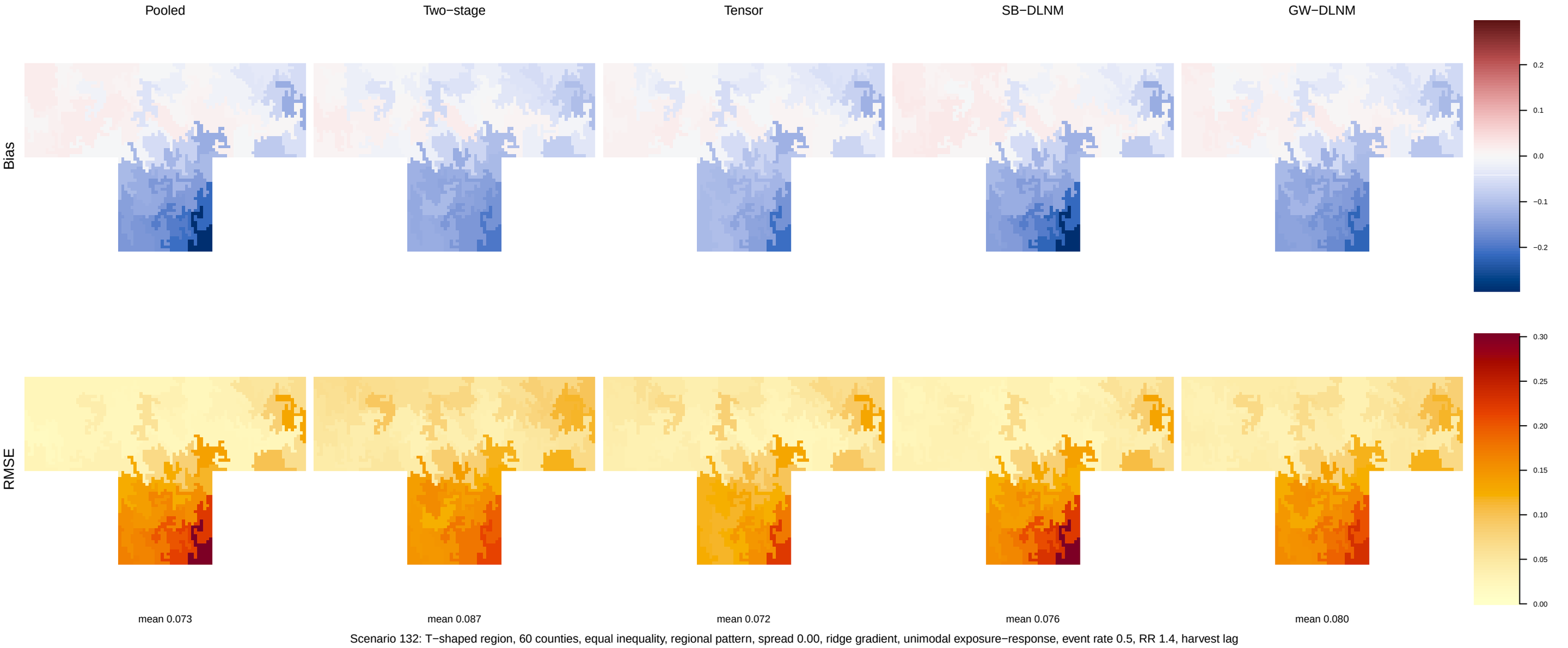
Scenario 797: square region, 480 counties, mild inequality, independent pattern, spread 0.50, valley gradient, unimodal exposure−response, event rate 0.5, RR 1.4, delayed lag



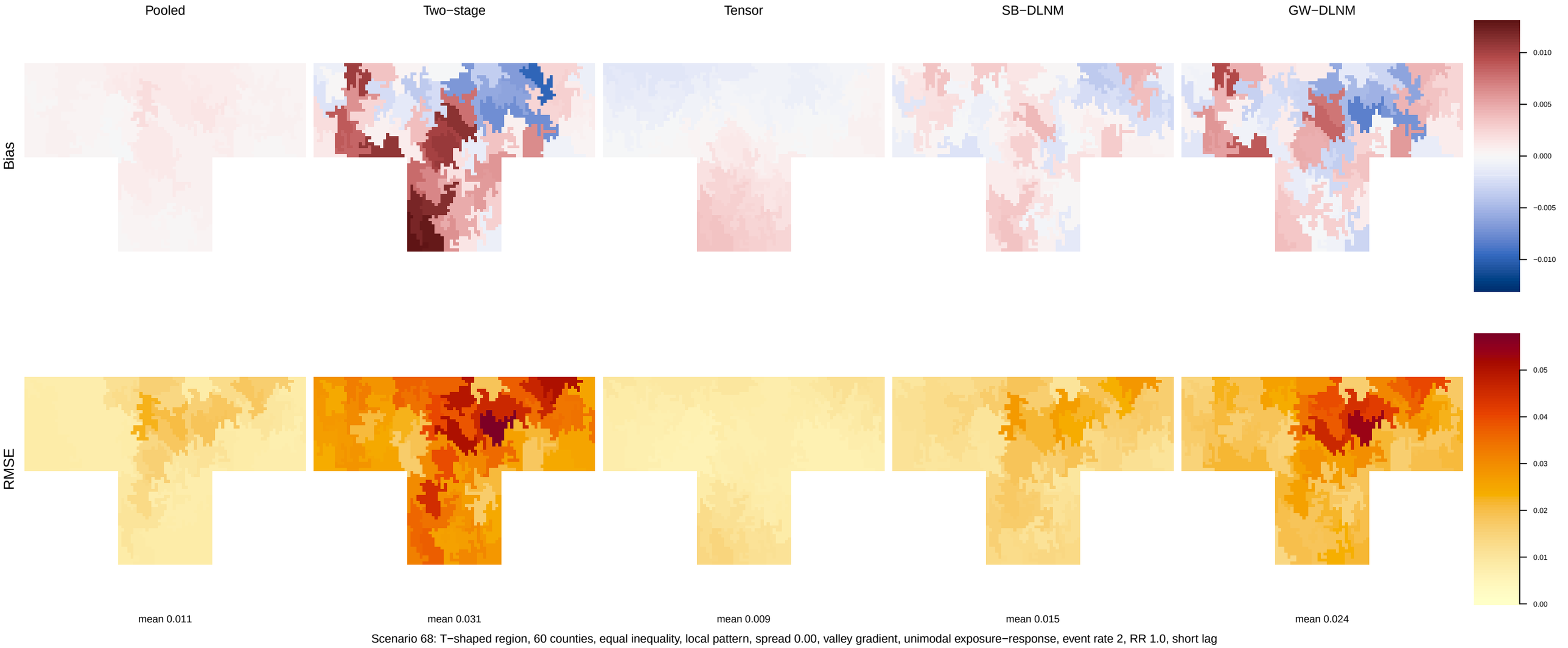
Scenario 4: T−shaped region, 60 counties, equal inequality, independent pattern, spread 0.00, edges gradient, unimodal exposure−response, event rate 8, RR 1.6, decay lag



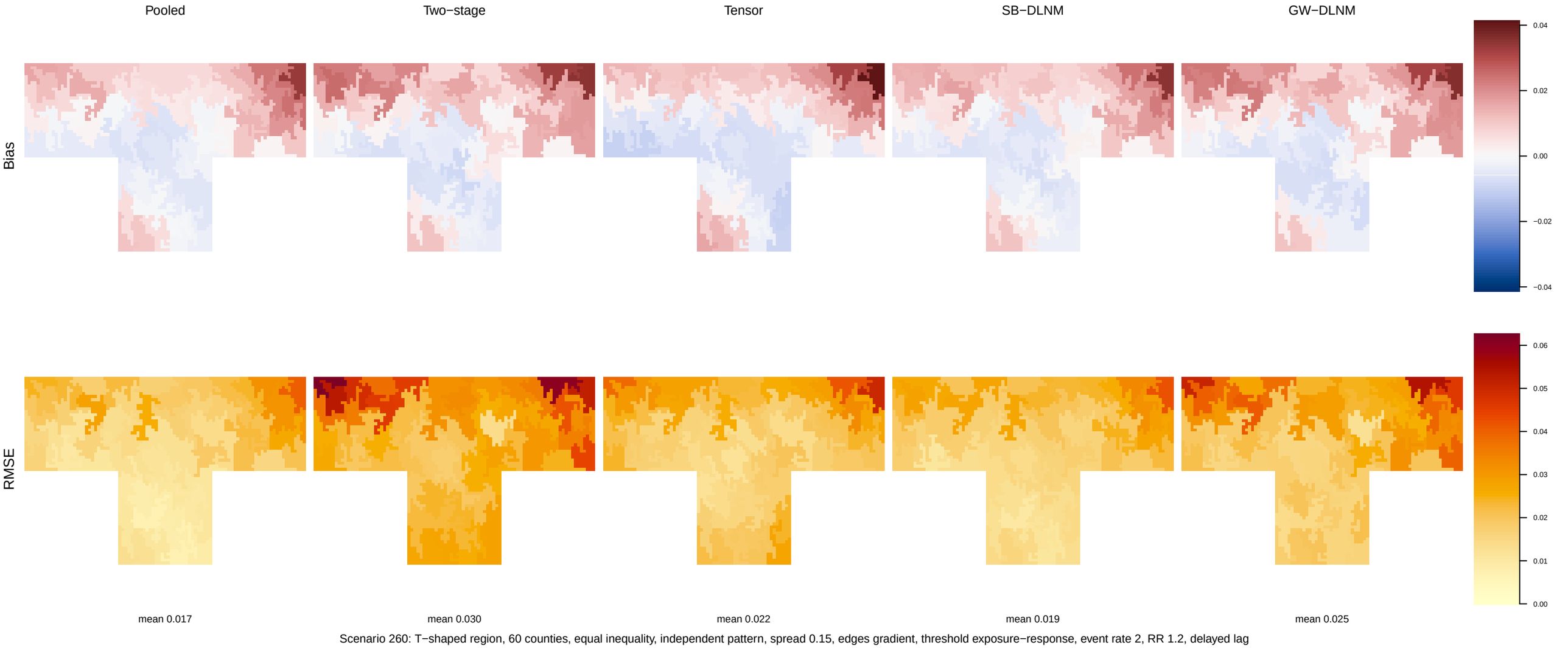
Scenario 196: T−shaped region, 60 counties, equal inequality, boundary pattern, spread 0.00, NS gradient, unimodal exposure−response, event rate 0.125, RR 1.2, delayed lag



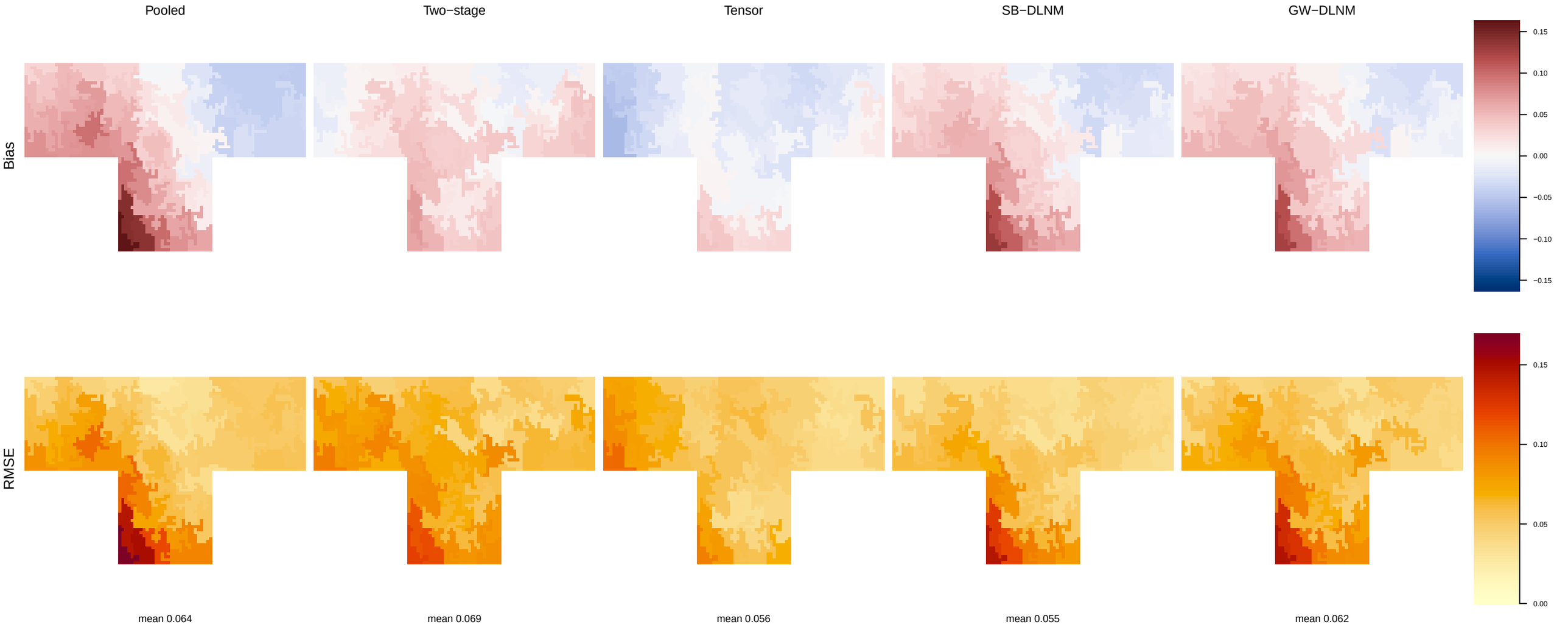
Scenario 132: T−shaped region, 60 counties, equal inequality, regional pattern, spread 0.00, ridge gradient, unimodal exposure−response, event rate 0.5, RR 1.4, harvest lag



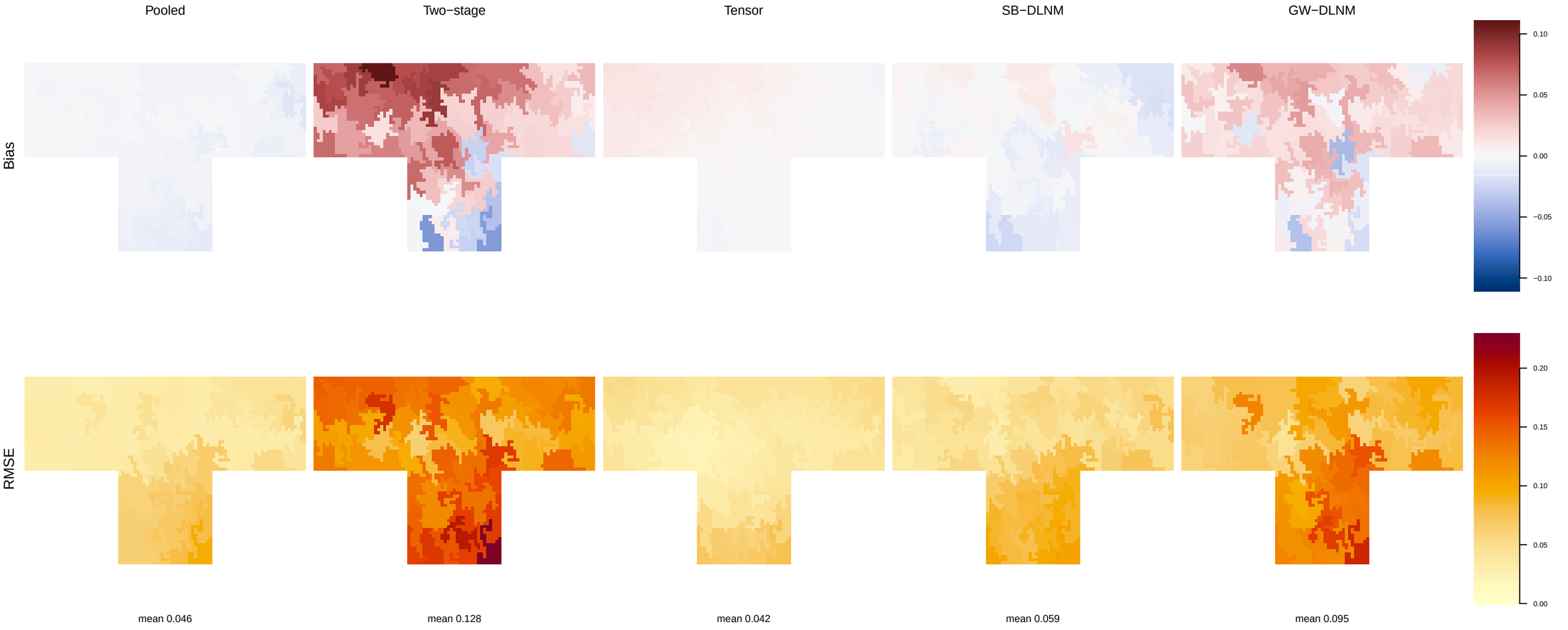
Scenario 68: T−shaped region, 60 counties, equal inequality, local pattern, spread 0.00, valley gradient, unimodal exposure−response, event rate 2, RR 1.0, short lag



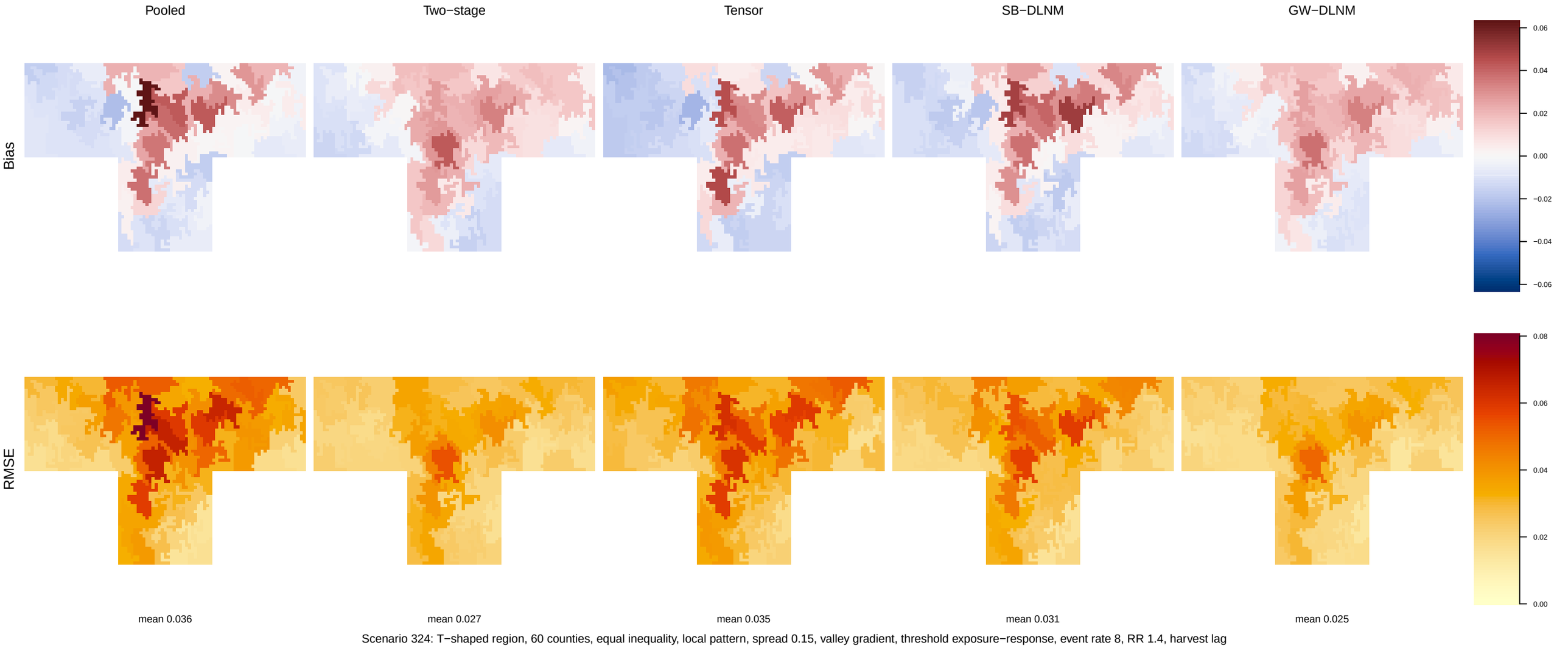
Scenario 260: T−shaped region, 60 counties, equal inequality, independent pattern, spread 0.15, edges gradient, threshold exposure−response, event rate 2, RR 1.2, delayed lag



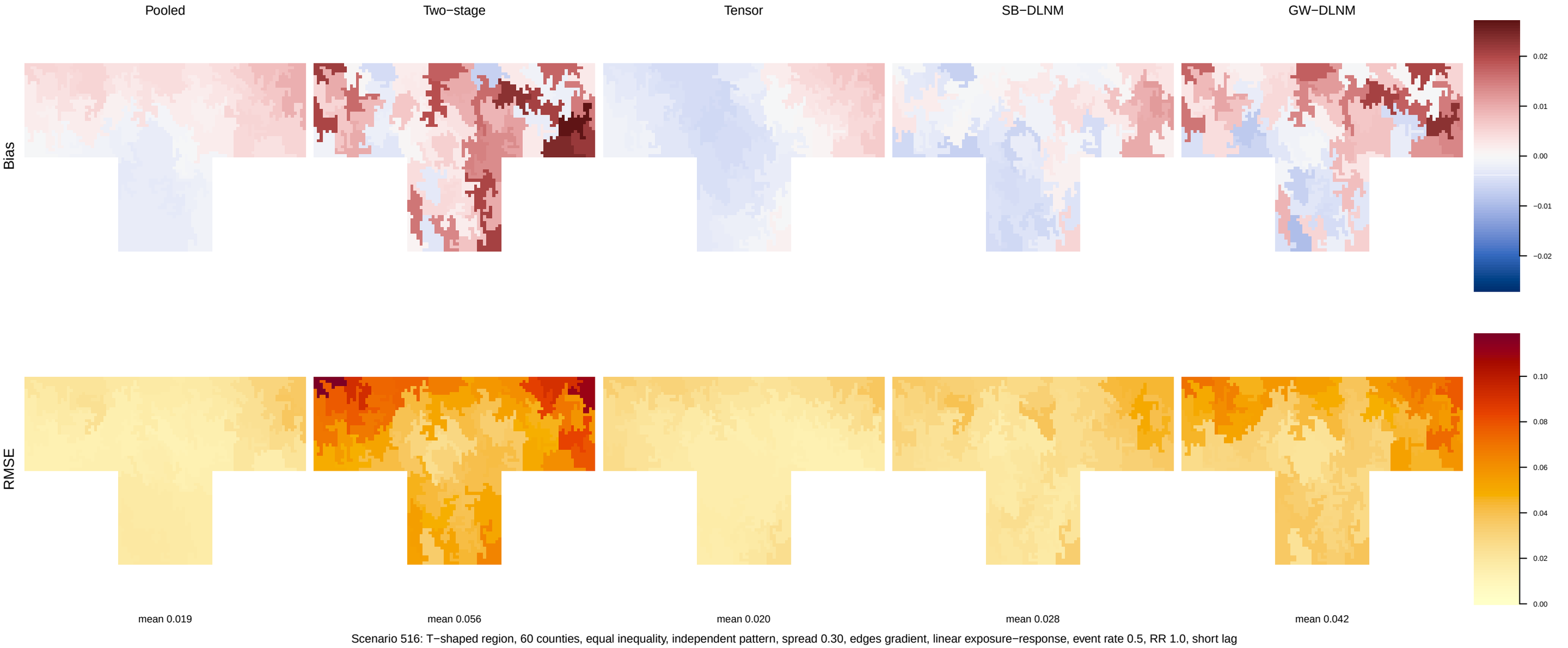
Scenario 452: T−shaped region, 60 counties, equal inequality, boundary pattern, spread 0.15, NS gradient, threshold exposure−response, event rate 0.5, RR 1.6, decay lag



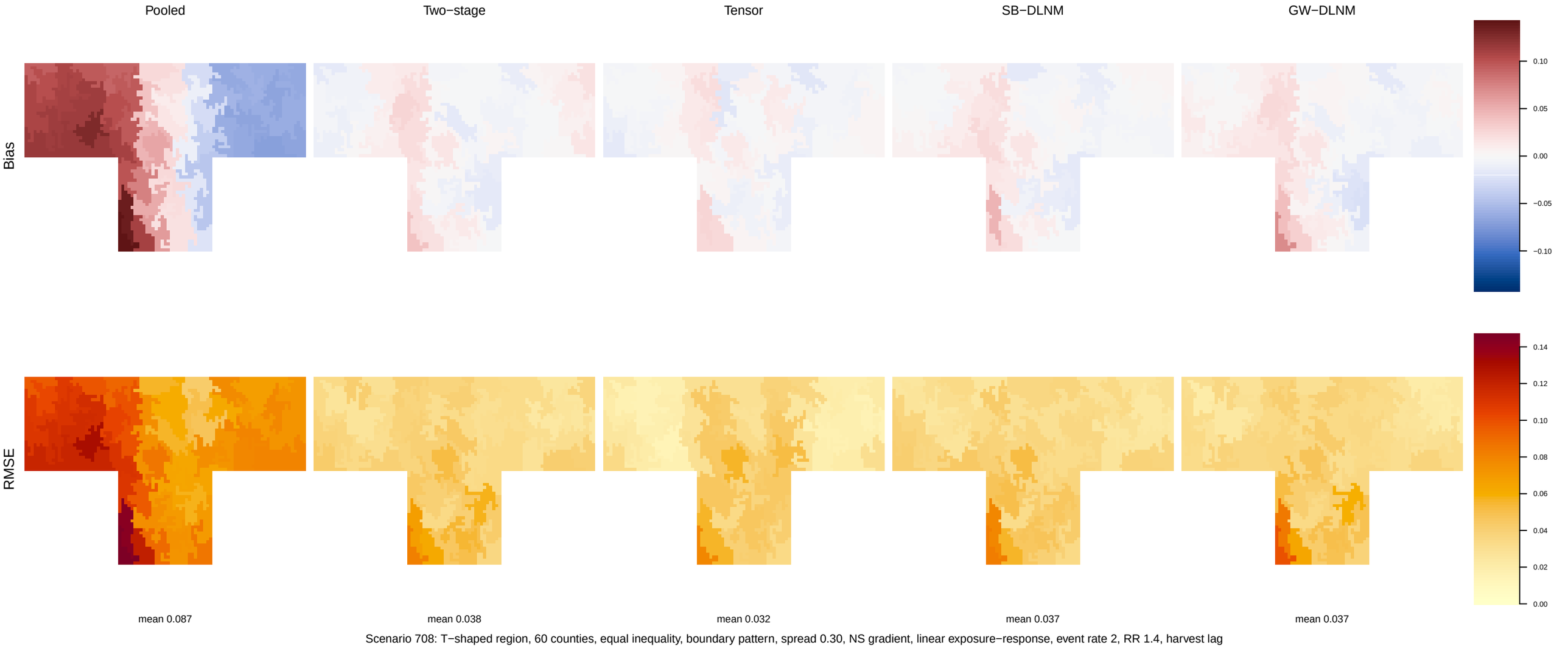
Scenario 388: T−shaped region, 60 counties, equal inequality, regional pattern, spread 0.15, ridge gradient, threshold exposure−response, event rate 0.125, RR 1.0, short lag



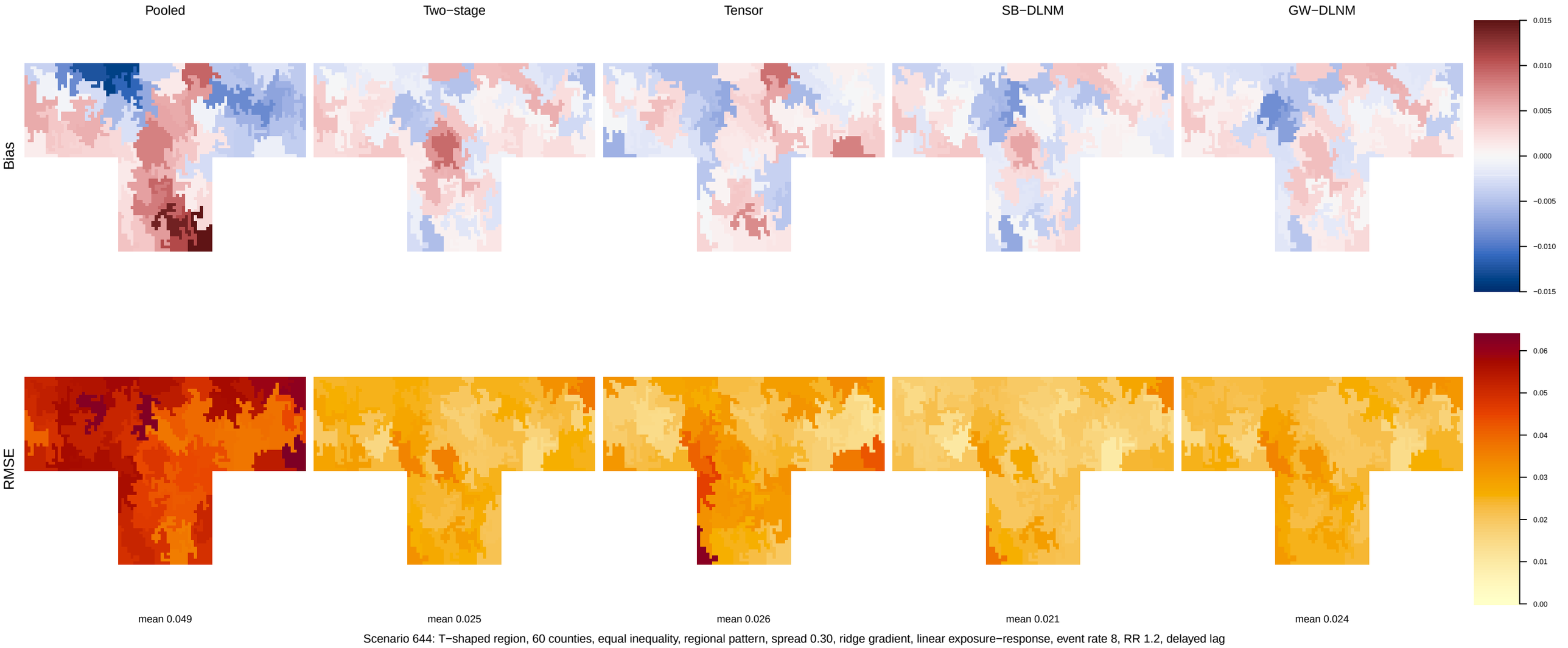
Scenario 324: T−shaped region, 60 counties, equal inequality, local pattern, spread 0.15, valley gradient, threshold exposure−response, event rate 8, RR 1.4, harvest lag



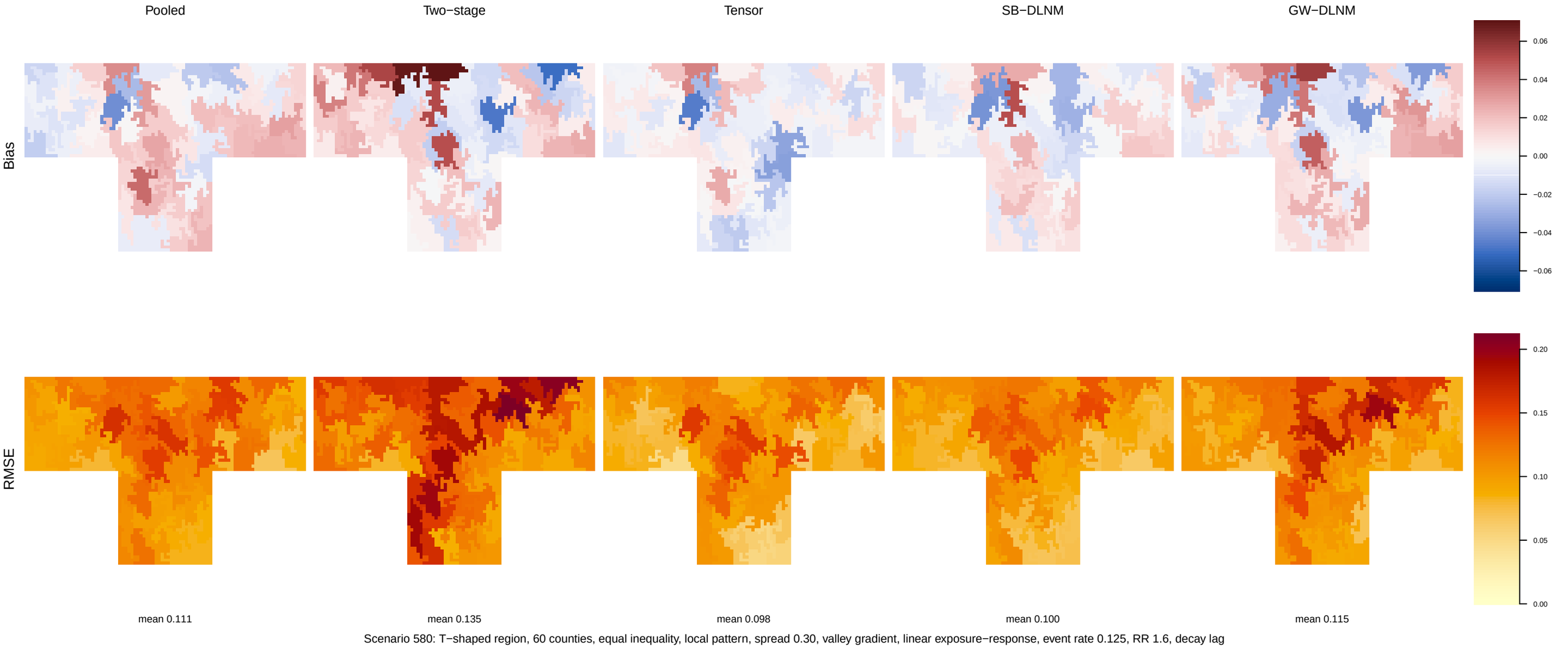
Scenario 516: T−shaped region, 60 counties, equal inequality, independent pattern, spread 0.30, edges gradient, linear exposure−response, event rate 0.5, RR 1.0, short lag



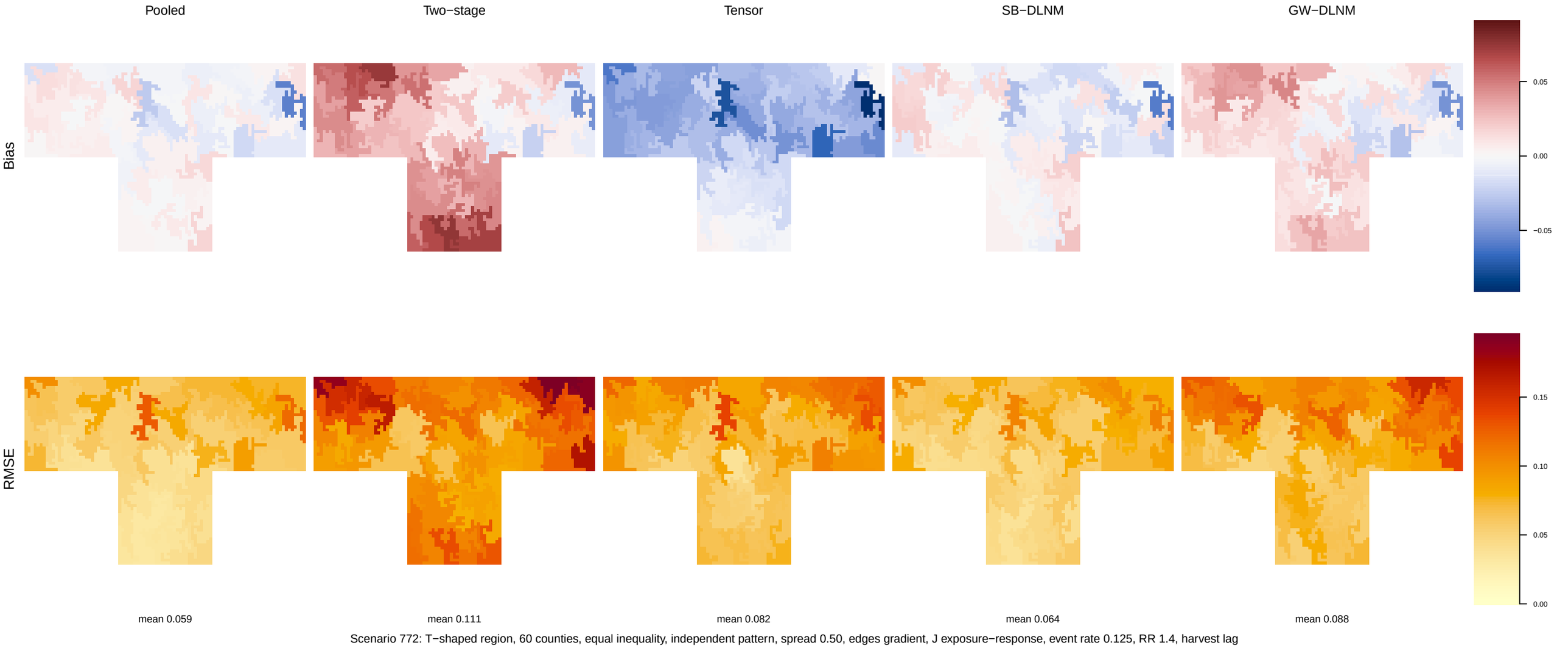
Scenario 708: T−shaped region, 60 counties, equal inequality, boundary pattern, spread 0.30, NS gradient, linear exposure−response, event rate 2, RR 1.4, harvest lag



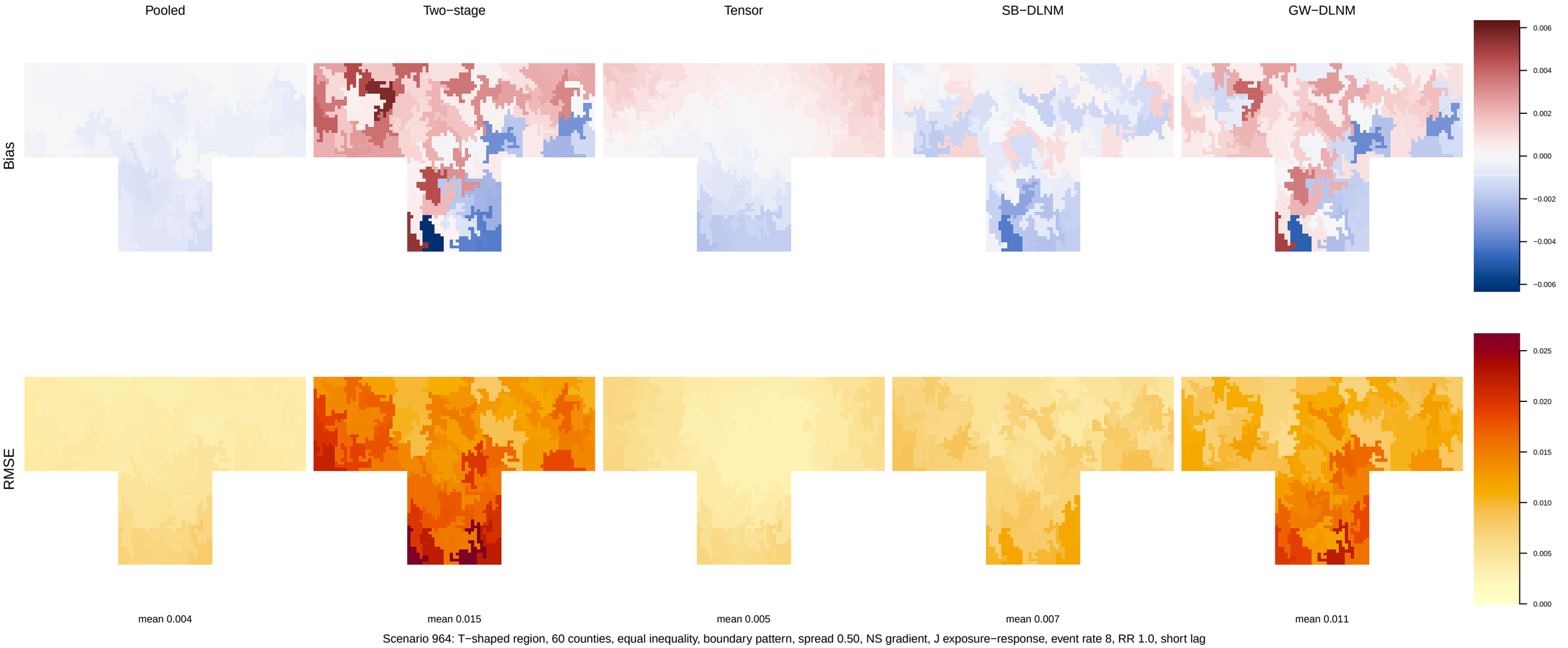
Scenario 644: T−shaped region, 60 counties, equal inequality, regional pattern, spread 0.30, ridge gradient, linear exposure−response, event rate 8, RR 1.2, delayed lag



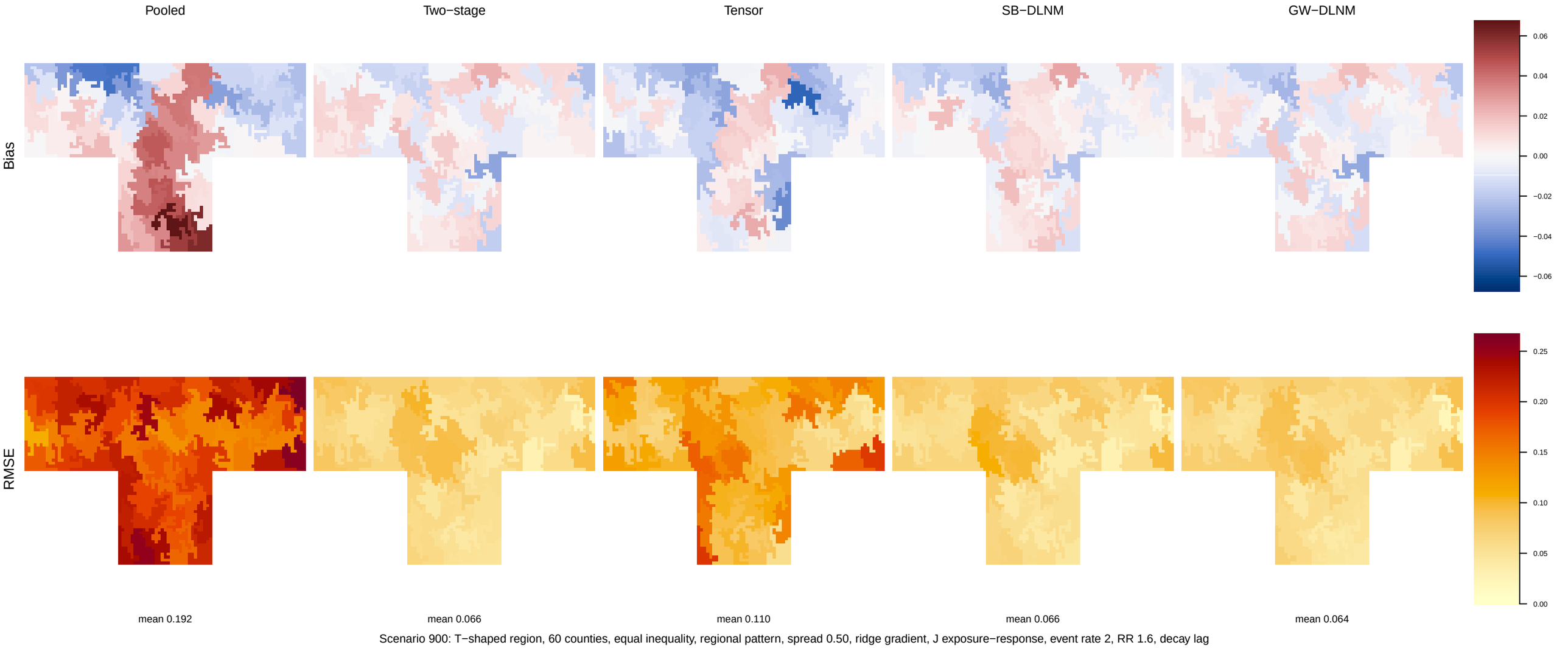
Scenario 580: T−shaped region, 60 counties, equal inequality, local pattern, spread 0.30, valley gradient, linear exposure−response, event rate 0.125, RR 1.6, decay lag



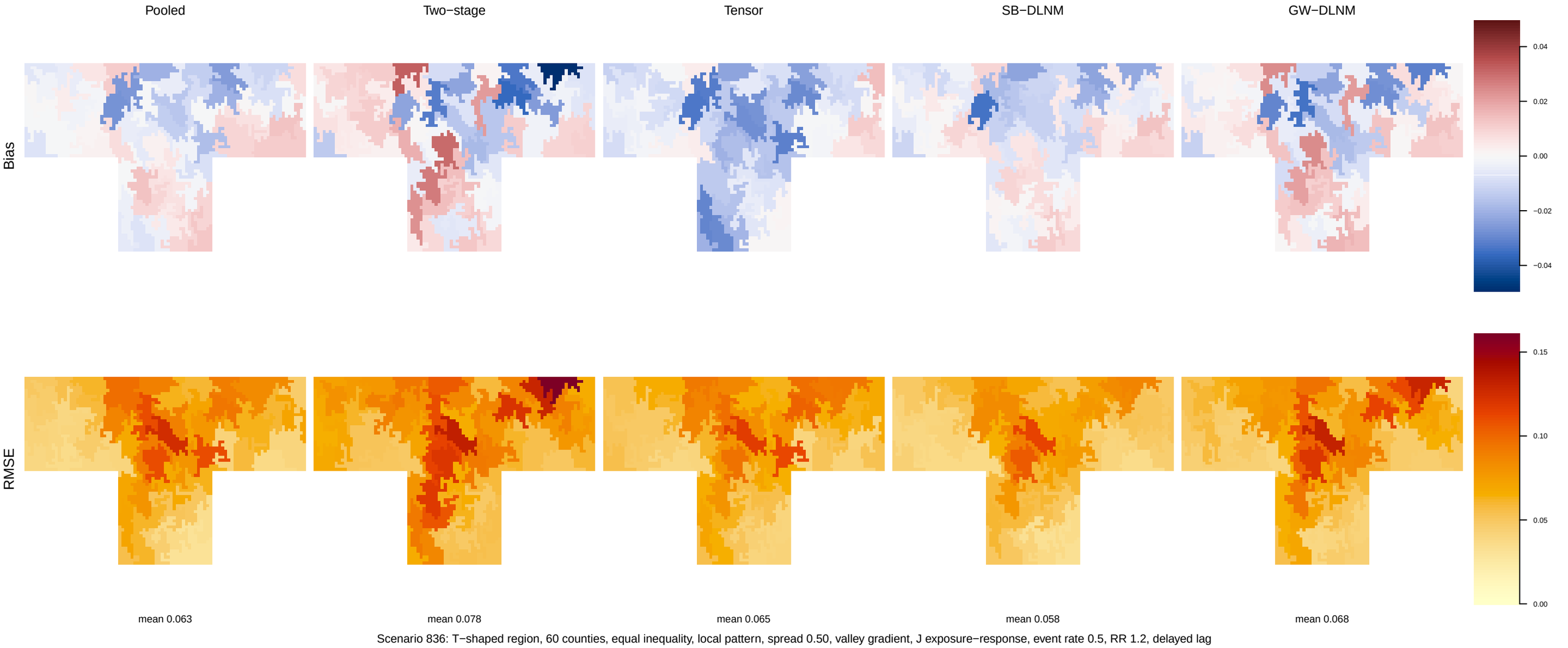
Scenario 772: T−shaped region, 60 counties, equal inequality, independent pattern, spread 0.50, edges gradient, J exposure−response, event rate 0.125, RR 1.4, harvest lag



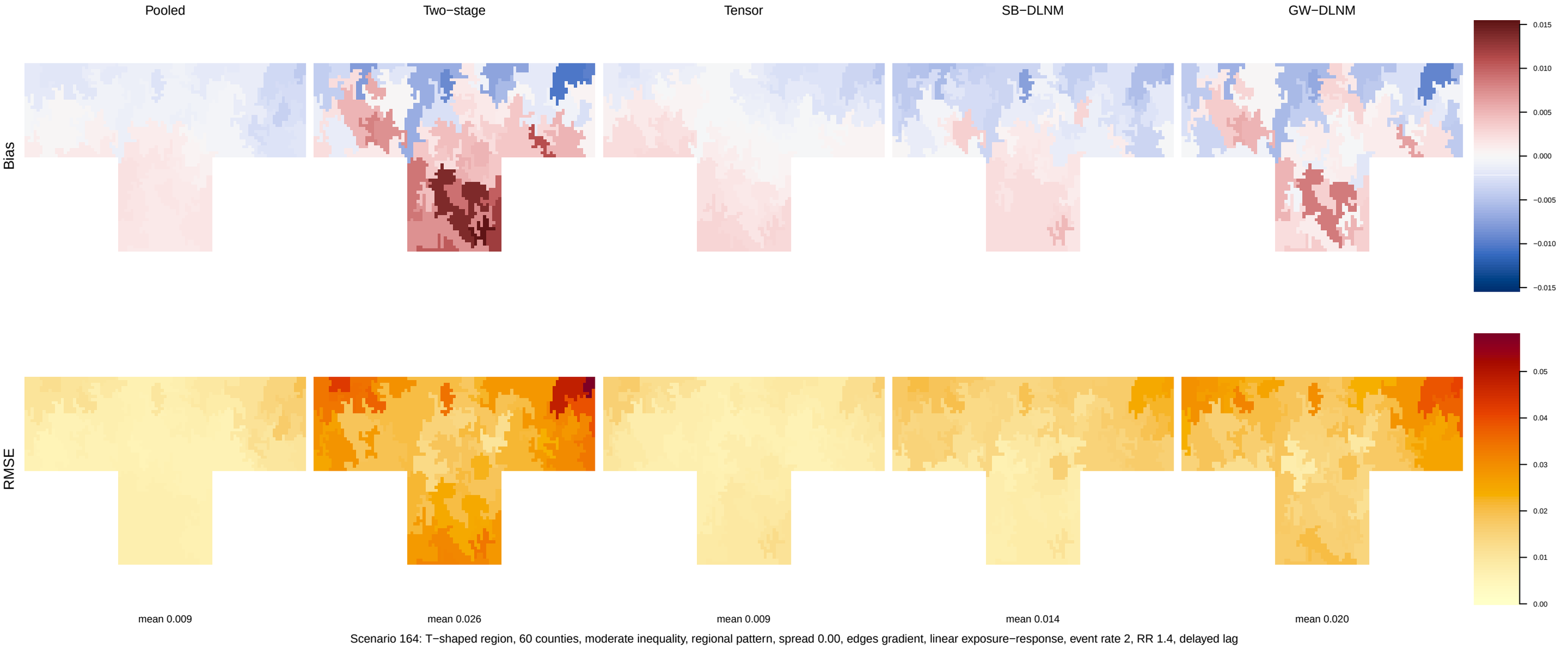
Scenario 964: T−shaped region, 60 counties, equal inequality, boundary pattern, spread 0.50, NS gradient, J exposure−response, event rate 8, RR 1.0, short lag



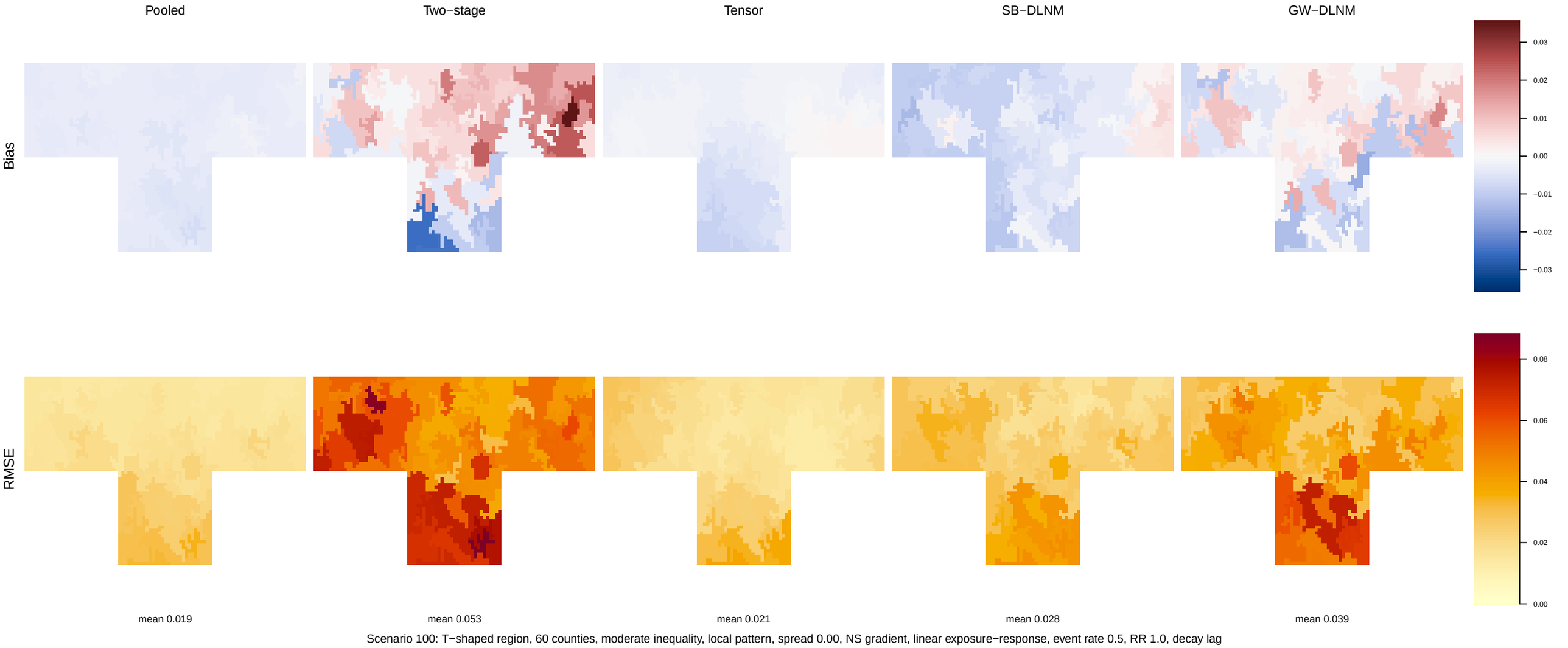
Scenario 900: T−shaped region, 60 counties, equal inequality, regional pattern, spread 0.50, ridge gradient, J exposure−response, event rate 2, RR 1.6, decay lag



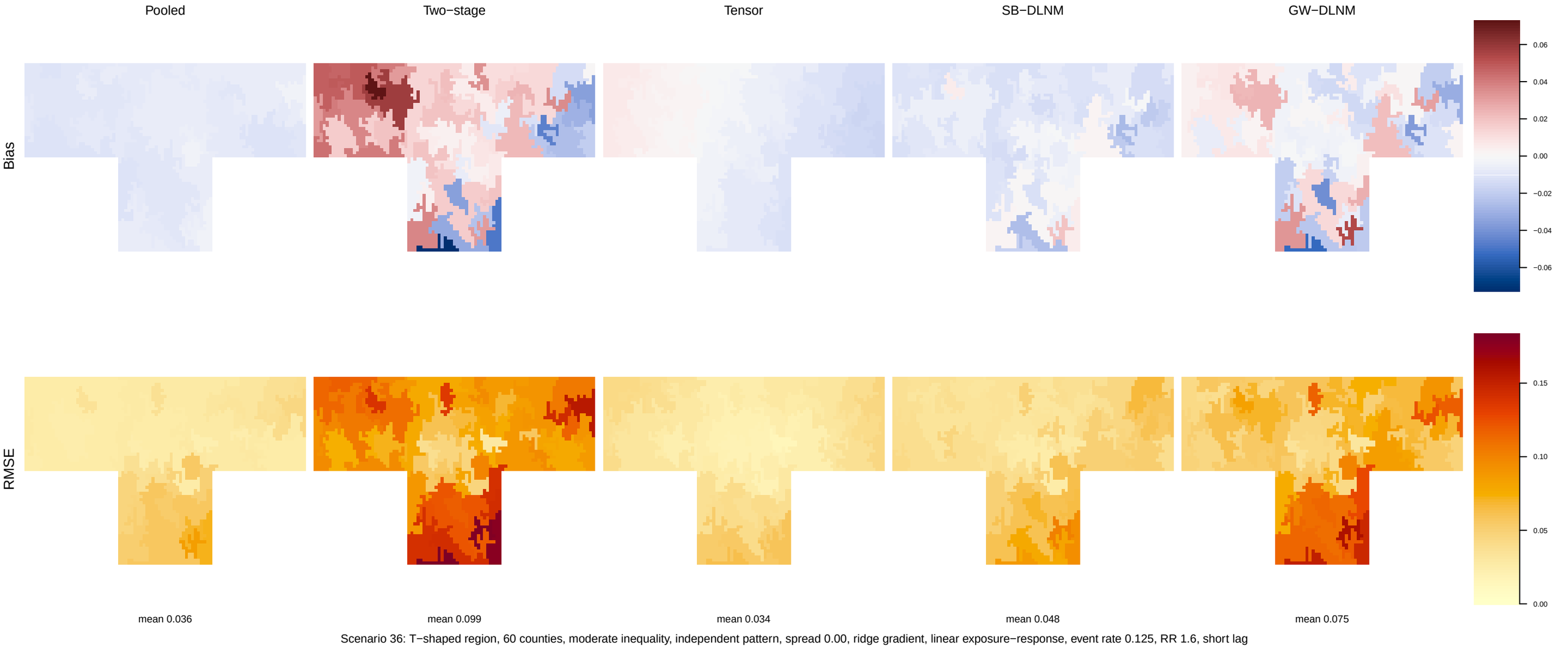
Scenario 836: T−shaped region, 60 counties, equal inequality, local pattern, spread 0.50, valley gradient, J exposure−response, event rate 0.5, RR 1.2, delayed lag



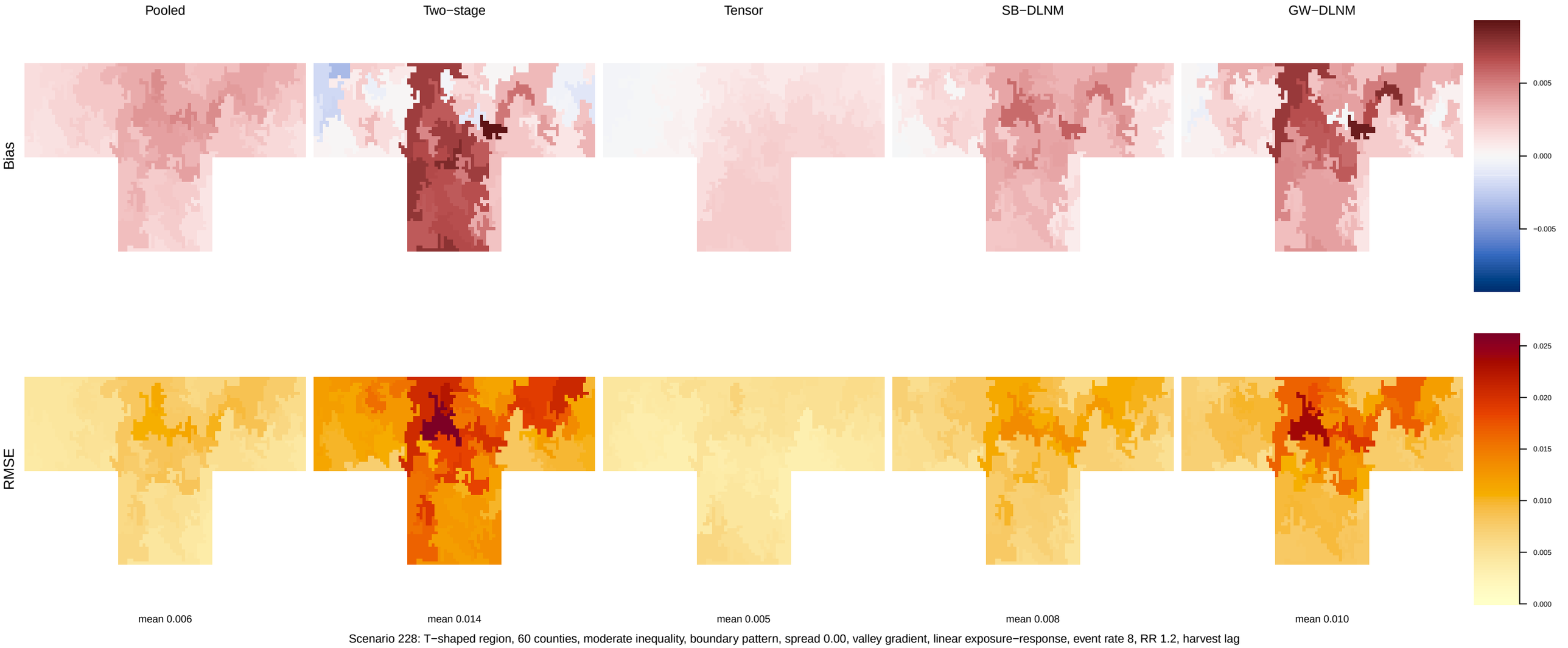
Scenario 164: T−shaped region, 60 counties, moderate inequality, regional pattern, spread 0.00, edges gradient, linear exposure−response, event rate 2, RR 1.4, delayed lag



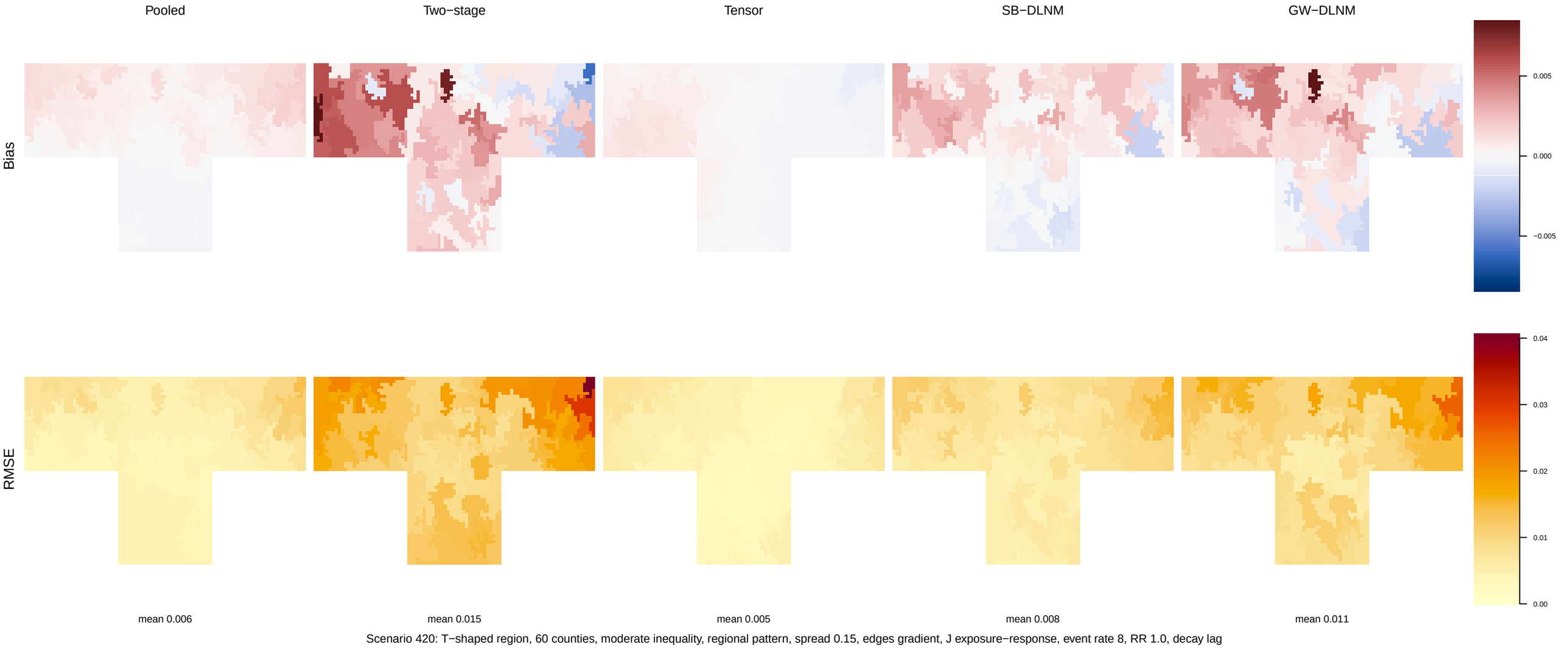
Scenario 100: T−shaped region, 60 counties, moderate inequality, local pattern, spread 0.00, NS gradient, linear exposure−response, event rate 0.5, RR 1.0, decay lag



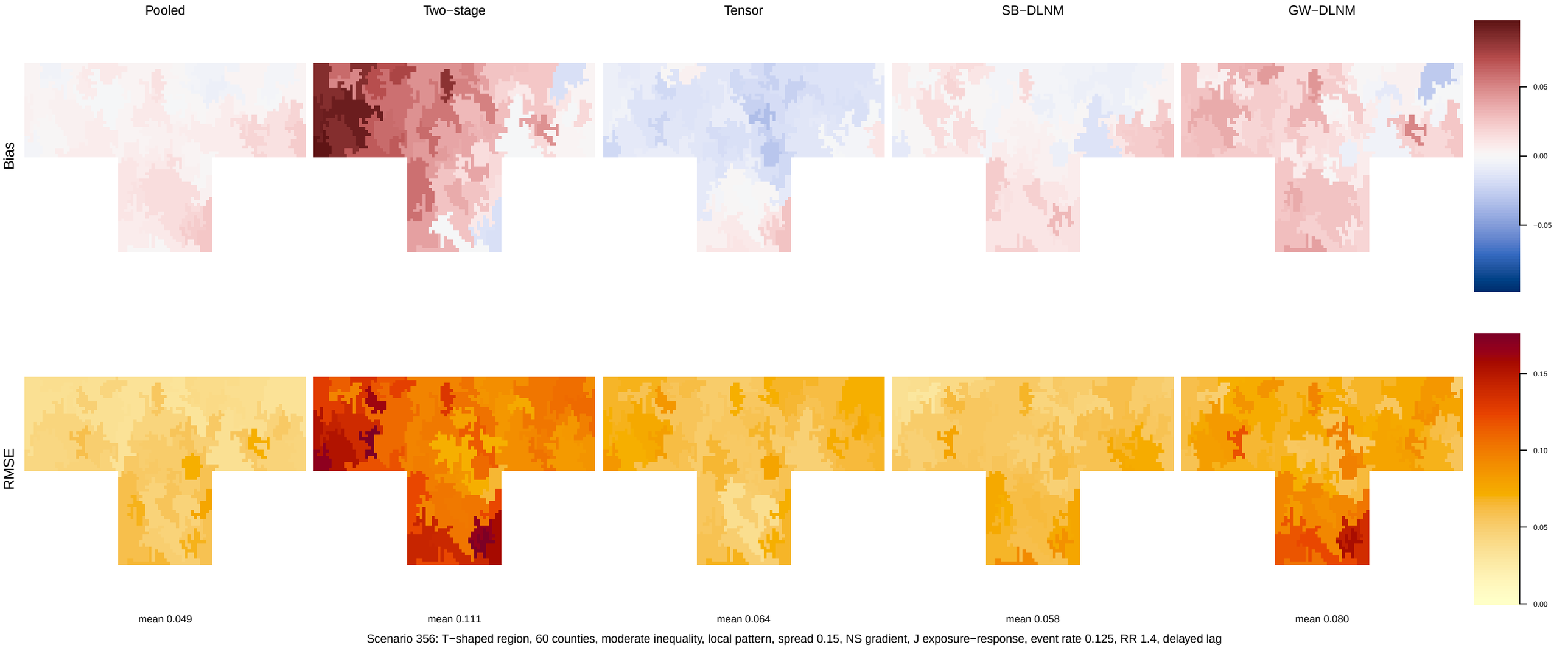
Scenario 36: T−shaped region, 60 counties, moderate inequality, independent pattern, spread 0.00, ridge gradient, linear exposure−response, event rate 0.125, RR 1.6, short lag



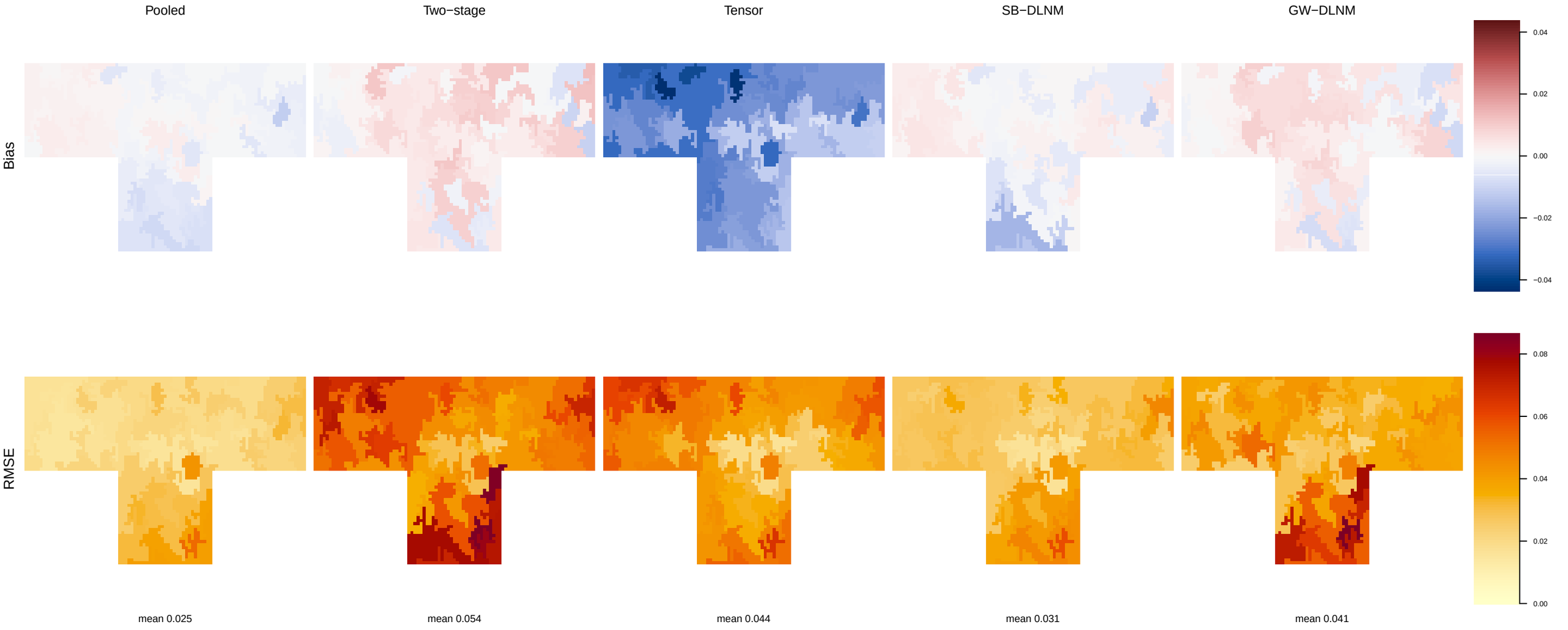
Scenario 228: T−shaped region, 60 counties, moderate inequality, boundary pattern, spread 0.00, valley gradient, linear exposure−response, event rate 8, RR 1.2, harvest lag



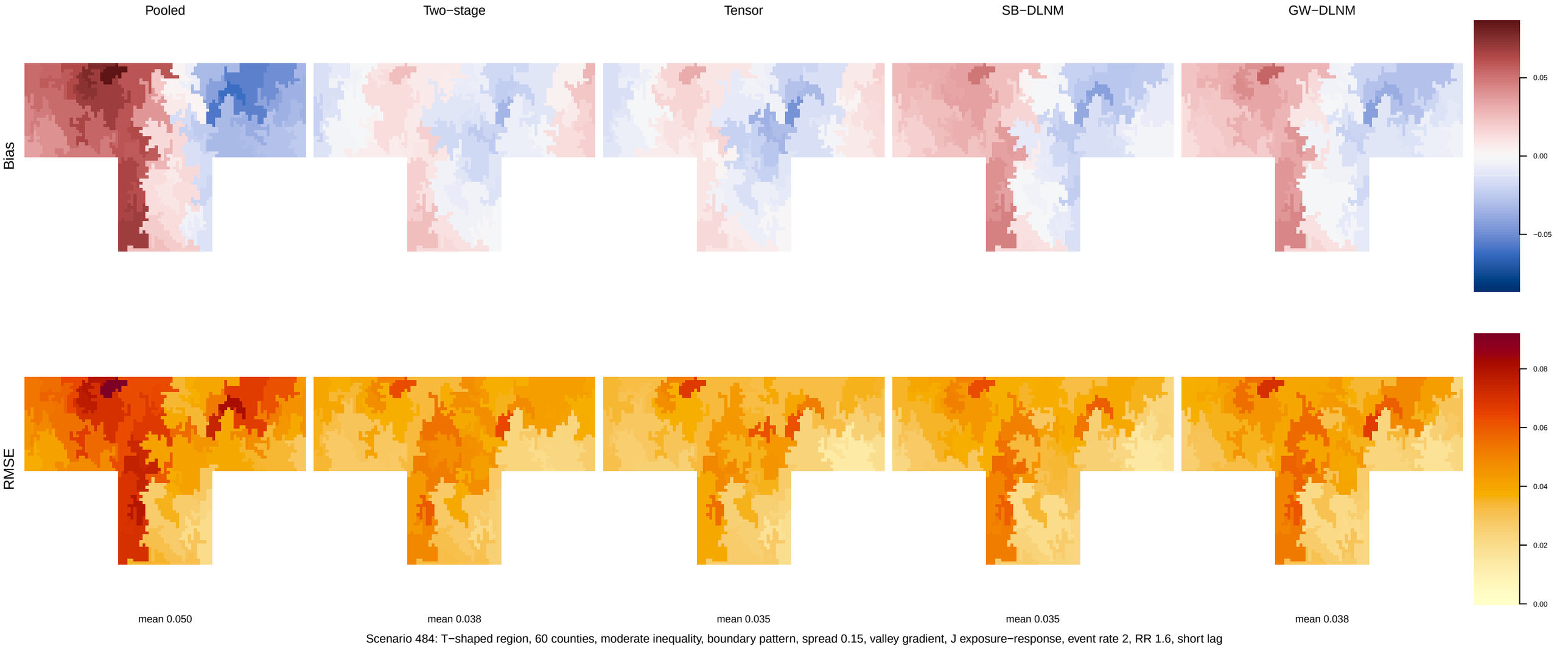
Scenario 420: T−shaped region, 60 counties, moderate inequality, regional pattern, spread 0.15, edges gradient, J exposure−response, event rate 8, RR 1.0, decay lag



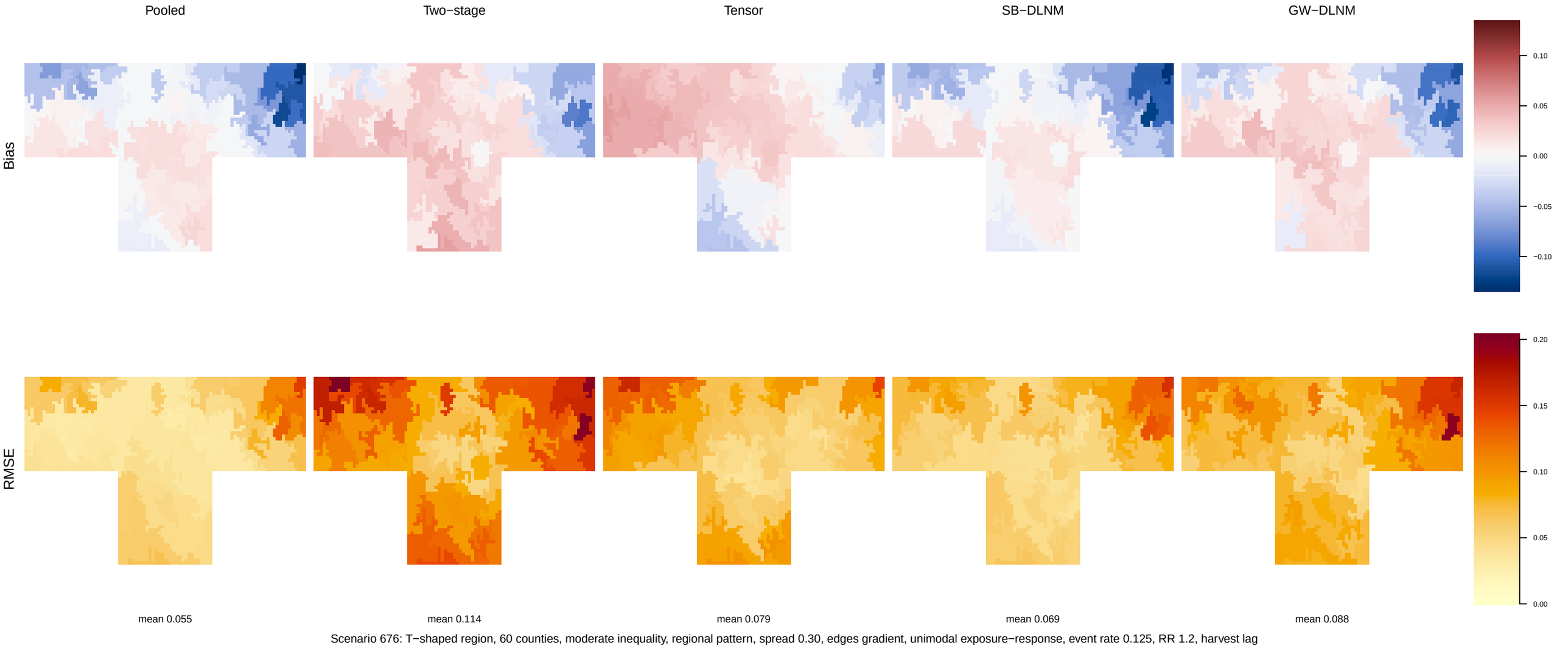
Scenario 356: T−shaped region, 60 counties, moderate inequality, local pattern, spread 0.15, NS gradient, J exposure−response, event rate 0.125, RR 1.4, delayed lag



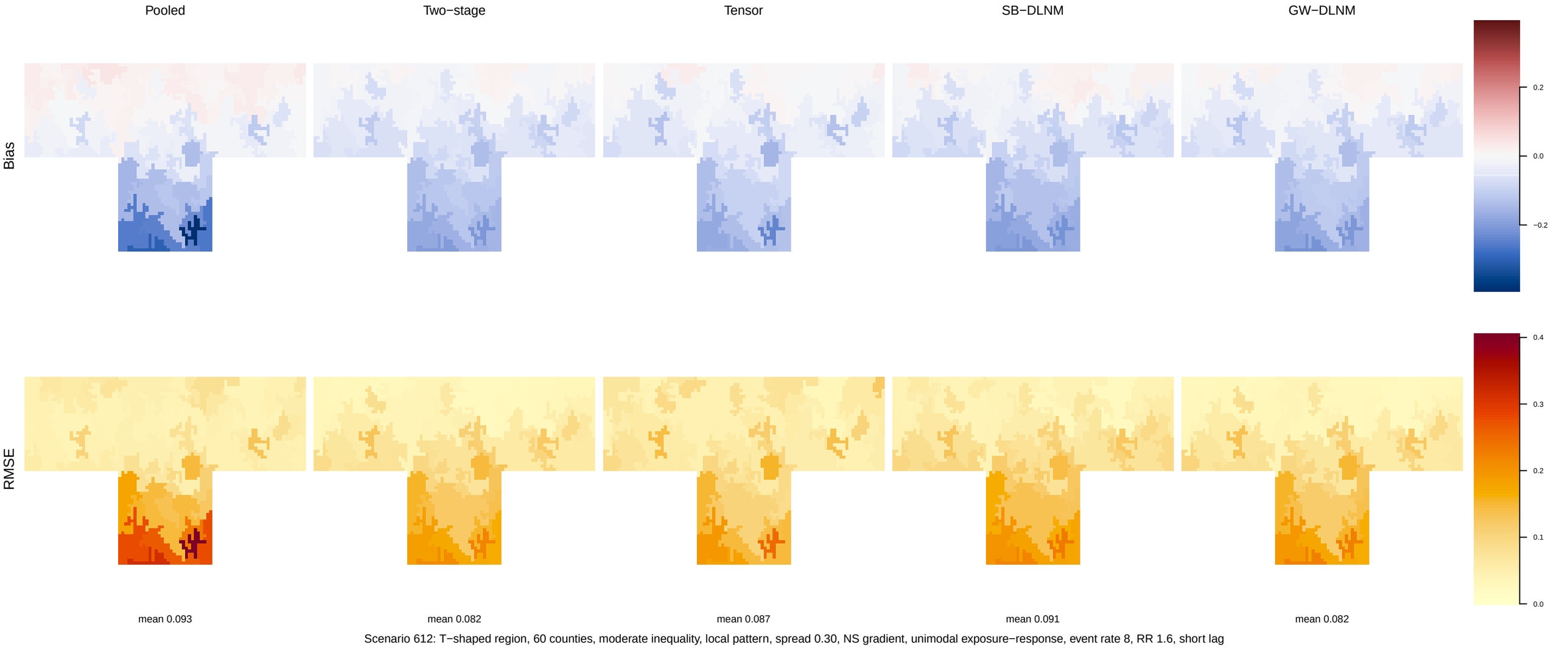
Scenario 292: T−shaped region, 60 counties, moderate inequality, independent pattern, spread 0.15, ridge gradient, J exposure−response, event rate 0.5, RR 1.2, harvest lag



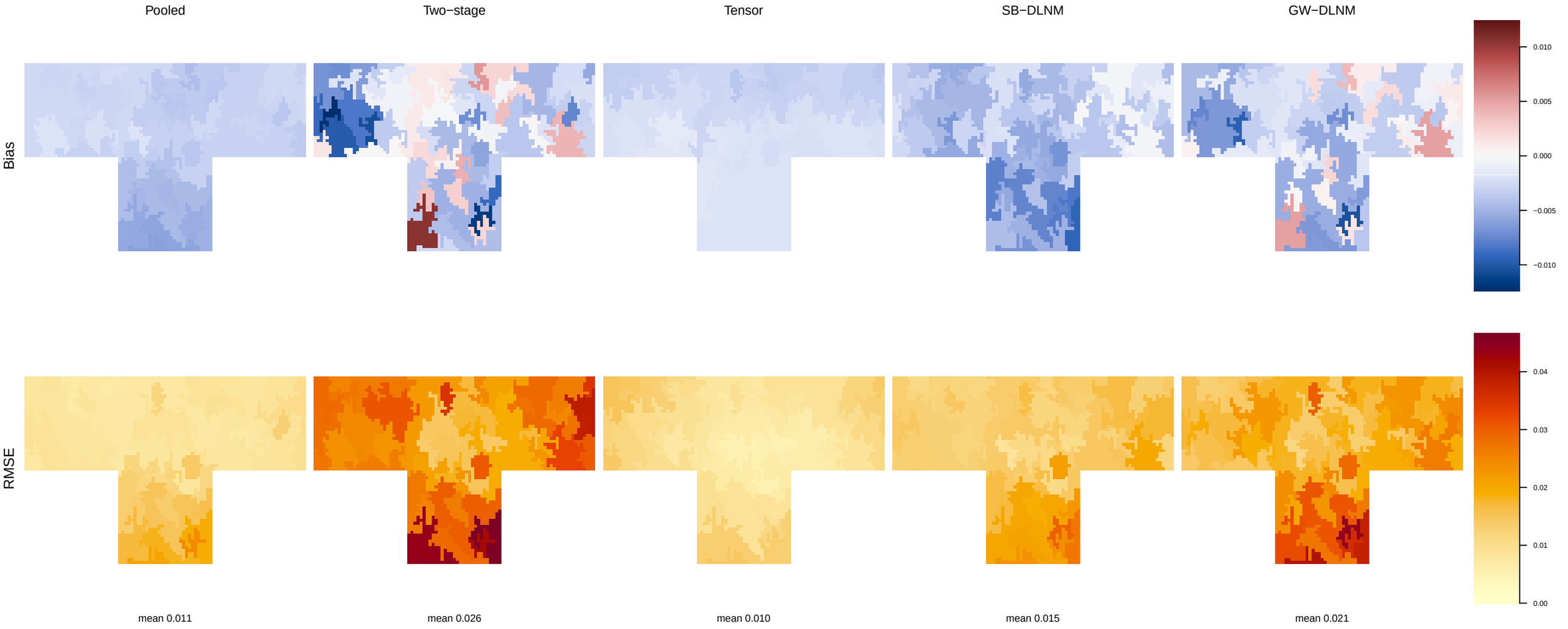
Scenario 484: T−shaped region, 60 counties, moderate inequality, boundary pattern, spread 0.15, valley gradient, J exposure−response, event rate 2, RR 1.6, short lag



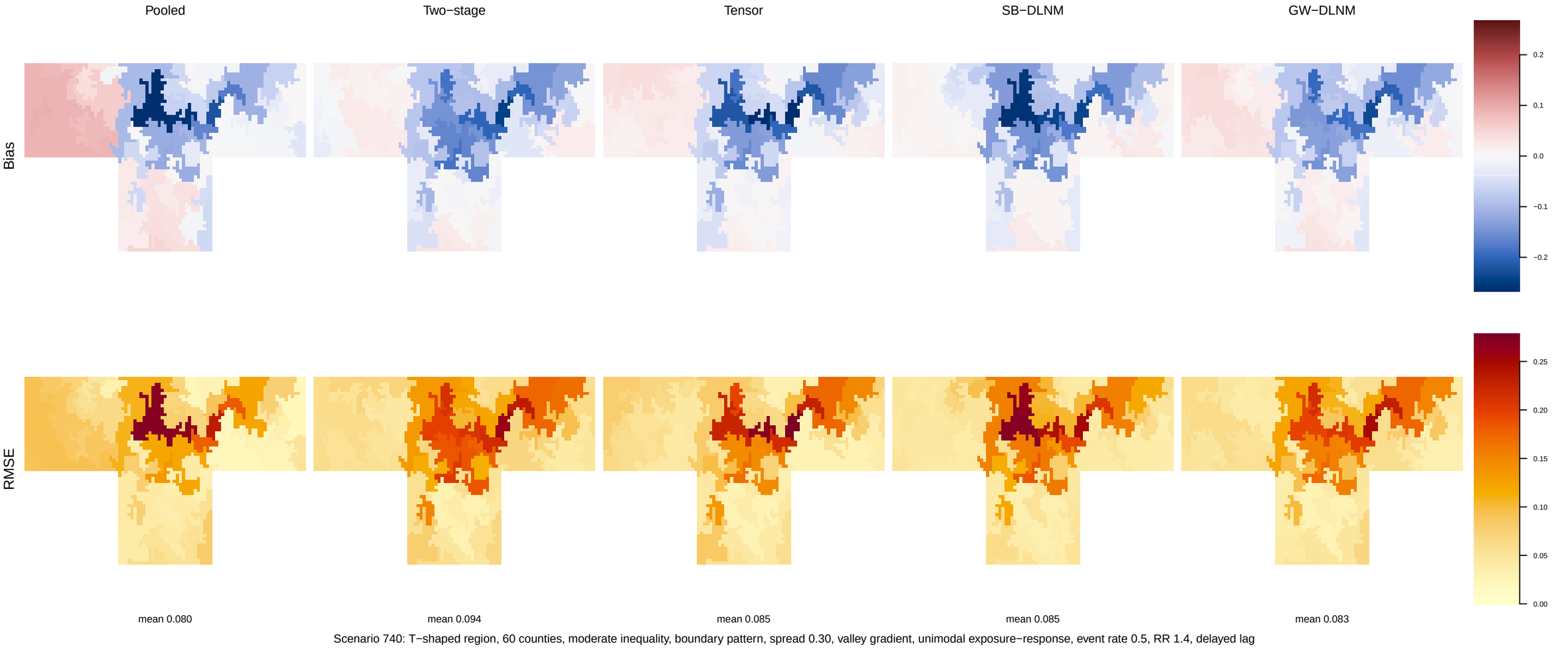
Scenario 676: T−shaped region, 60 counties, moderate inequality, regional pattern, spread 0.30, edges gradient, unimodal exposure−response, event rate 0.125, RR 1.2, harvest lag

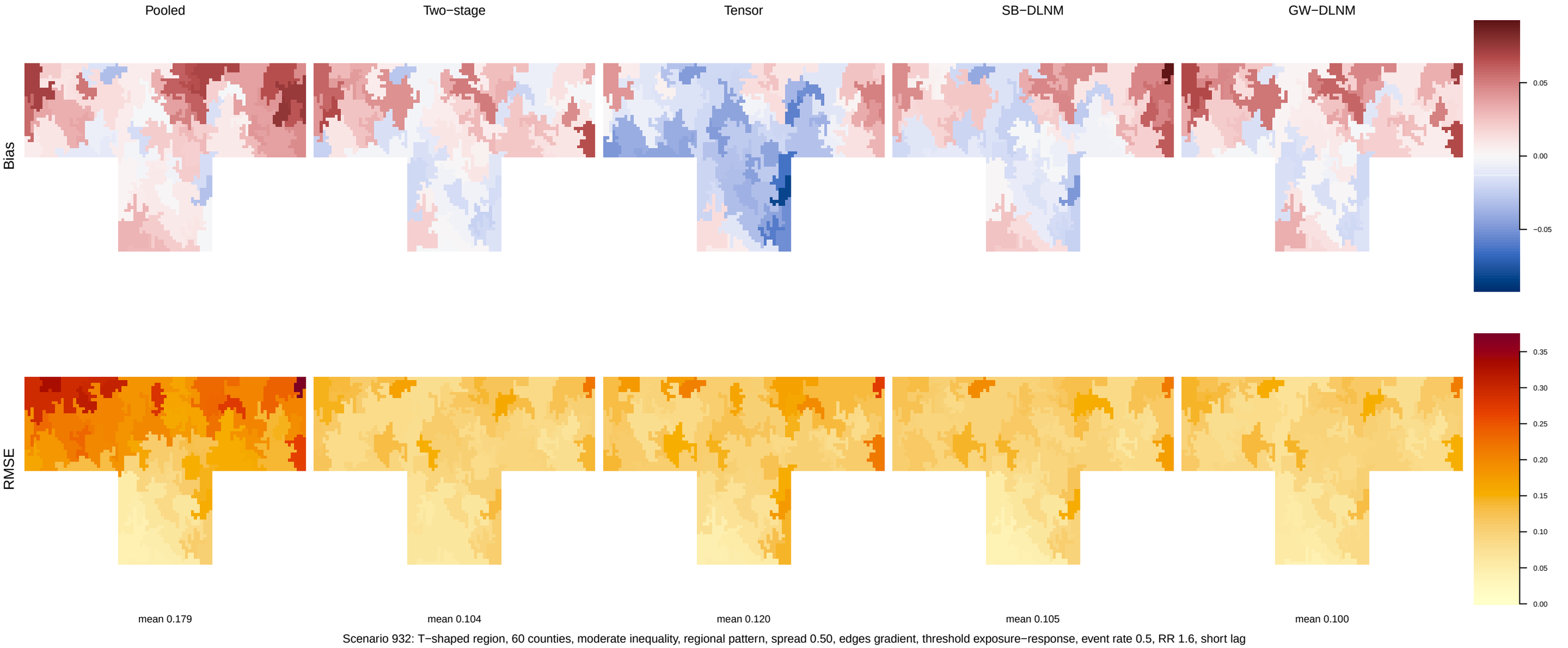


Scenario 612: T−shaped region, 60 counties, moderate inequality, local pattern, spread 0.30, NS gradient, unimodal exposure−response, event rate 8, RR 1.6, short lag

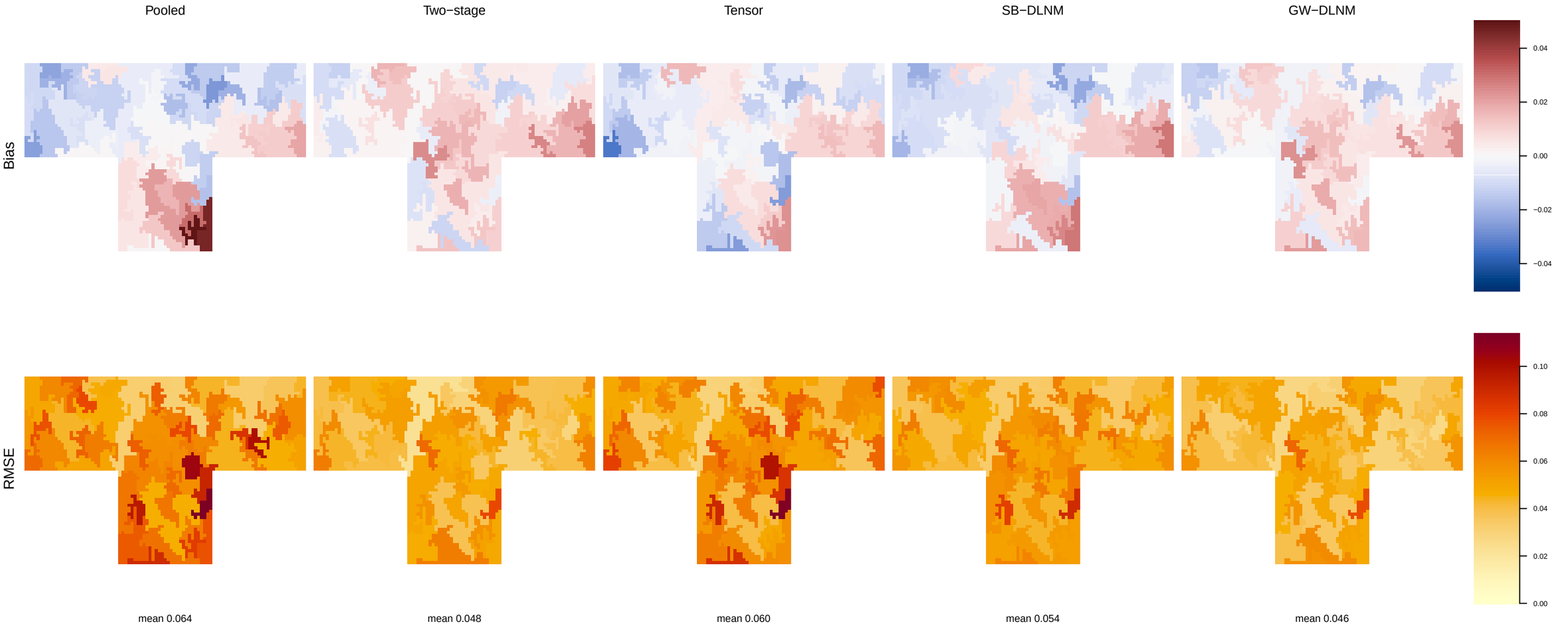


Scenario 548: T−shaped region, 60 counties, moderate inequality, independent pattern, spread 0.30, ridge gradient, unimodal exposure−response, event rate 2, RR 1.0, decay lag

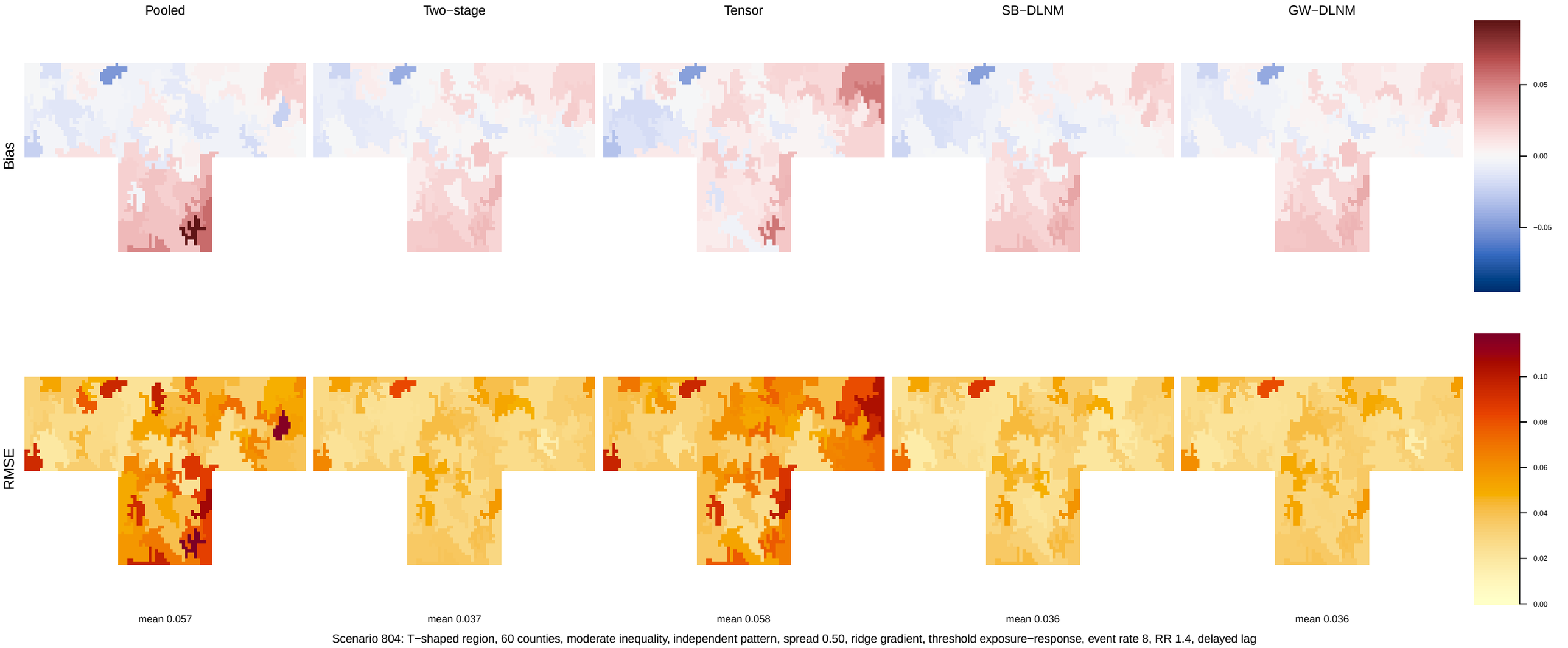

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.2
0.1
0.0
−0.1
−0.2
0.25
0.20
0.15
0.10
0.05
0.00
mean 0.080
mean 0.094
mean 0.085
mean 0.085
mean 0.083
Scenario 740: T−shaped region, 60 counties, moderate inequality, boundary pattern, spread 0.30, valley gradient, unimodal exposure−response, event rate 0.5, RR 1.4, delayed lag



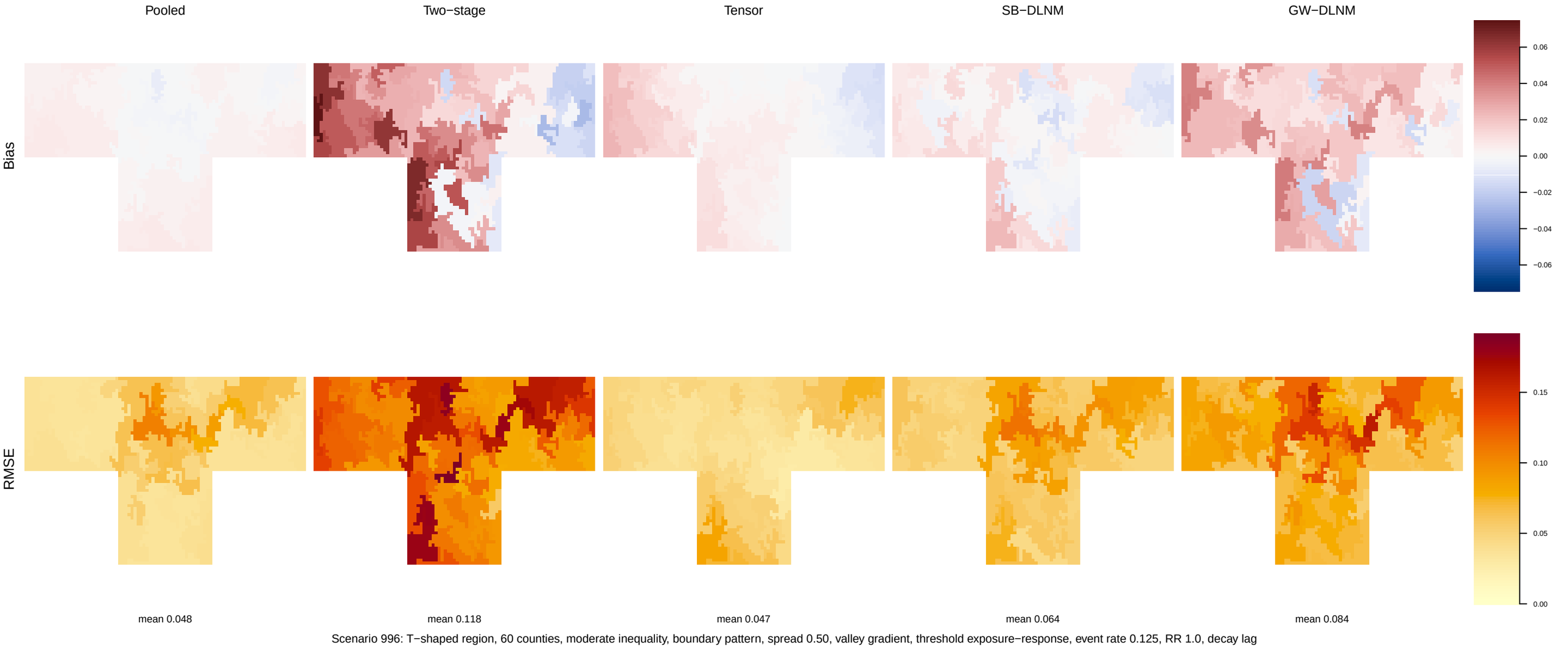
Scenario 932: T−shaped region, 60 counties, moderate inequality, regional pattern, spread 0.50, edges gradient, threshold exposure−response, event rate 0.5, RR 1.6, short lag



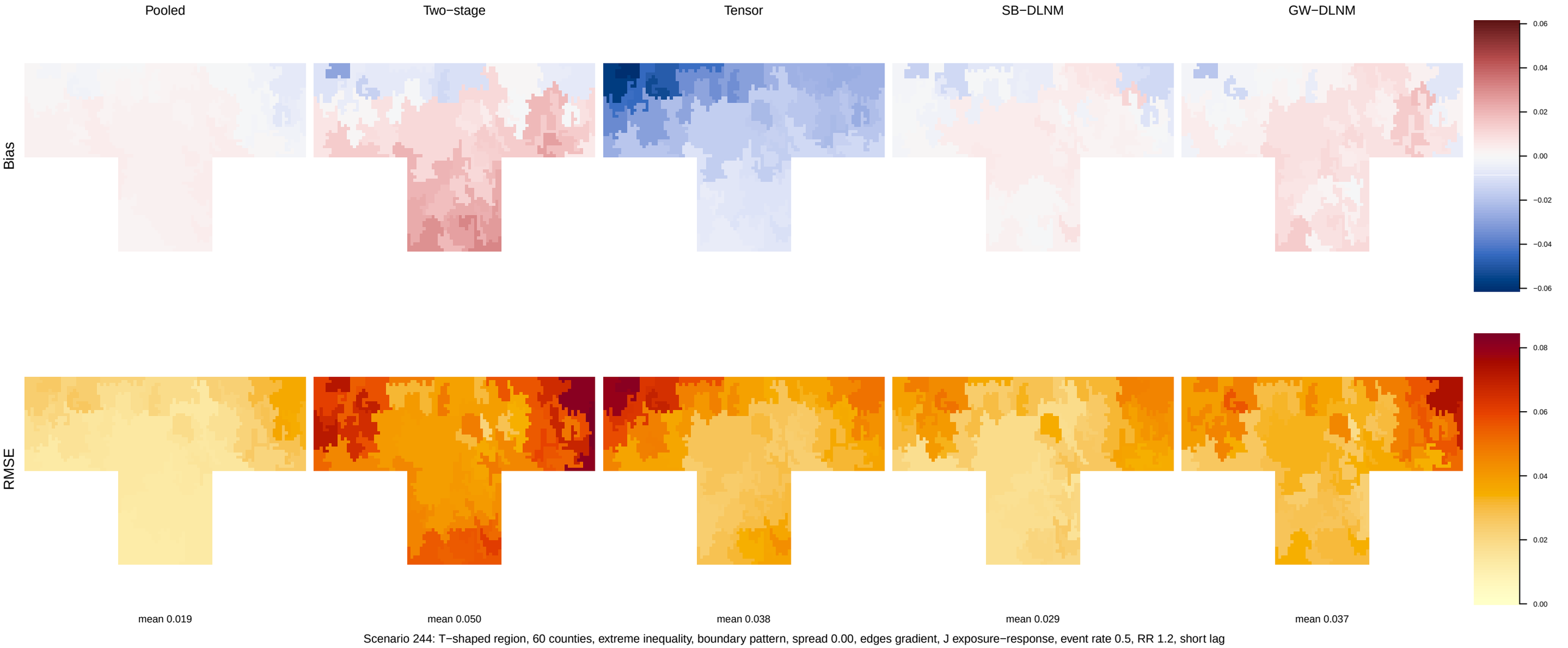
Scenario 868: T−shaped region, 60 counties, moderate inequality, local pattern, spread 0.50, NS gradient, threshold exposure−response, event rate 2, RR 1.2, harvest lag



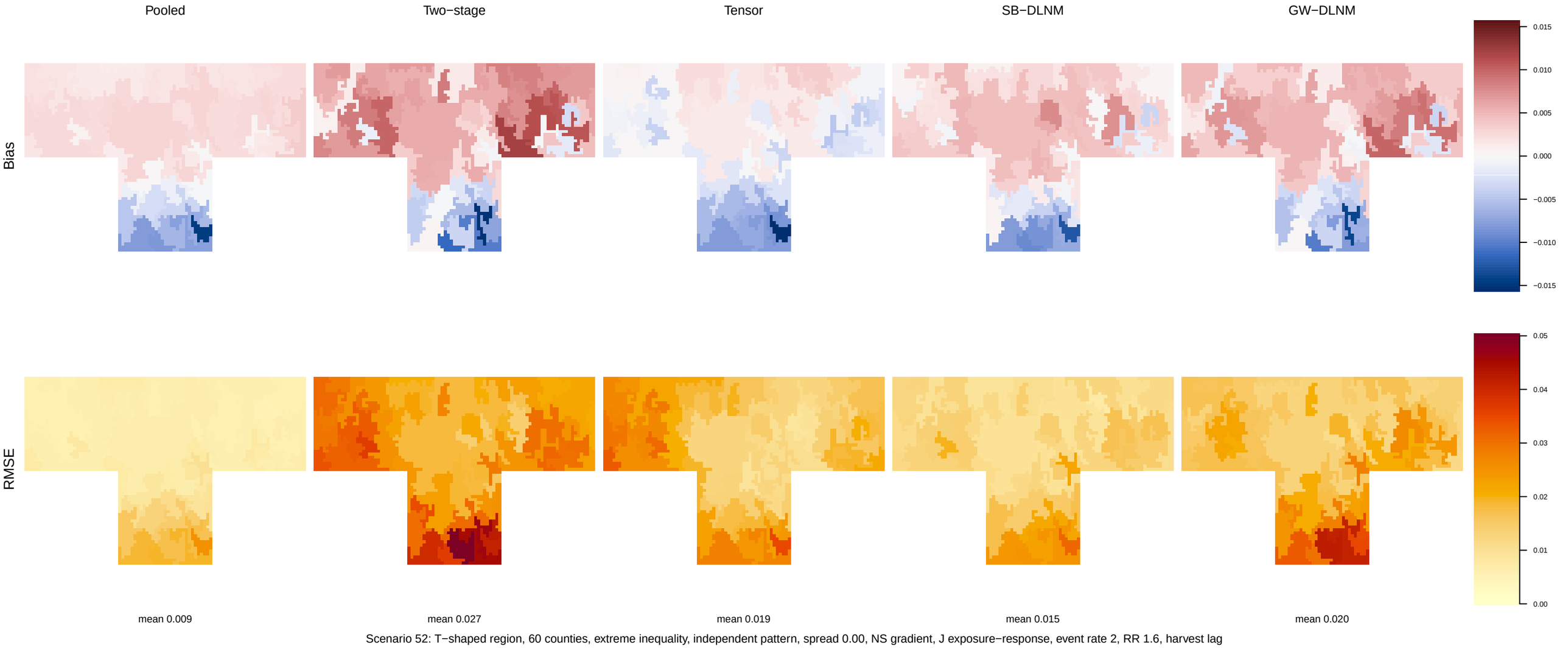
Scenario 804: T−shaped region, 60 counties, moderate inequality, independent pattern, spread 0.50, ridge gradient, threshold exposure−response, event rate 8, RR 1.4, delayed lag



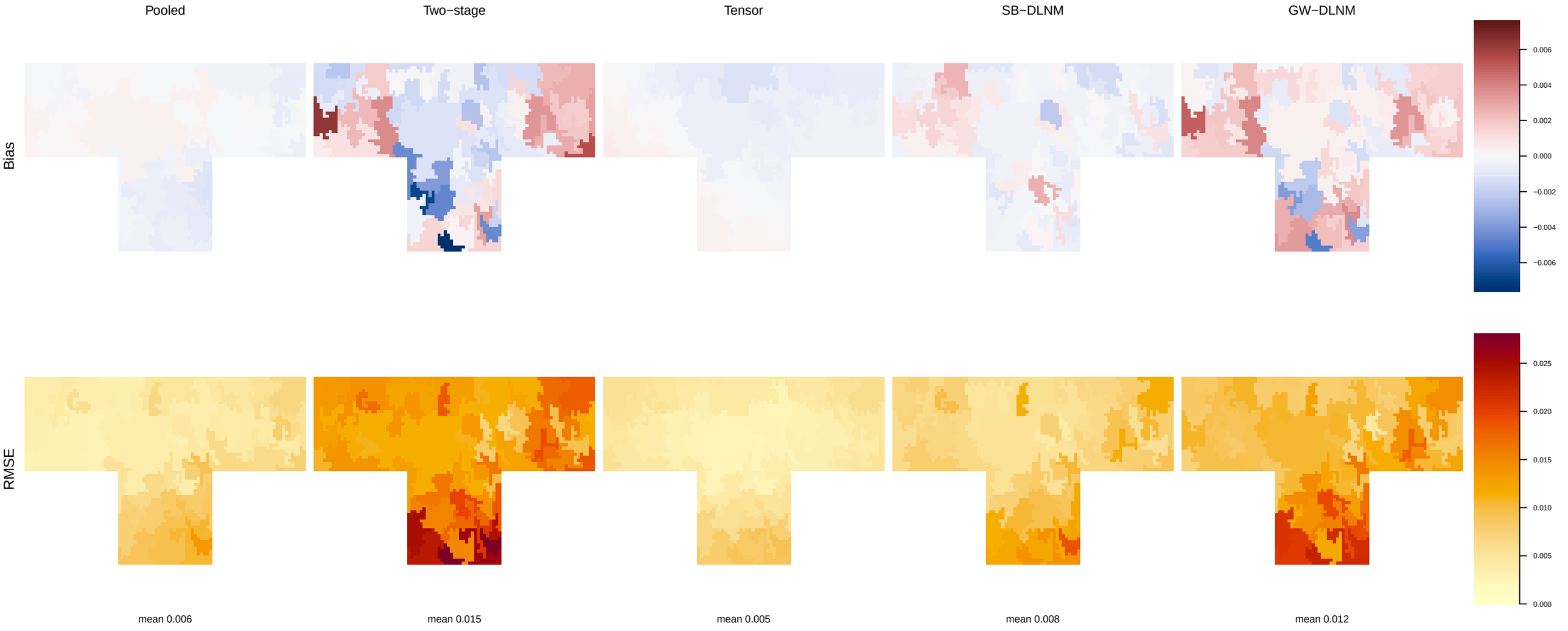
Scenario 996: T−shaped region, 60 counties, moderate inequality, boundary pattern, spread 0.50, valley gradient, threshold exposure−response, event rate 0.125, RR 1.0, decay lag



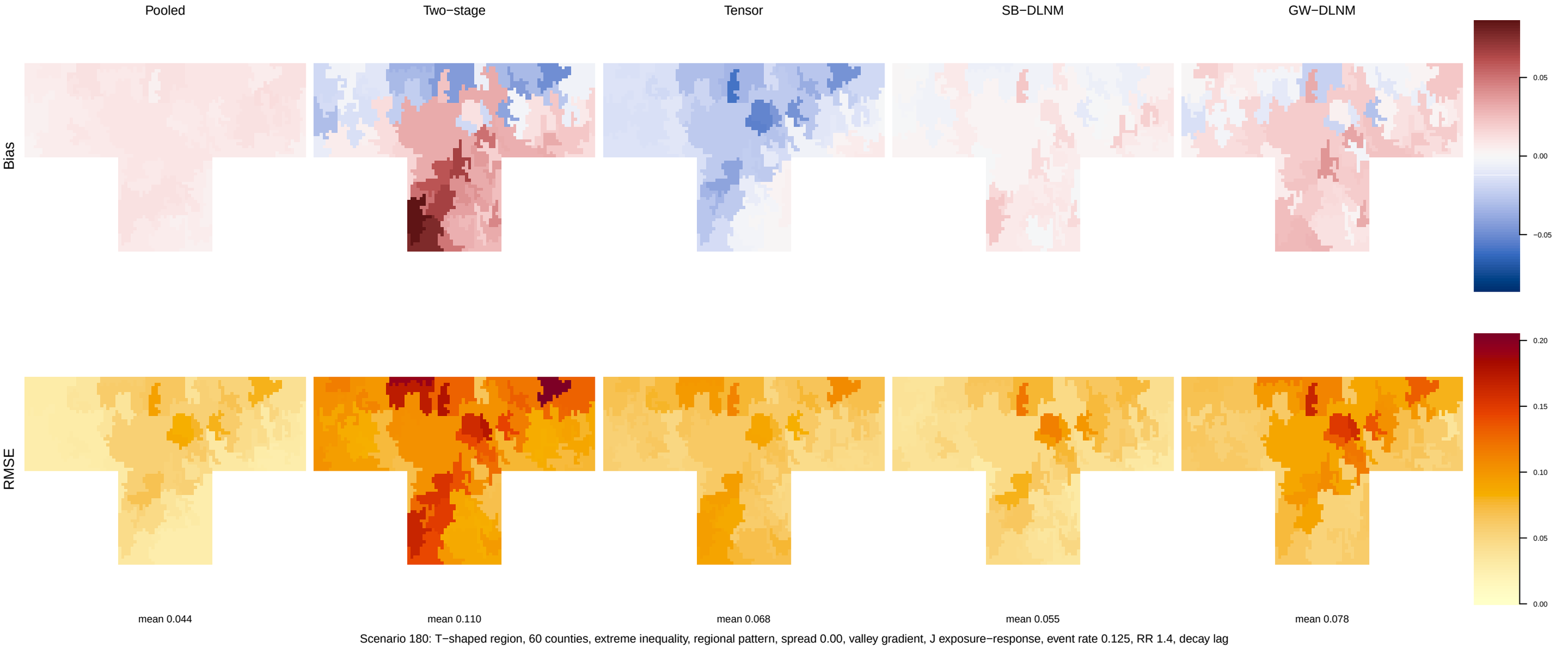
Scenario 244: T−shaped region, 60 counties, extreme inequality, boundary pattern, spread 0.00, edges gradient, J exposure−response, event rate 0.5, RR 1.2, short lag



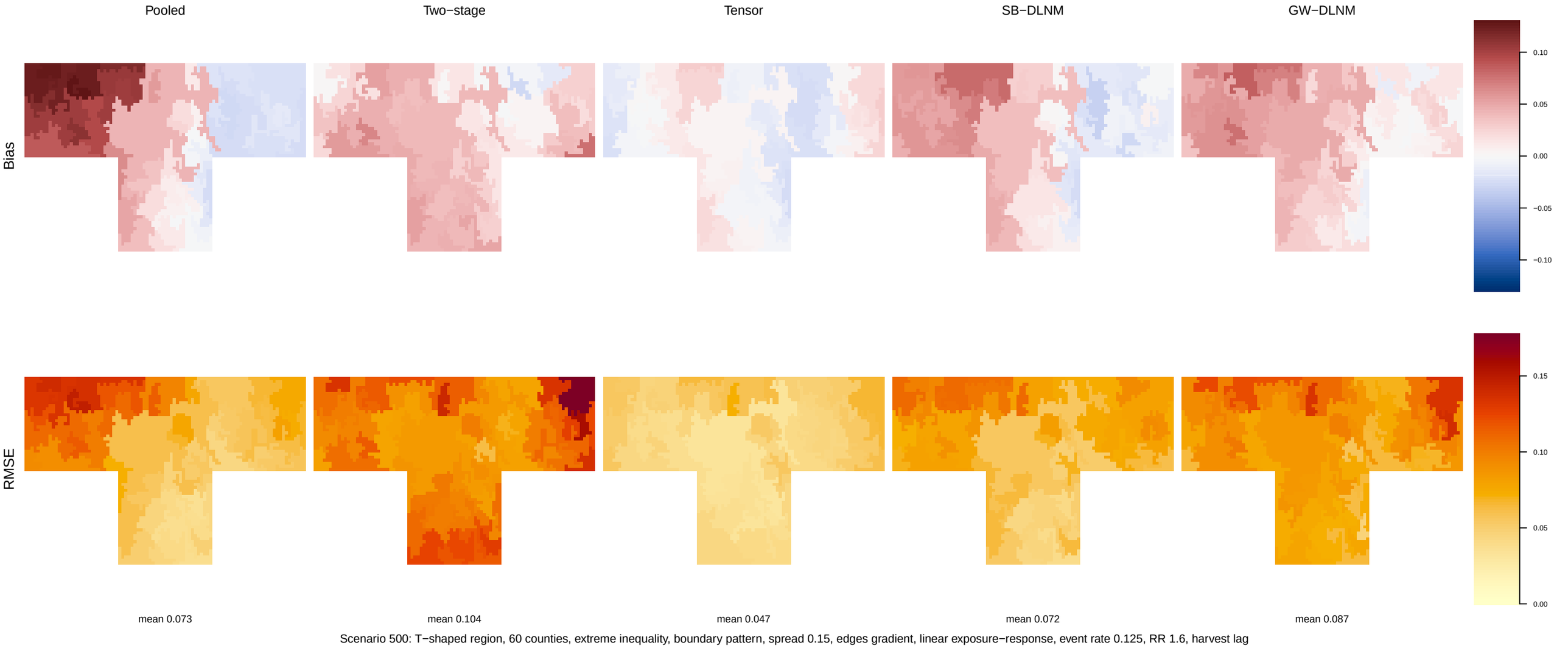
Scenario 52: T−shaped region, 60 counties, extreme inequality, independent pattern, spread 0.00, NS gradient, J exposure−response, event rate 2, RR 1.6, harvest lag

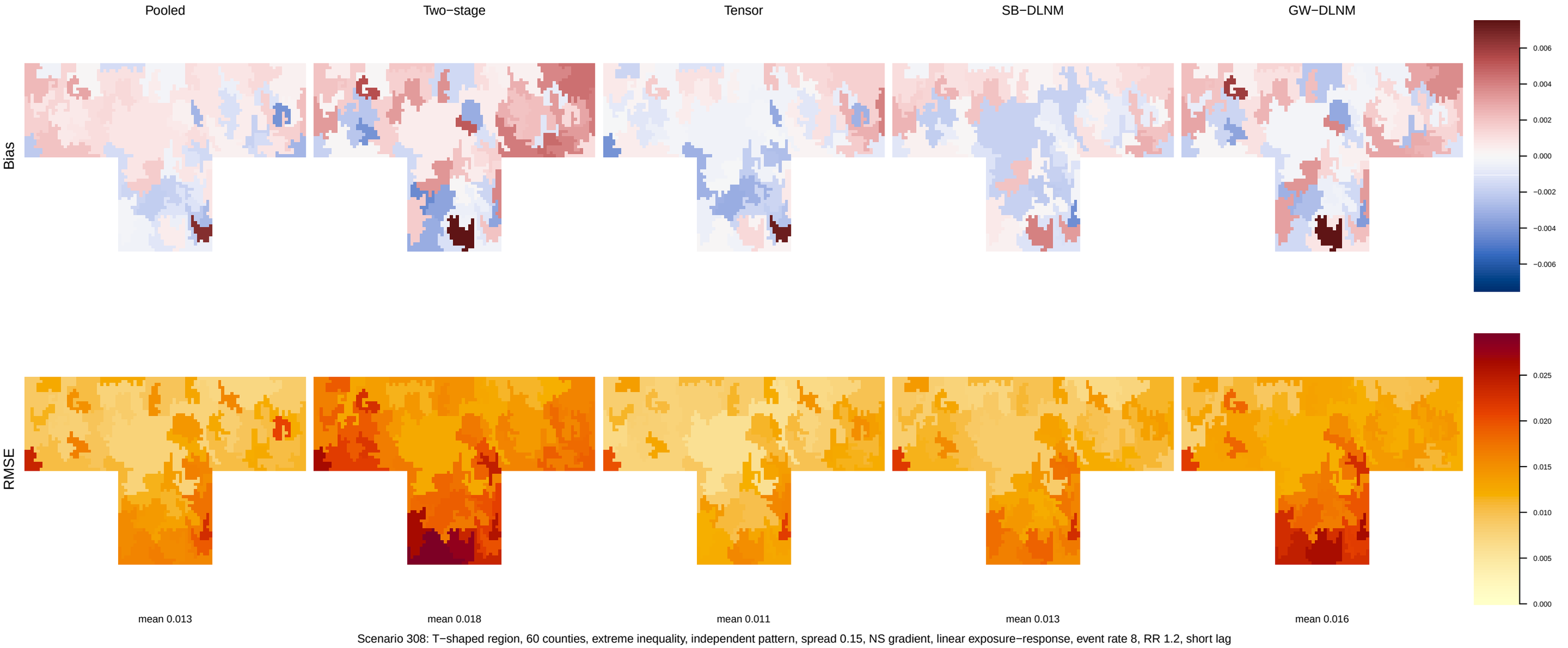


Scenario 116: T−shaped region, 60 counties, extreme inequality, local pattern, spread 0.00, ridge gradient, J exposure−response, event rate 8, RR 1.0, delayed lag

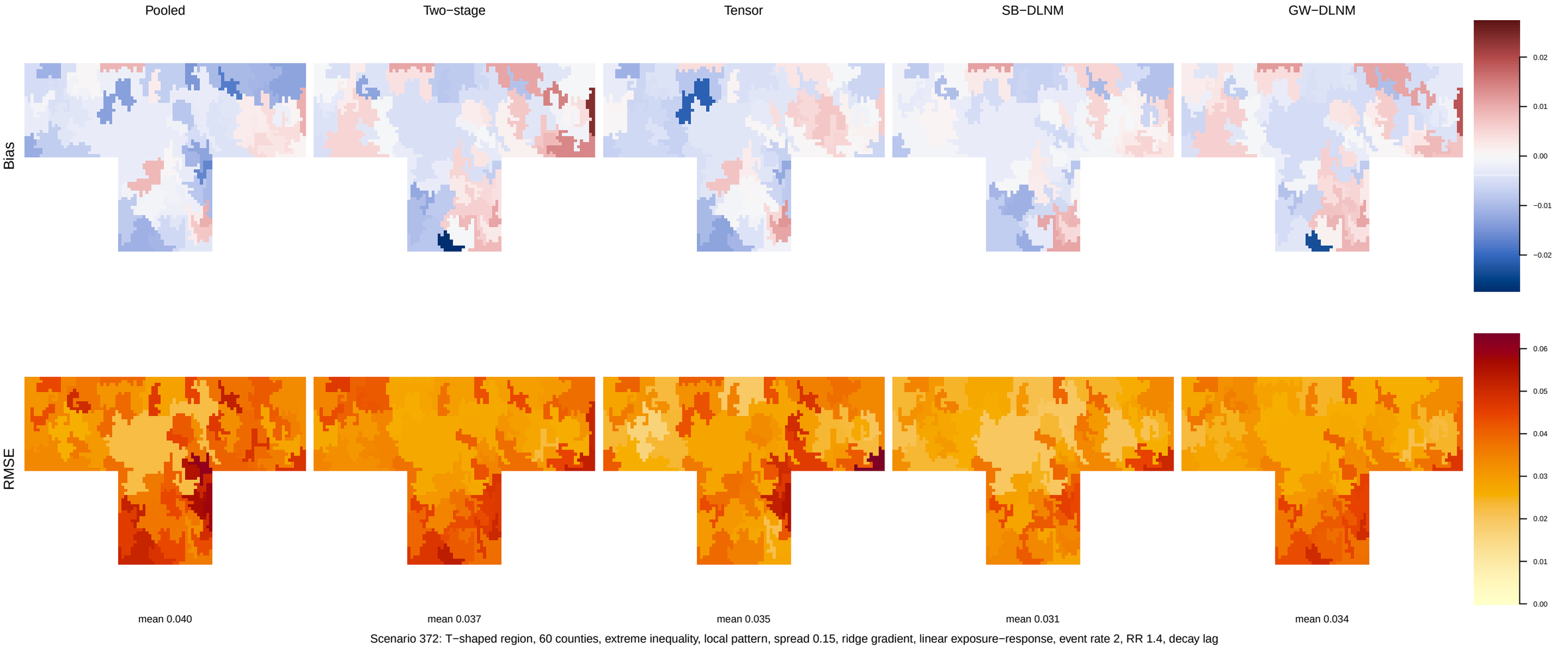


Scenario 180: T−shaped region, 60 counties, extreme inequality, regional pattern, spread 0.00, valley gradient, J exposure−response, event rate 0.125, RR 1.4, decay lag

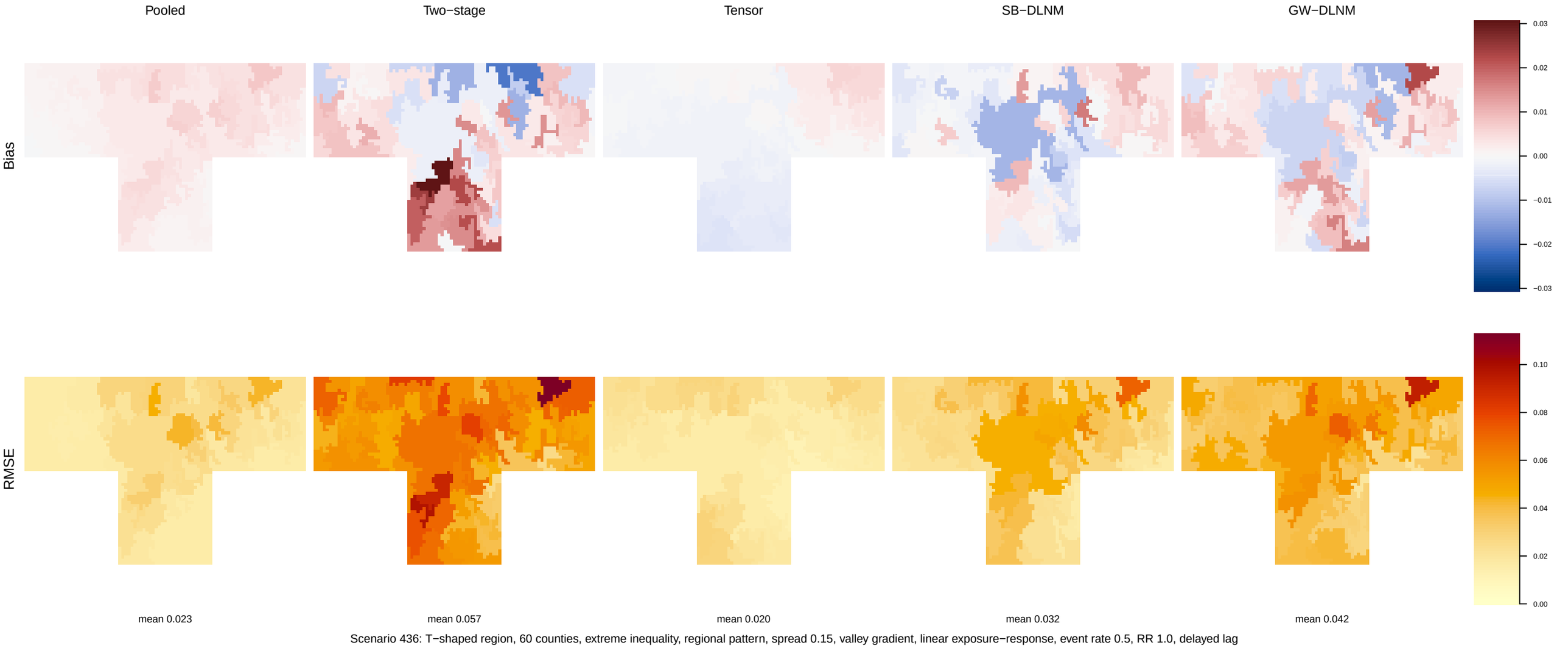

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.10
0.05
0.00
−0.05
−0.10
0.15
0.10
0.05
0.00
mean 0.073
mean 0.104
mean 0.047
mean 0.072
mean 0.087
Scenario 500: T−shaped region, 60 counties, extreme inequality, boundary pattern, spread 0.15, edges gradient, linear exposure−response, event rate 0.125, RR 1.6, harvest lag



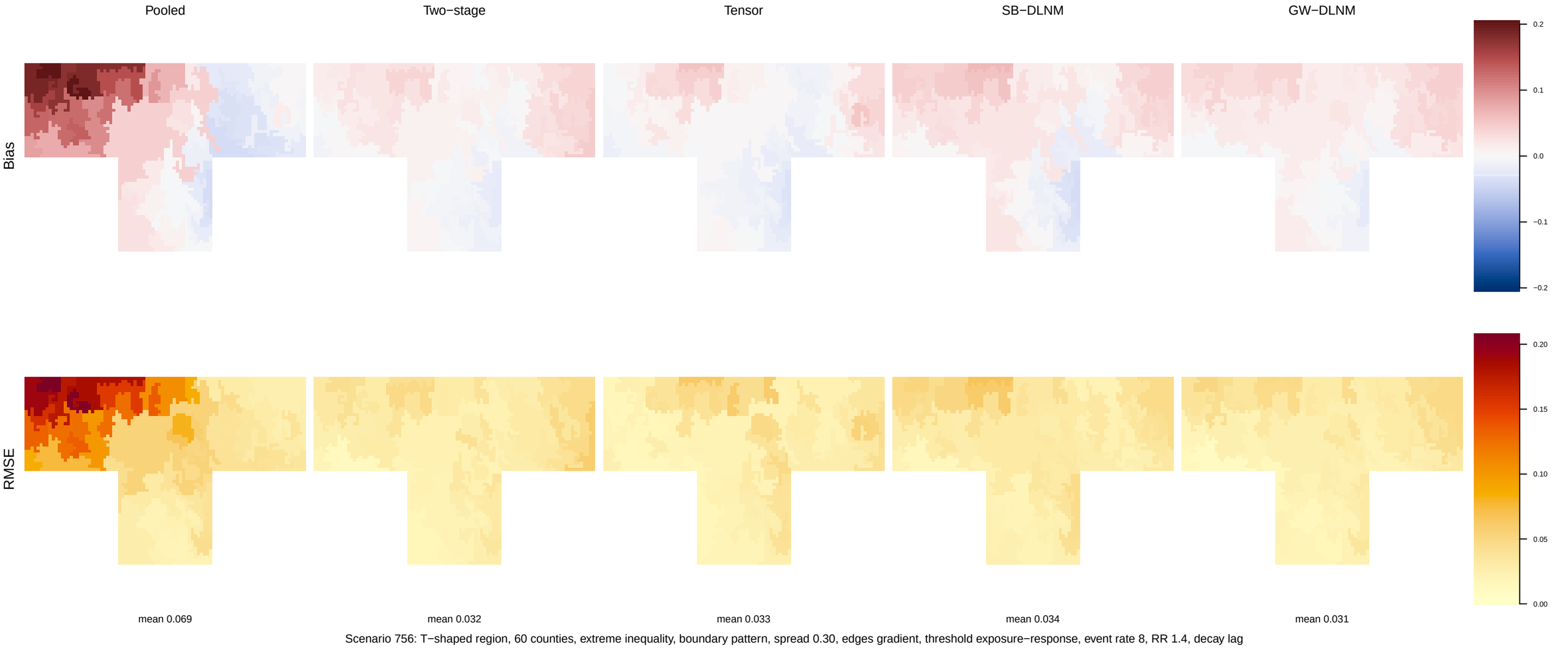
Scenario 308: T−shaped region, 60 counties, extreme inequality, independent pattern, spread 0.15, NS gradient, linear exposure−response, event rate 8, RR 1.2, short lag



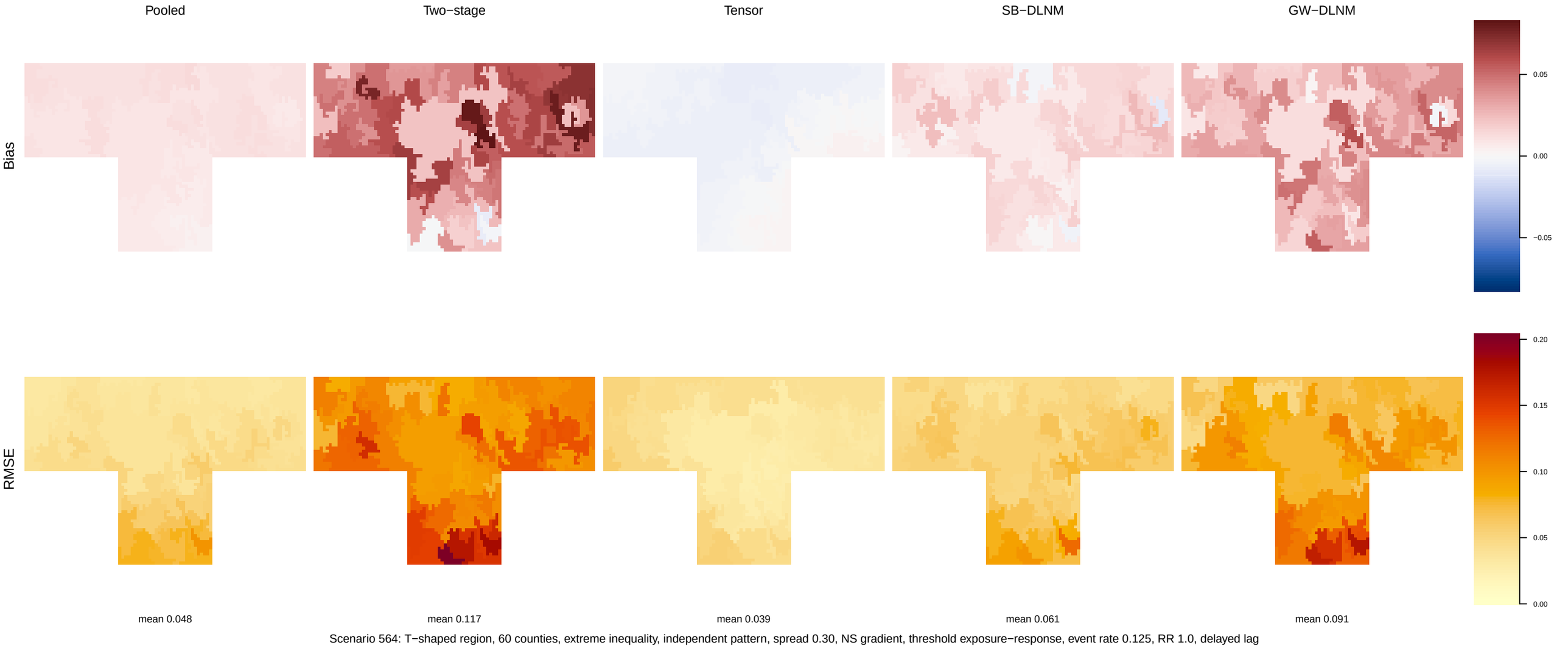
Scenario 372: T−shaped region, 60 counties, extreme inequality, local pattern, spread 0.15, ridge gradient, linear exposure−response, event rate 2, RR 1.4, decay lag



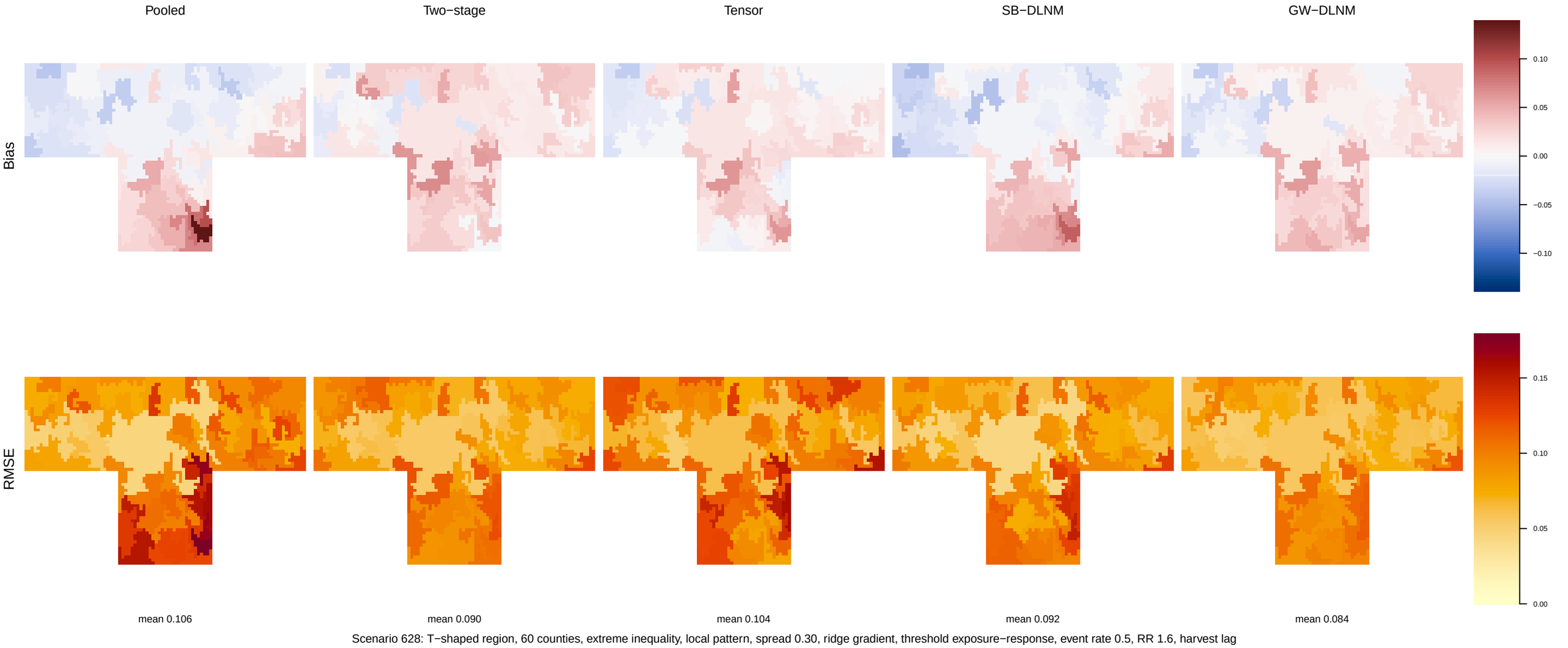
Scenario 436: T−shaped region, 60 counties, extreme inequality, regional pattern, spread 0.15, valley gradient, linear exposure−response, event rate 0.5, RR 1.0, delayed lag



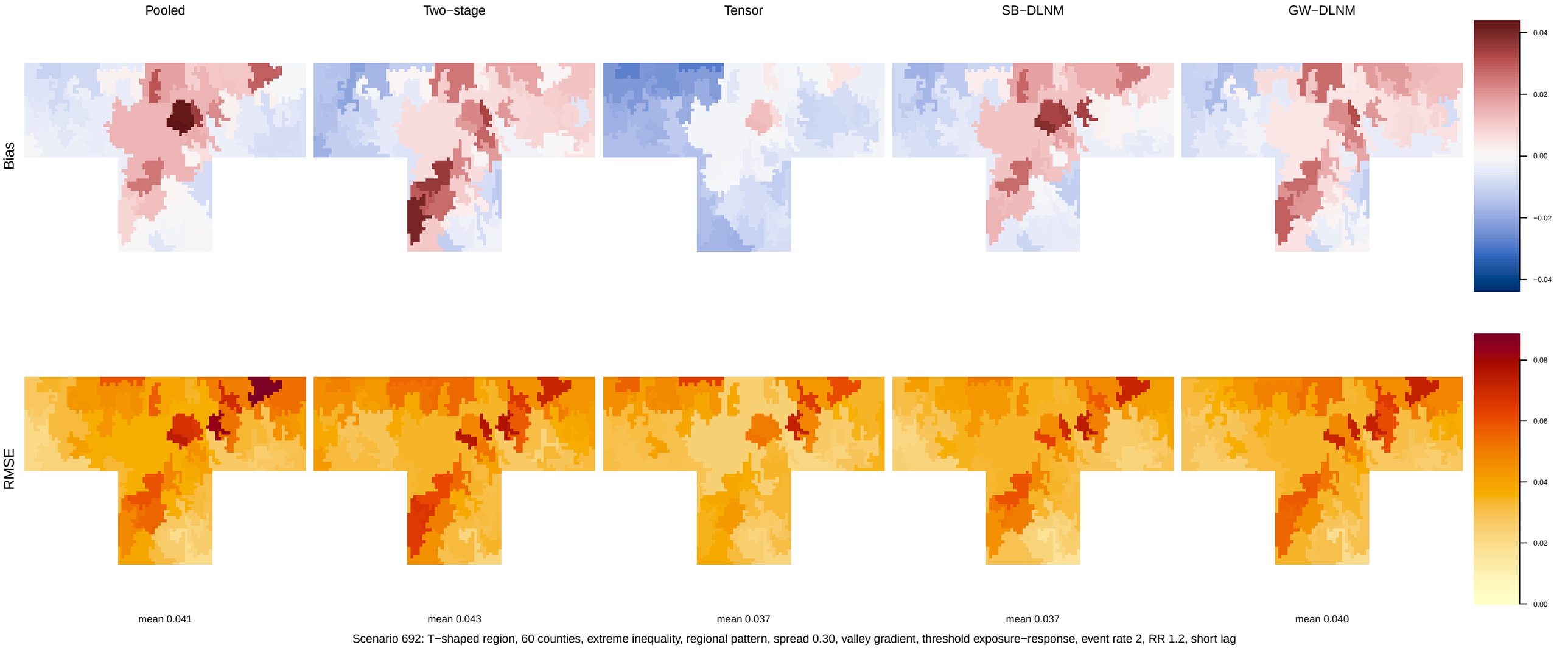
Scenario 756: T−shaped region, 60 counties, extreme inequality, boundary pattern, spread 0.30, edges gradient, threshold exposure−response, event rate 8, RR 1.4, decay lag



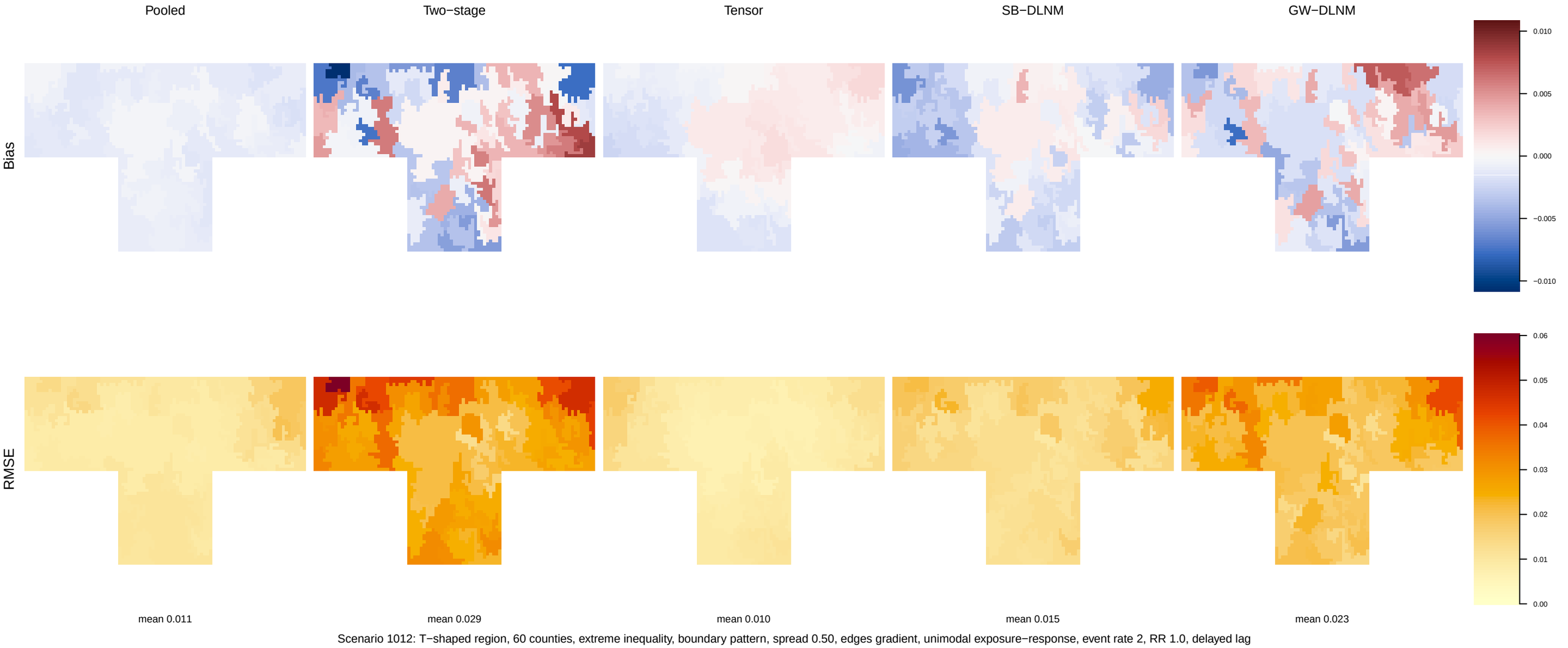
Scenario 564: T−shaped region, 60 counties, extreme inequality, independent pattern, spread 0.30, NS gradient, threshold exposure−response, event rate 0.125, RR 1.0, delayed lag



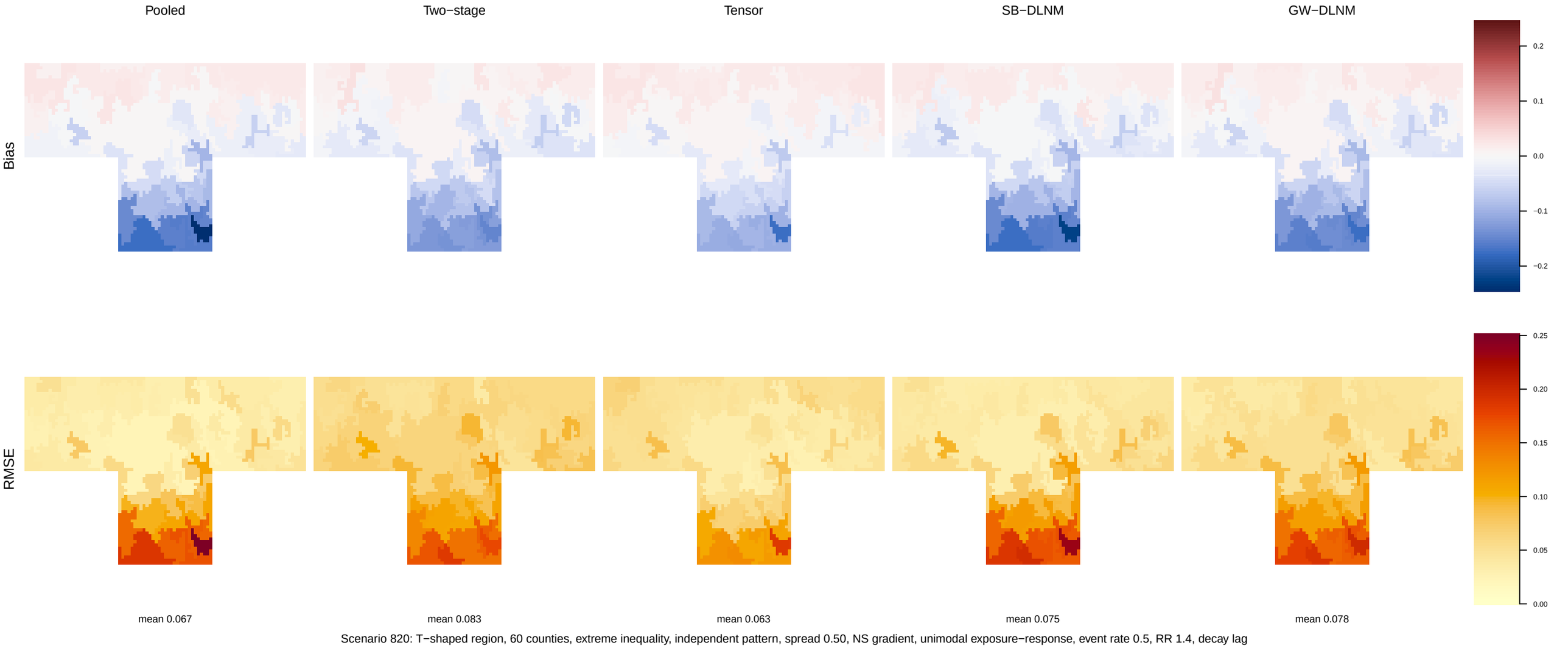
Scenario 628: T−shaped region, 60 counties, extreme inequality, local pattern, spread 0.30, ridge gradient, threshold exposure−response, event rate 0.5, RR 1.6, harvest lag



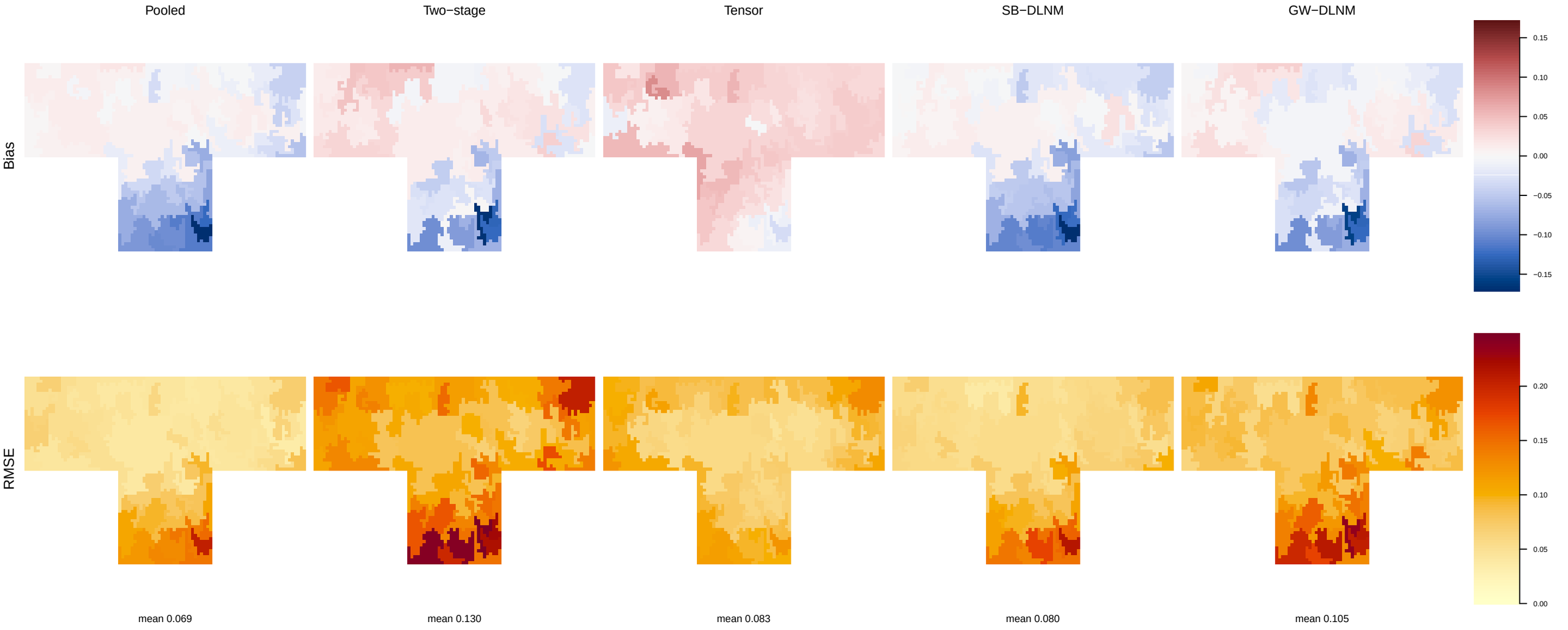
Scenario 692: T−shaped region, 60 counties, extreme inequality, regional pattern, spread 0.30, valley gradient, threshold exposure−response, event rate 2, RR 1.2, short lag



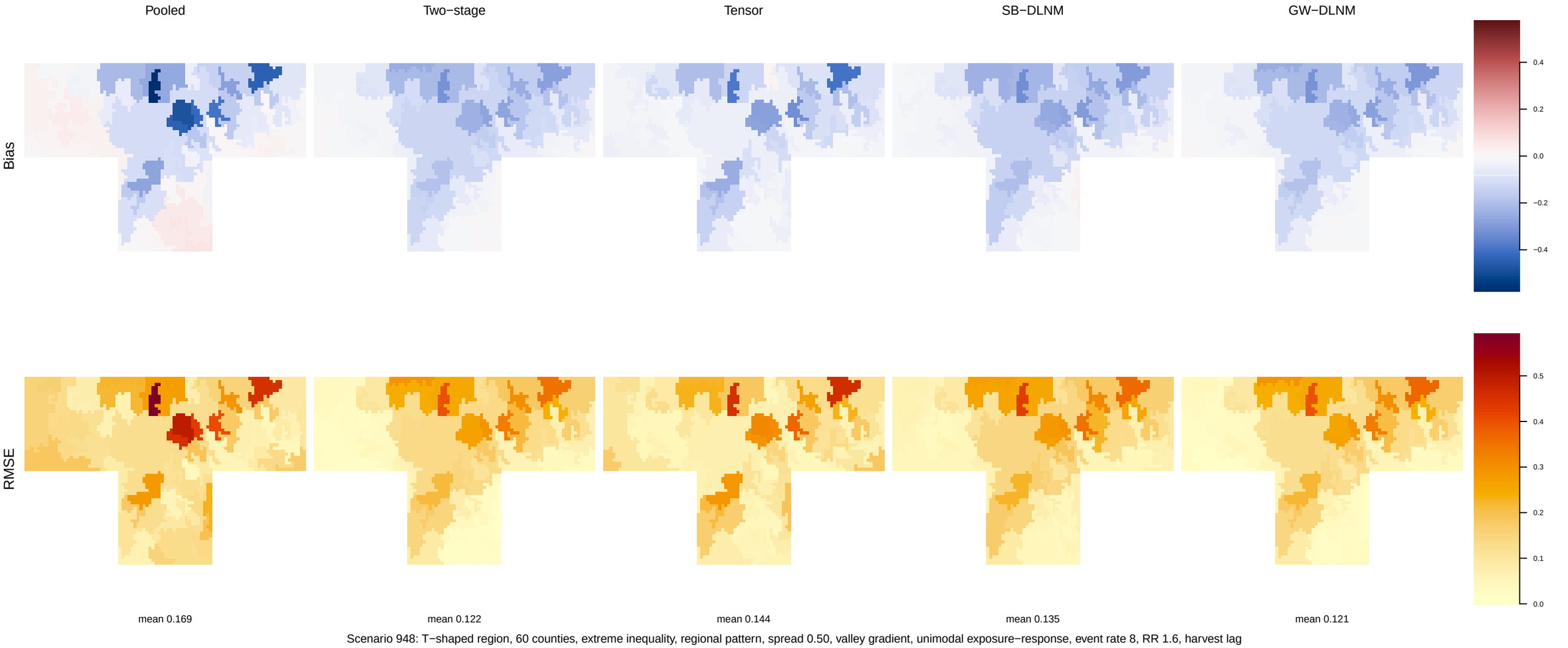
Scenario 1012: T−shaped region, 60 counties, extreme inequality, boundary pattern, spread 0.50, edges gradient, unimodal exposure−response, event rate 2, RR 1.0, delayed lag



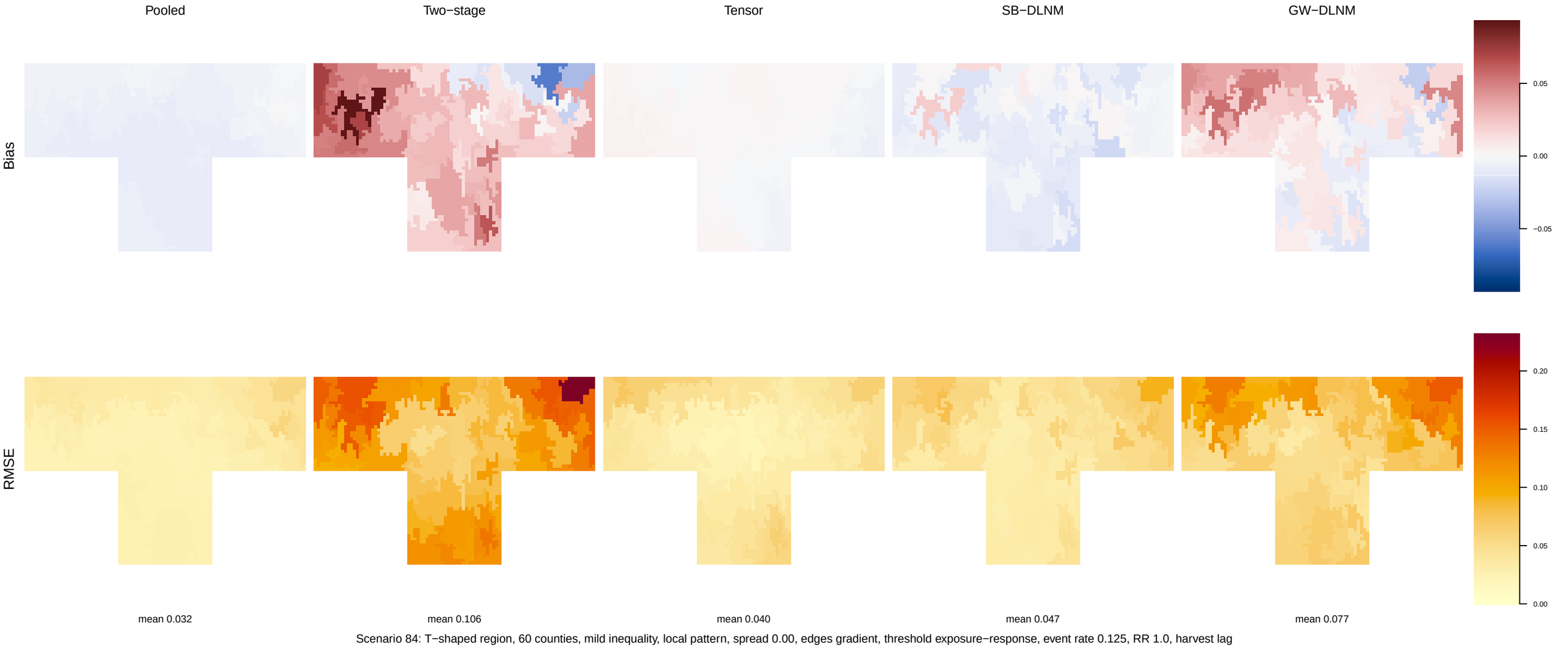
Scenario 820: T−shaped region, 60 counties, extreme inequality, independent pattern, spread 0.50, NS gradient, unimodal exposure−response, event rate 0.5, RR 1.4, decay lag



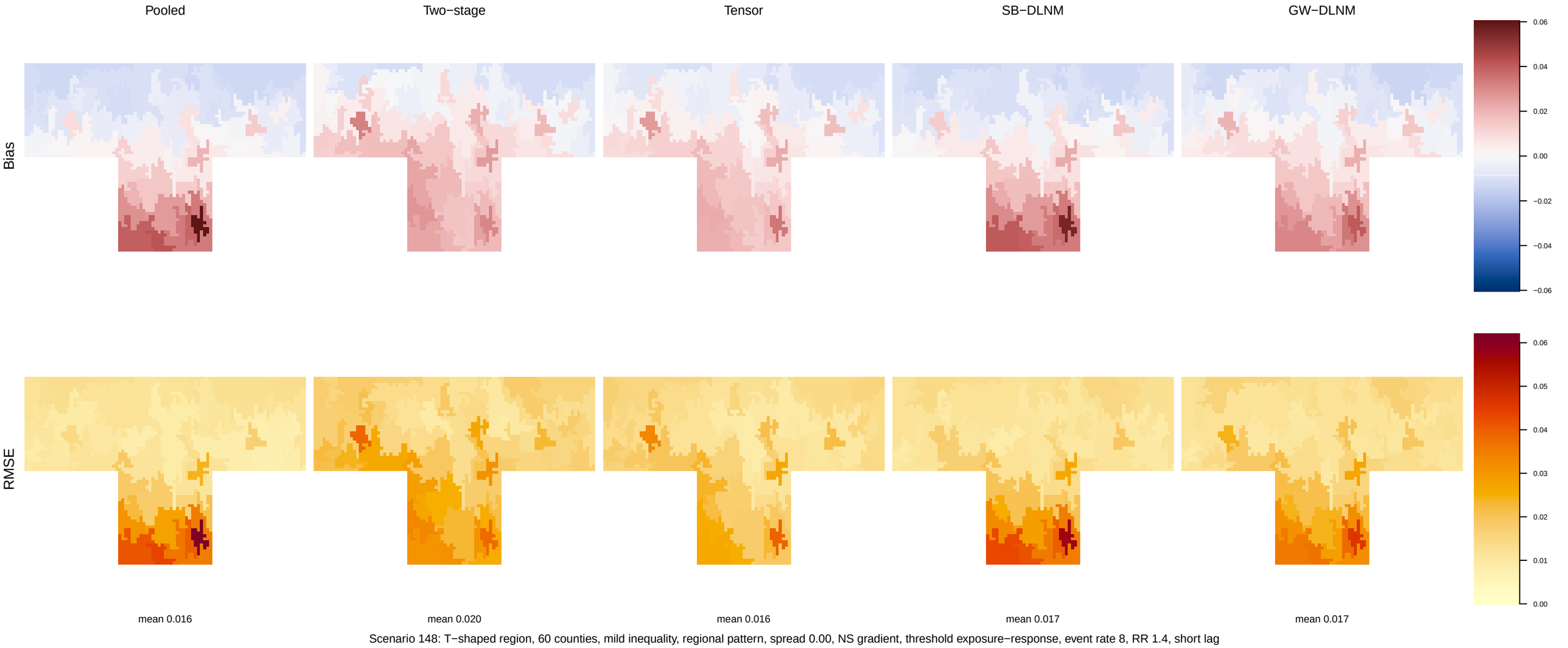
Scenario 884: T−shaped region, 60 counties, extreme inequality, local pattern, spread 0.50, ridge gradient, unimodal exposure−response, event rate 0.125, RR 1.2, short lag



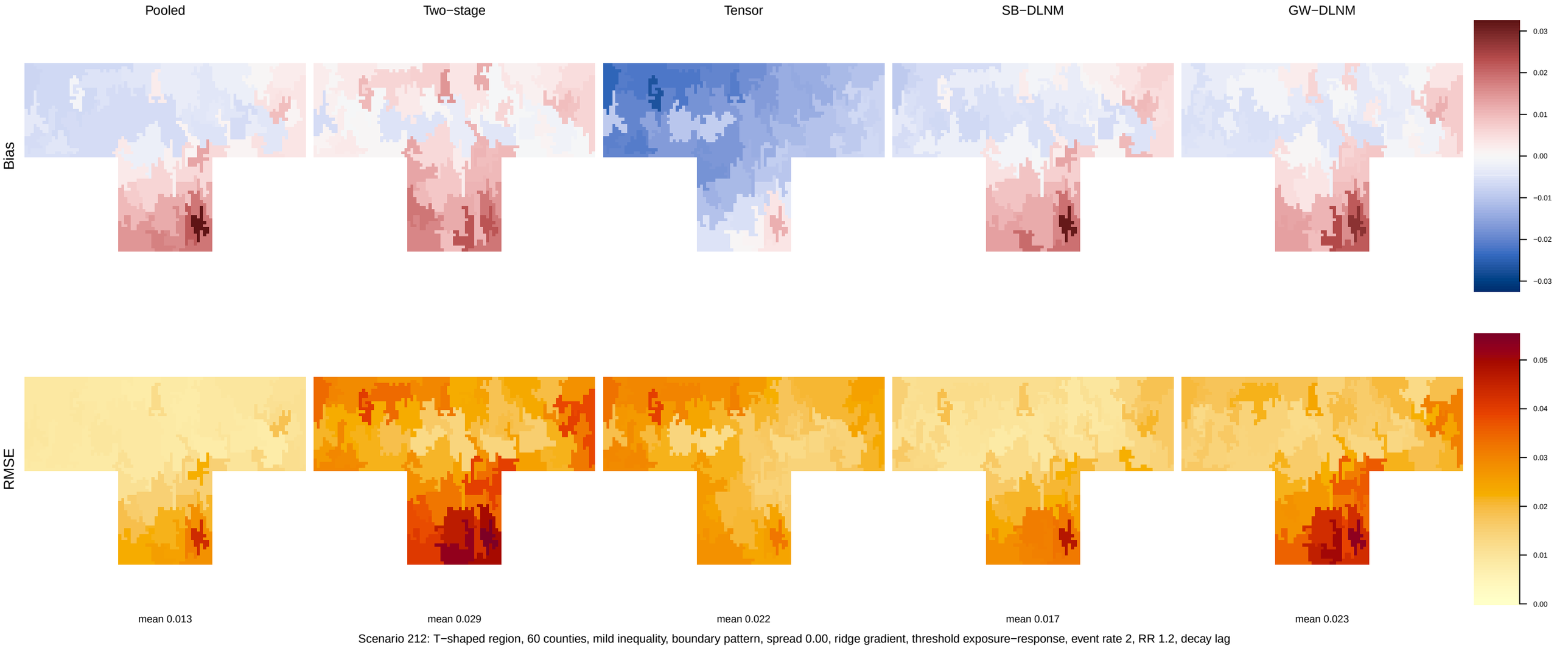
Scenario 948: T−shaped region, 60 counties, extreme inequality, regional pattern, spread 0.50, valley gradient, unimodal exposure−response, event rate 8, RR 1.6, harvest lag



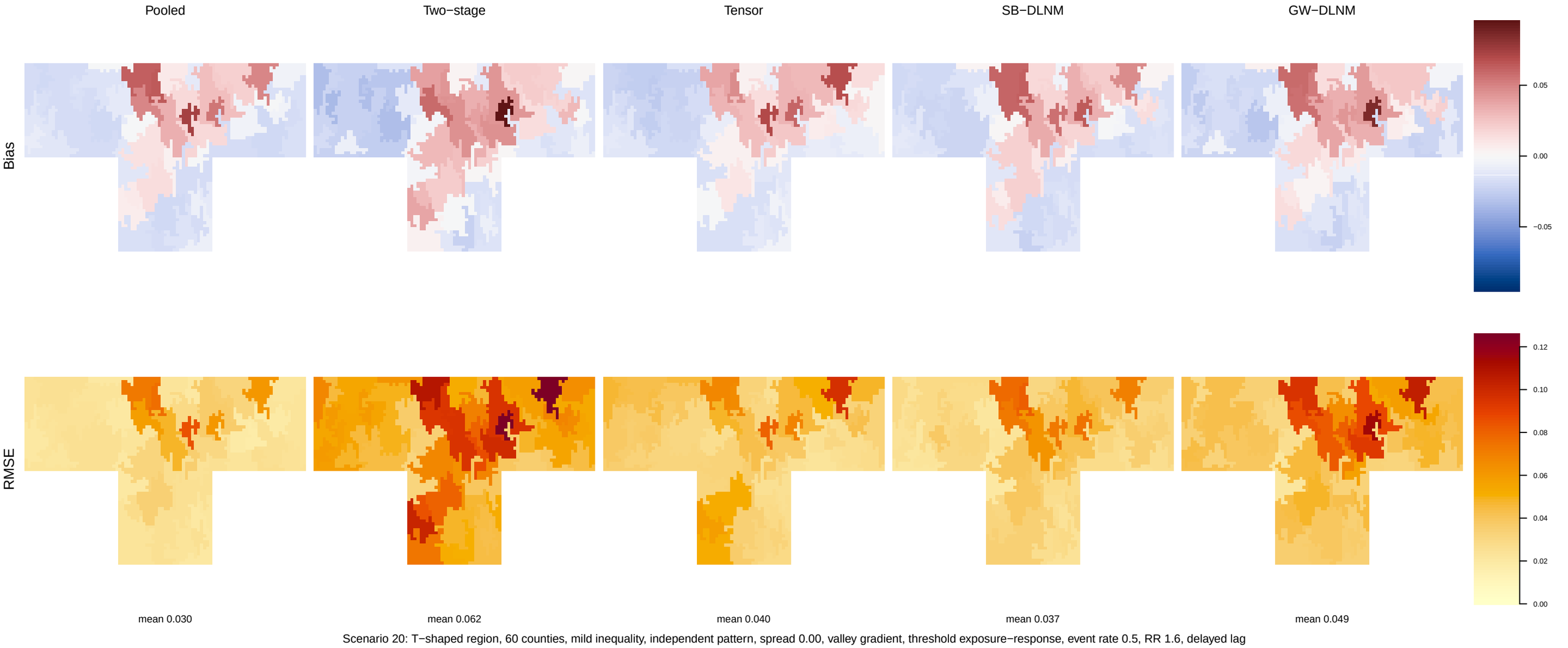
Scenario 84: T−shaped region, 60 counties, mild inequality, local pattern, spread 0.00, edges gradient, threshold exposure−response, event rate 0.125, RR 1.0, harvest lag



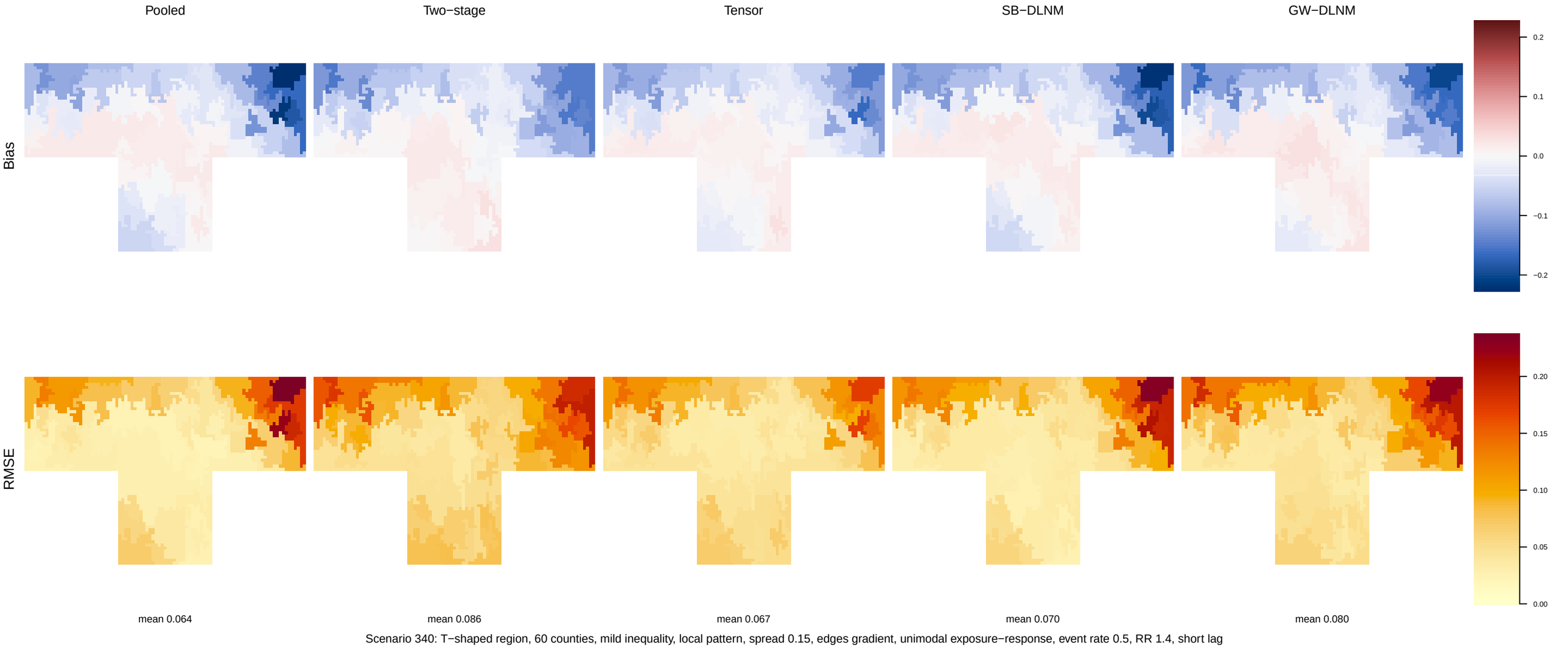
Scenario 148: T−shaped region, 60 counties, mild inequality, regional pattern, spread 0.00, NS gradient, threshold exposure−response, event rate 8, RR 1.4, short lag



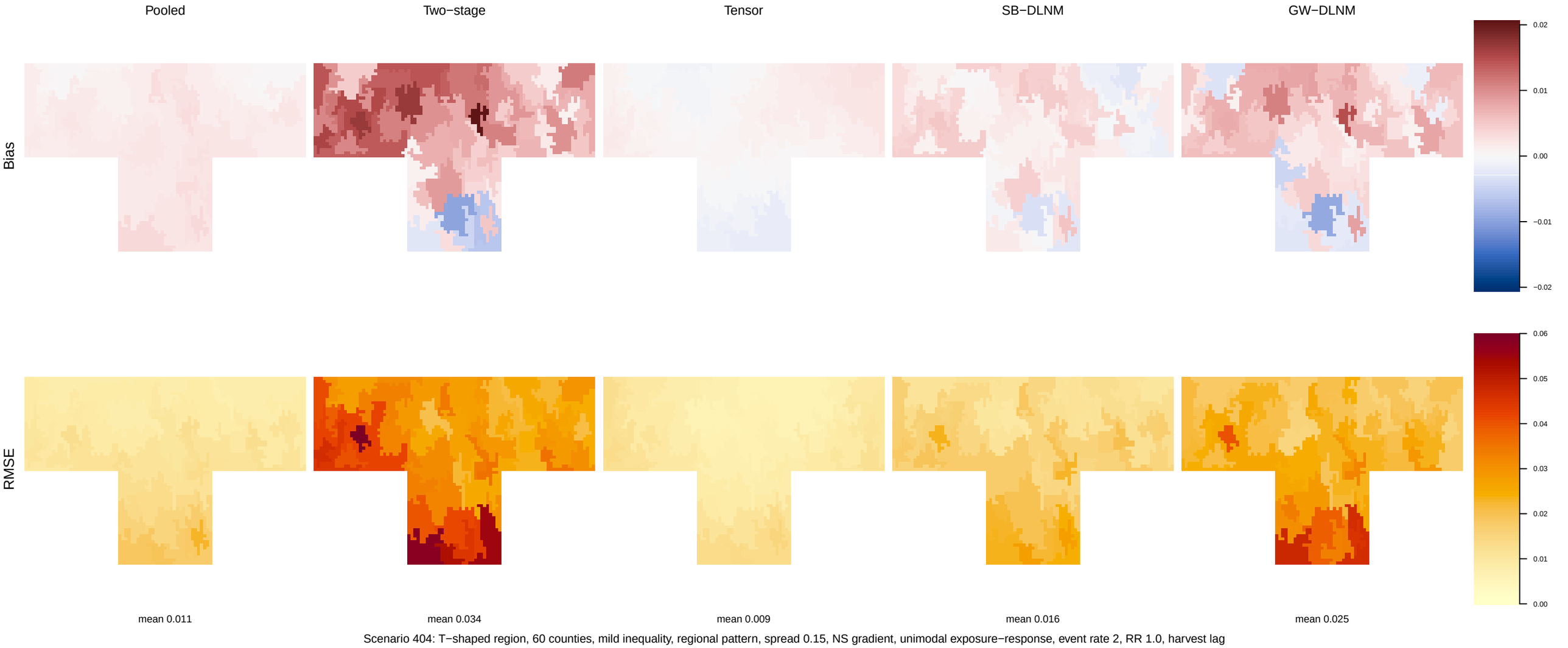
Scenario 212: T−shaped region, 60 counties, mild inequality, boundary pattern, spread 0.00, ridge gradient, threshold exposure−response, event rate 2, RR 1.2, decay lag



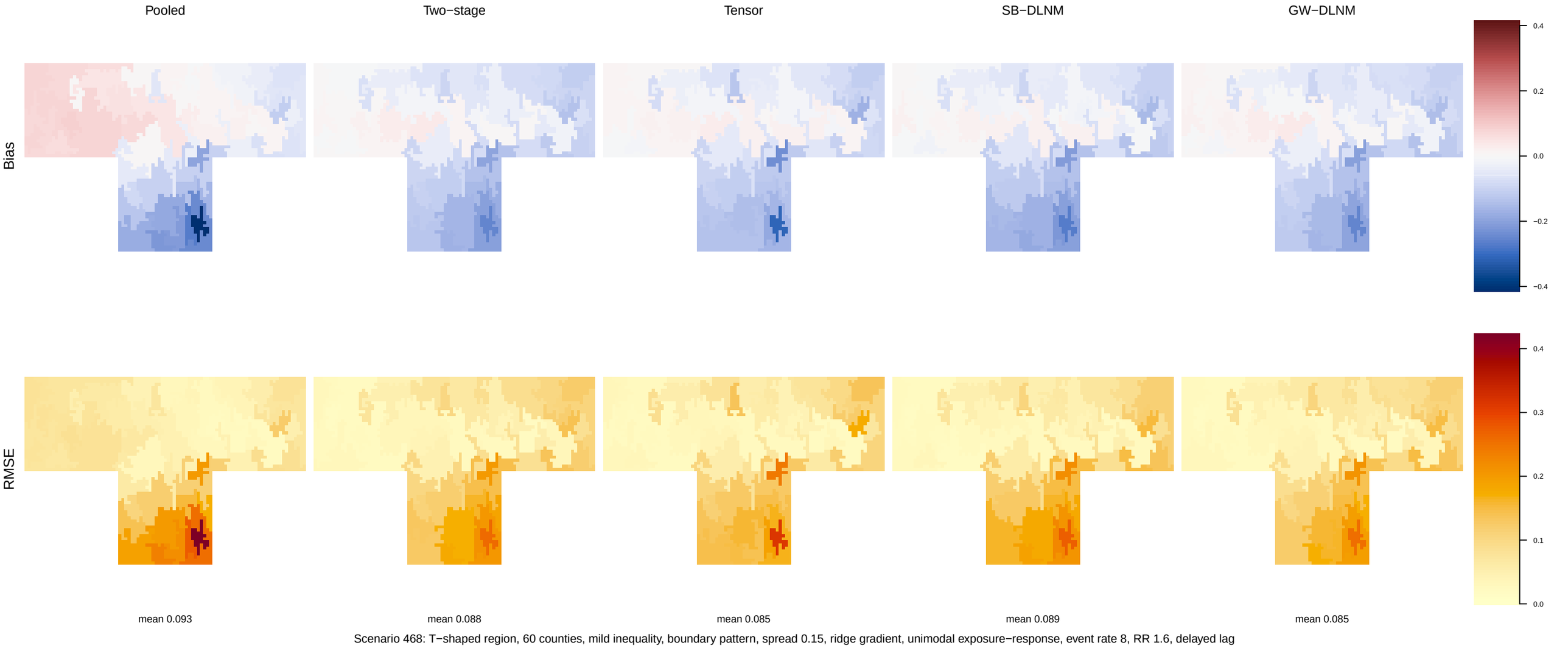
Scenario 20: T−shaped region, 60 counties, mild inequality, independent pattern, spread 0.00, valley gradient, threshold exposure−response, event rate 0.5, RR 1.6, delayed lag



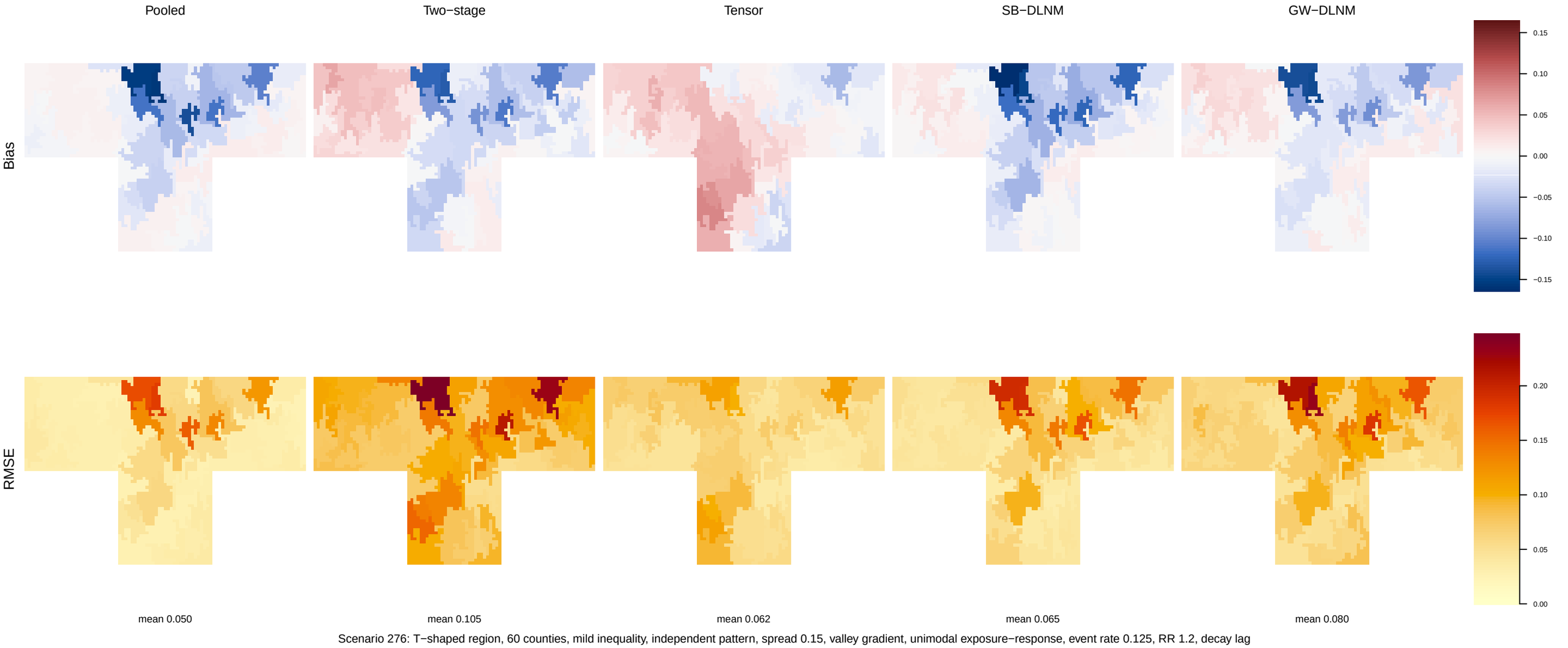
Scenario 340: T−shaped region, 60 counties, mild inequality, local pattern, spread 0.15, edges gradient, unimodal exposure−response, event rate 0.5, RR 1.4, short lag



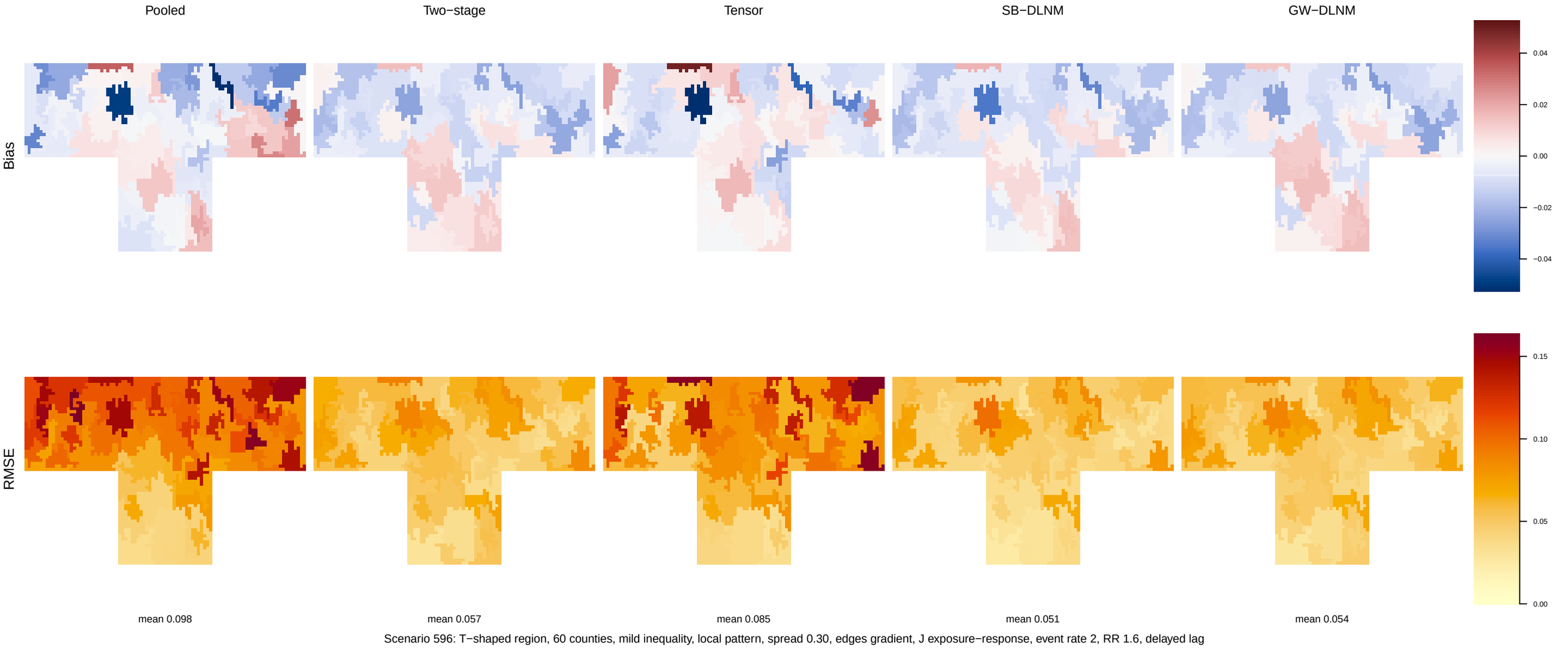
Scenario 404: T−shaped region, 60 counties, mild inequality, regional pattern, spread 0.15, NS gradient, unimodal exposure−response, event rate 2, RR 1.0, harvest lag



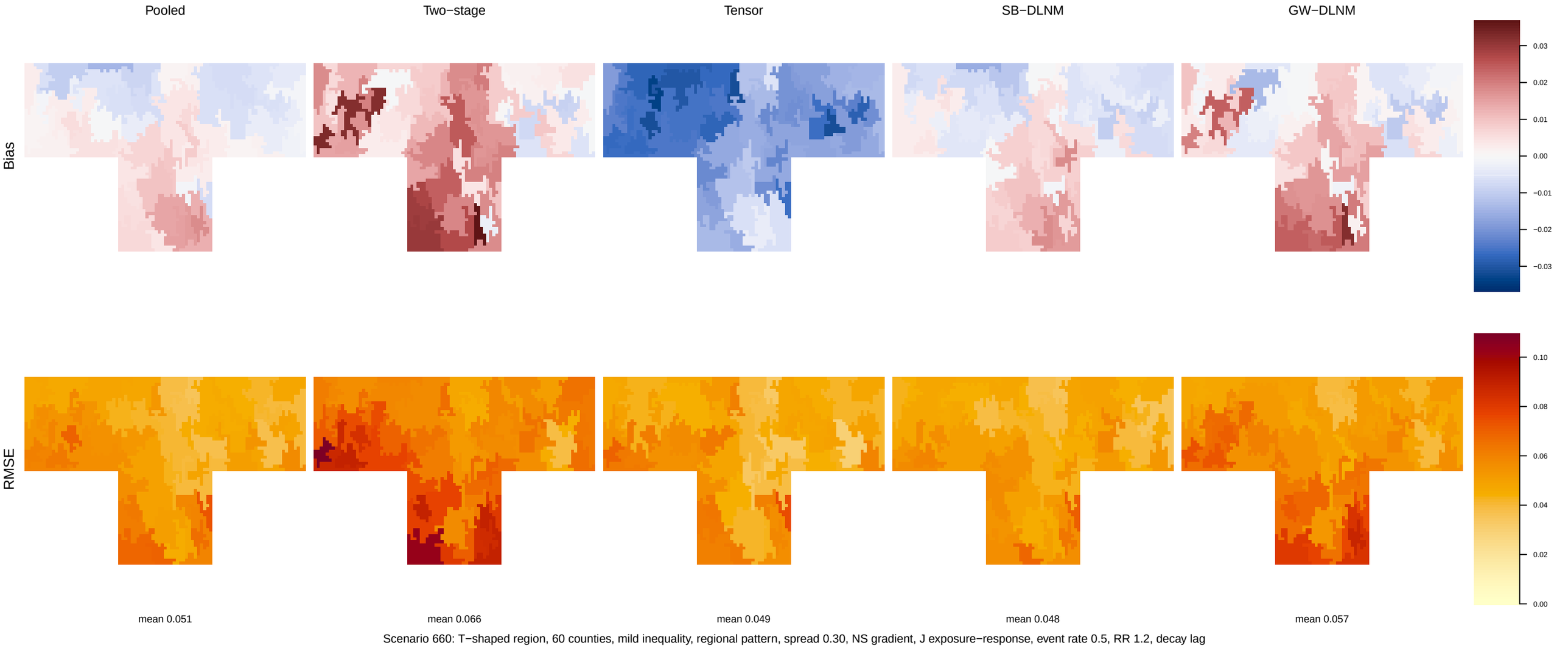
Scenario 468: T−shaped region, 60 counties, mild inequality, boundary pattern, spread 0.15, ridge gradient, unimodal exposure−response, event rate 8, RR 1.6, delayed lag



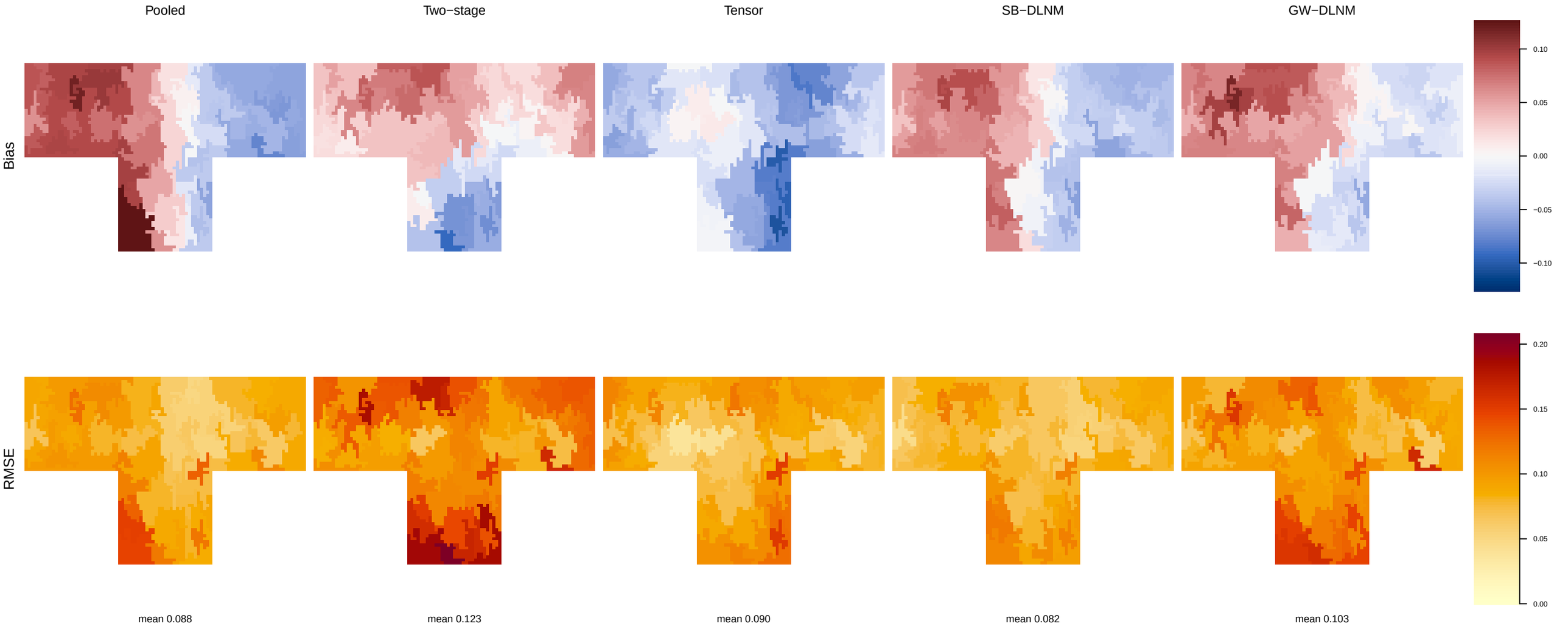
Scenario 276: T−shaped region, 60 counties, mild inequality, independent pattern, spread 0.15, valley gradient, unimodal exposure−response, event rate 0.125, RR 1.2, decay lag



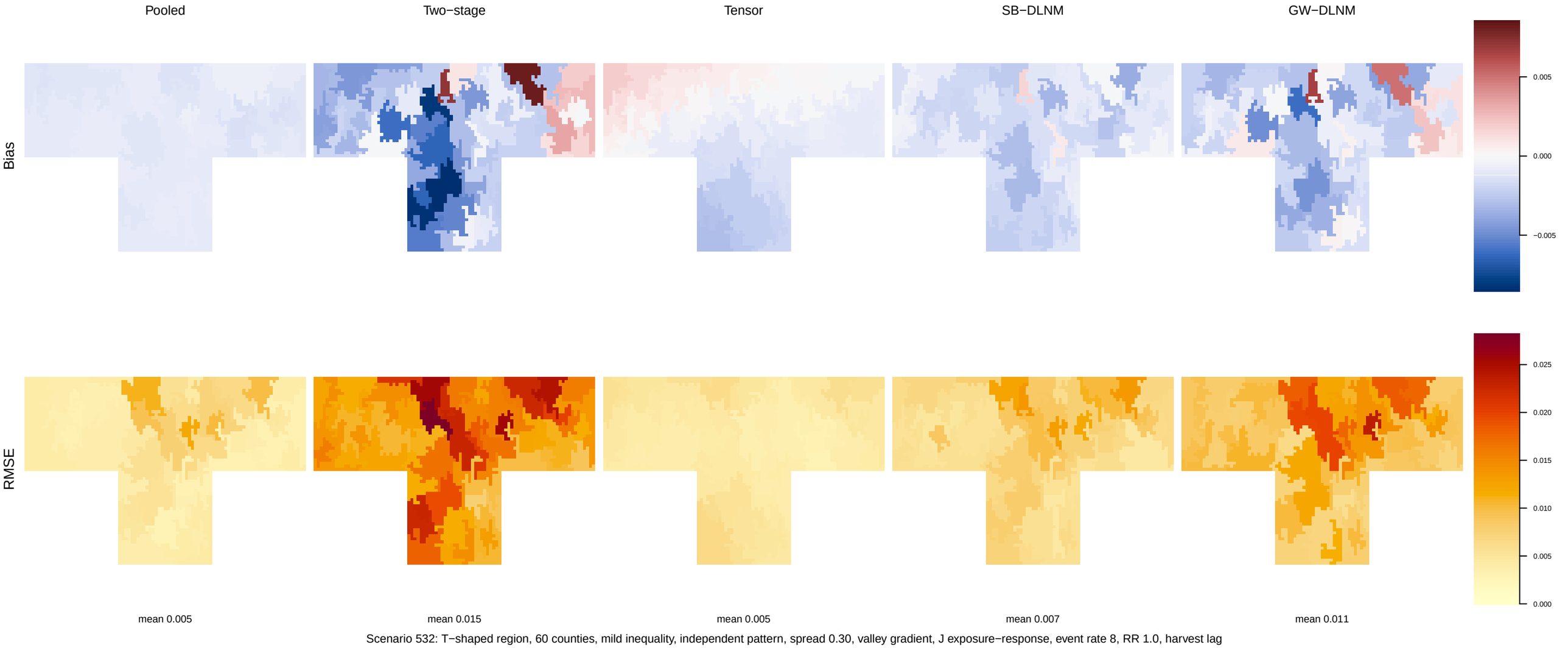
Scenario 596: T−shaped region, 60 counties, mild inequality, local pattern, spread 0.30, edges gradient, J exposure−response, event rate 2, RR 1.6, delayed lag



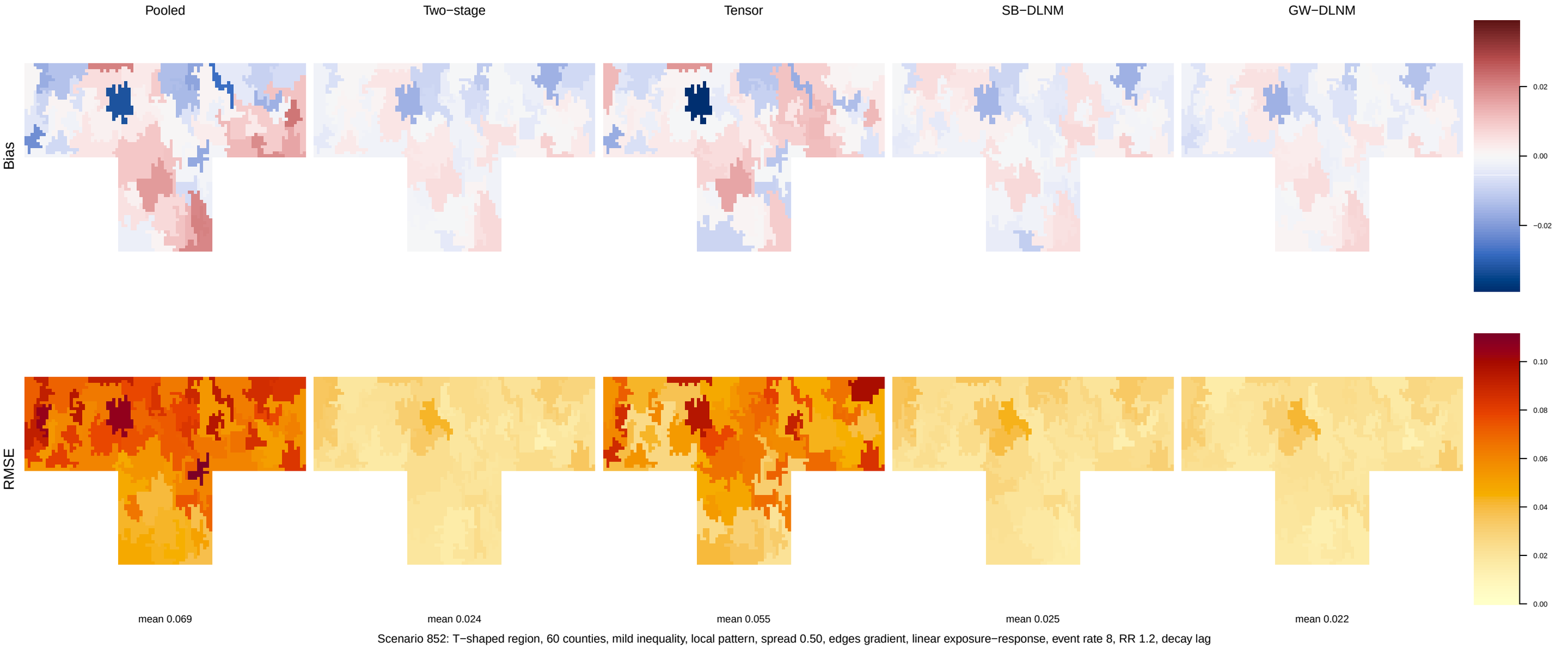
Scenario 660: T−shaped region, 60 counties, mild inequality, regional pattern, spread 0.30, NS gradient, J exposure−response, event rate 0.5, RR 1.2, decay lag



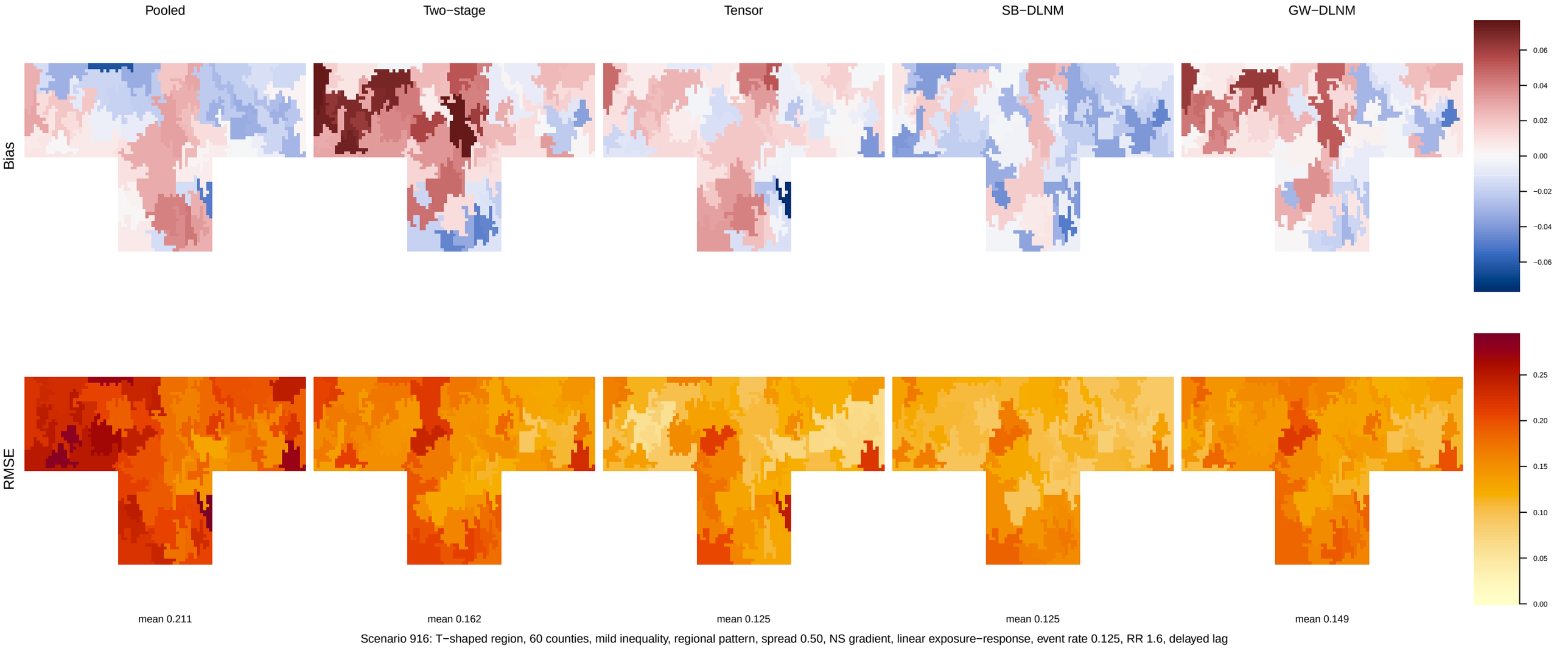
Scenario 724: T−shaped region, 60 counties, mild inequality, boundary pattern, spread 0.30, ridge gradient, J exposure−response, event rate 0.125, RR 1.4, short lag



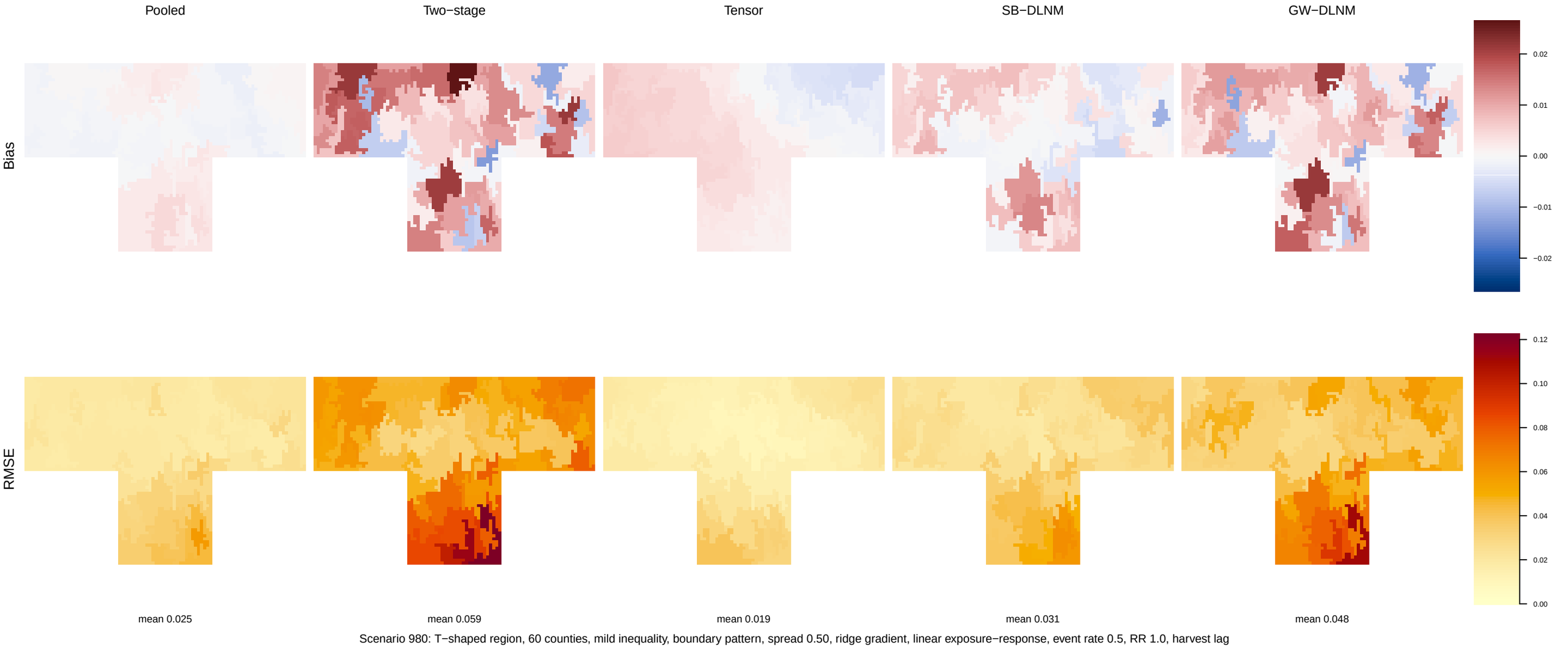
Scenario 532: T−shaped region, 60 counties, mild inequality, independent pattern, spread 0.30, valley gradient, J exposure−response, event rate 8, RR 1.0, harvest lag



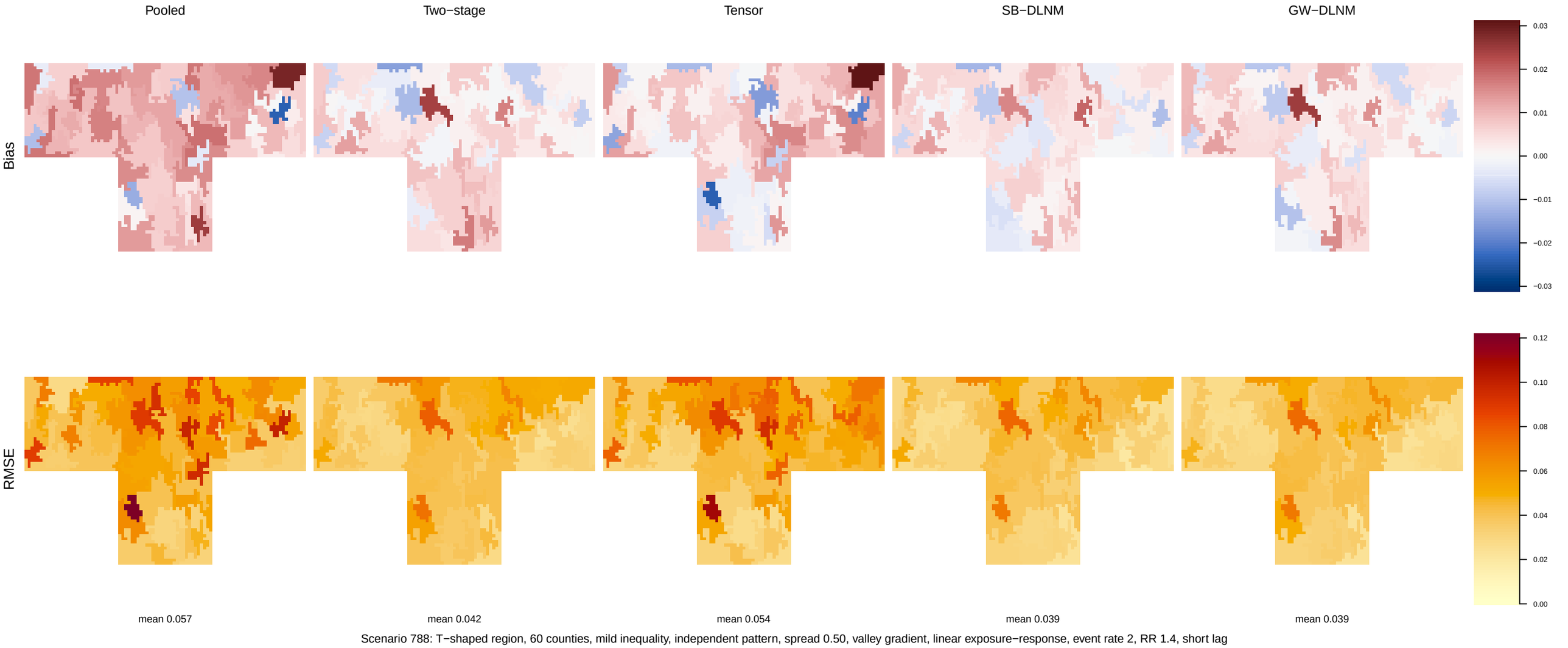
Scenario 852: T−shaped region, 60 counties, mild inequality, local pattern, spread 0.50, edges gradient, linear exposure−response, event rate 8, RR 1.2, decay lag



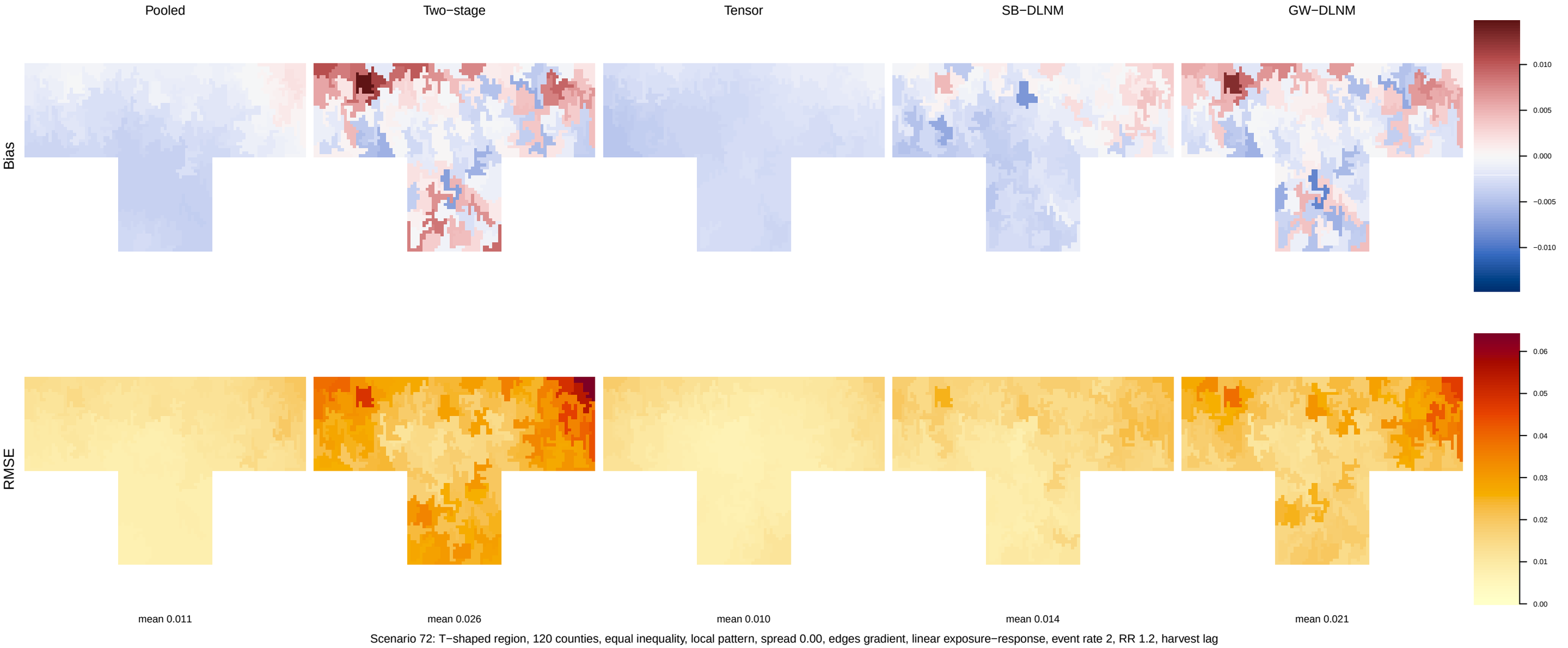
Scenario 916: T−shaped region, 60 counties, mild inequality, regional pattern, spread 0.50, NS gradient, linear exposure−response, event rate 0.125, RR 1.6, delayed lag



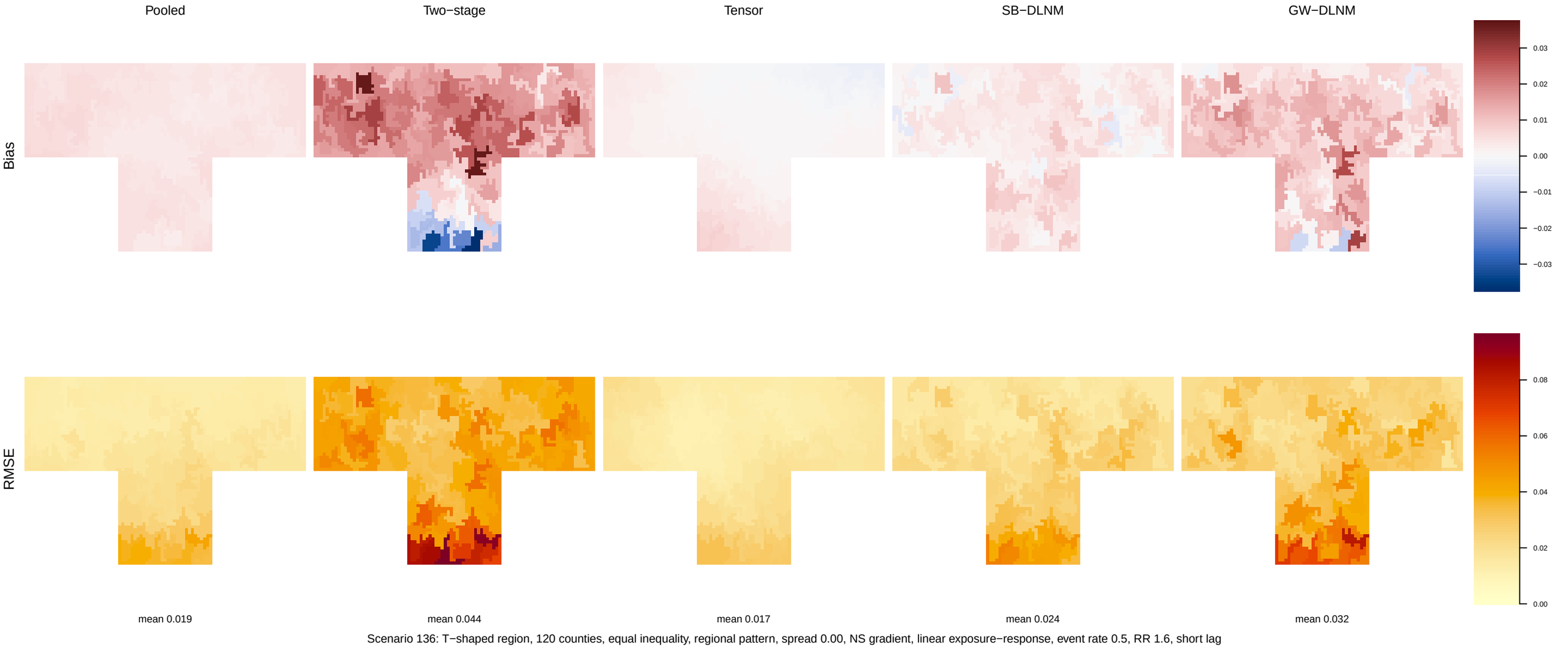
Scenario 980: T−shaped region, 60 counties, mild inequality, boundary pattern, spread 0.50, ridge gradient, linear exposure−response, event rate 0.5, RR 1.0, harvest lag



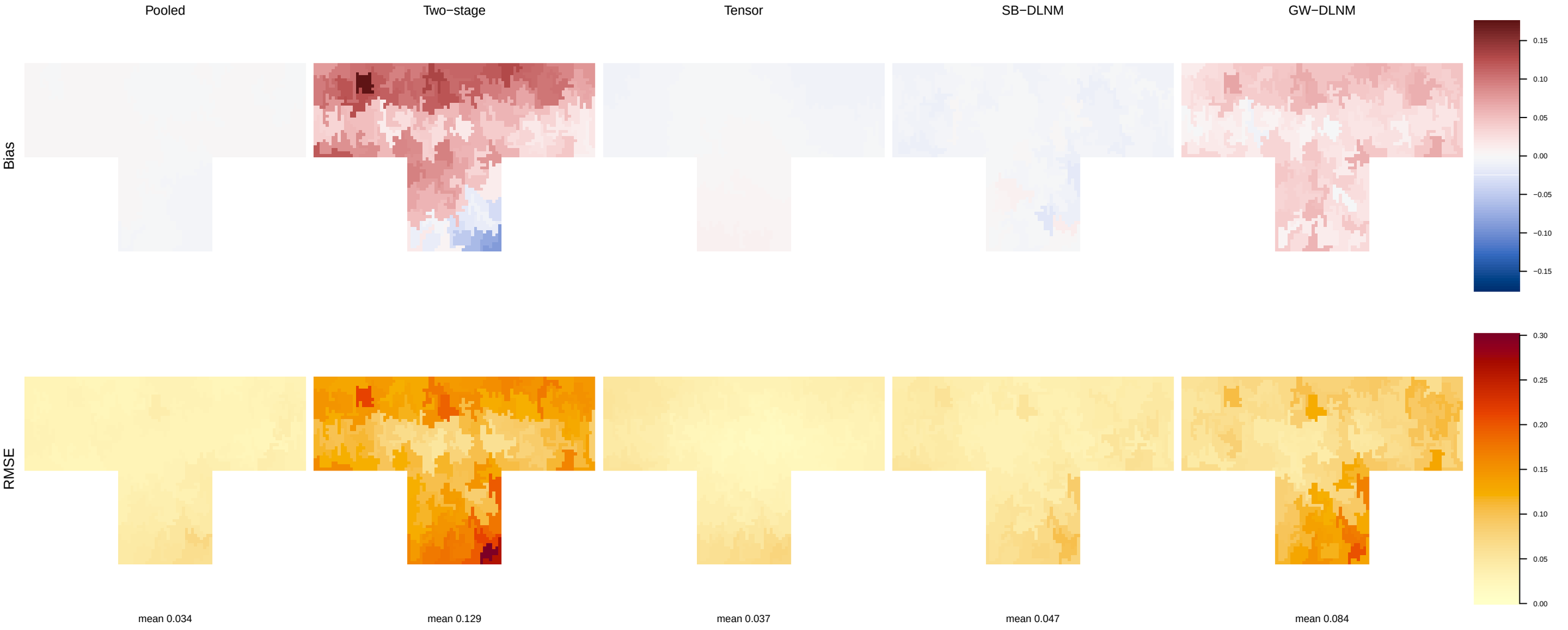
Scenario 788: T−shaped region, 60 counties, mild inequality, independent pattern, spread 0.50, valley gradient, linear exposure−response, event rate 2, RR 1.4, short lag



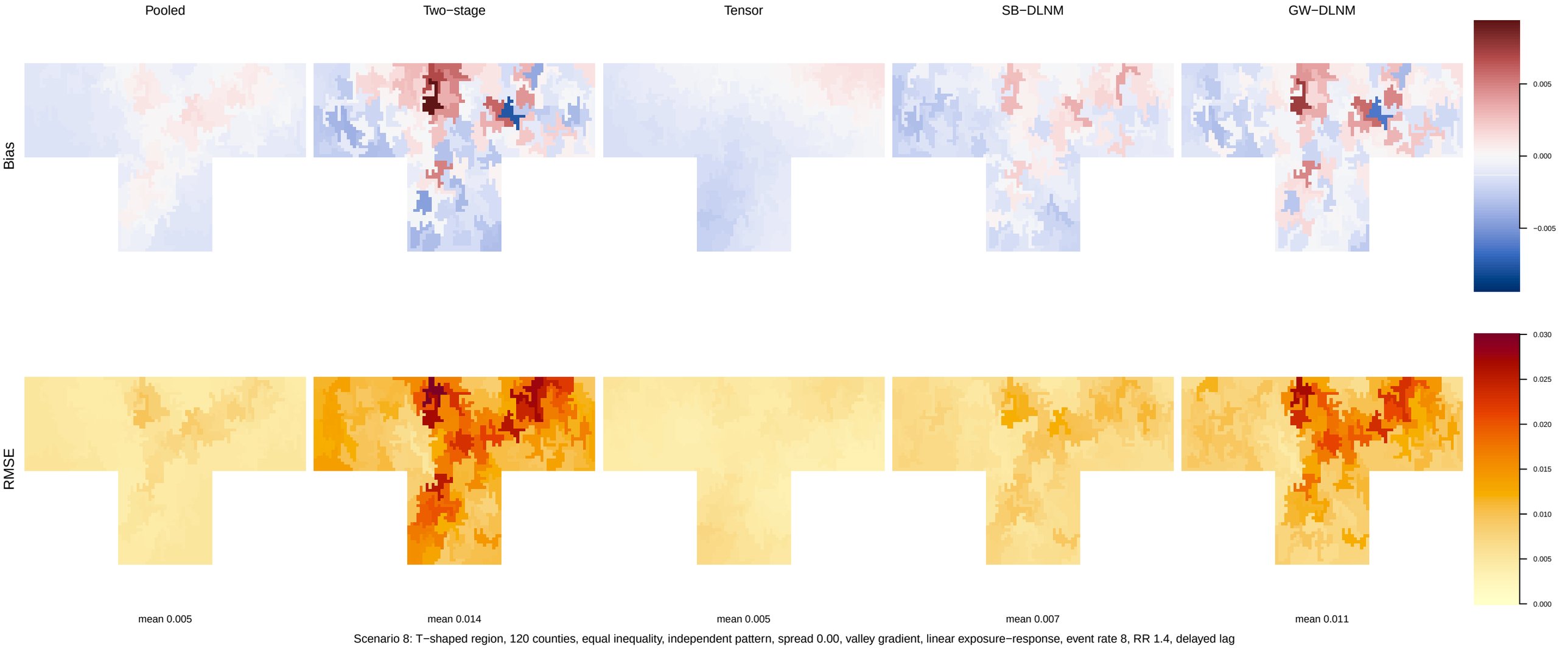
Scenario 72: T−shaped region, 120 counties, equal inequality, local pattern, spread 0.00, edges gradient, linear exposure−response, event rate 2, RR 1.2, harvest lag



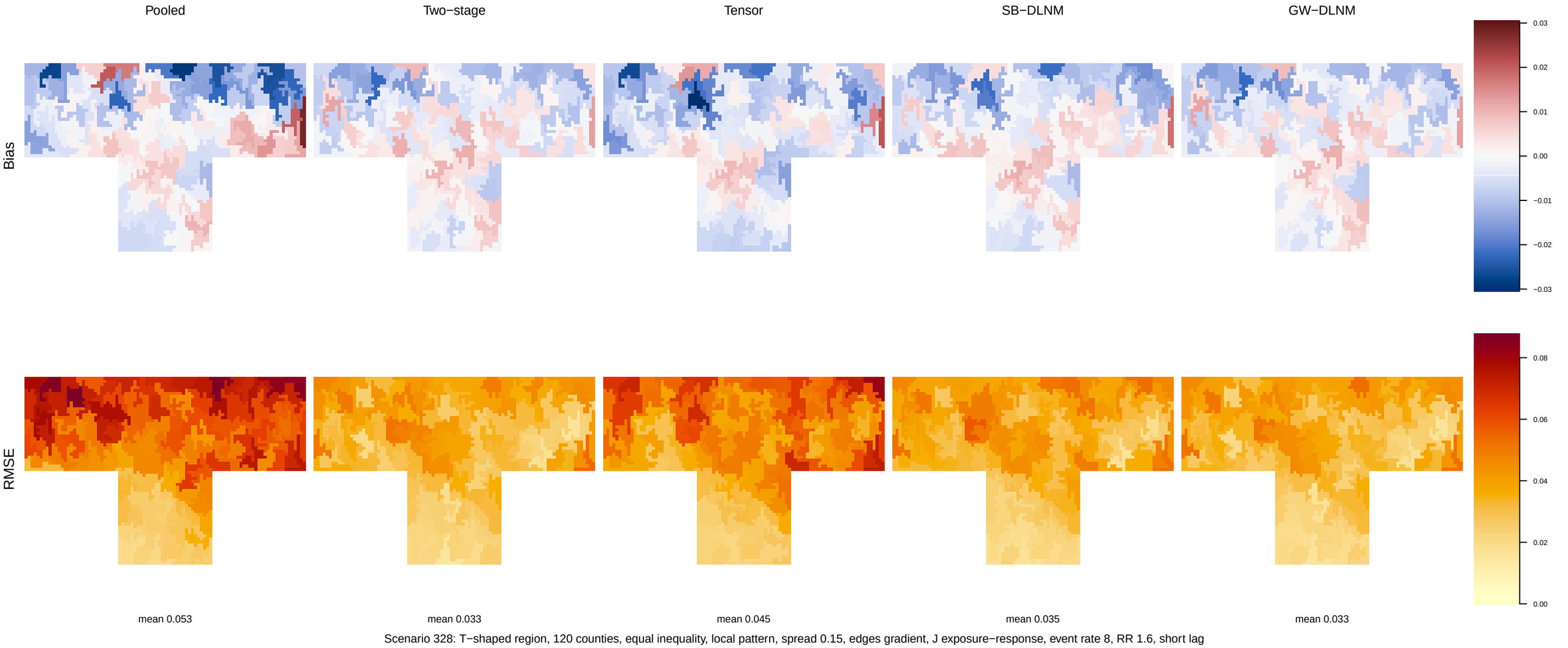
Scenario 136: T−shaped region, 120 counties, equal inequality, regional pattern, spread 0.00, NS gradient, linear exposure−response, event rate 0.5, RR 1.6, short lag



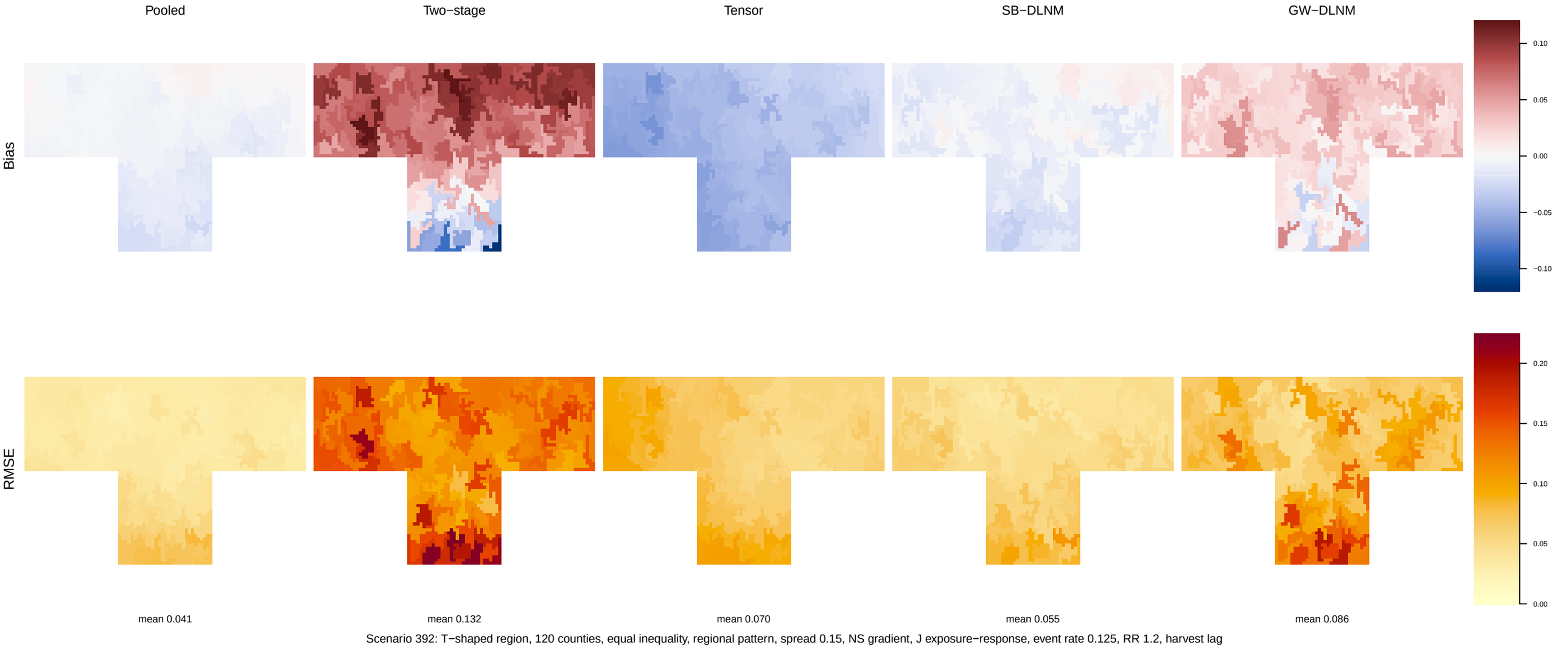
Scenario 200: T−shaped region, 120 counties, equal inequality, boundary pattern, spread 0.00, ridge gradient, linear exposure−response, event rate 0.125, RR 1.0, decay lag



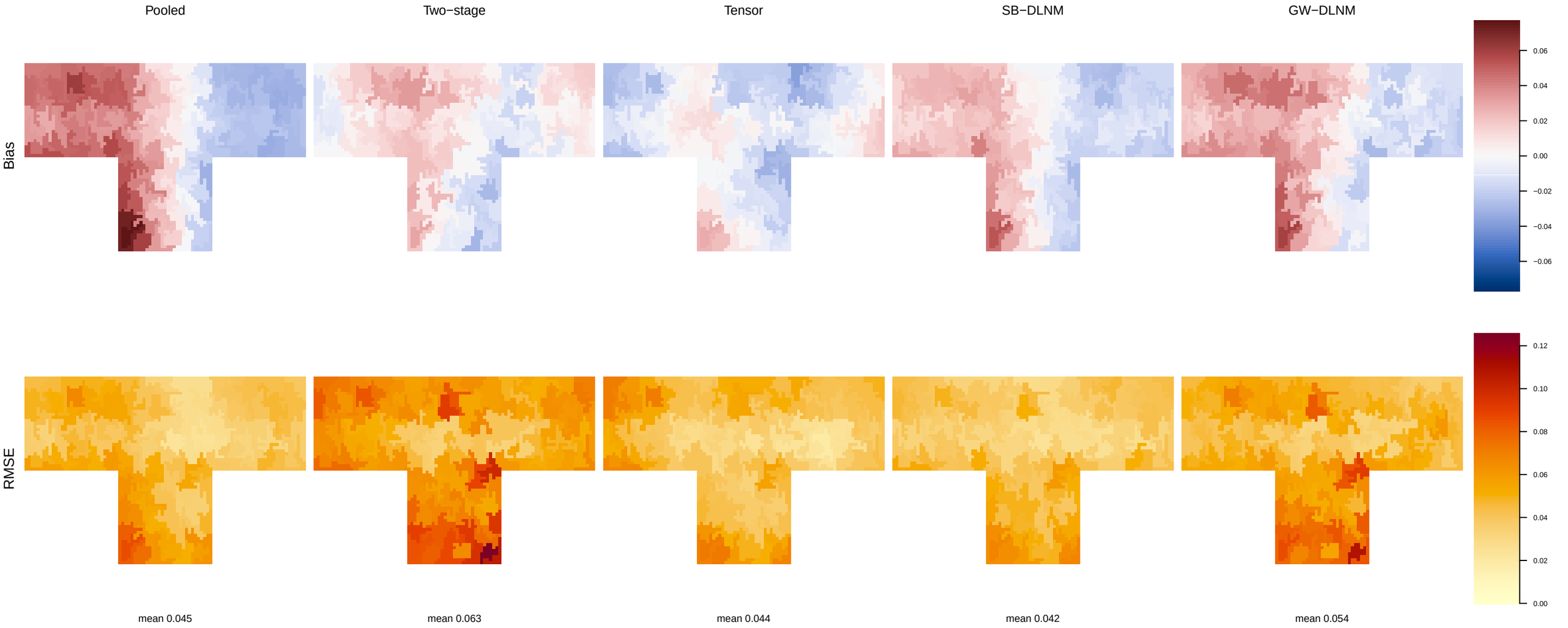
Scenario 8: T−shaped region, 120 counties, equal inequality, independent pattern, spread 0.00, valley gradient, linear exposure−response, event rate 8, RR 1.4, delayed lag



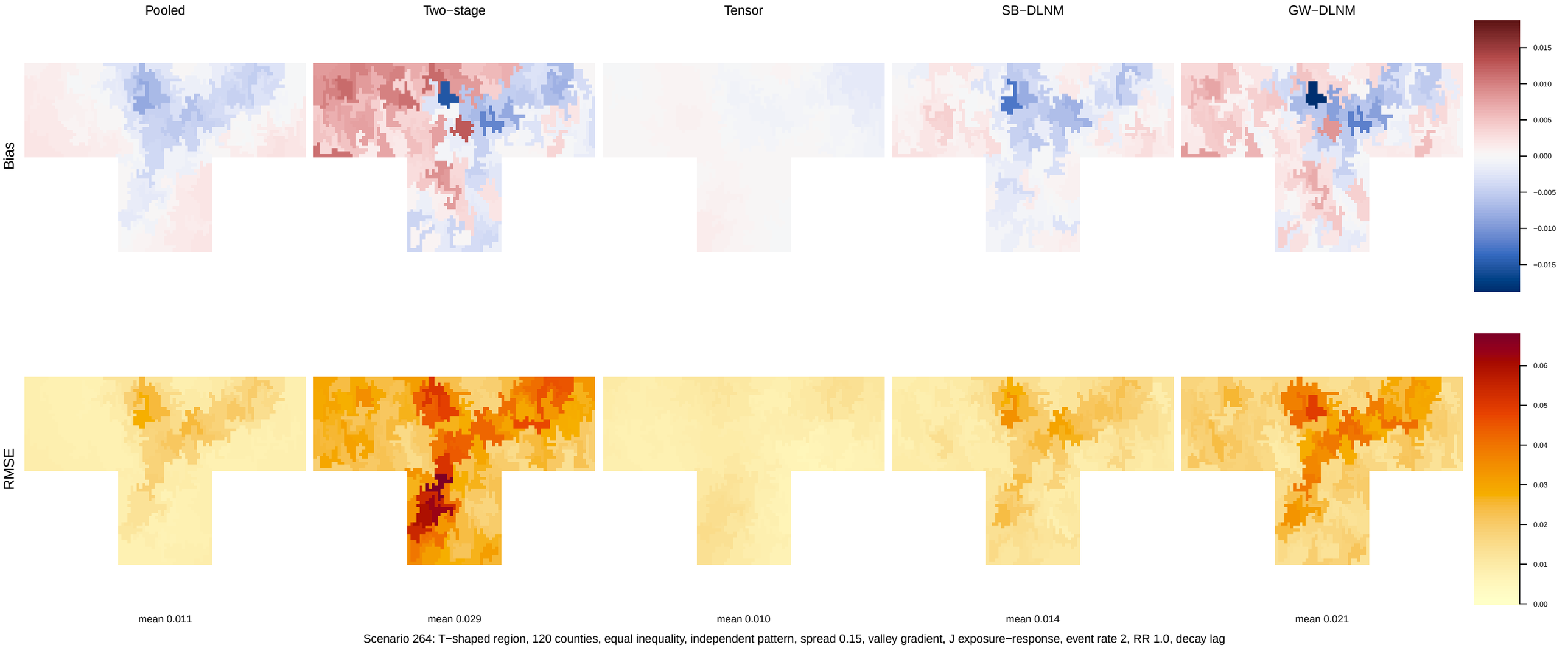
Scenario 328: T−shaped region, 120 counties, equal inequality, local pattern, spread 0.15, edges gradient, J exposure−response, event rate 8, RR 1.6, short lag



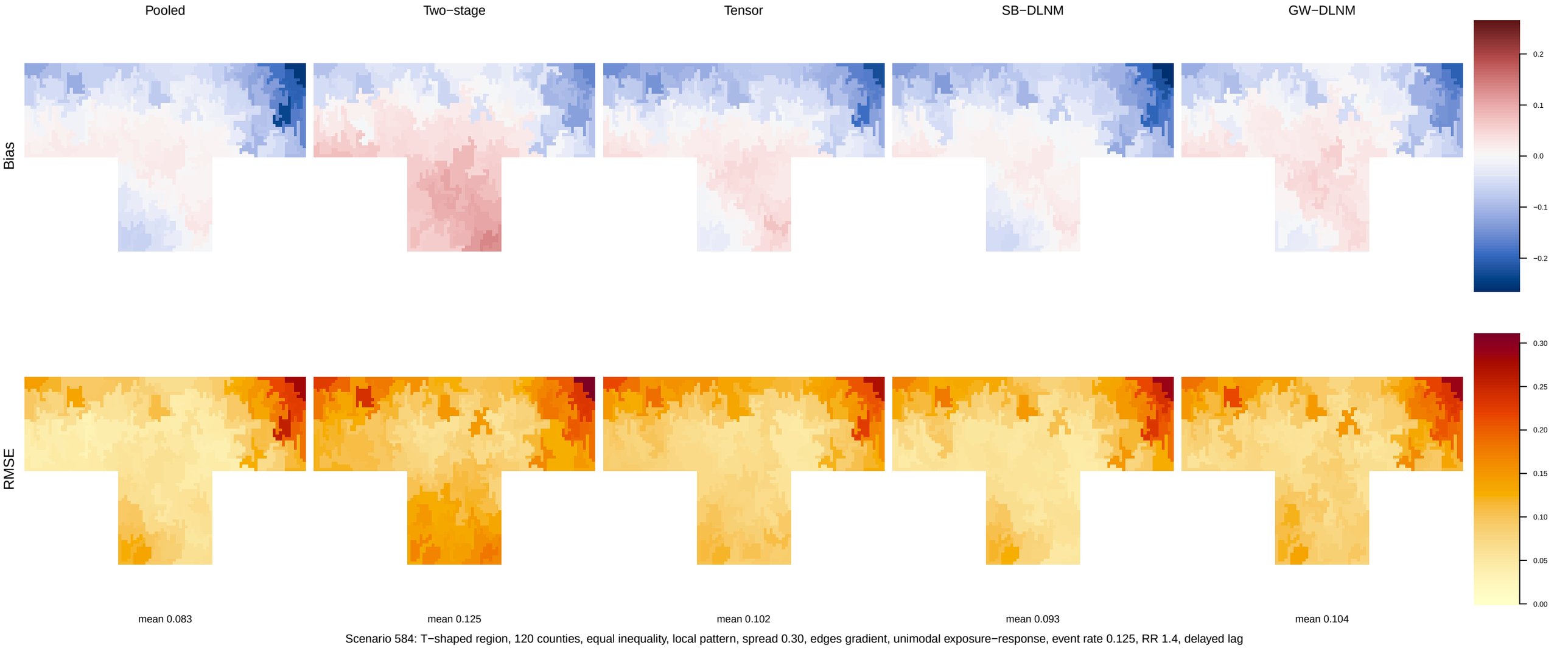
Scenario 392: T−shaped region, 120 counties, equal inequality, regional pattern, spread 0.15, NS gradient, J exposure−response, event rate 0.125, RR 1.2, harvest lag



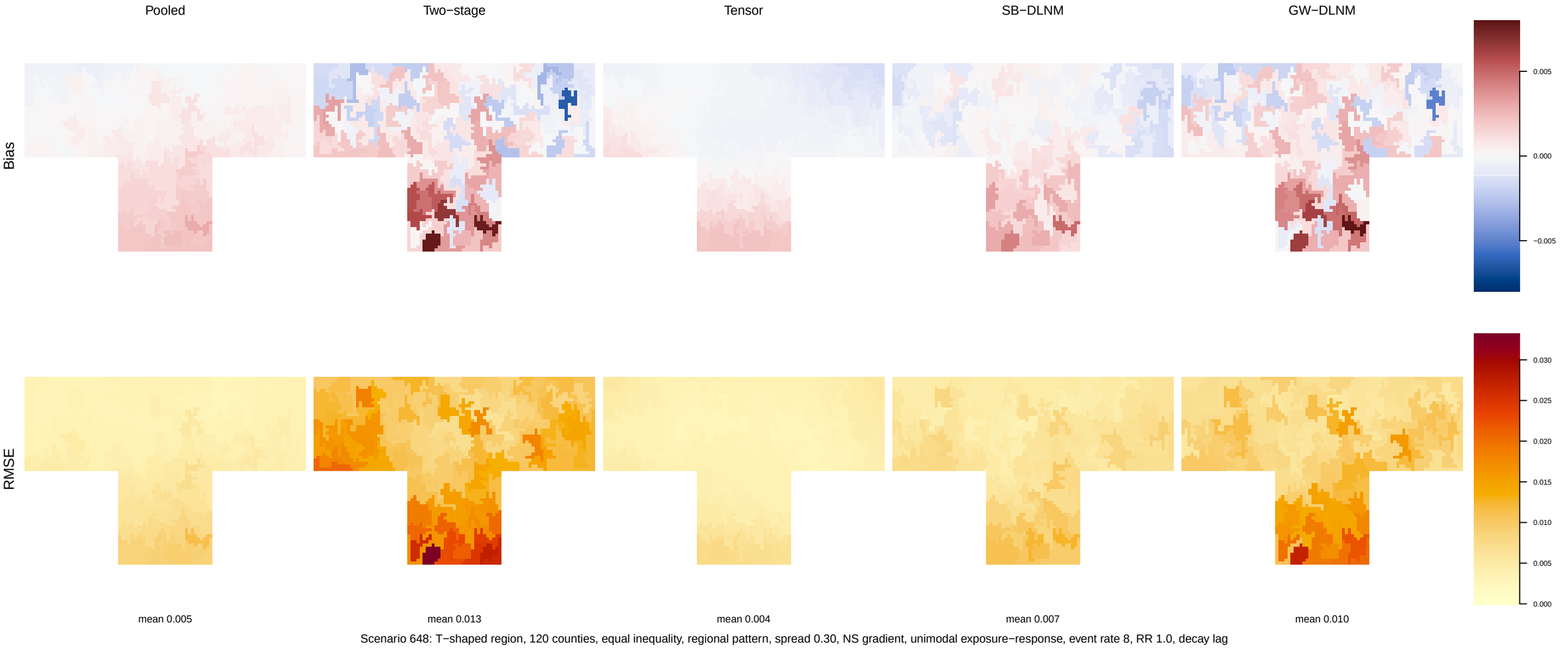
Scenario 456: T−shaped region, 120 counties, equal inequality, boundary pattern, spread 0.15, ridge gradient, J exposure−response, event rate 0.5, RR 1.4, delayed lag



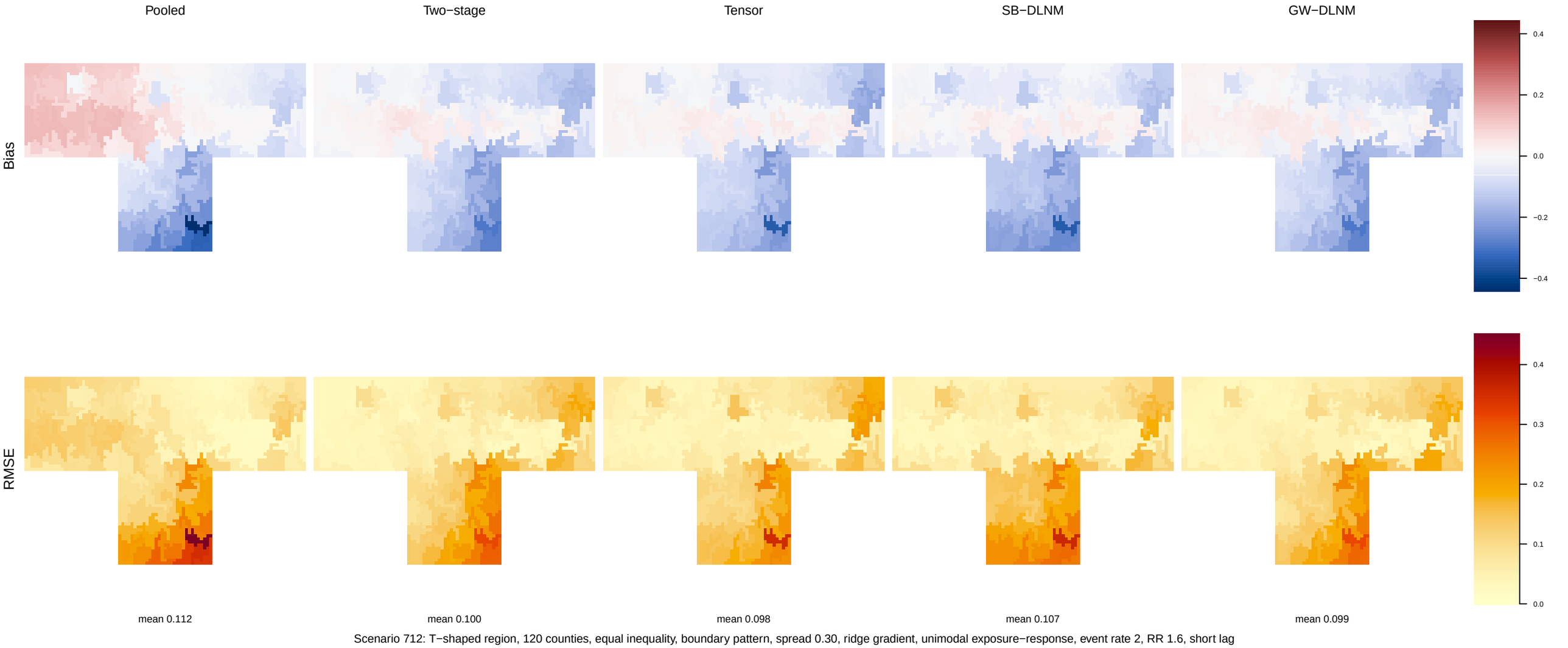
Scenario 264: T−shaped region, 120 counties, equal inequality, independent pattern, spread 0.15, valley gradient, J exposure−response, event rate 2, RR 1.0, decay lag



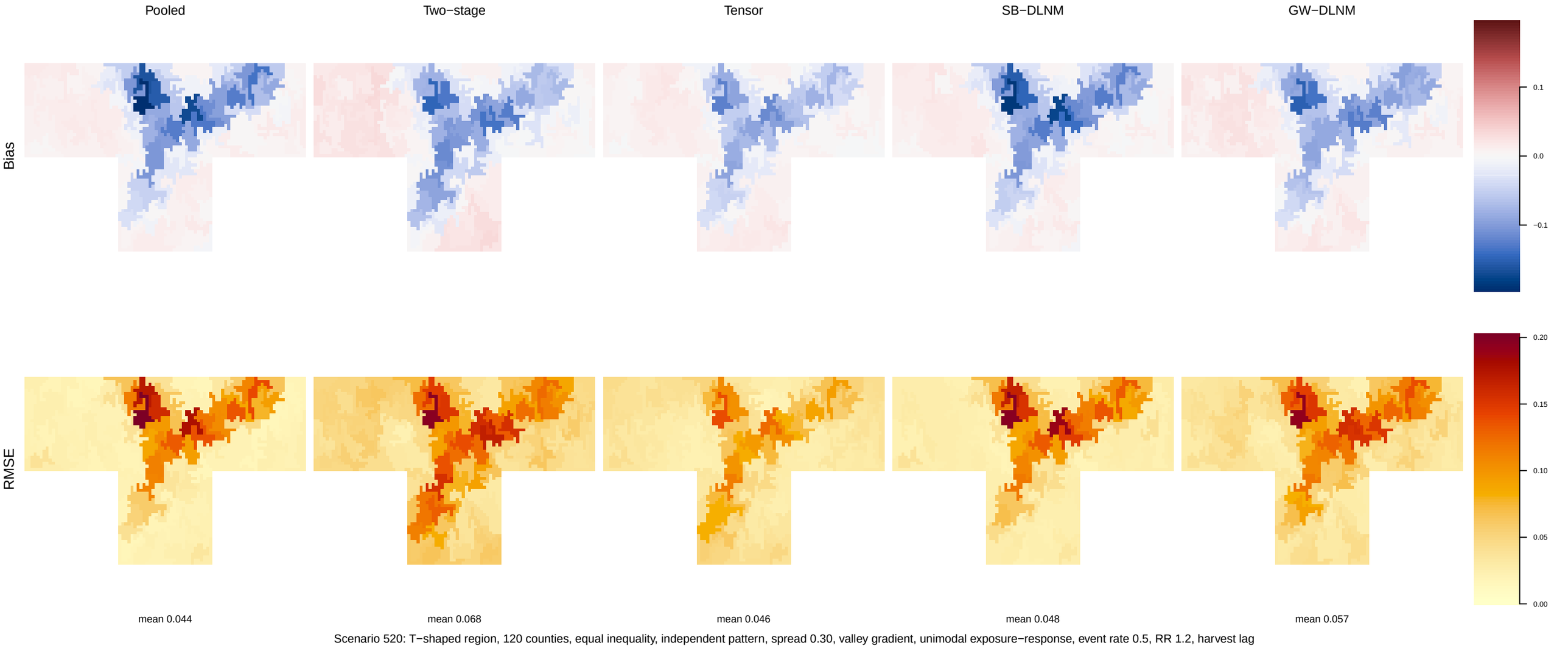
Scenario 584: T−shaped region, 120 counties, equal inequality, local pattern, spread 0.30, edges gradient, unimodal exposure−response, event rate 0.125, RR 1.4, delayed lag



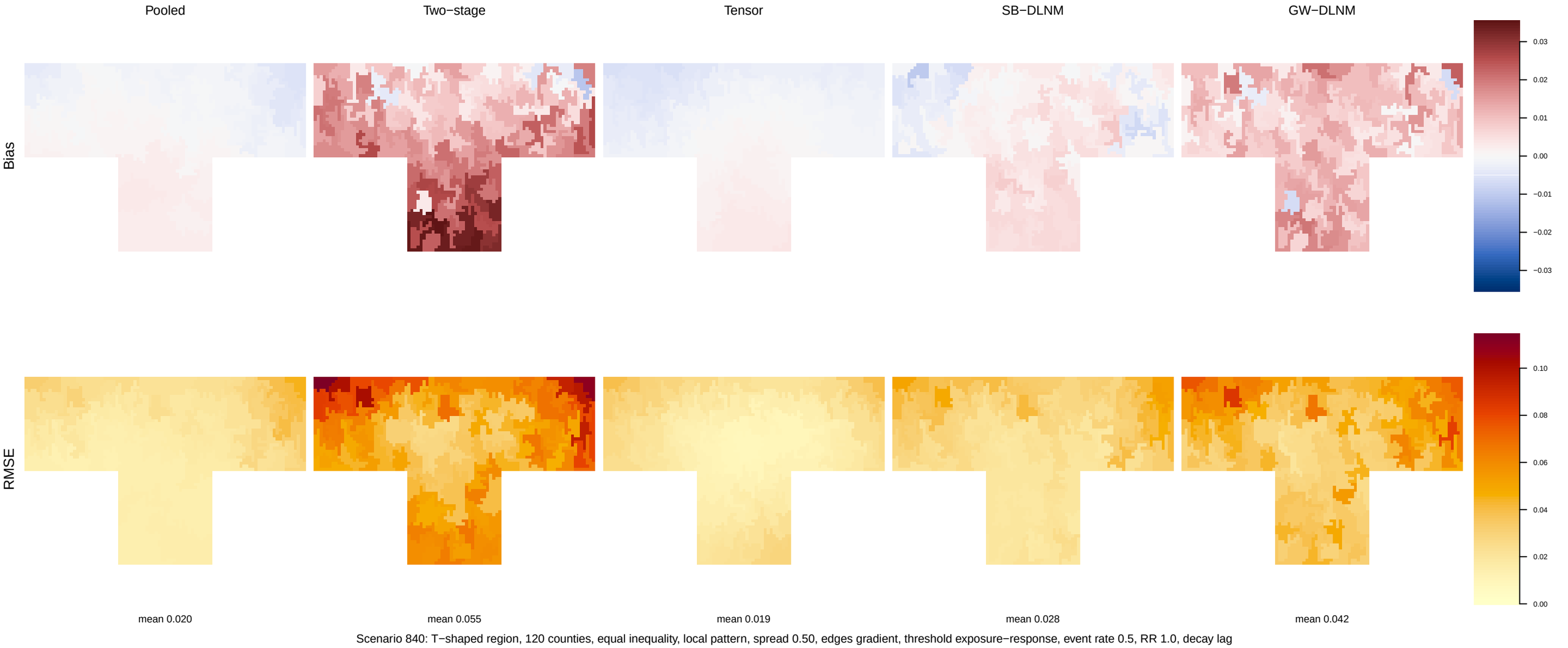
Scenario 648: T−shaped region, 120 counties, equal inequality, regional pattern, spread 0.30, NS gradient, unimodal exposure−response, event rate 8, RR 1.0, decay lag



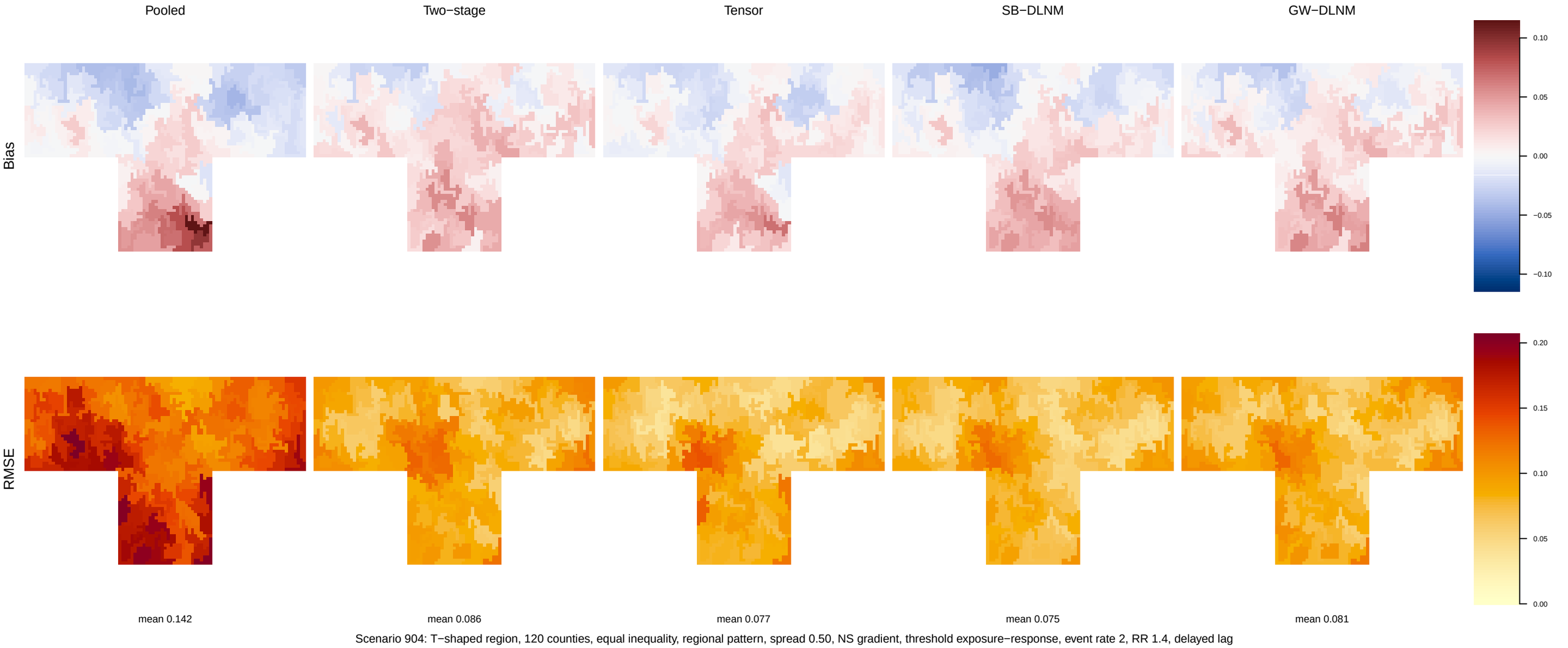
Scenario 712: T−shaped region, 120 counties, equal inequality, boundary pattern, spread 0.30, ridge gradient, unimodal exposure−response, event rate 2, RR 1.6, short lag



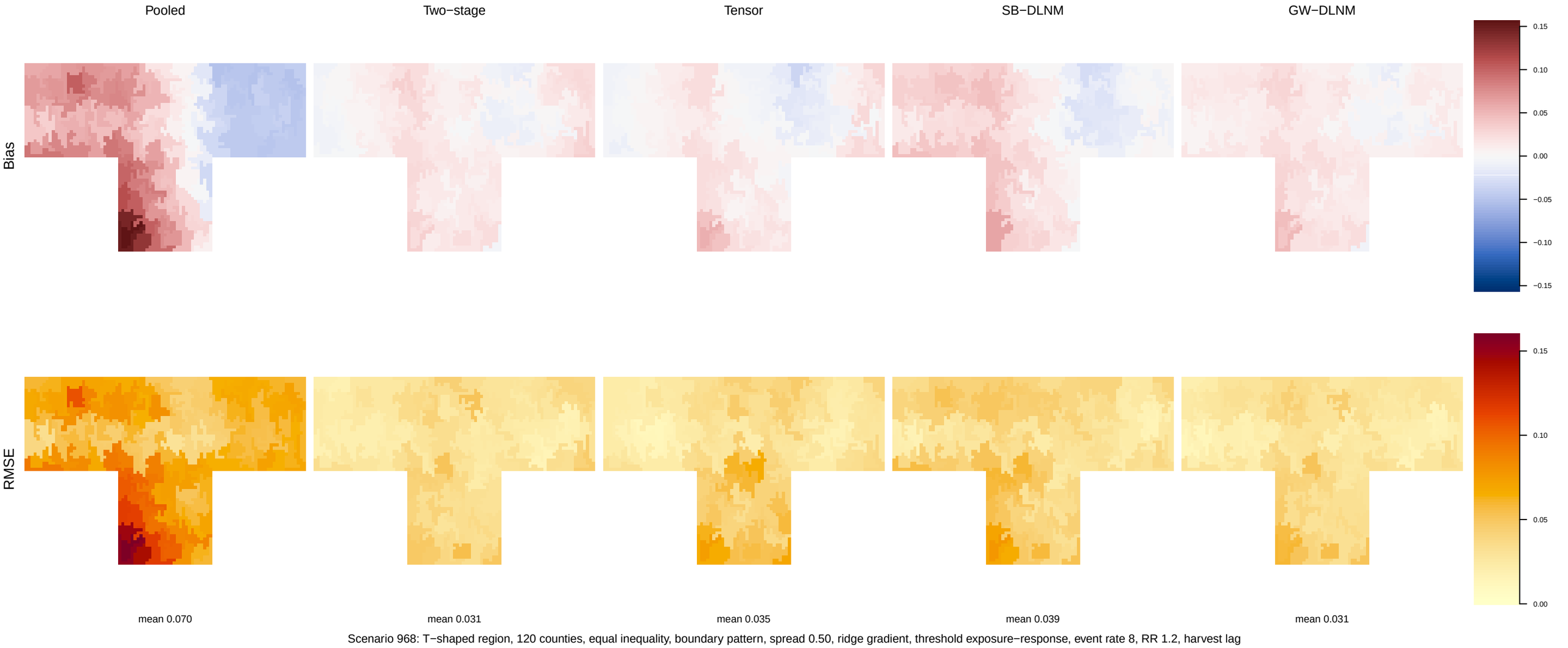
Scenario 520: T−shaped region, 120 counties, equal inequality, independent pattern, spread 0.30, valley gradient, unimodal exposure−response, event rate 0.5, RR 1.2, harvest lag



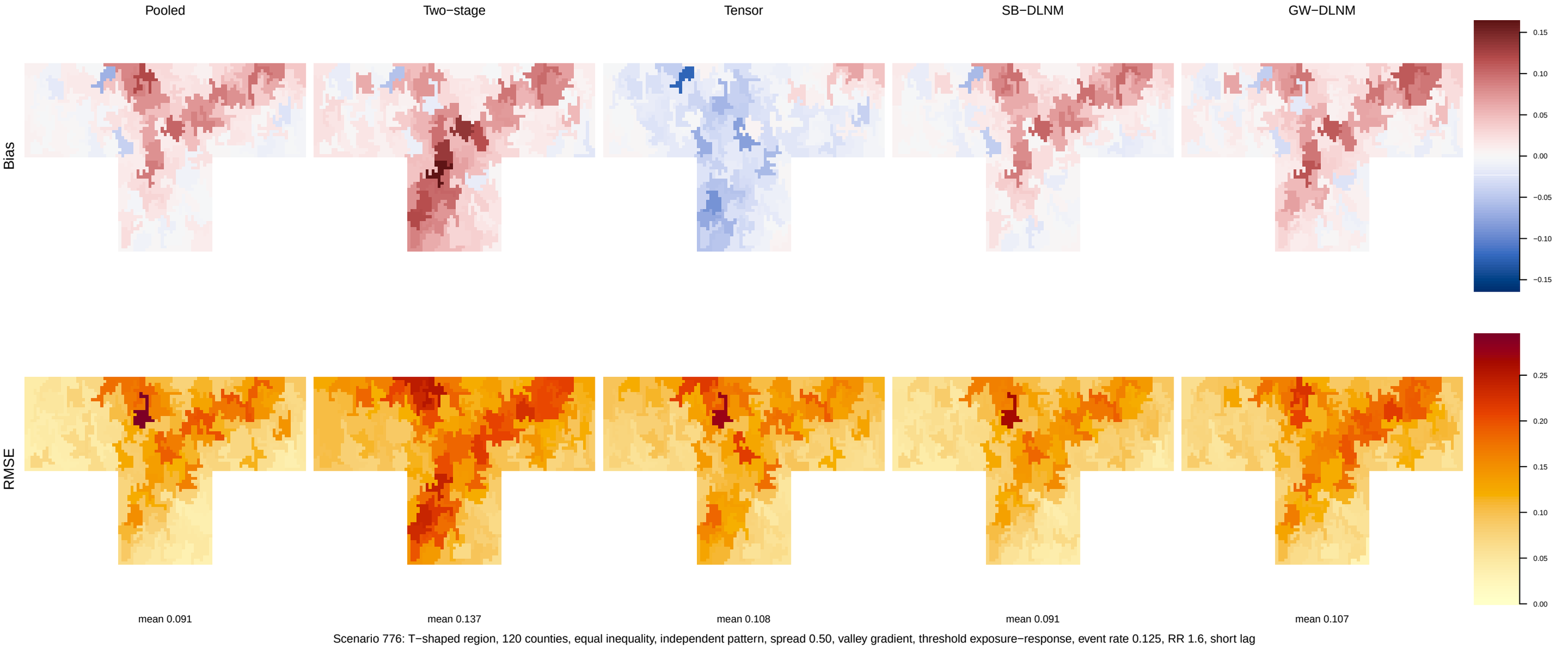
Scenario 840: T−shaped region, 120 counties, equal inequality, local pattern, spread 0.50, edges gradient, threshold exposure−response, event rate 0.5, RR 1.0, decay lag



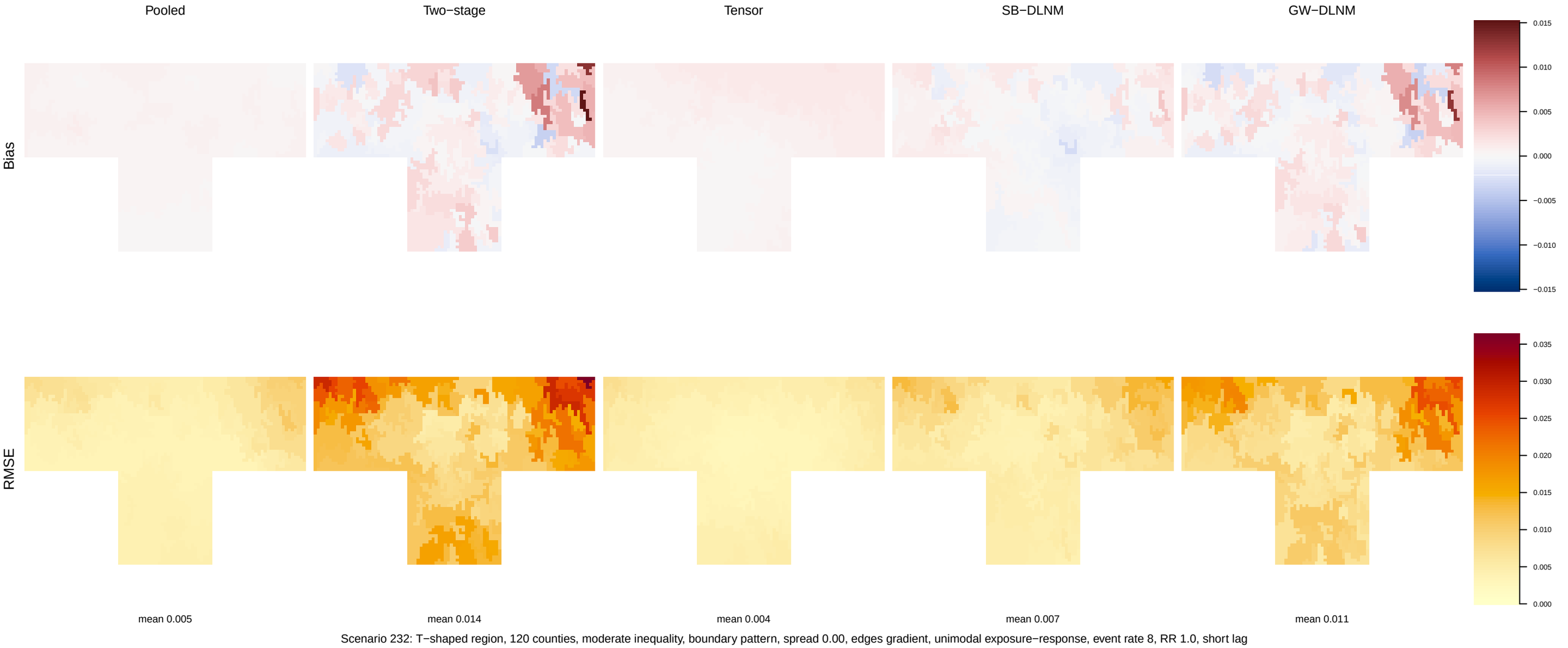
Scenario 904: T−shaped region, 120 counties, equal inequality, regional pattern, spread 0.50, NS gradient, threshold exposure−response, event rate 2, RR 1.4, delayed lag



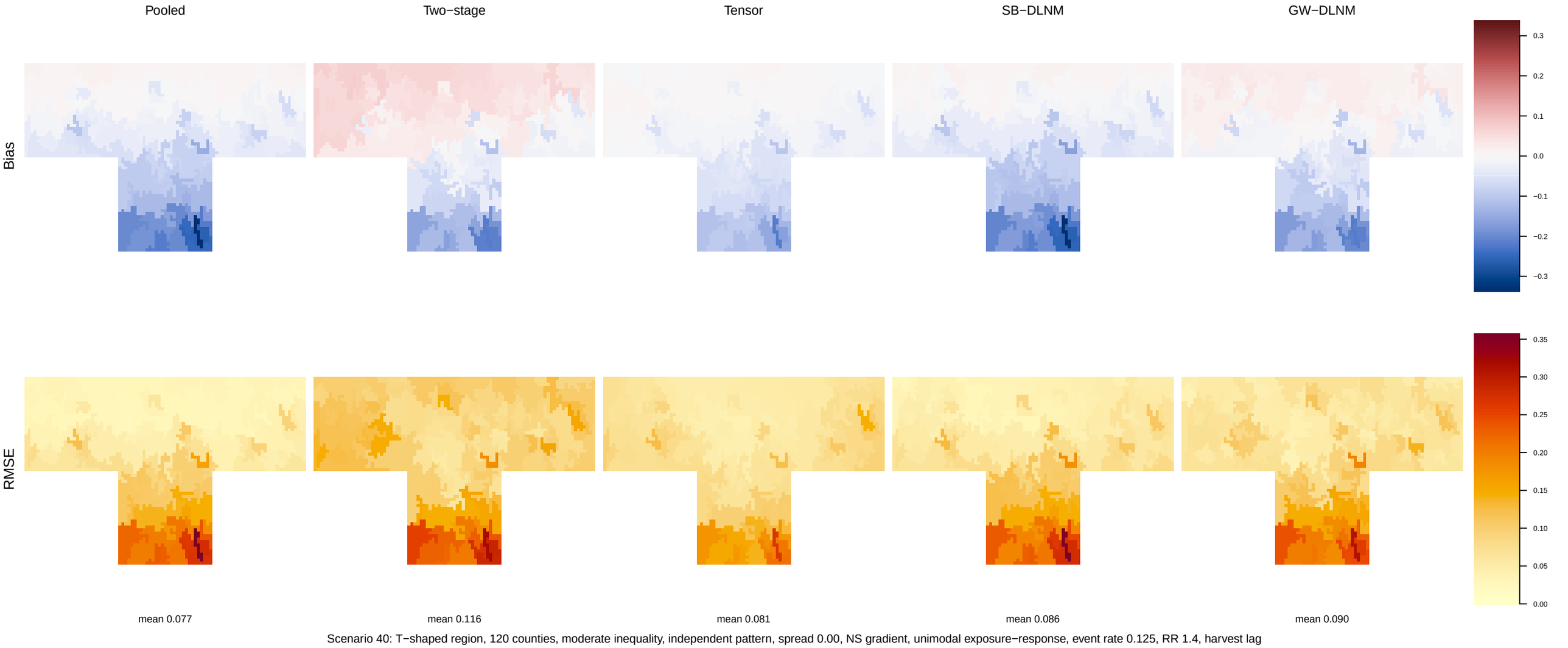
Scenario 968: T−shaped region, 120 counties, equal inequality, boundary pattern, spread 0.50, ridge gradient, threshold exposure−response, event rate 8, RR 1.2, harvest lag



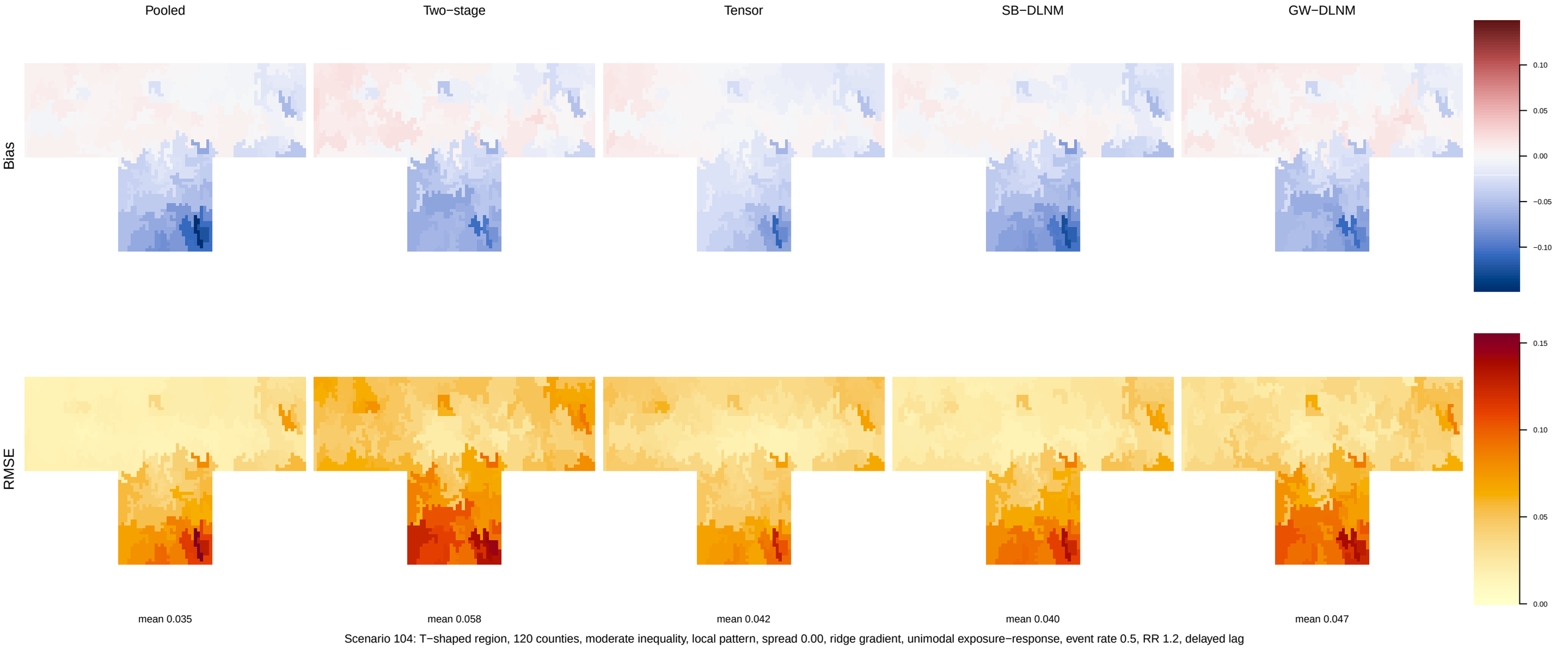
Scenario 776: T−shaped region, 120 counties, equal inequality, independent pattern, spread 0.50, valley gradient, threshold exposure−response, event rate 0.125, RR 1.6, short lag



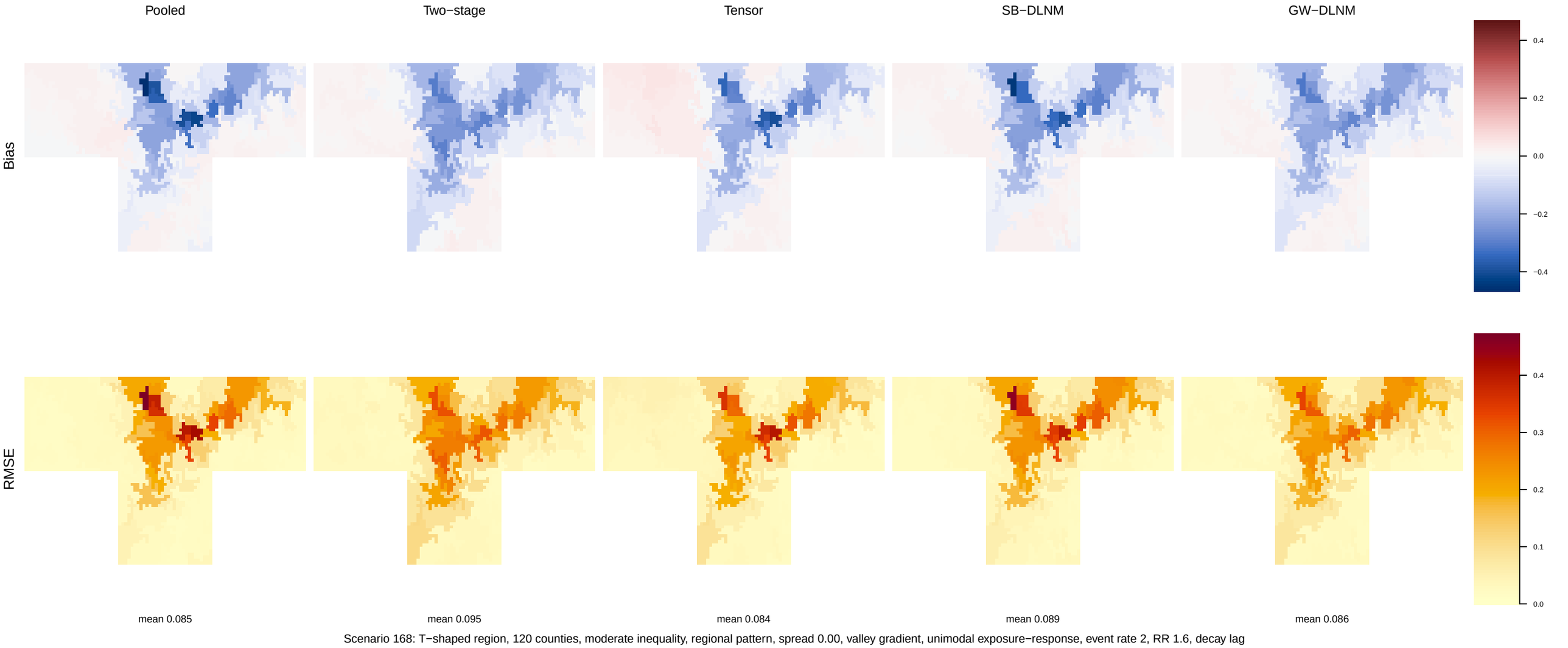
Scenario 232: T−shaped region, 120 counties, moderate inequality, boundary pattern, spread 0.00, edges gradient, unimodal exposure−response, event rate 8, RR 1.0, short lag



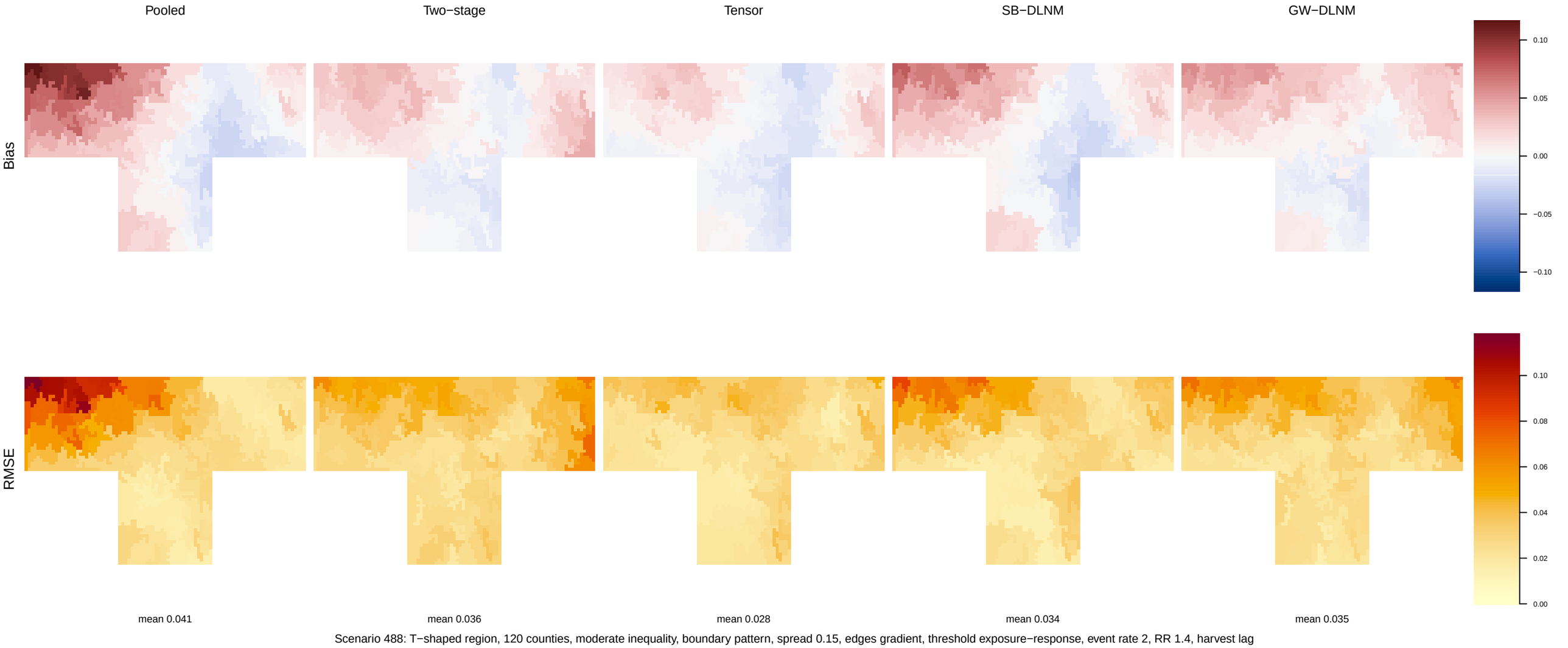
Scenario 40: T−shaped region, 120 counties, moderate inequality, independent pattern, spread 0.00, NS gradient, unimodal exposure−response, event rate 0.125, RR 1.4, harvest lag



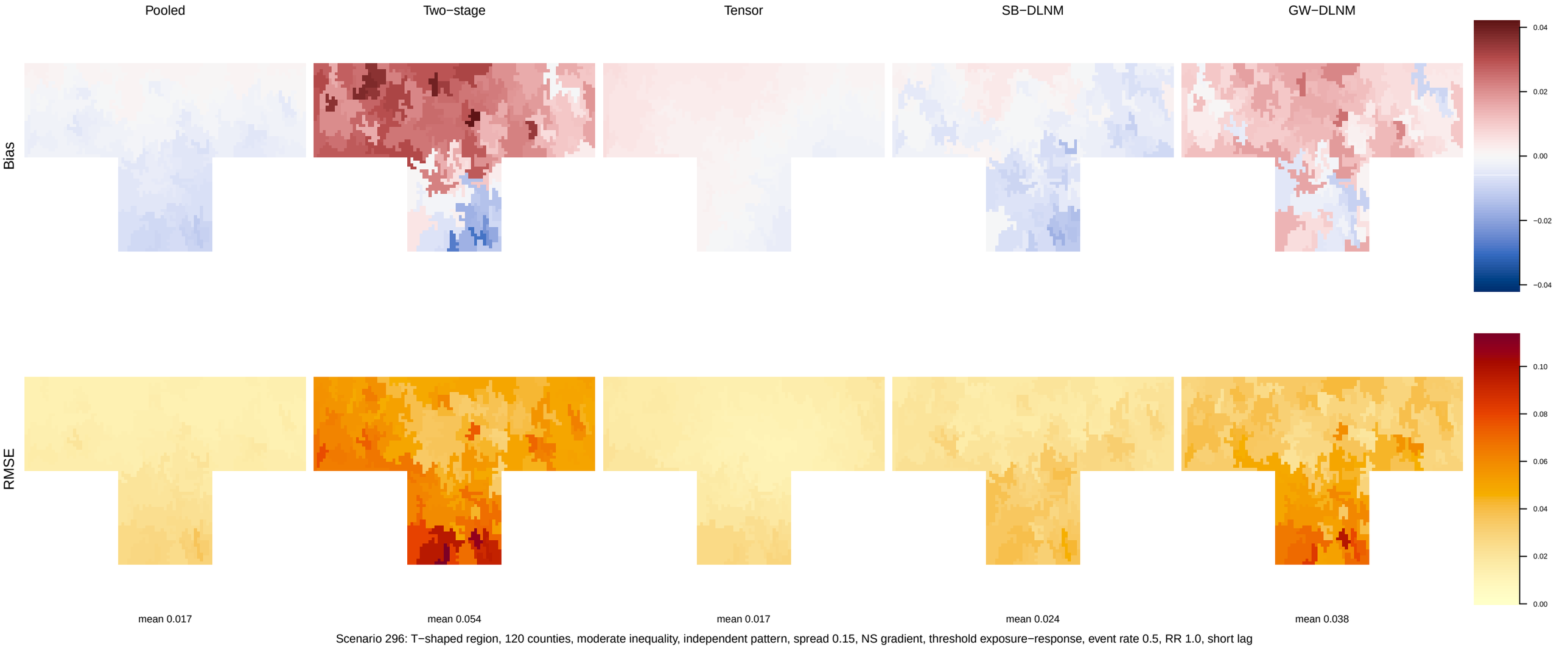
Scenario 104: T−shaped region, 120 counties, moderate inequality, local pattern, spread 0.00, ridge gradient, unimodal exposure−response, event rate 0.5, RR 1.2, delayed lag



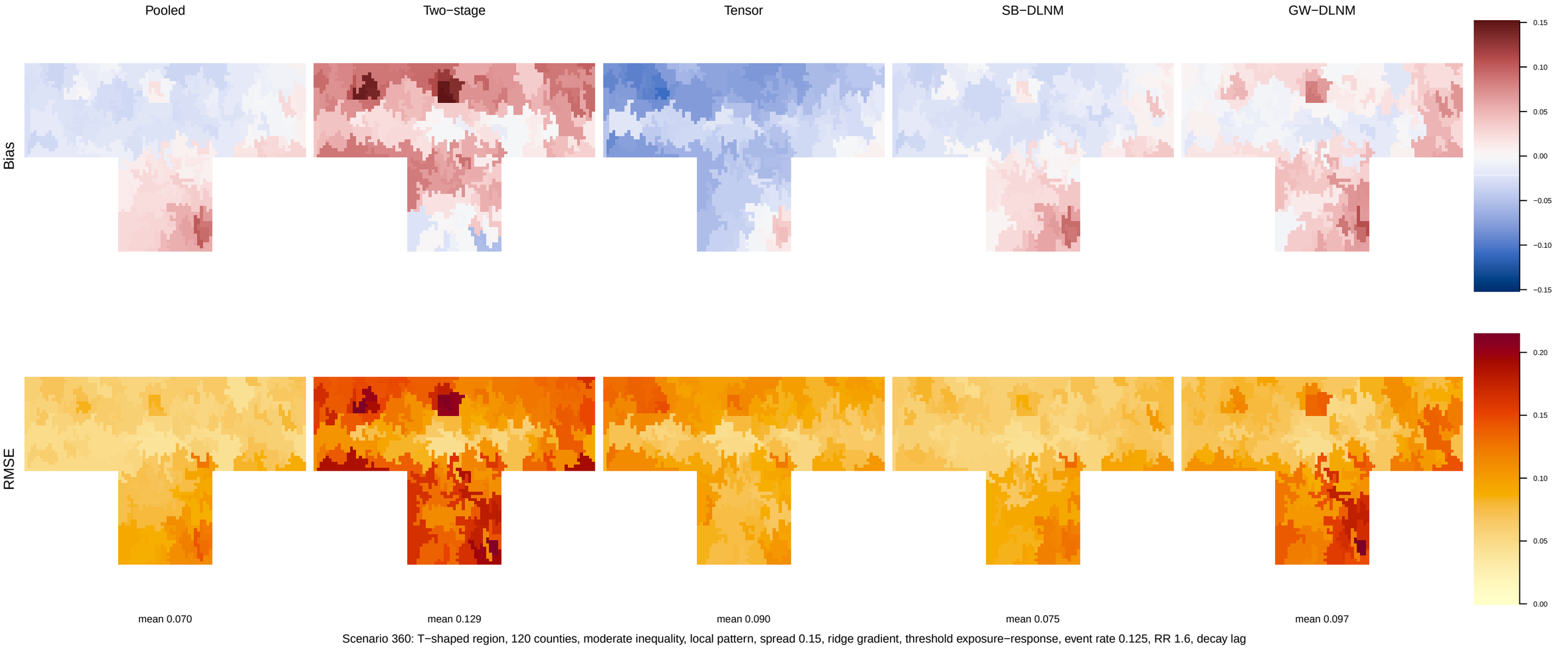
Scenario 168: T−shaped region, 120 counties, moderate inequality, regional pattern, spread 0.00, valley gradient, unimodal exposure−response, event rate 2, RR 1.6, decay lag



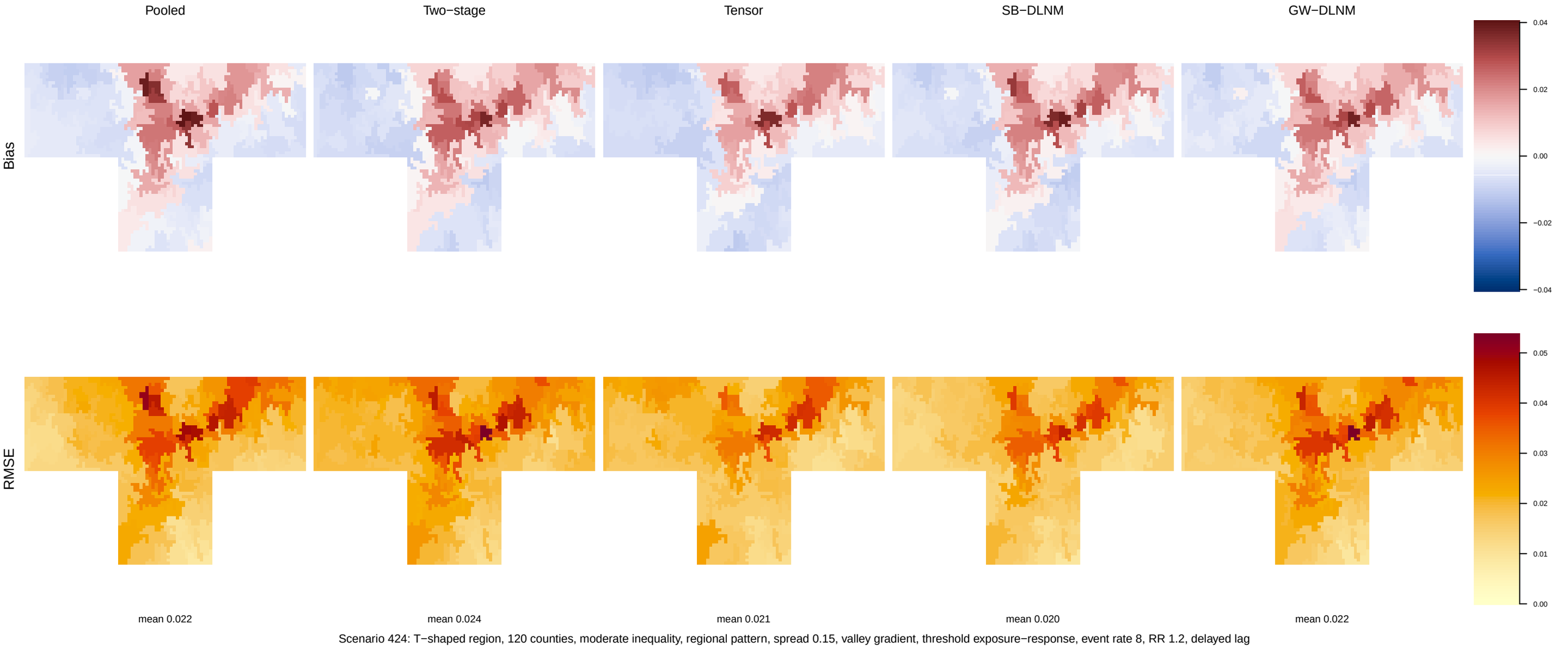
Scenario 488: T−shaped region, 120 counties, moderate inequality, boundary pattern, spread 0.15, edges gradient, threshold exposure−response, event rate 2, RR 1.4, harvest lag



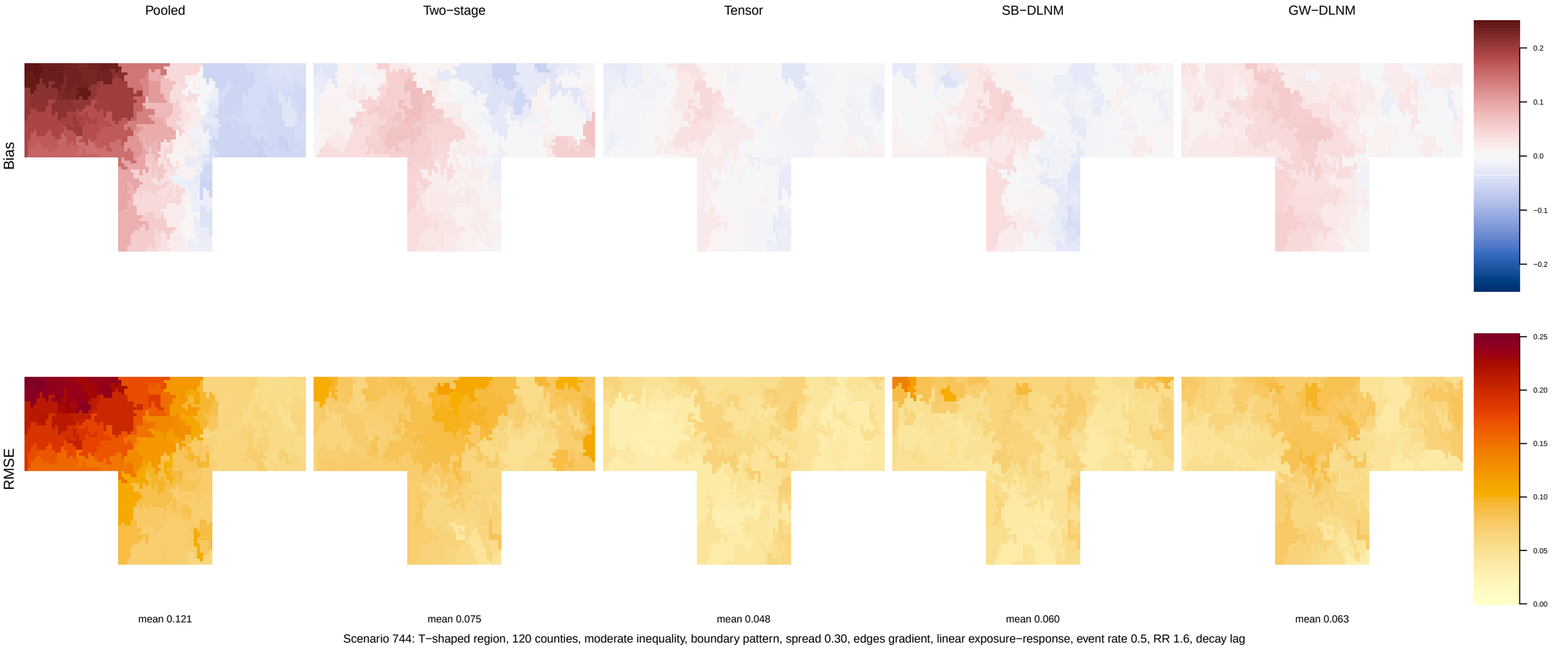
Scenario 296: T−shaped region, 120 counties, moderate inequality, independent pattern, spread 0.15, NS gradient, threshold exposure−response, event rate 0.5, RR 1.0, short lag

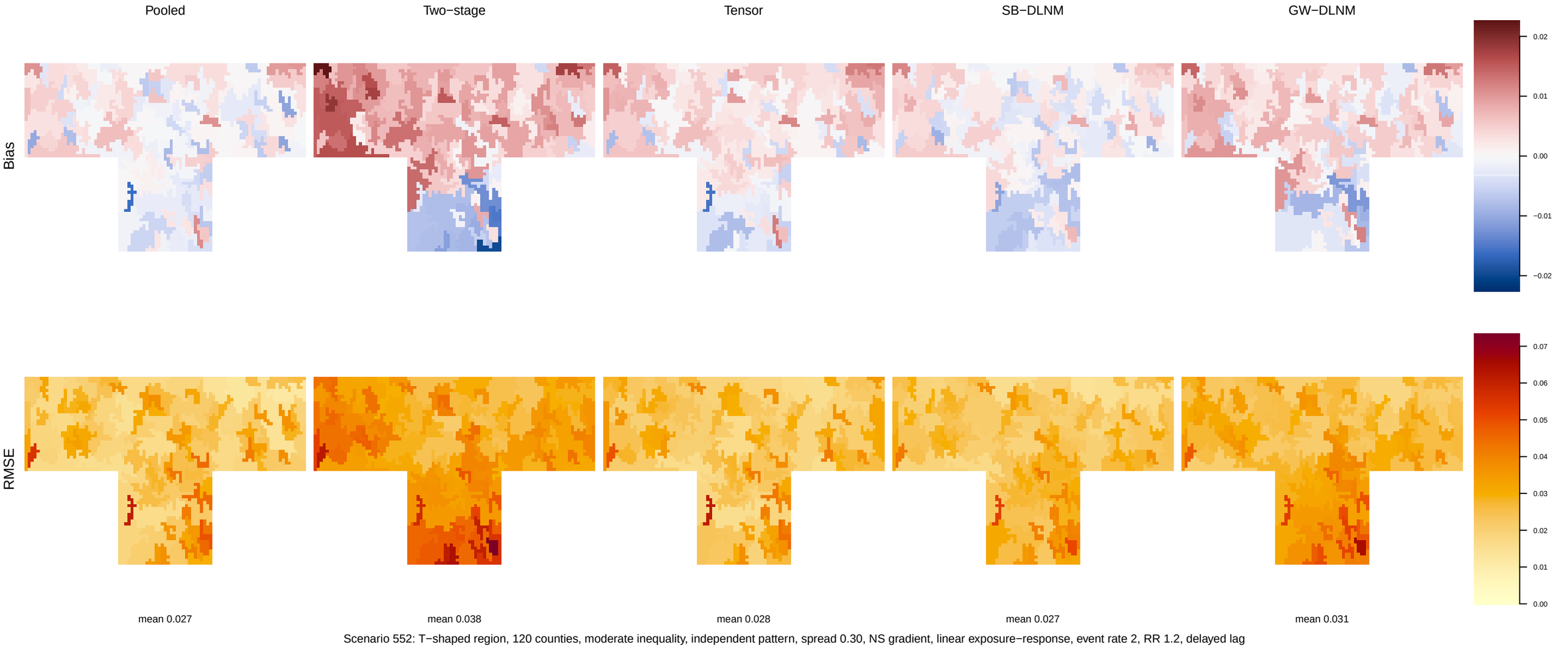


Scenario 360: T−shaped region, 120 counties, moderate inequality, local pattern, spread 0.15, ridge gradient, threshold exposure−response, event rate 0.125, RR 1.6, decay lag

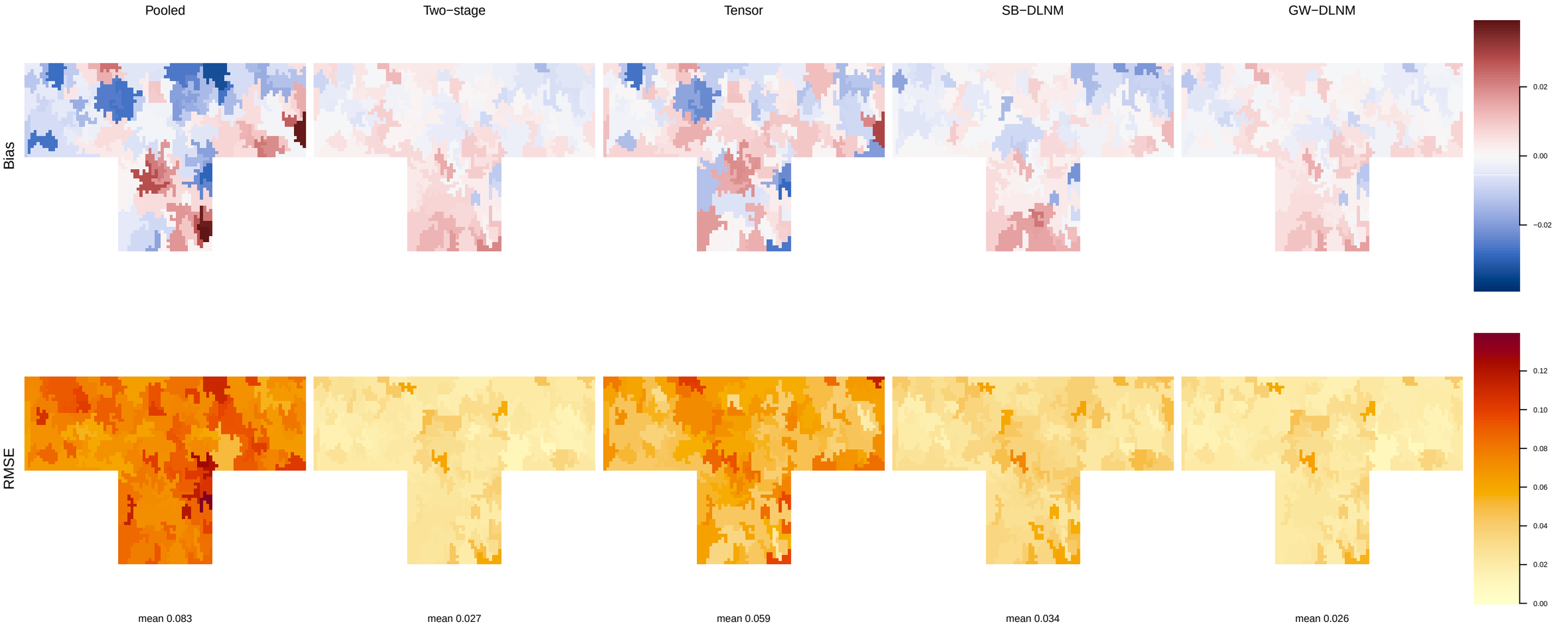


Scenario 424: T−shaped region, 120 counties, moderate inequality, regional pattern, spread 0.15, valley gradient, threshold exposure−response, event rate 8, RR 1.2, delayed lag

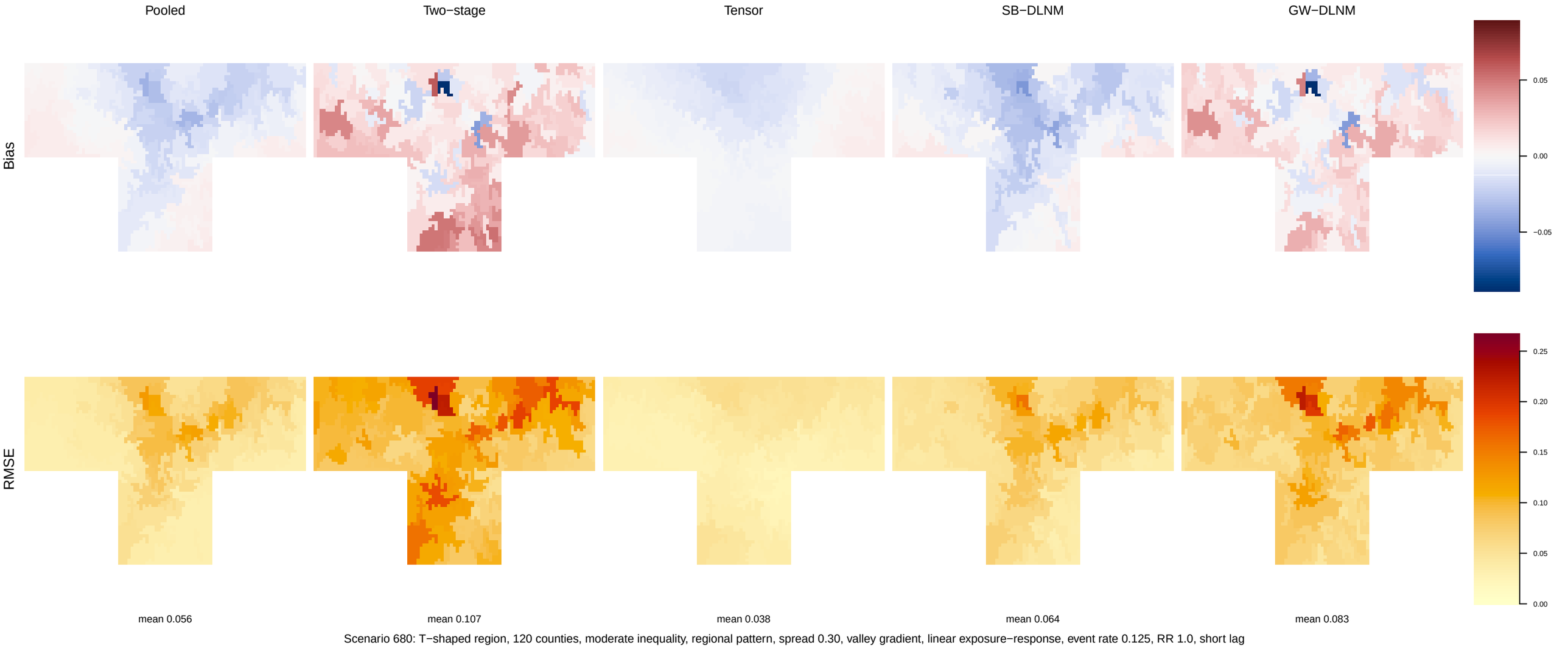

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.2
0.1
0.0
−0.1
−0.2
0.25
0.20
0.15
0.10
0.05
0.00
mean 0.121
mean 0.075
mean 0.048
mean 0.060
mean 0.063
Scenario 744: T−shaped region, 120 counties, moderate inequality, boundary pattern, spread 0.30, edges gradient, linear exposure−response, event rate 0.5, RR 1.6, decay lag



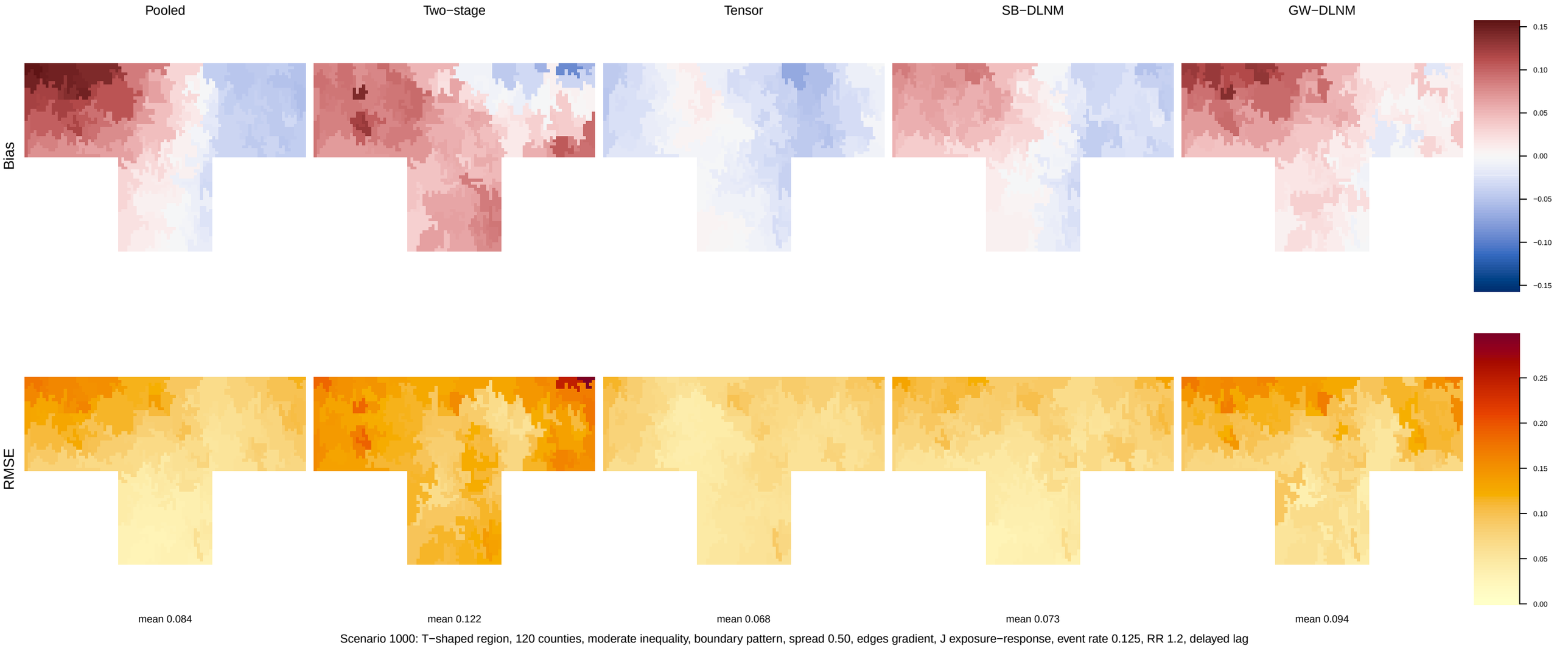
Scenario 552: T−shaped region, 120 counties, moderate inequality, independent pattern, spread 0.30, NS gradient, linear exposure−response, event rate 2, RR 1.2, delayed lag

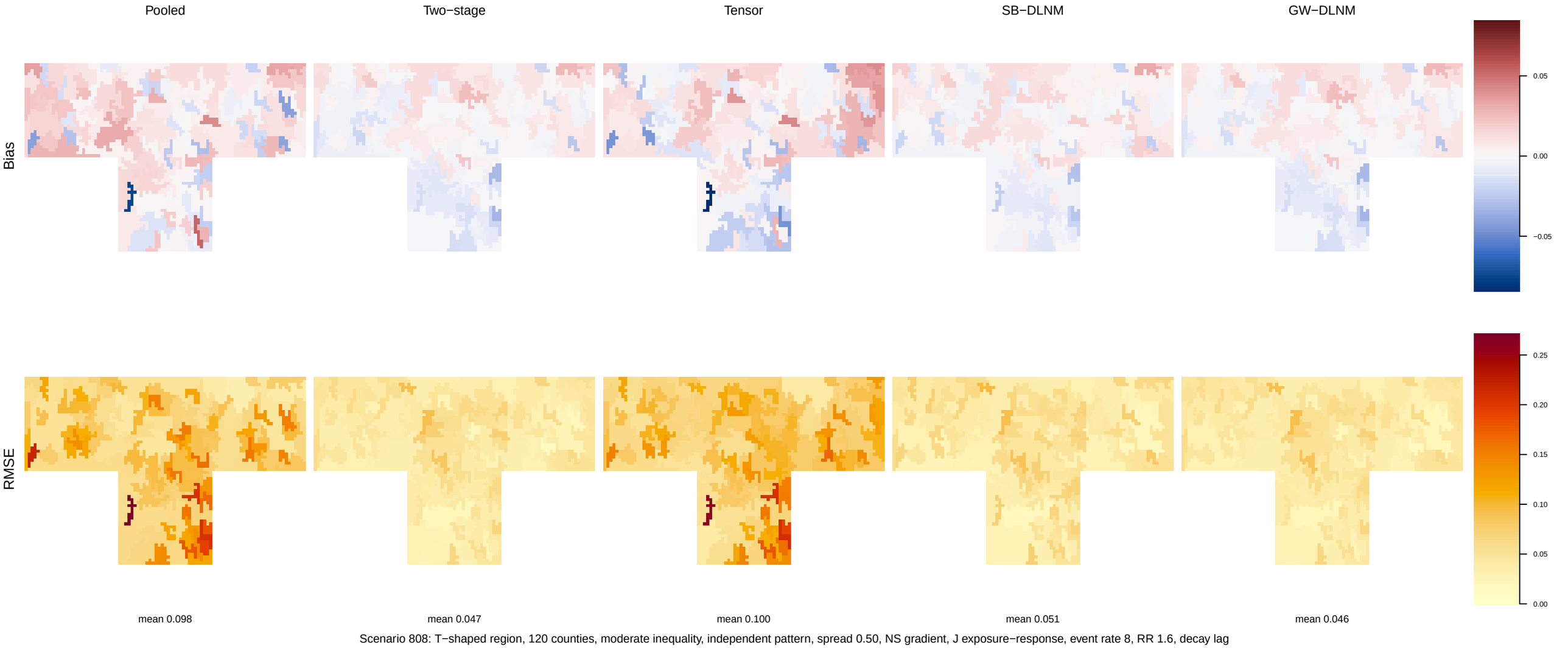


Scenario 616: T−shaped region, 120 counties, moderate inequality, local pattern, spread 0.30, ridge gradient, linear exposure−response, event rate 8, RR 1.4, harvest lag

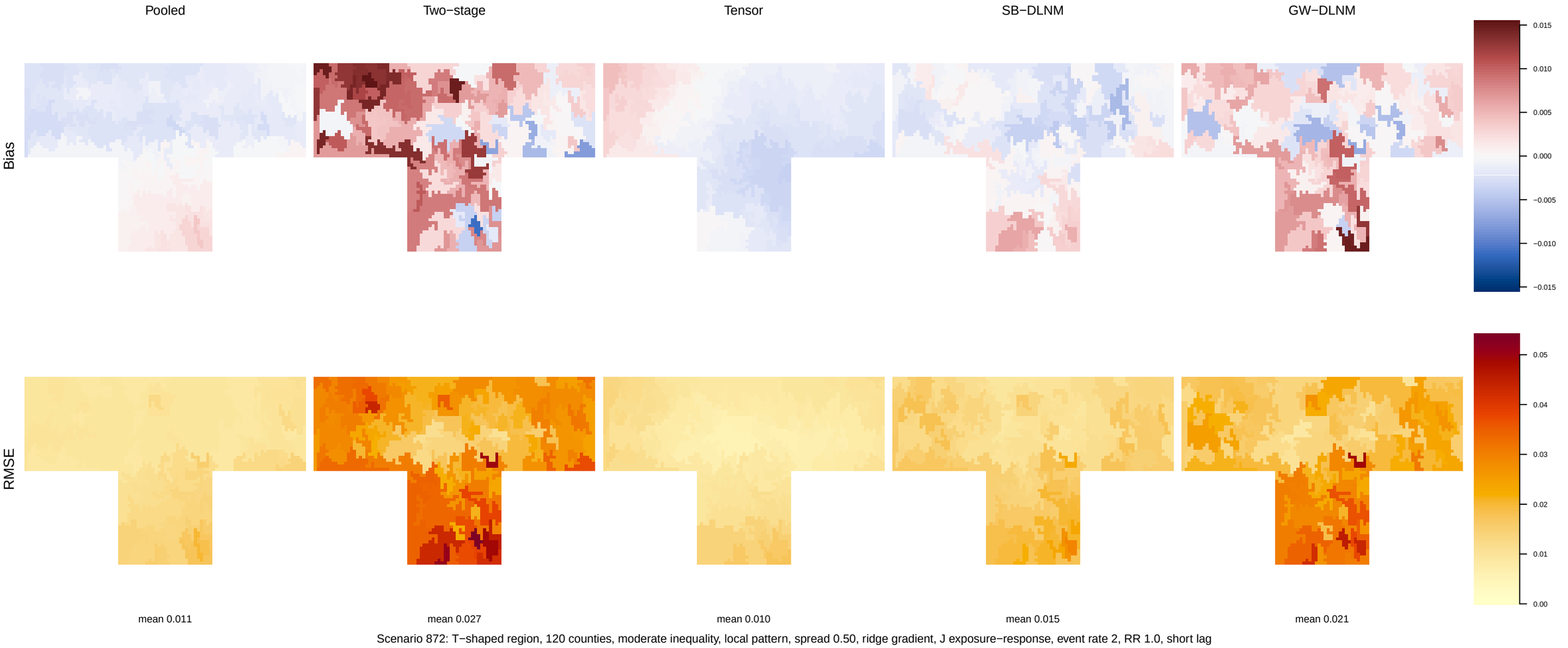


Scenario 680: T−shaped region, 120 counties, moderate inequality, regional pattern, spread 0.30, valley gradient, linear exposure−response, event rate 0.125, RR 1.0, short lag

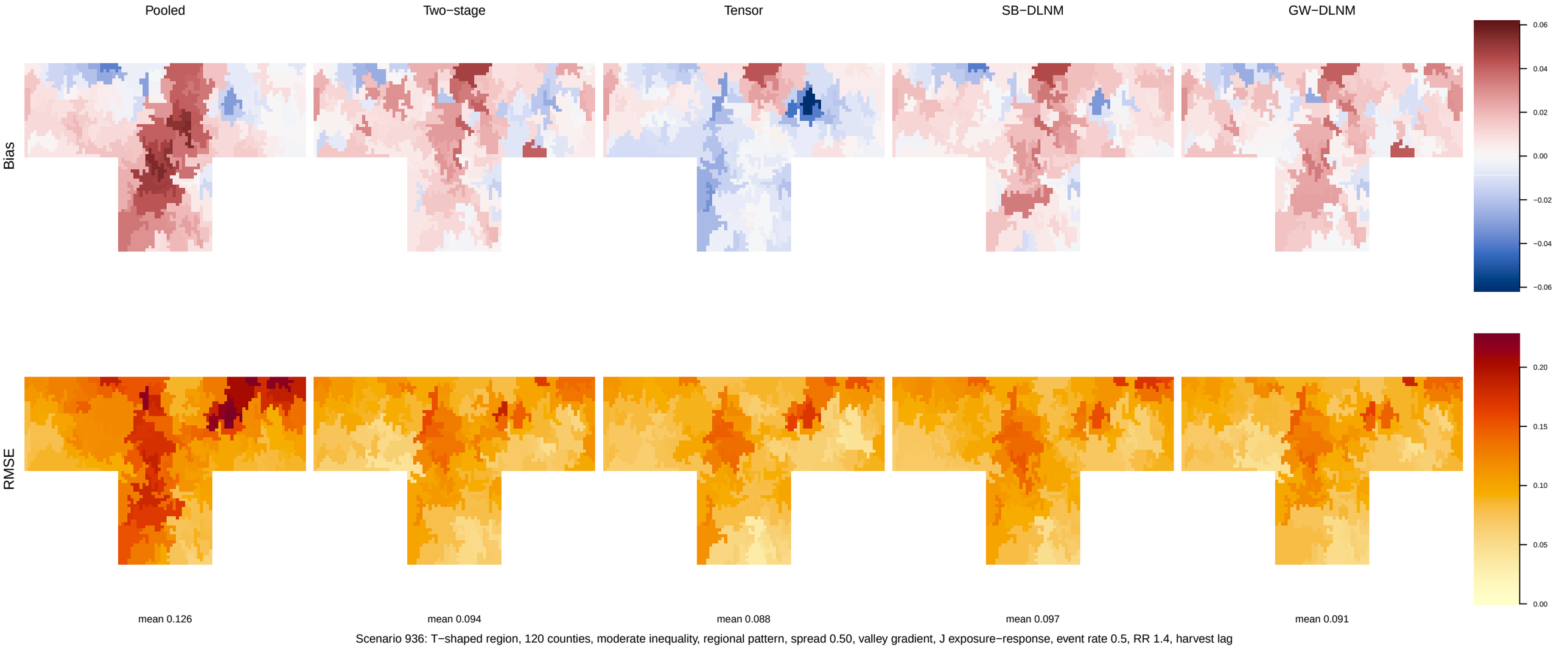

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.25
0.20
0.15
0.10
0.05
0.00
mean 0.084
mean 0.122
mean 0.068
mean 0.073
mean 0.094
Scenario 1000: T−shaped region, 120 counties, moderate inequality, boundary pattern, spread 0.50, edges gradient, J exposure−response, event rate 0.125, RR 1.2, delayed lag



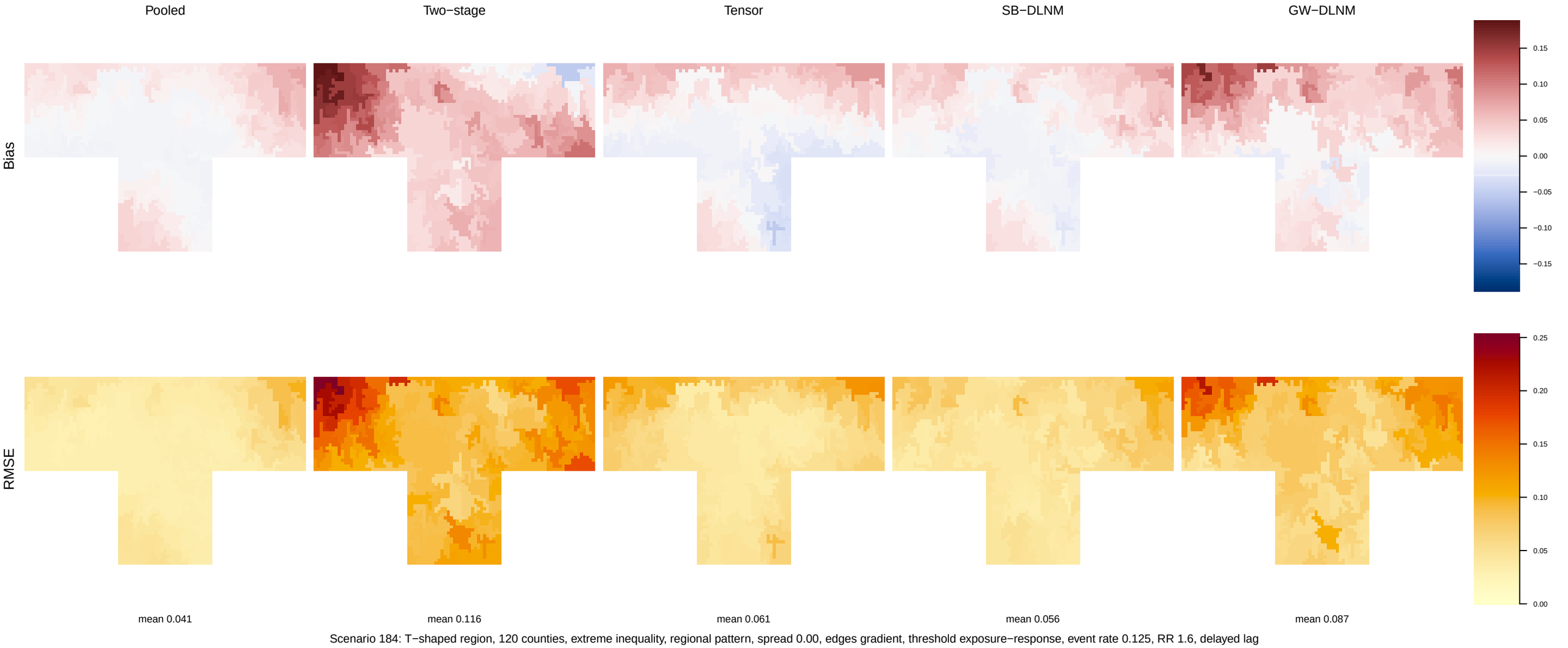
Scenario 808: T−shaped region, 120 counties, moderate inequality, independent pattern, spread 0.50, NS gradient, J exposure−response, event rate 8, RR 1.6, decay lag



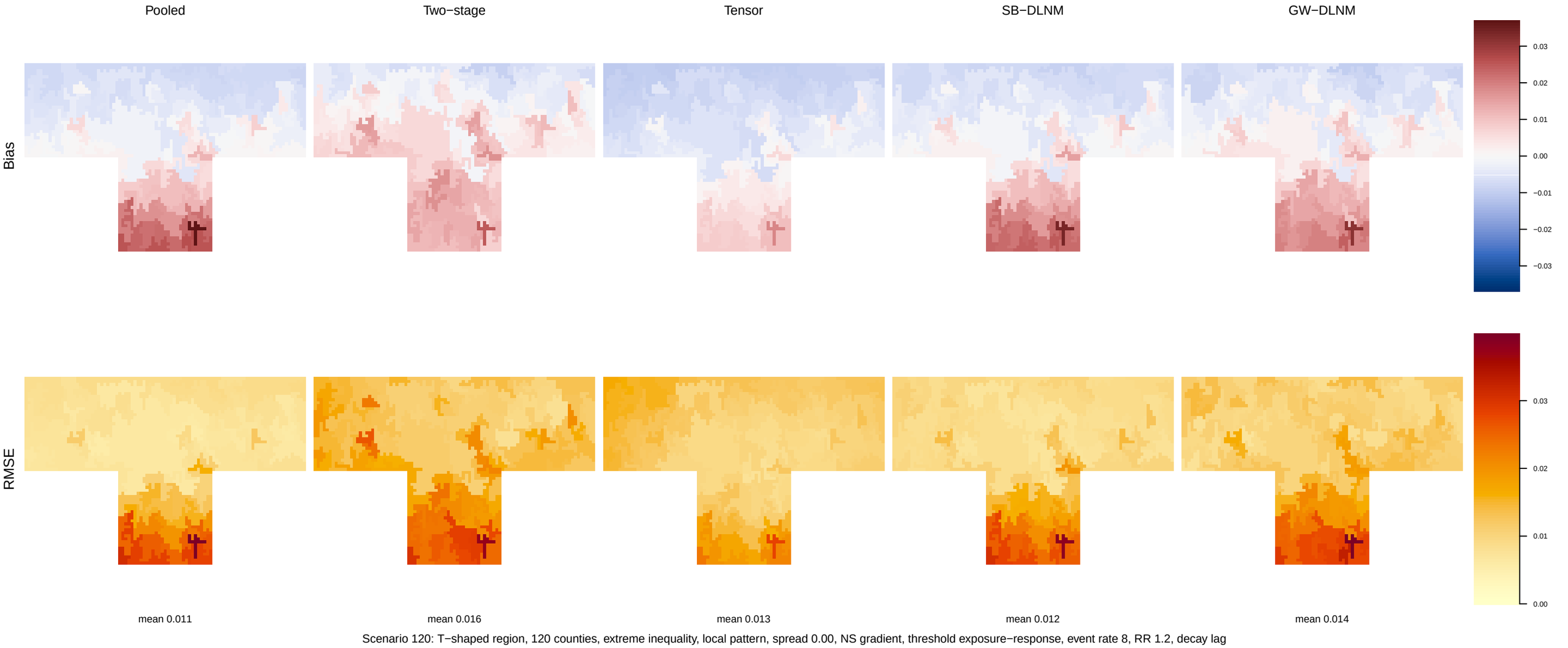
Scenario 872: T−shaped region, 120 counties, moderate inequality, local pattern, spread 0.50, ridge gradient, J exposure−response, event rate 2, RR 1.0, short lag



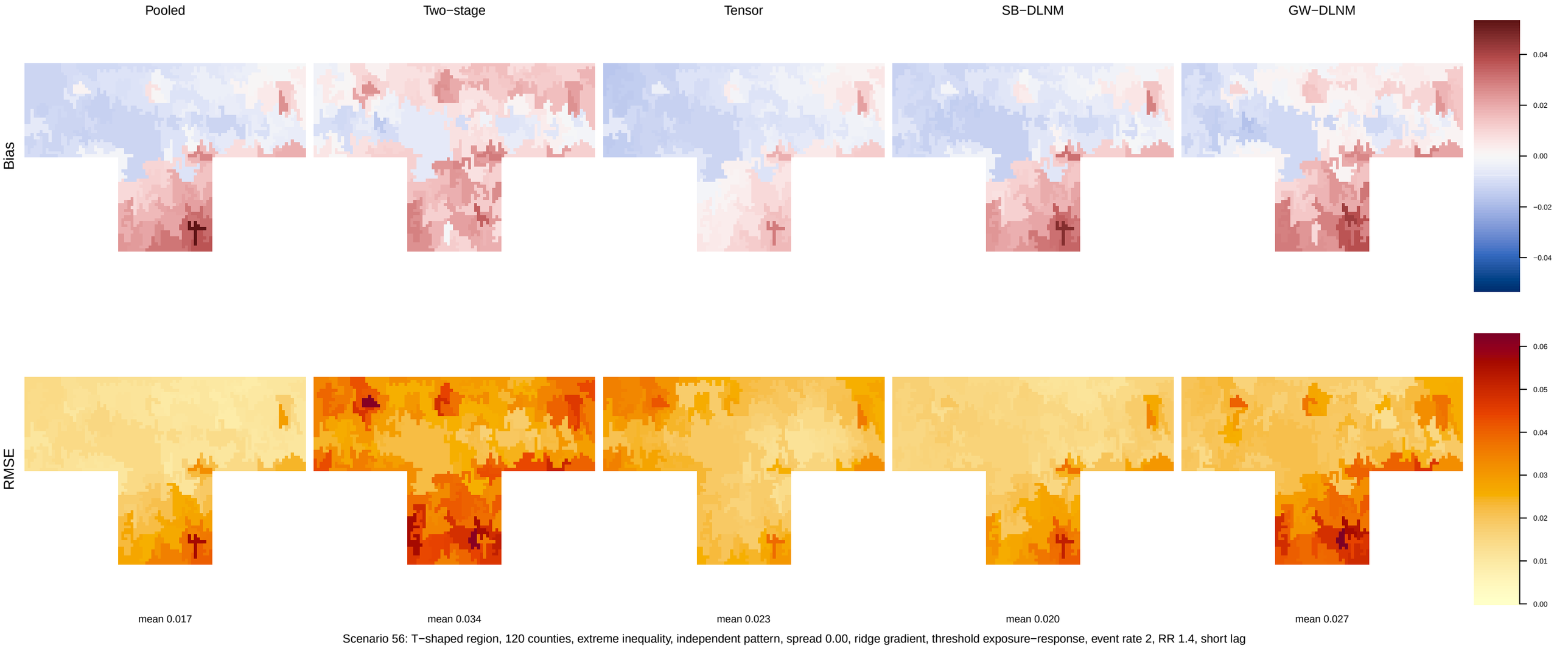
Scenario 936: T−shaped region, 120 counties, moderate inequality, regional pattern, spread 0.50, valley gradient, J exposure−response, event rate 0.5, RR 1.4, harvest lag



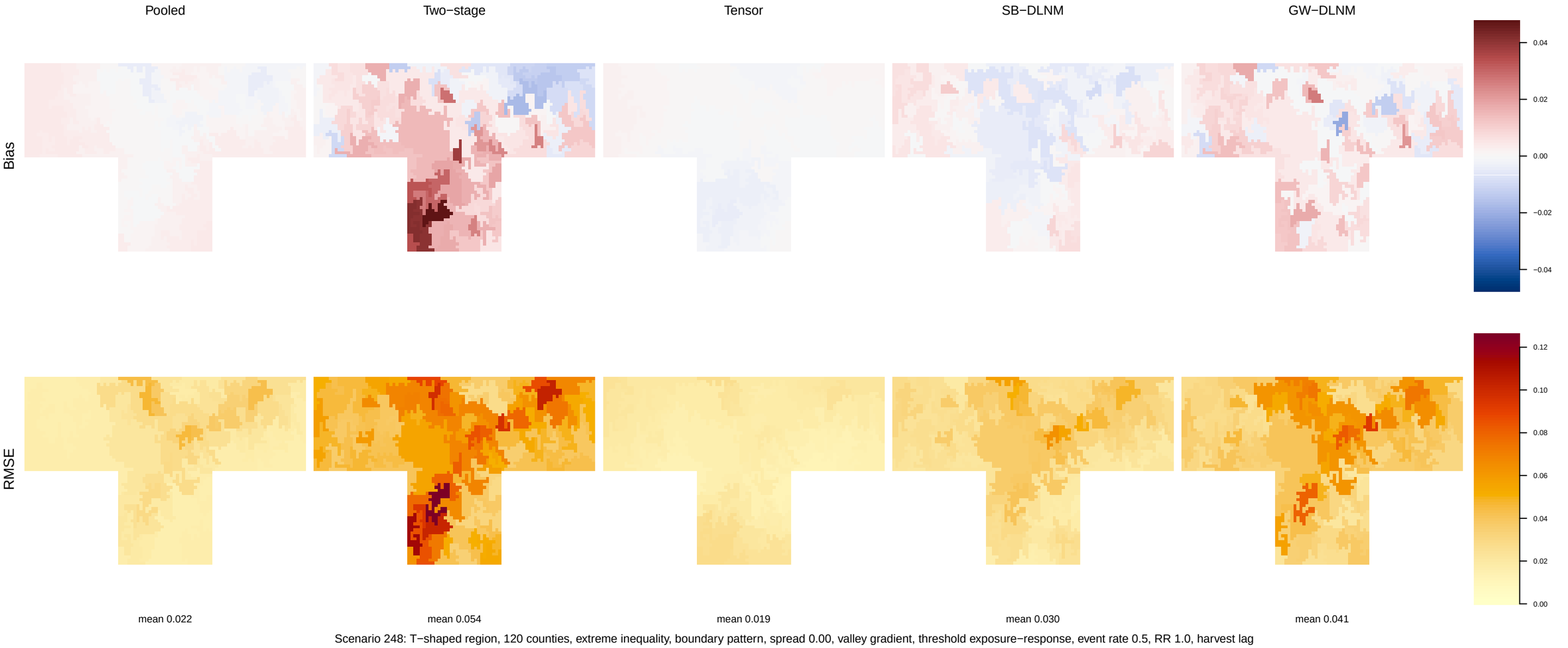
Scenario 184: T−shaped region, 120 counties, extreme inequality, regional pattern, spread 0.00, edges gradient, threshold exposure−response, event rate 0.125, RR 1.6, delayed lag



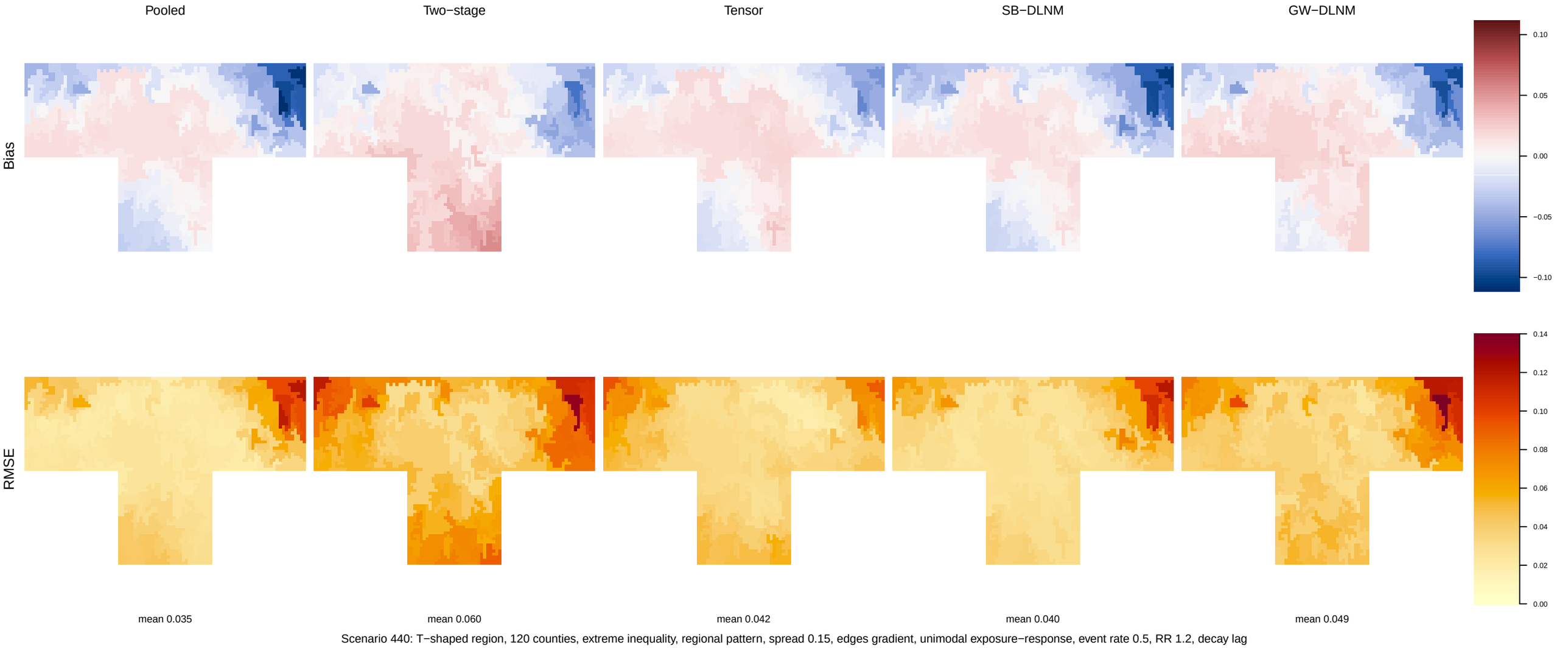
Scenario 120: T−shaped region, 120 counties, extreme inequality, local pattern, spread 0.00, NS gradient, threshold exposure−response, event rate 8, RR 1.2, decay lag



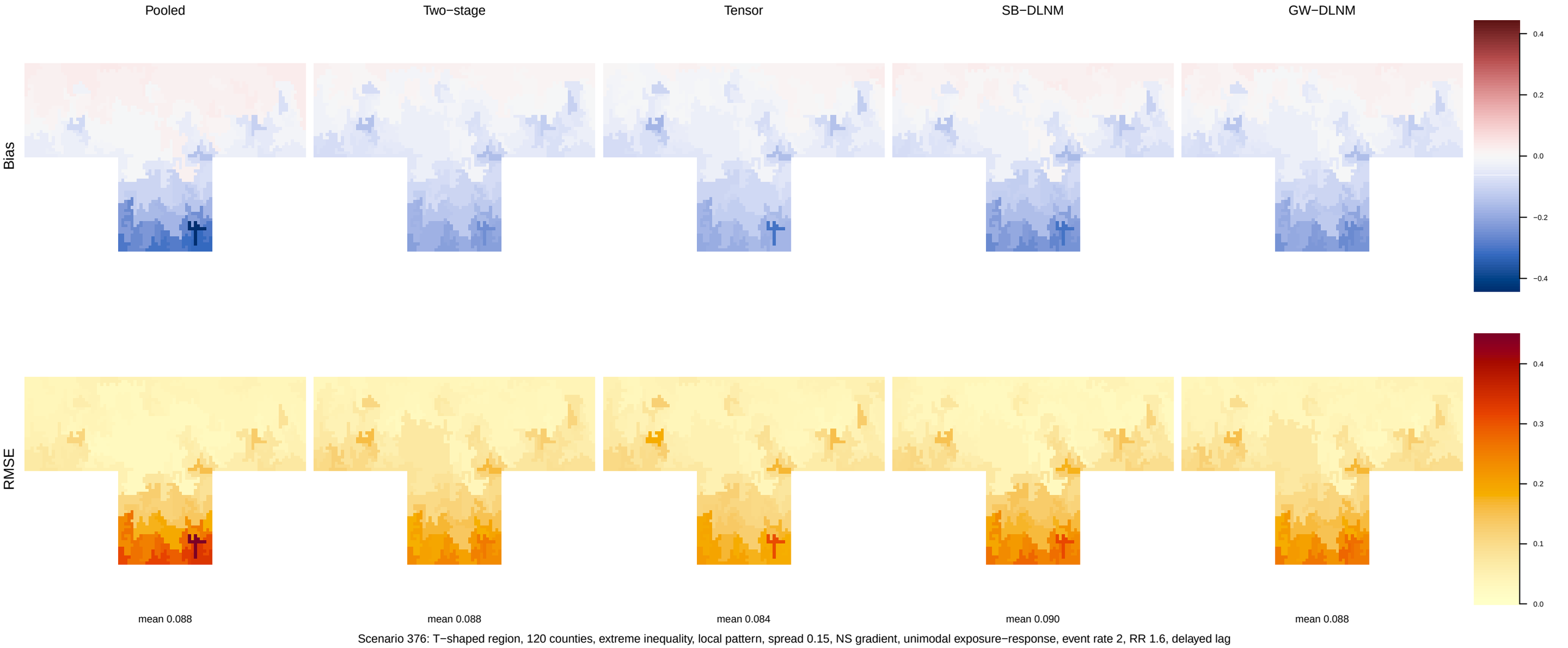
Scenario 56: T−shaped region, 120 counties, extreme inequality, independent pattern, spread 0.00, ridge gradient, threshold exposure−response, event rate 2, RR 1.4, short lag



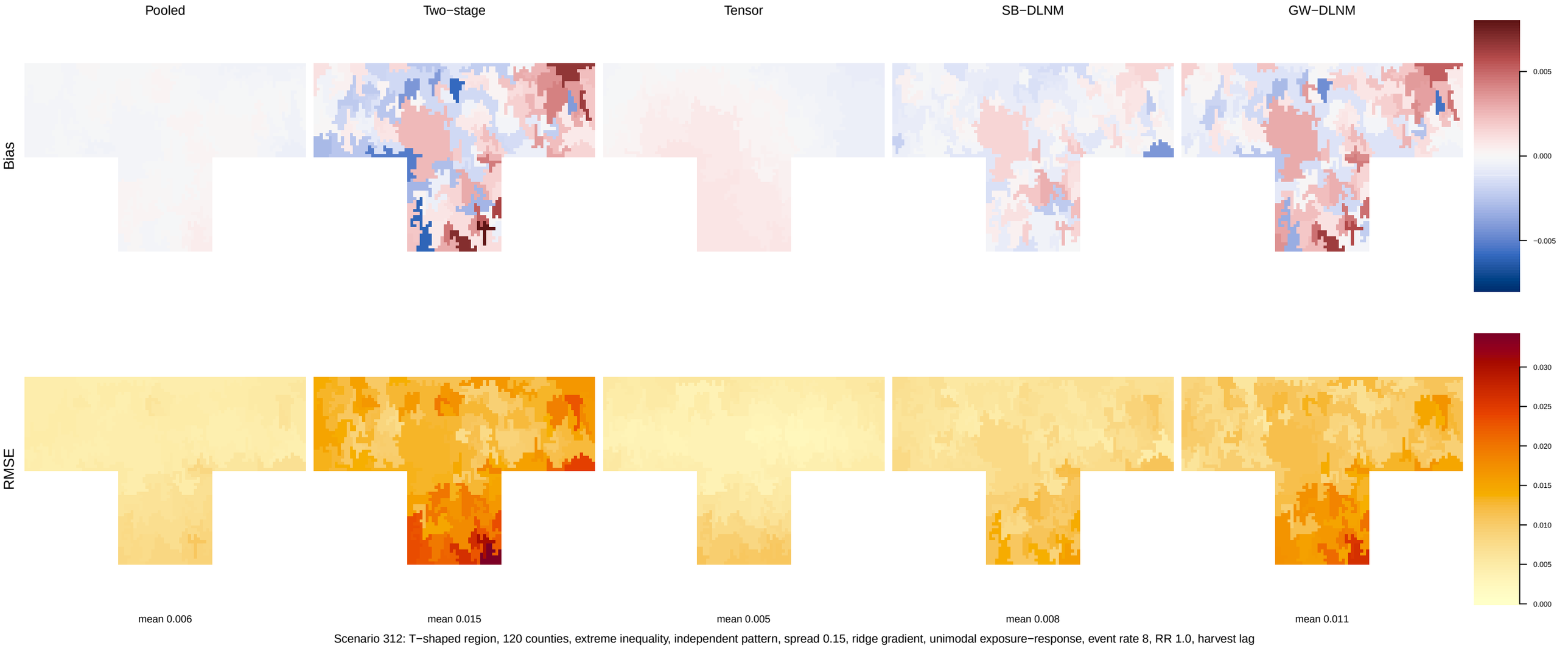
Scenario 248: T−shaped region, 120 counties, extreme inequality, boundary pattern, spread 0.00, valley gradient, threshold exposure−response, event rate 0.5, RR 1.0, harvest lag



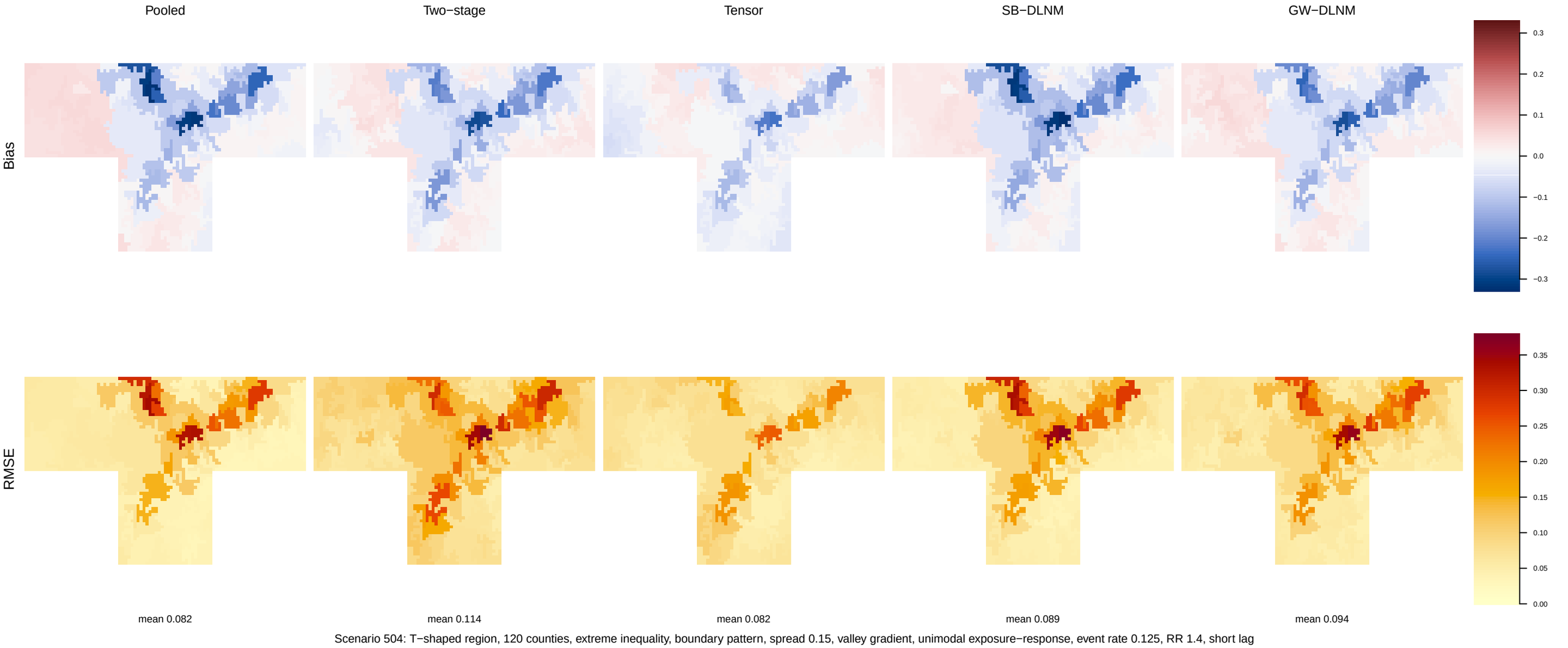
Scenario 440: T−shaped region, 120 counties, extreme inequality, regional pattern, spread 0.15, edges gradient, unimodal exposure−response, event rate 0.5, RR 1.2, decay lag



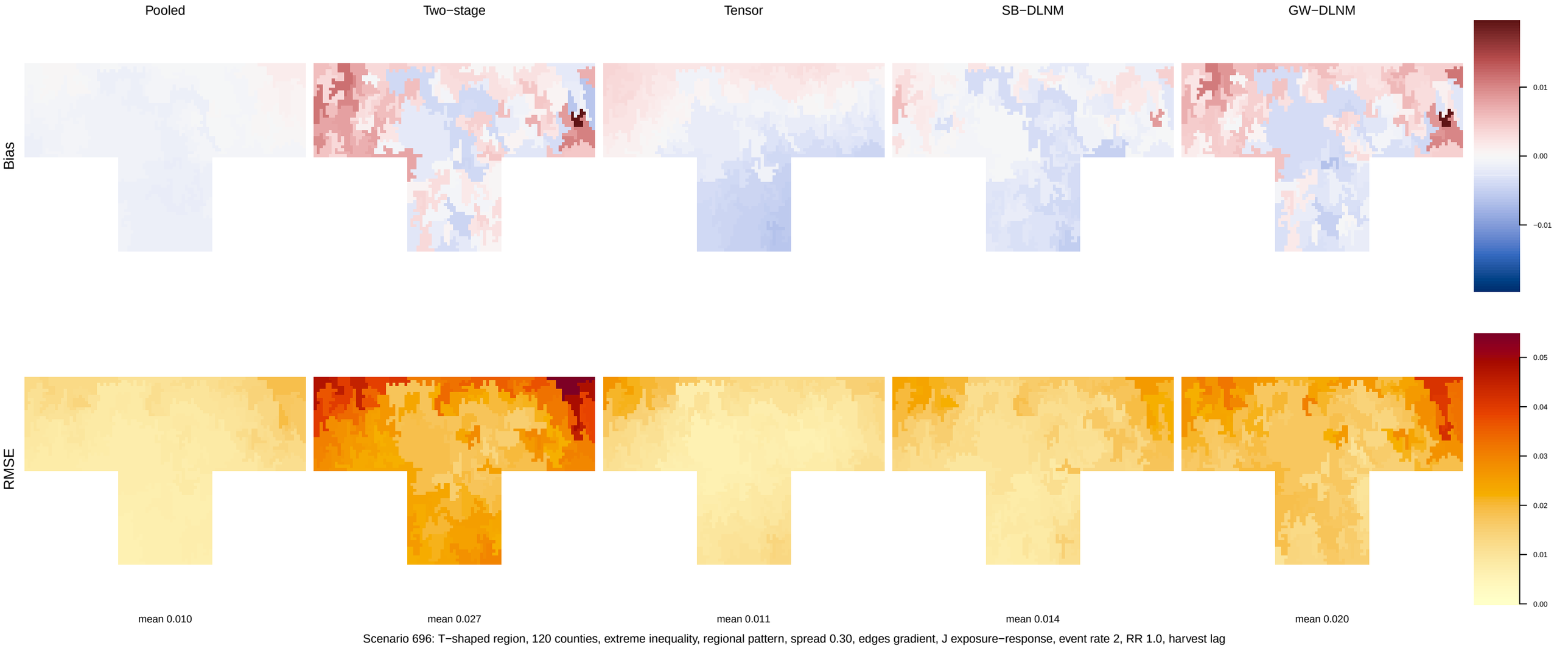
Scenario 376: T−shaped region, 120 counties, extreme inequality, local pattern, spread 0.15, NS gradient, unimodal exposure−response, event rate 2, RR 1.6, delayed lag



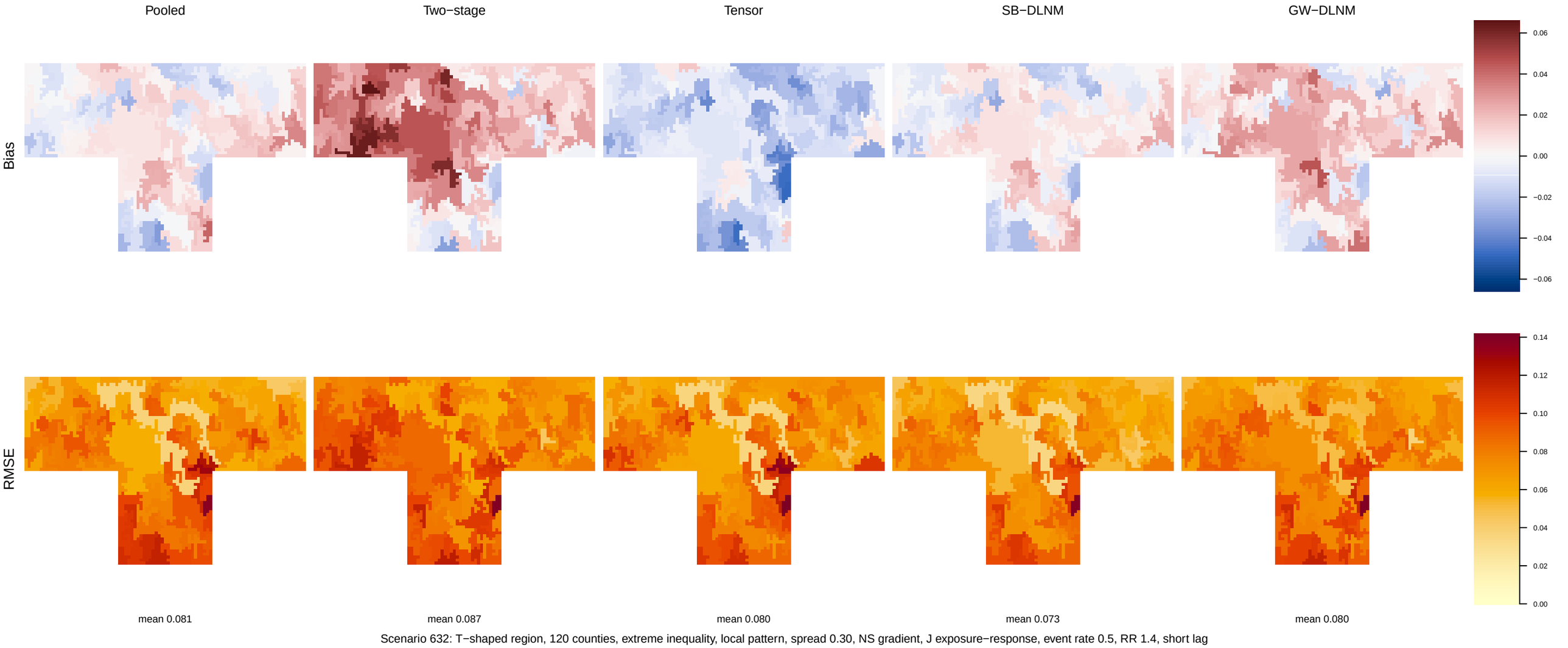
Scenario 312: T−shaped region, 120 counties, extreme inequality, independent pattern, spread 0.15, ridge gradient, unimodal exposure−response, event rate 8, RR 1.0, harvest lag



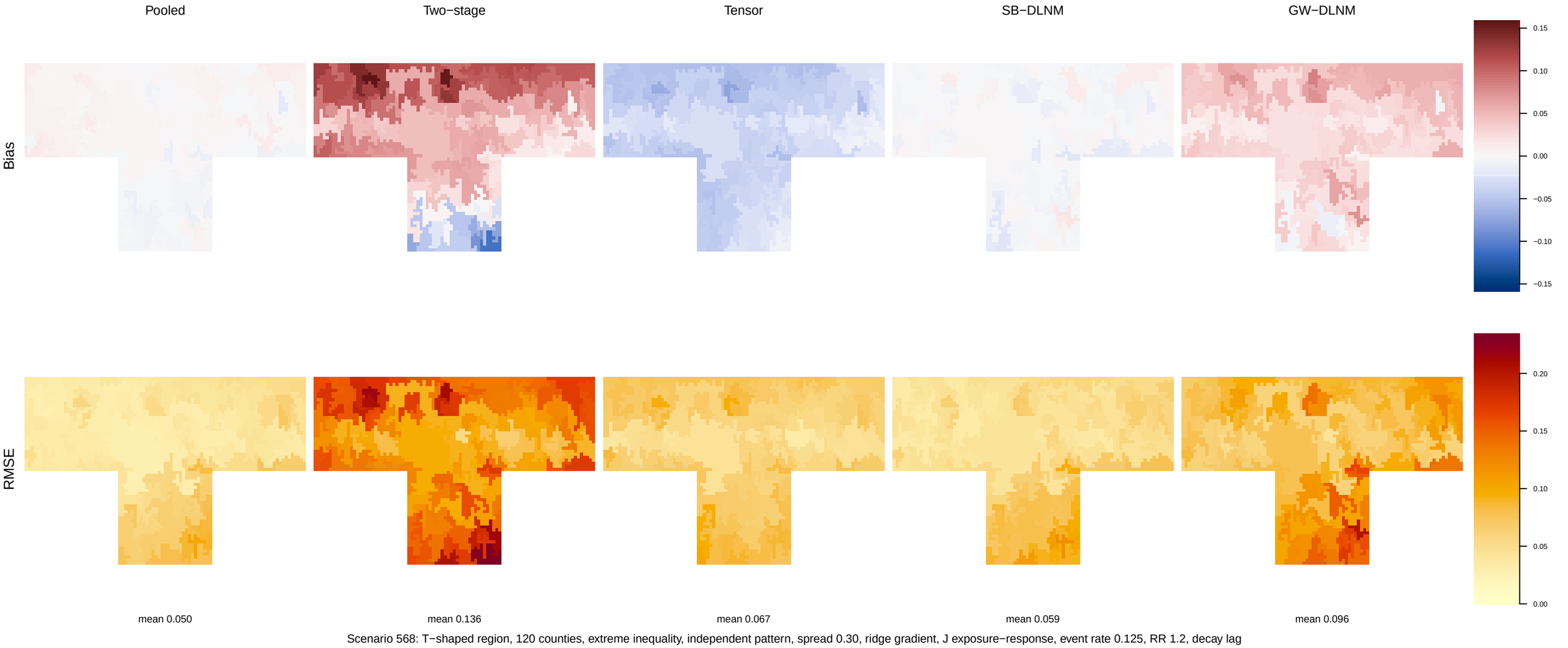
Scenario 504: T−shaped region, 120 counties, extreme inequality, boundary pattern, spread 0.15, valley gradient, unimodal exposure−response, event rate 0.125, RR 1.4, short lag



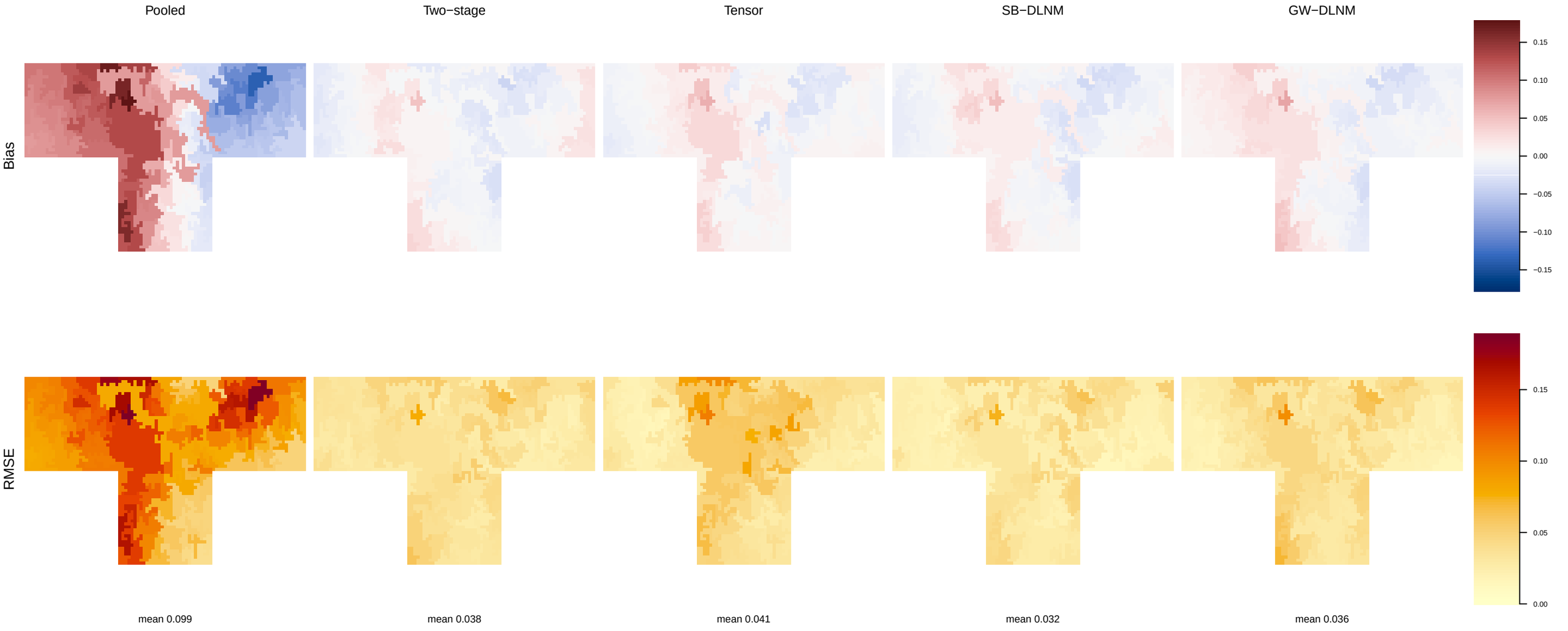
Scenario 696: T−shaped region, 120 counties, extreme inequality, regional pattern, spread 0.30, edges gradient, J exposure−response, event rate 2, RR 1.0, harvest lag



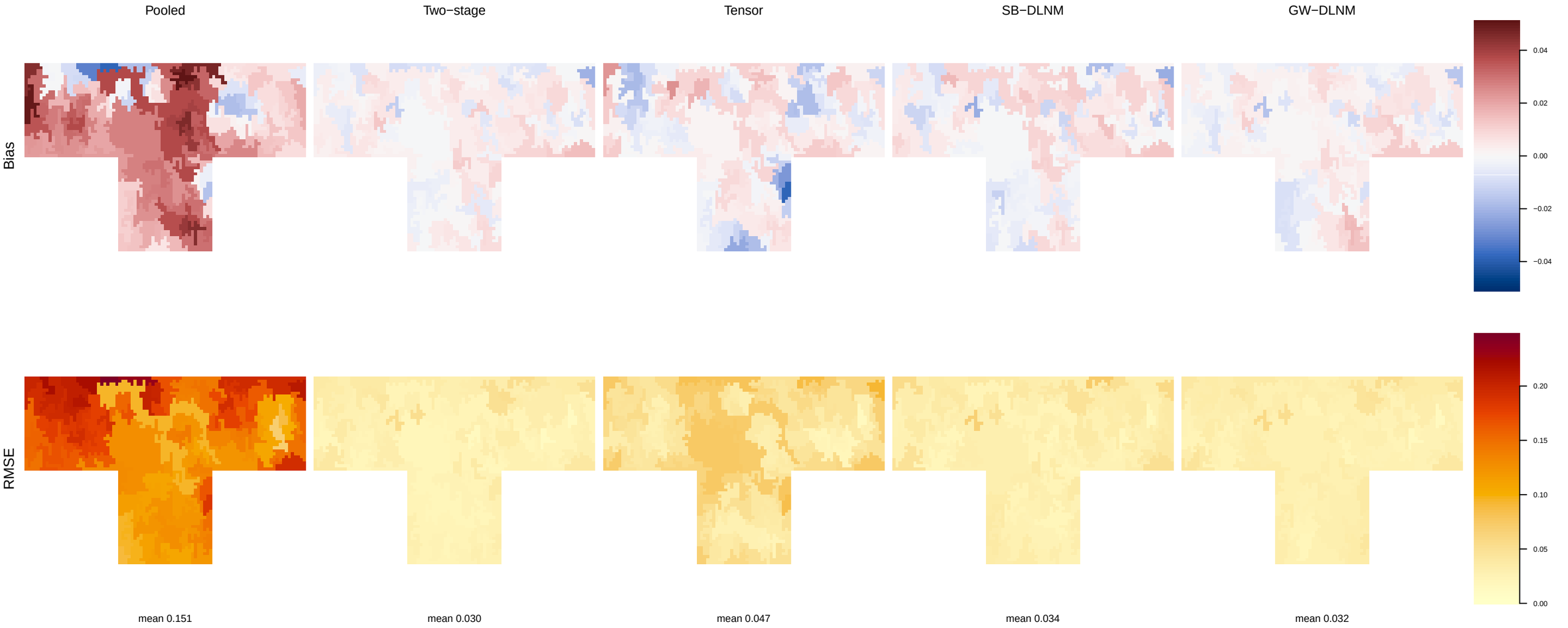
Scenario 632: T−shaped region, 120 counties, extreme inequality, local pattern, spread 0.30, NS gradient, J exposure−response, event rate 0.5, RR 1.4, short lag



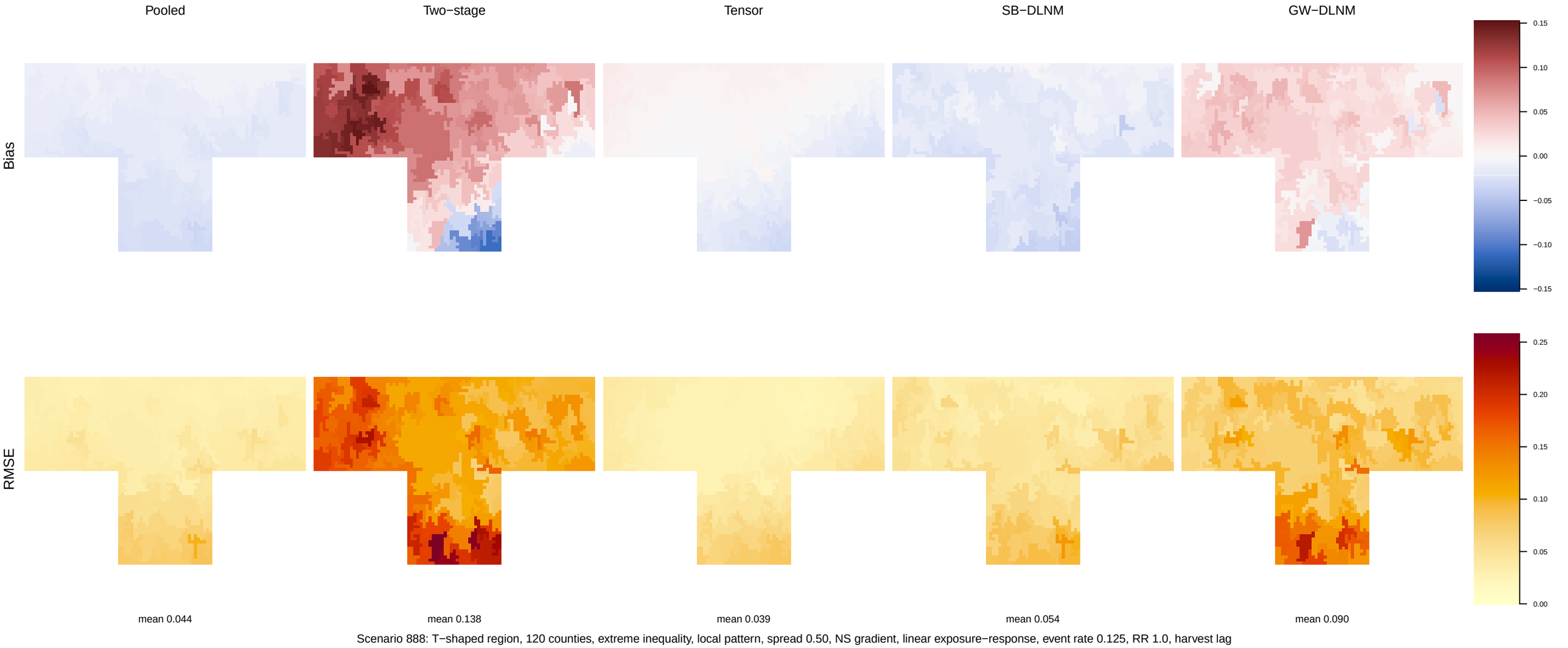
Scenario 568: T−shaped region, 120 counties, extreme inequality, independent pattern, spread 0.30, ridge gradient, J exposure−response, event rate 0.125, RR 1.2, decay lag



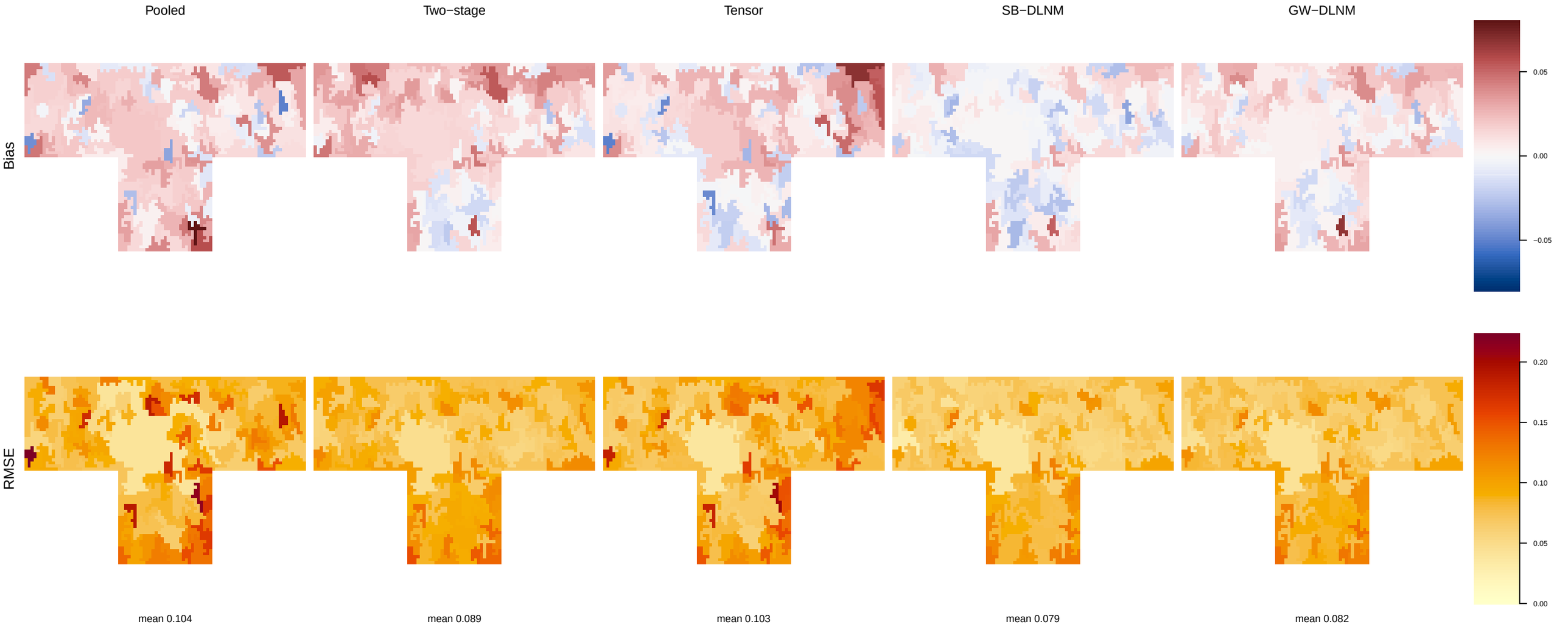
Scenario 760: T−shaped region, 120 counties, extreme inequality, boundary pattern, spread 0.30, valley gradient, J exposure−response, event rate 8, RR 1.6, delayed lag



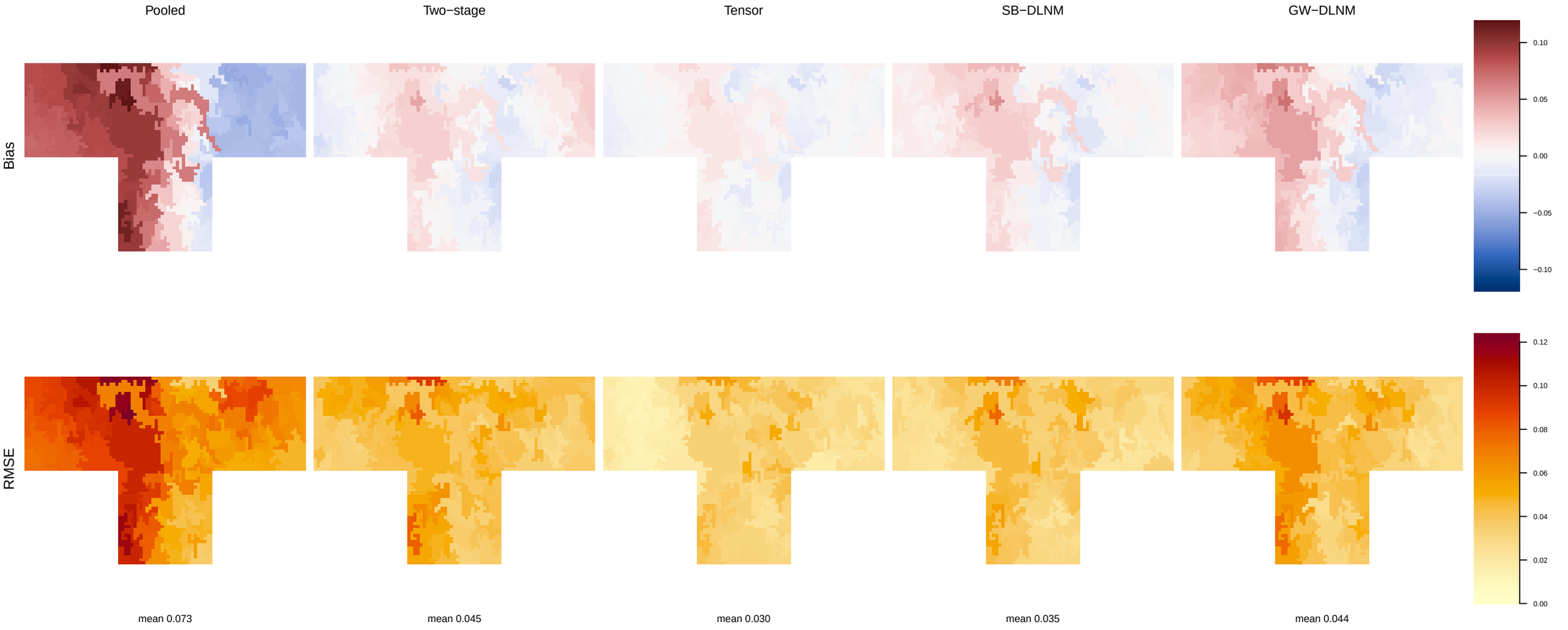
Scenario 952: T−shaped region, 120 counties, extreme inequality, regional pattern, spread 0.50, edges gradient, linear exposure−response, event rate 8, RR 1.4, short lag



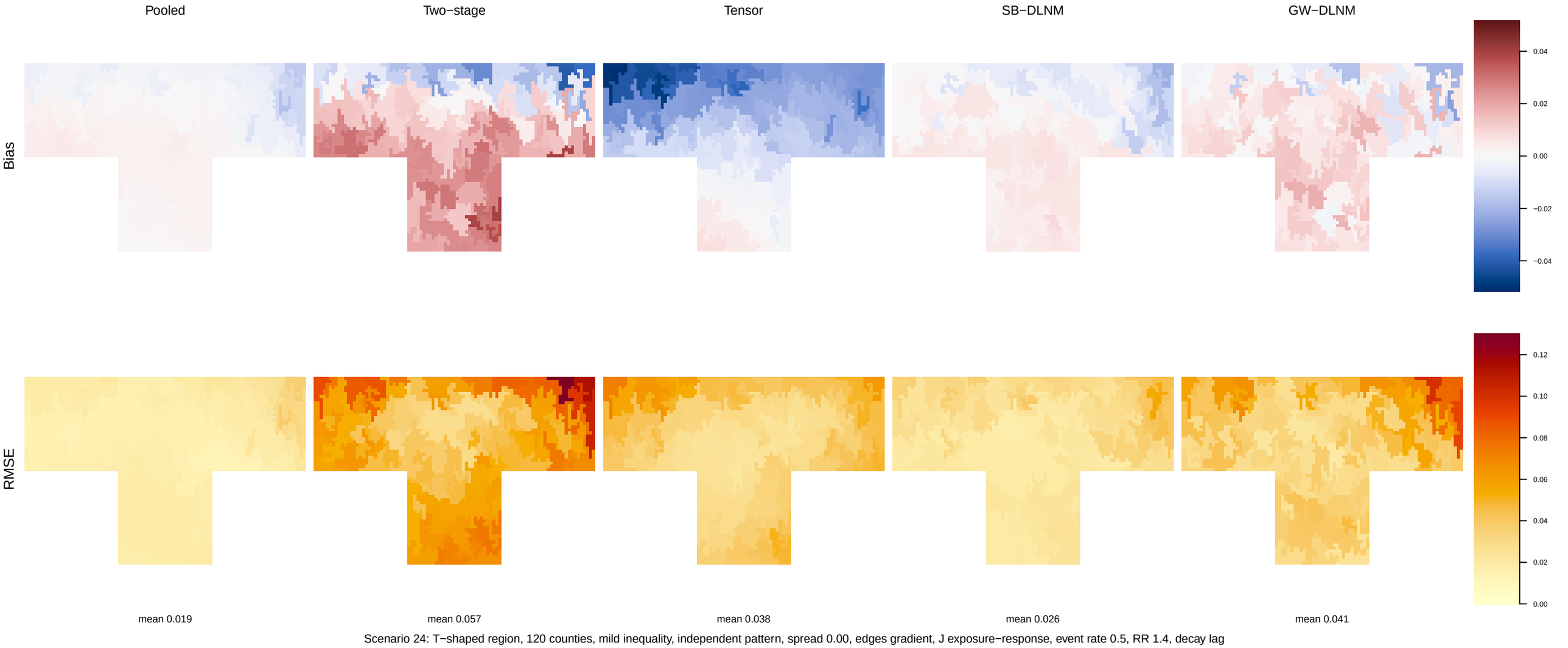
Scenario 888: T−shaped region, 120 counties, extreme inequality, local pattern, spread 0.50, NS gradient, linear exposure−response, event rate 0.125, RR 1.0, harvest lag



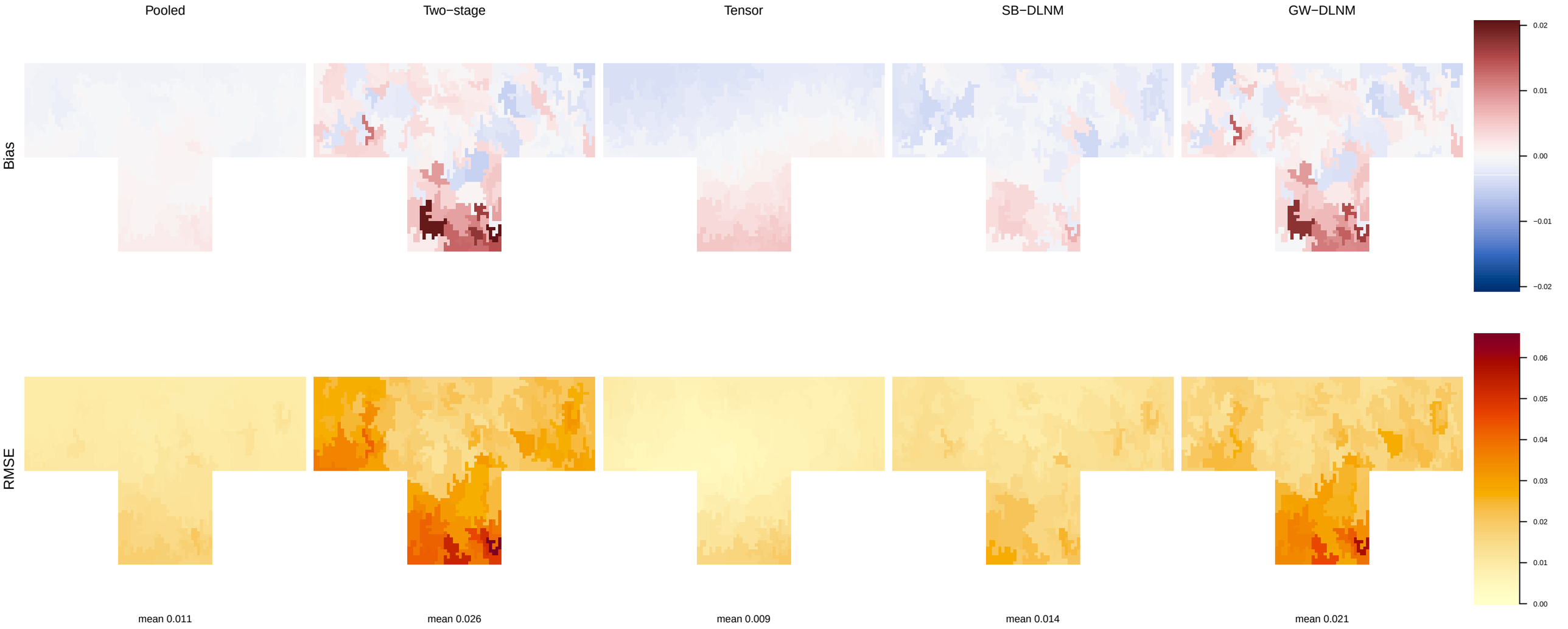
Scenario 824: T−shaped region, 120 counties, extreme inequality, independent pattern, spread 0.50, ridge gradient, linear exposure−response, event rate 0.5, RR 1.6, delayed lag



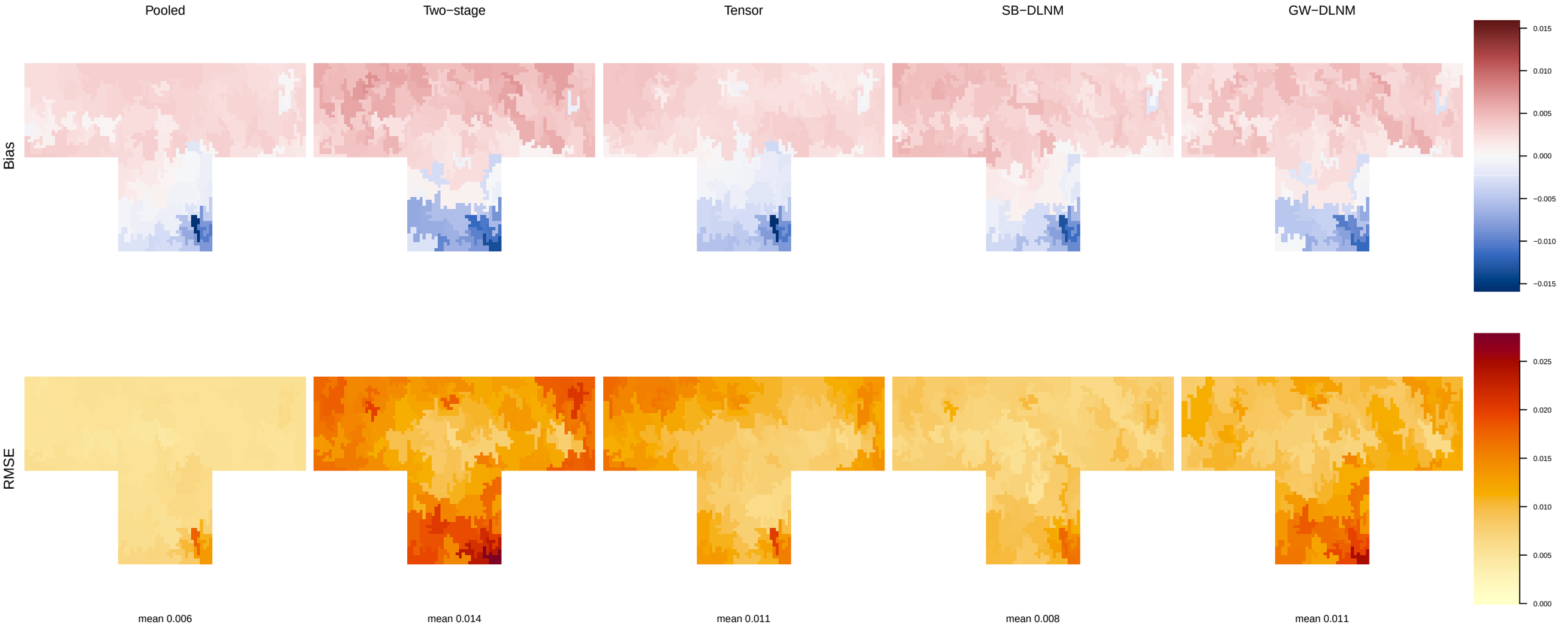
Scenario 1016: T−shaped region, 120 counties, extreme inequality, boundary pattern, spread 0.50, valley gradient, linear exposure−response, event rate 2, RR 1.2, decay lag



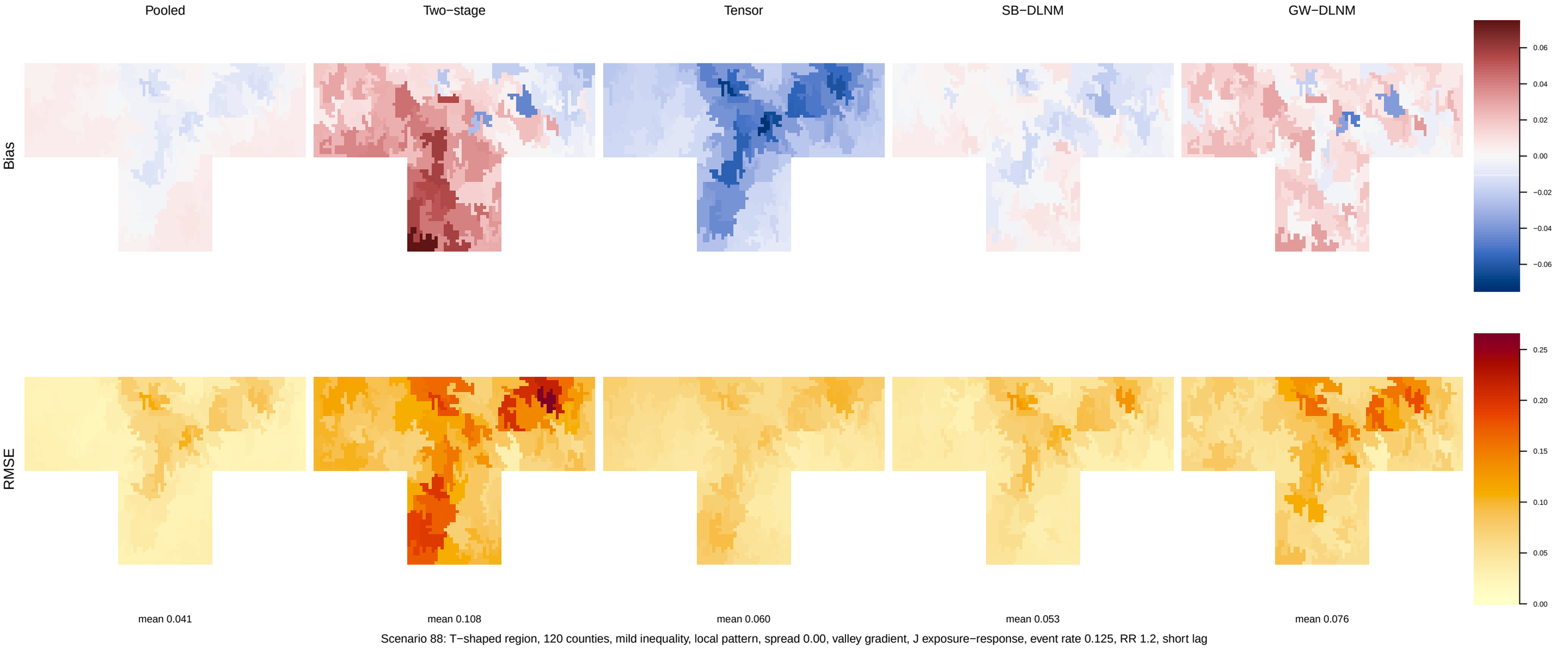
Scenario 24: T−shaped region, 120 counties, mild inequality, independent pattern, spread 0.00, edges gradient, J exposure−response, event rate 0.5, RR 1.4, decay lag



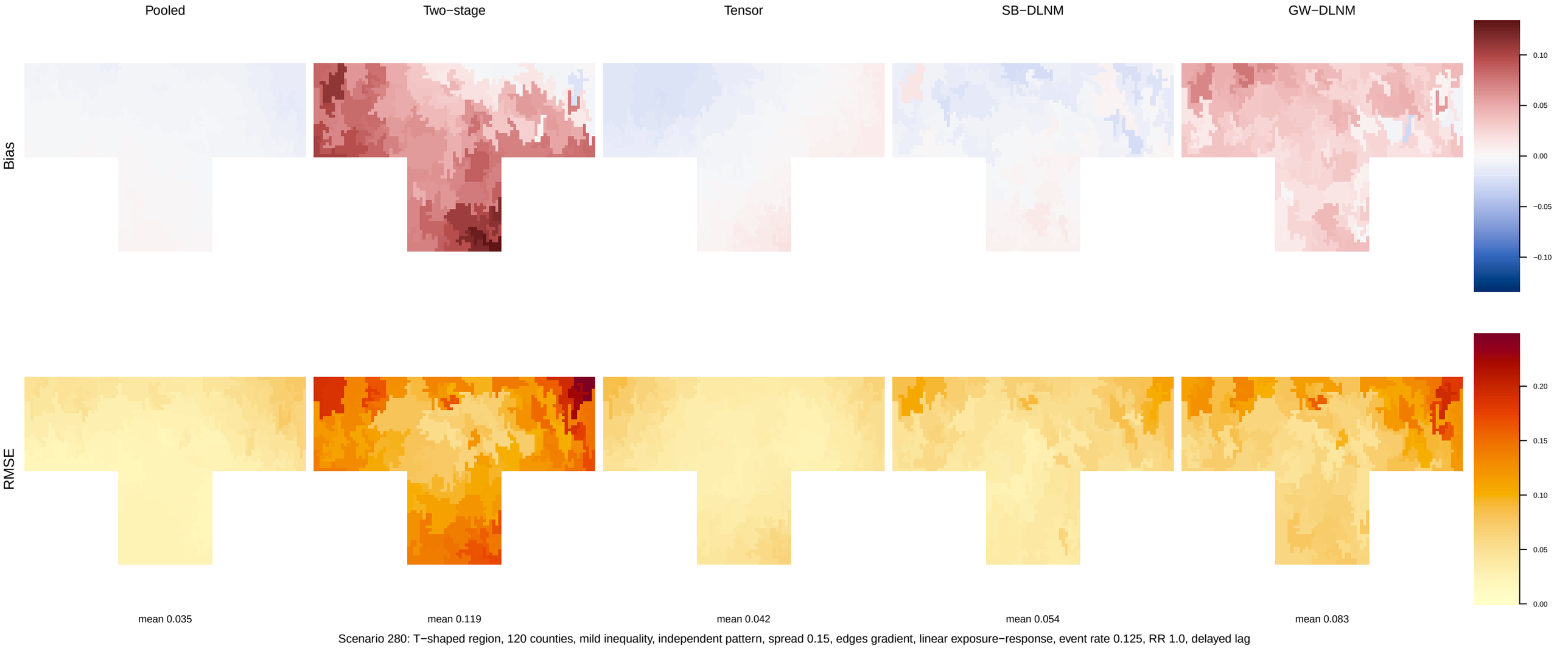
Scenario 216: T−shaped region, 120 counties, mild inequality, boundary pattern, spread 0.00, NS gradient, J exposure−response, event rate 2, RR 1.0, delayed lag



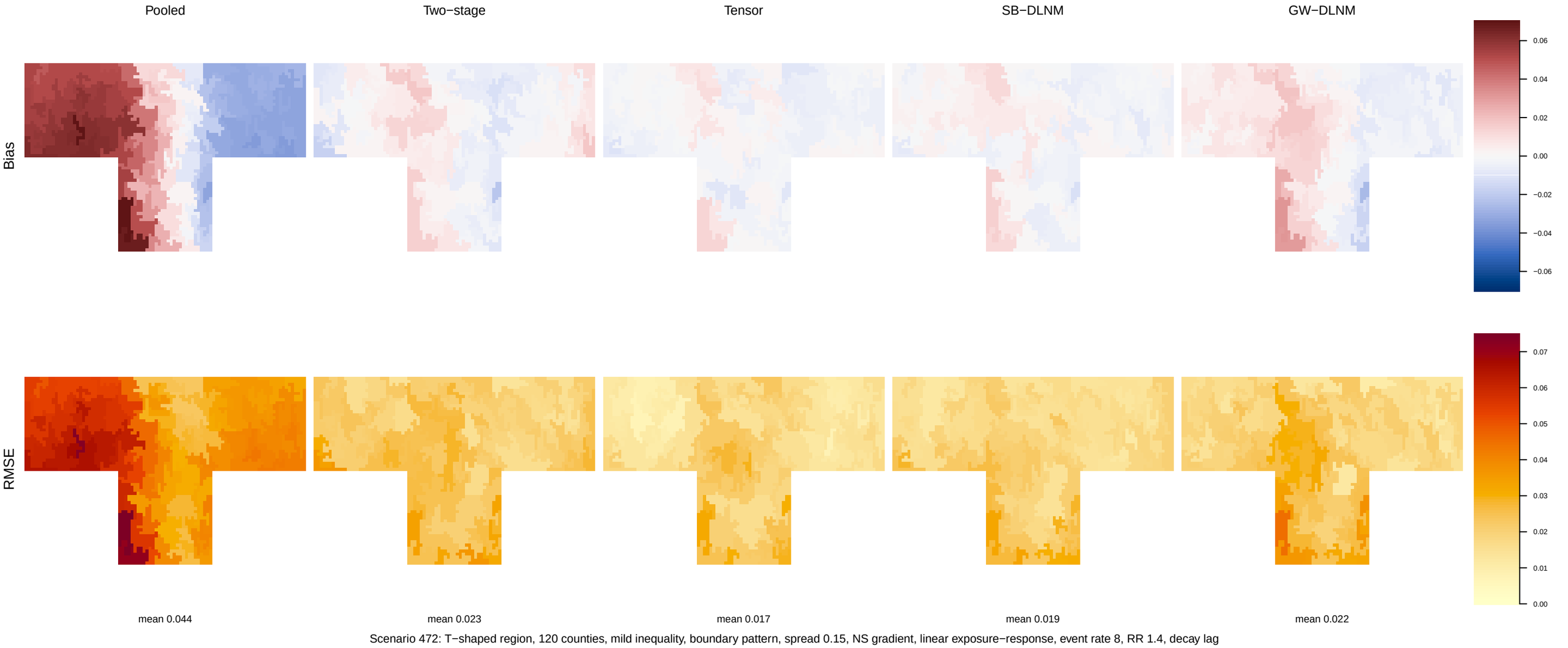
Scenario 152: T−shaped region, 120 counties, mild inequality, regional pattern, spread 0.00, ridge gradient, J exposure−response, event rate 8, RR 1.6, harvest lag



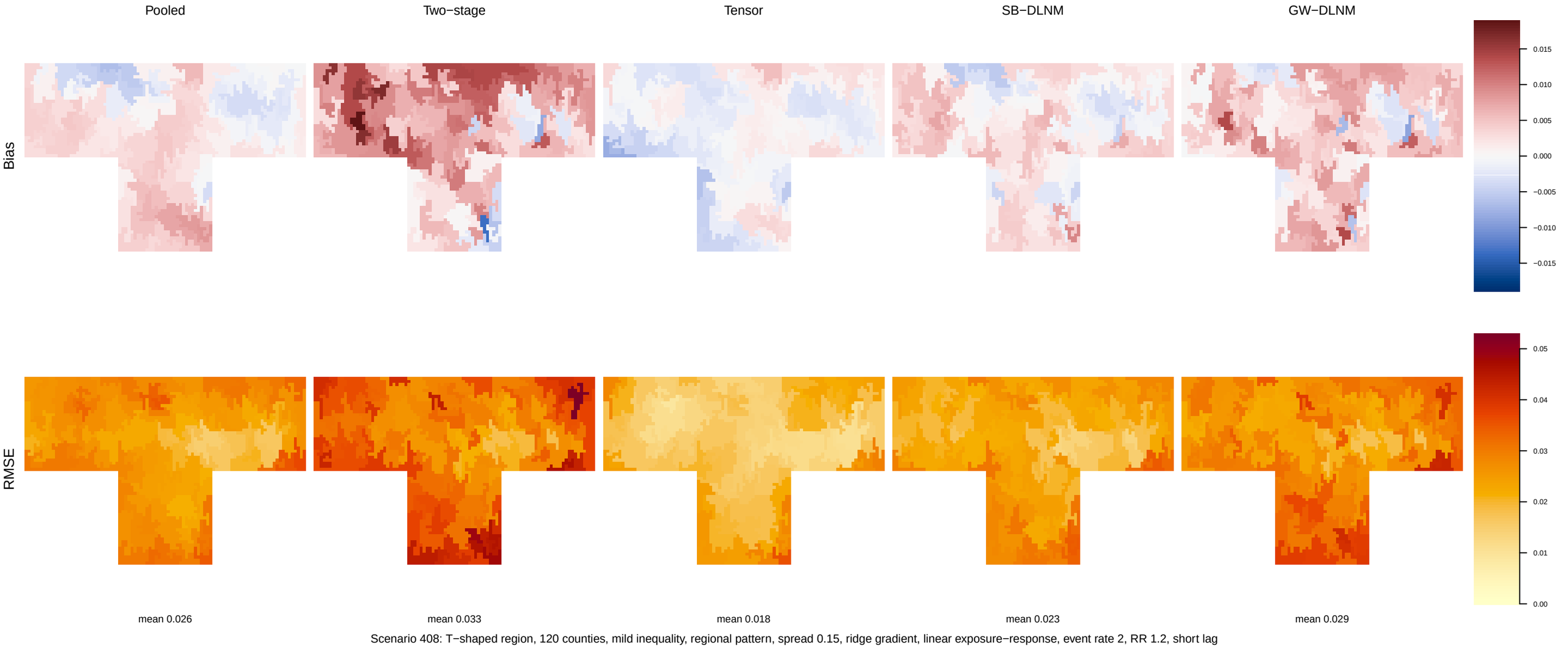
Scenario 88: T−shaped region, 120 counties, mild inequality, local pattern, spread 0.00, valley gradient, J exposure−response, event rate 0.125, RR 1.2, short lag



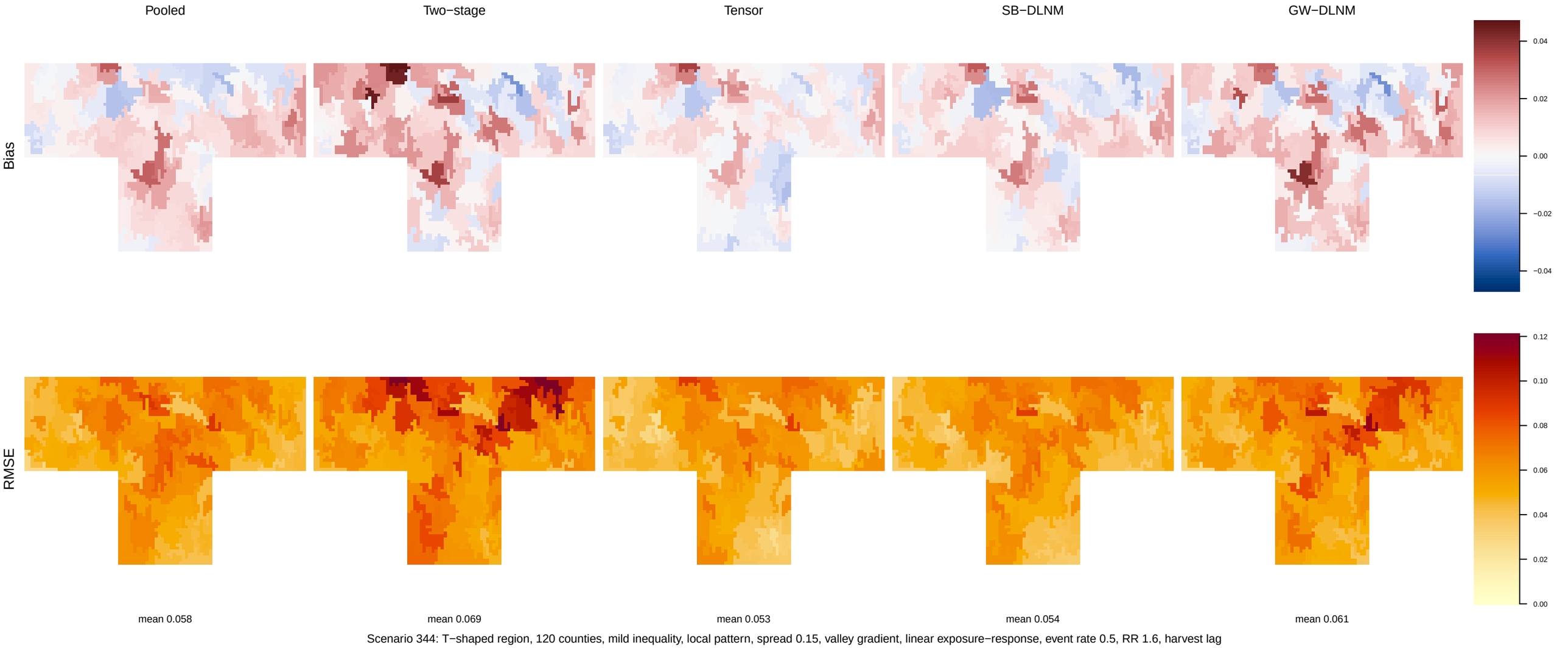
Scenario 280: T−shaped region, 120 counties, mild inequality, independent pattern, spread 0.15, edges gradient, linear exposure−response, event rate 0.125, RR 1.0, delayed lag



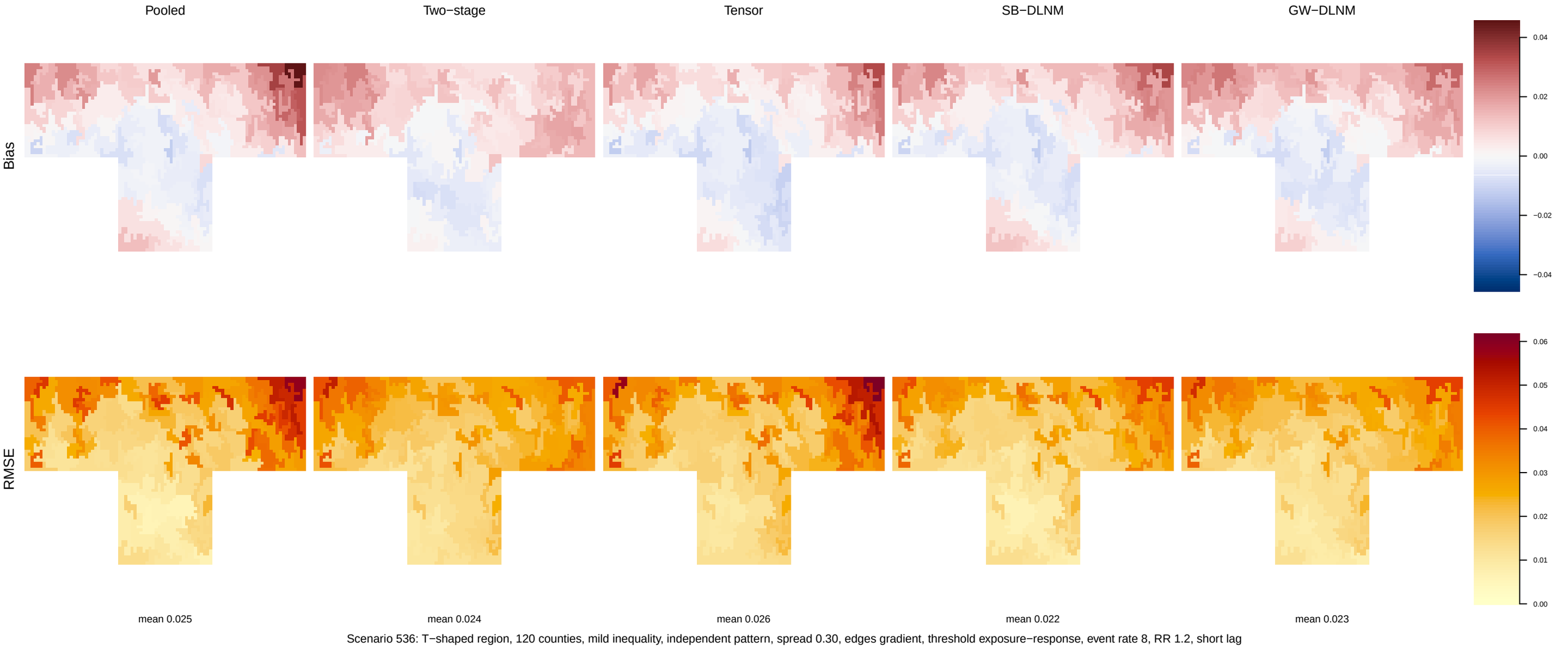
Scenario 472: T−shaped region, 120 counties, mild inequality, boundary pattern, spread 0.15, NS gradient, linear exposure−response, event rate 8, RR 1.4, decay lag



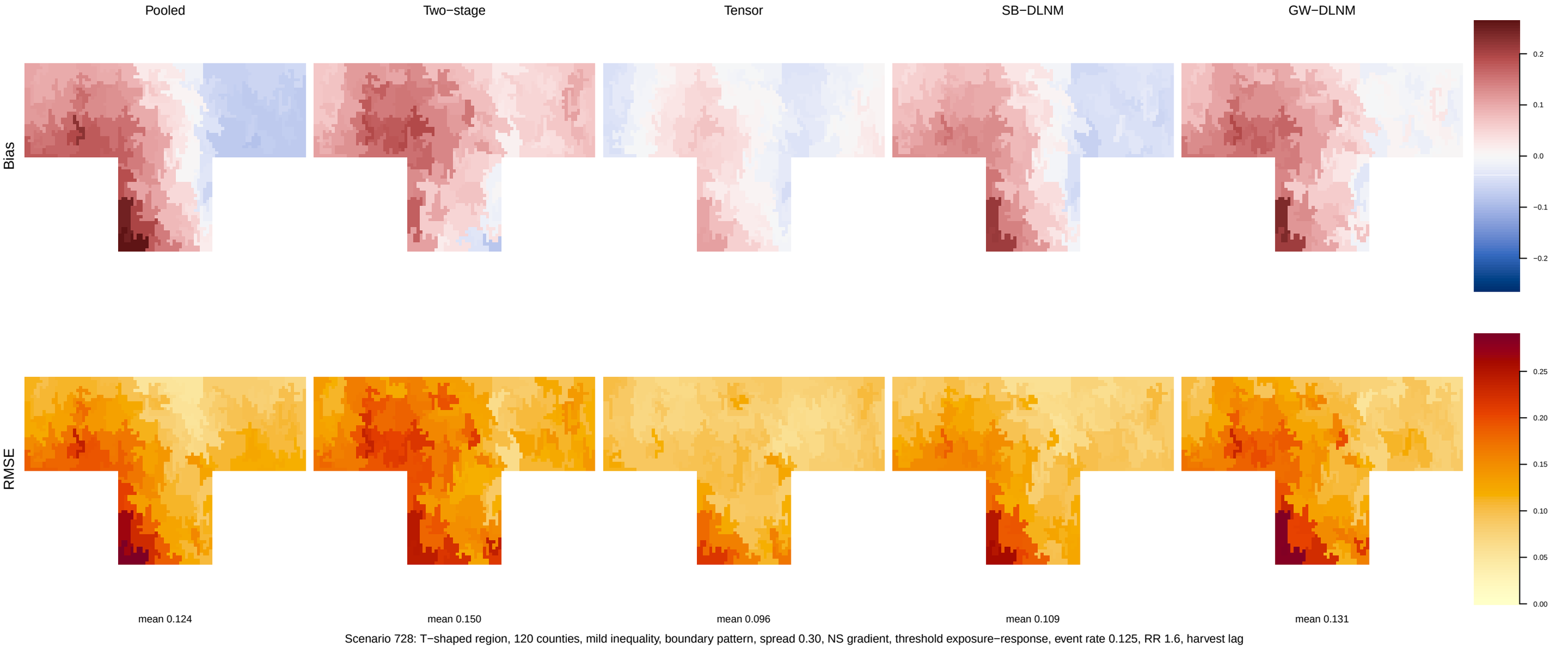
Scenario 408: T−shaped region, 120 counties, mild inequality, regional pattern, spread 0.15, ridge gradient, linear exposure−response, event rate 2, RR 1.2, short lag



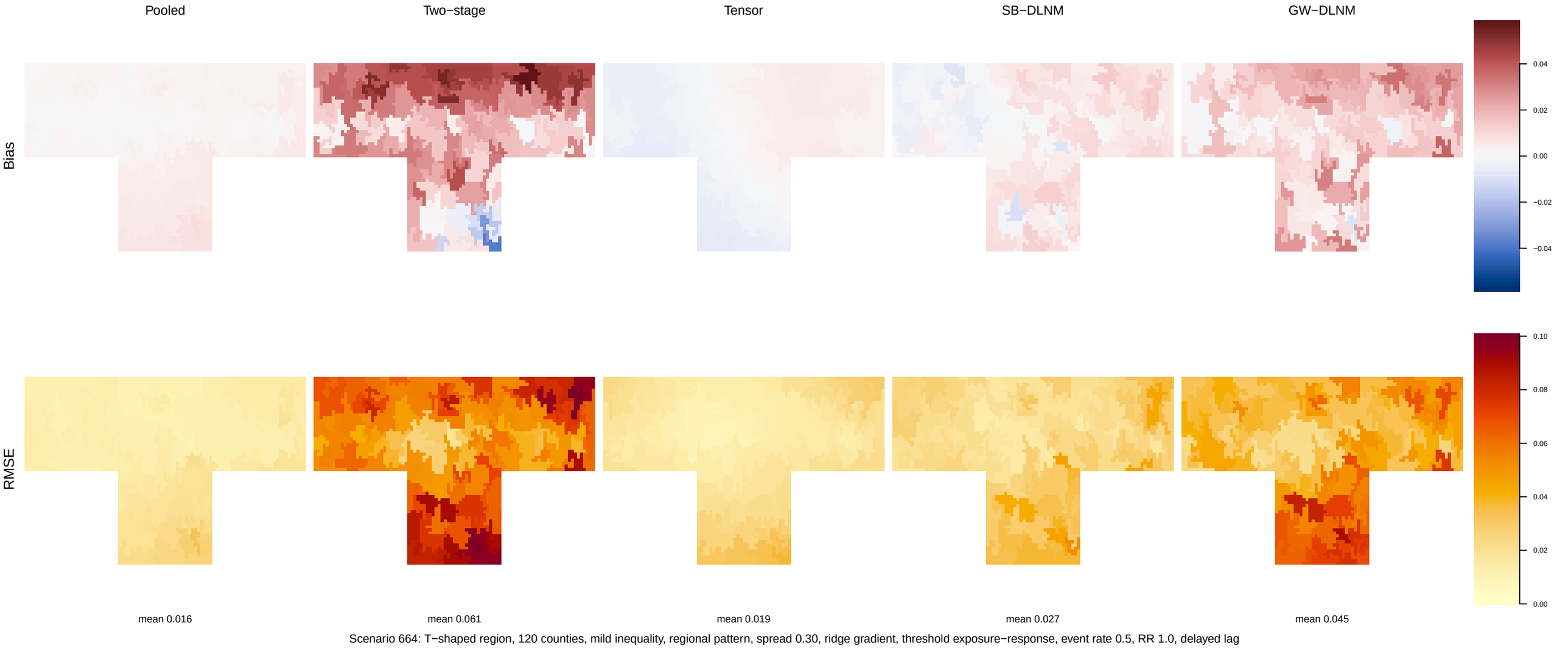
Scenario 344: T−shaped region, 120 counties, mild inequality, local pattern, spread 0.15, valley gradient, linear exposure−response, event rate 0.5, RR 1.6, harvest lag



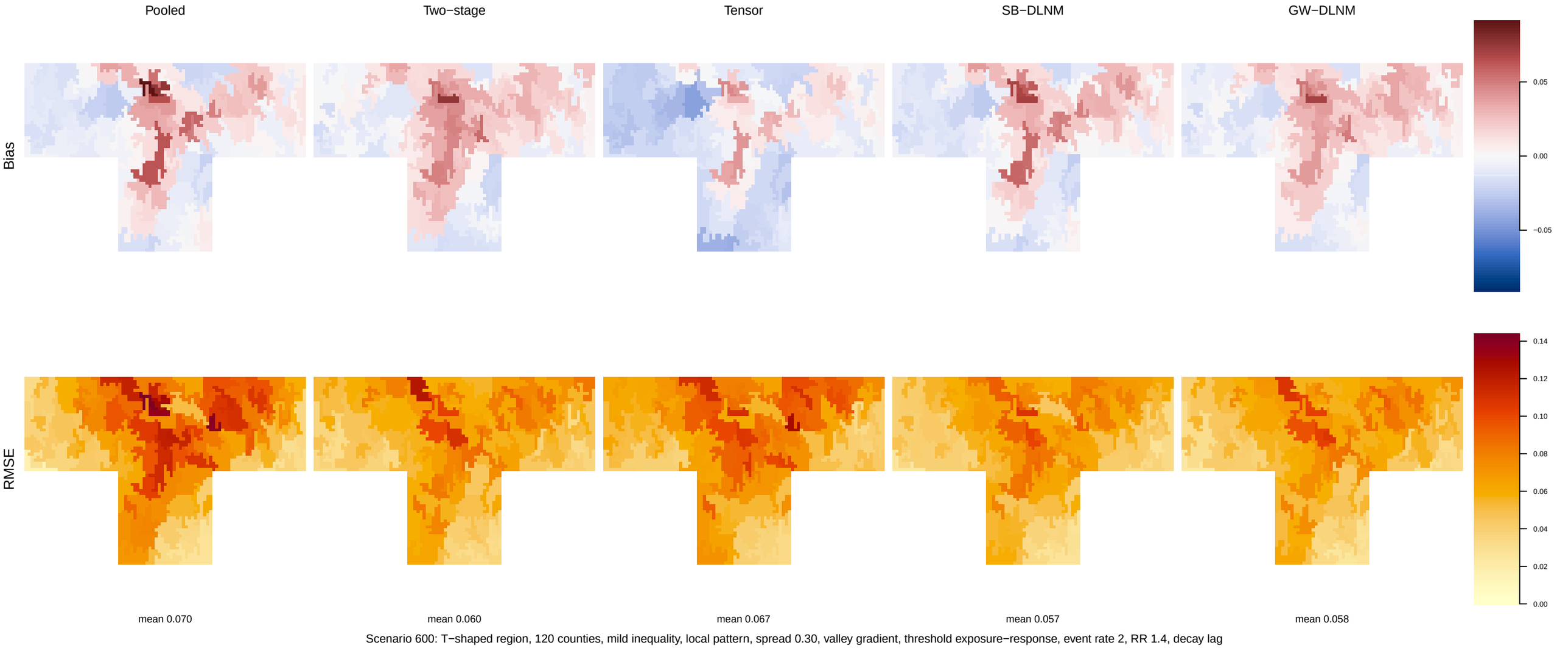
Scenario 536: T−shaped region, 120 counties, mild inequality, independent pattern, spread 0.30, edges gradient, threshold exposure−response, event rate 8, RR 1.2, short lag



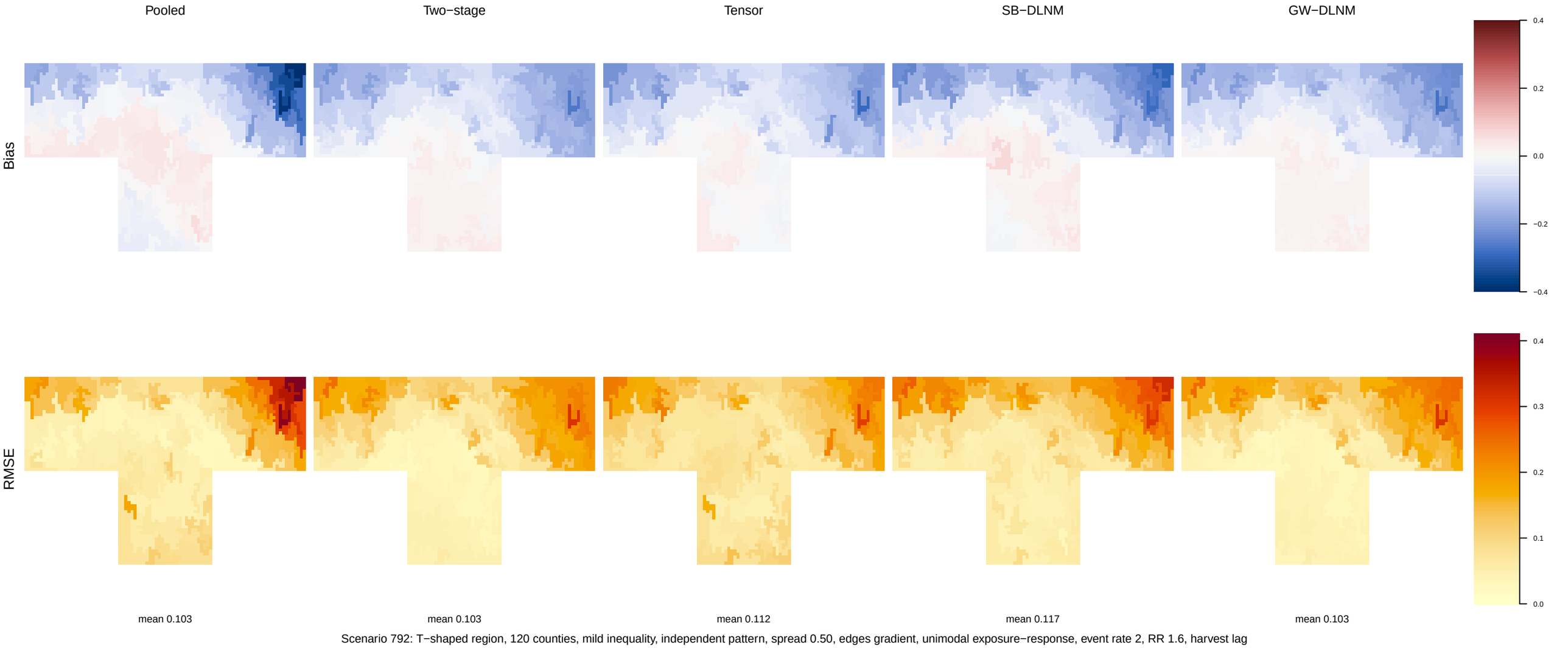
Scenario 728: T−shaped region, 120 counties, mild inequality, boundary pattern, spread 0.30, NS gradient, threshold exposure−response, event rate 0.125, RR 1.6, harvest lag

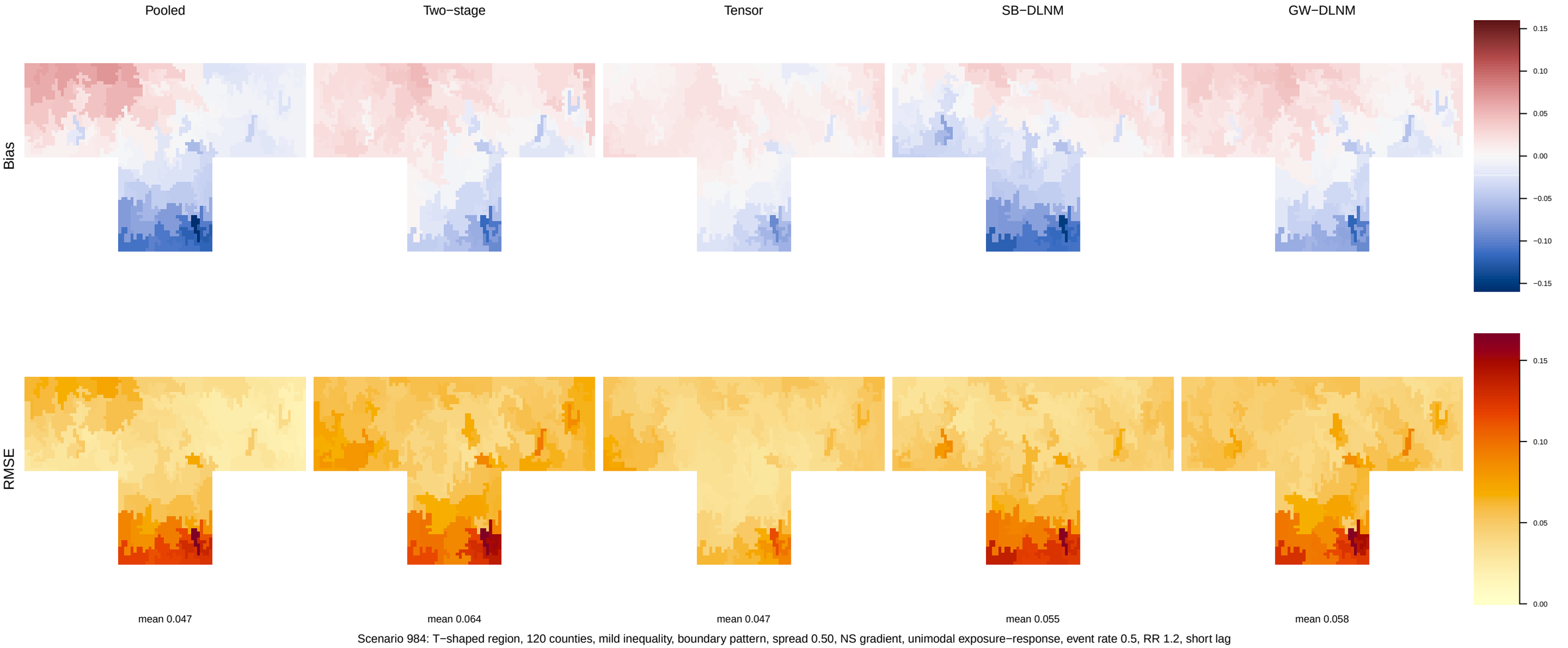


Scenario 664: T−shaped region, 120 counties, mild inequality, regional pattern, spread 0.30, ridge gradient, threshold exposure−response, event rate 0.5, RR 1.0, delayed lag

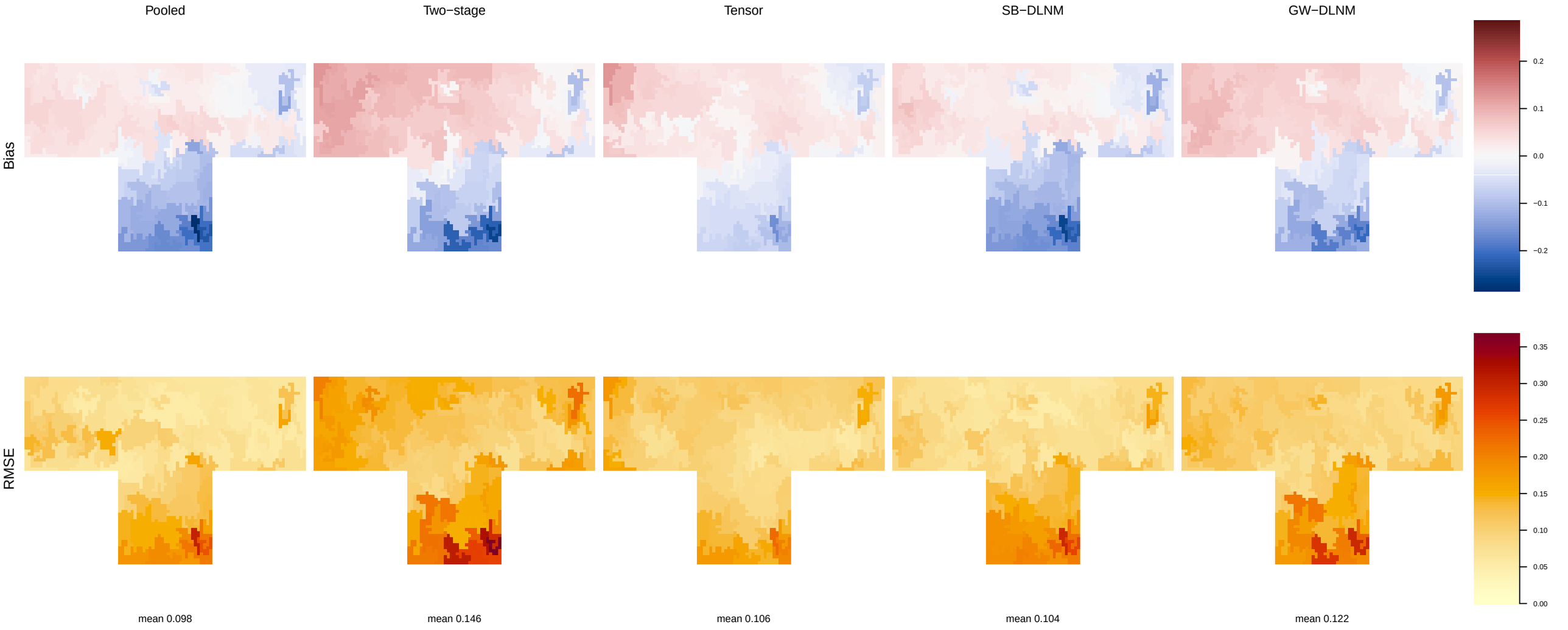


Scenario 600: T−shaped region, 120 counties, mild inequality, local pattern, spread 0.30, valley gradient, threshold exposure−response, event rate 2, RR 1.4, decay lag

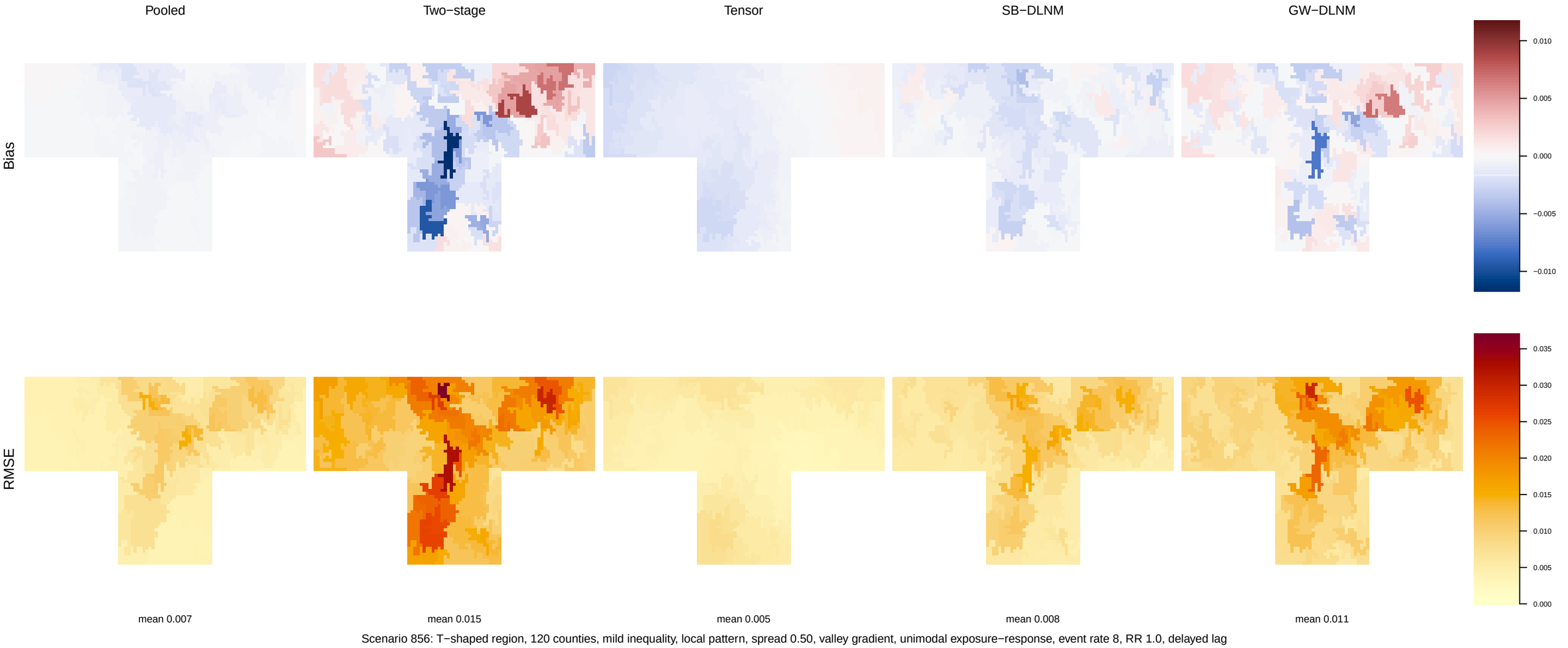

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.4
0.2
0.0
−0.2
−0.4
0.4
0.3
0.2
0.1
0.0
mean 0.103
mean 0.103
mean 0.112
mean 0.117
mean 0.103
Scenario 792: T−shaped region, 120 counties, mild inequality, independent pattern, spread 0.50, edges gradient, unimodal exposure−response, event rate 2, RR 1.6, harvest lag



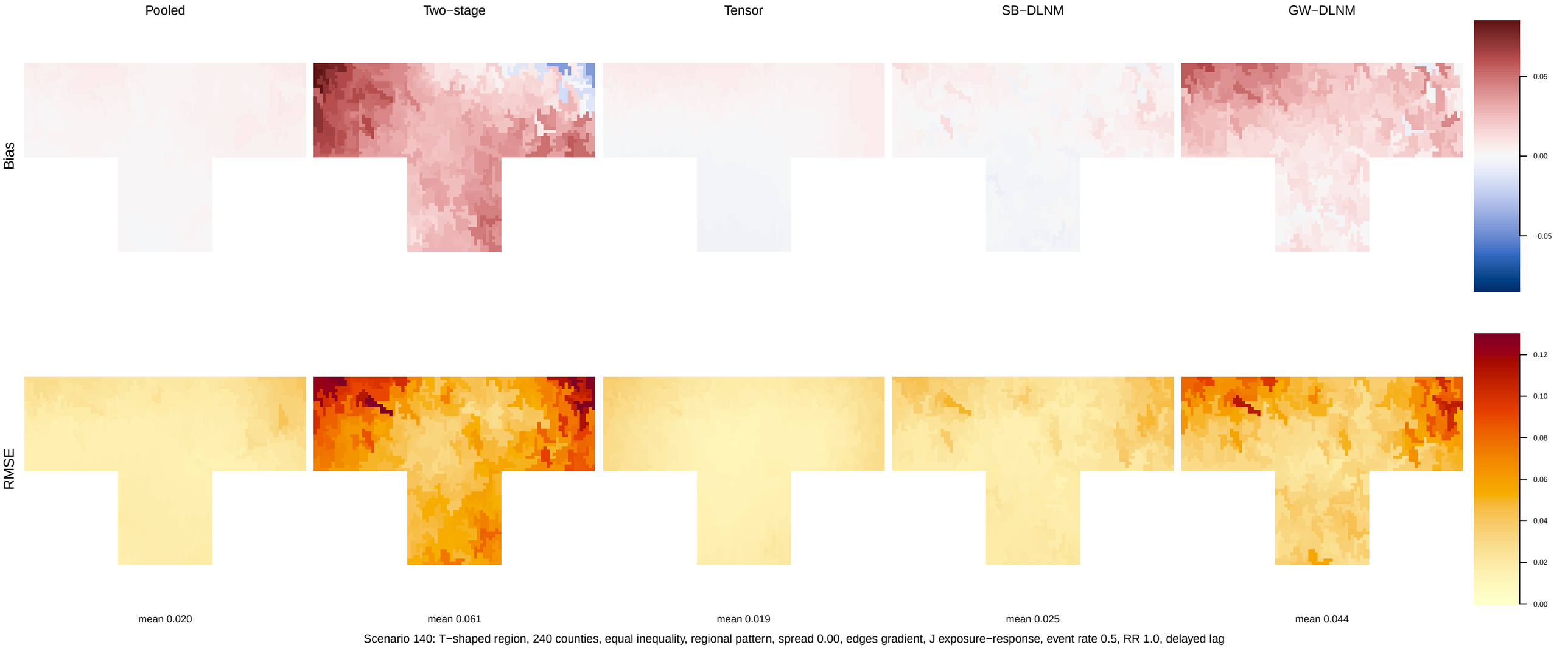
Scenario 984: T−shaped region, 120 counties, mild inequality, boundary pattern, spread 0.50, NS gradient, unimodal exposure−response, event rate 0.5, RR 1.2, short lag



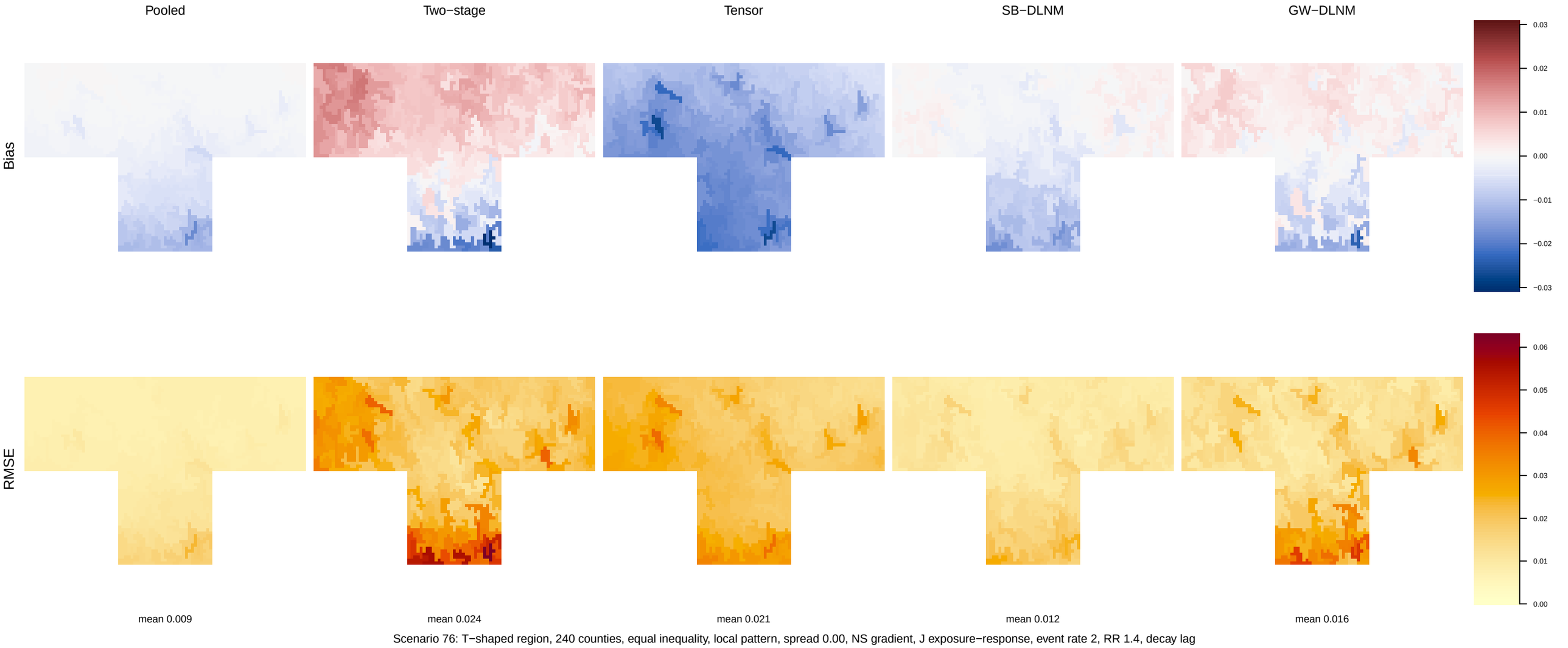
Scenario 920: T−shaped region, 120 counties, mild inequality, regional pattern, spread 0.50, ridge gradient, unimodal exposure−response, event rate 0.125, RR 1.4, decay lag



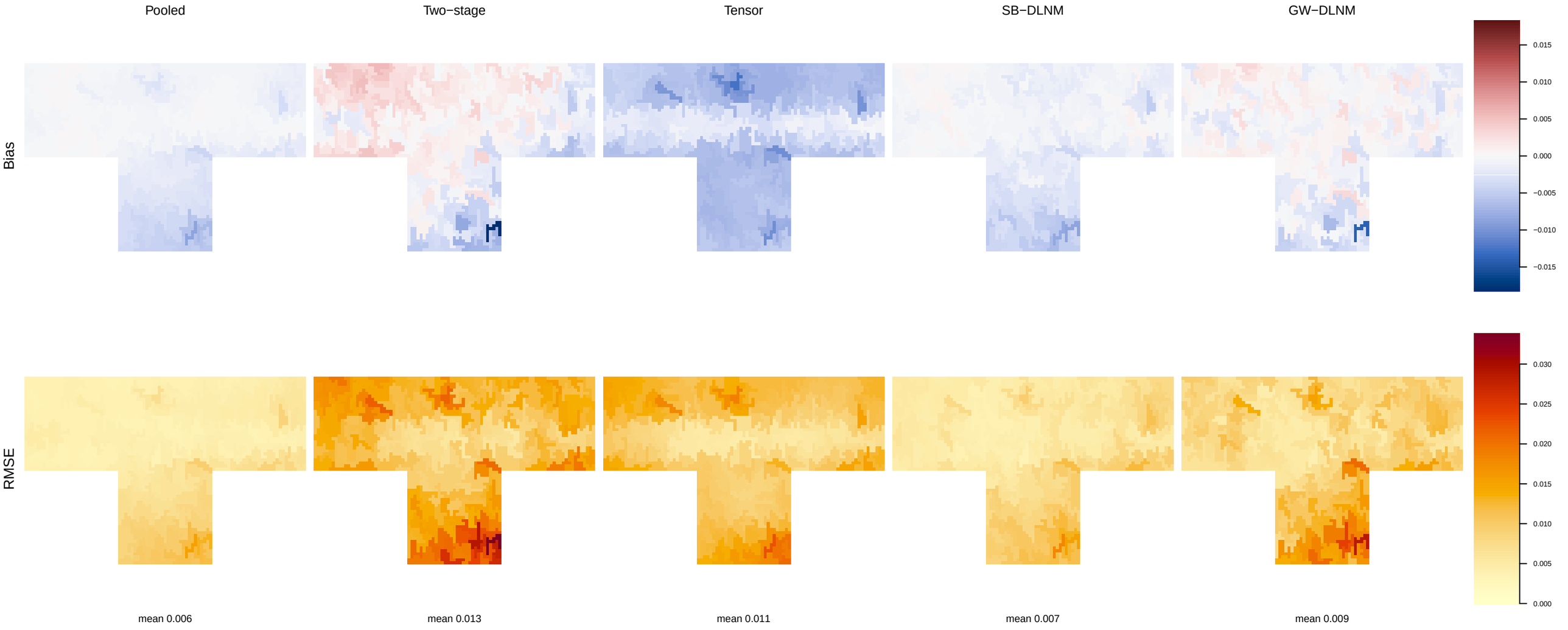
Scenario 856: T−shaped region, 120 counties, mild inequality, local pattern, spread 0.50, valley gradient, unimodal exposure−response, event rate 8, RR 1.0, delayed lag



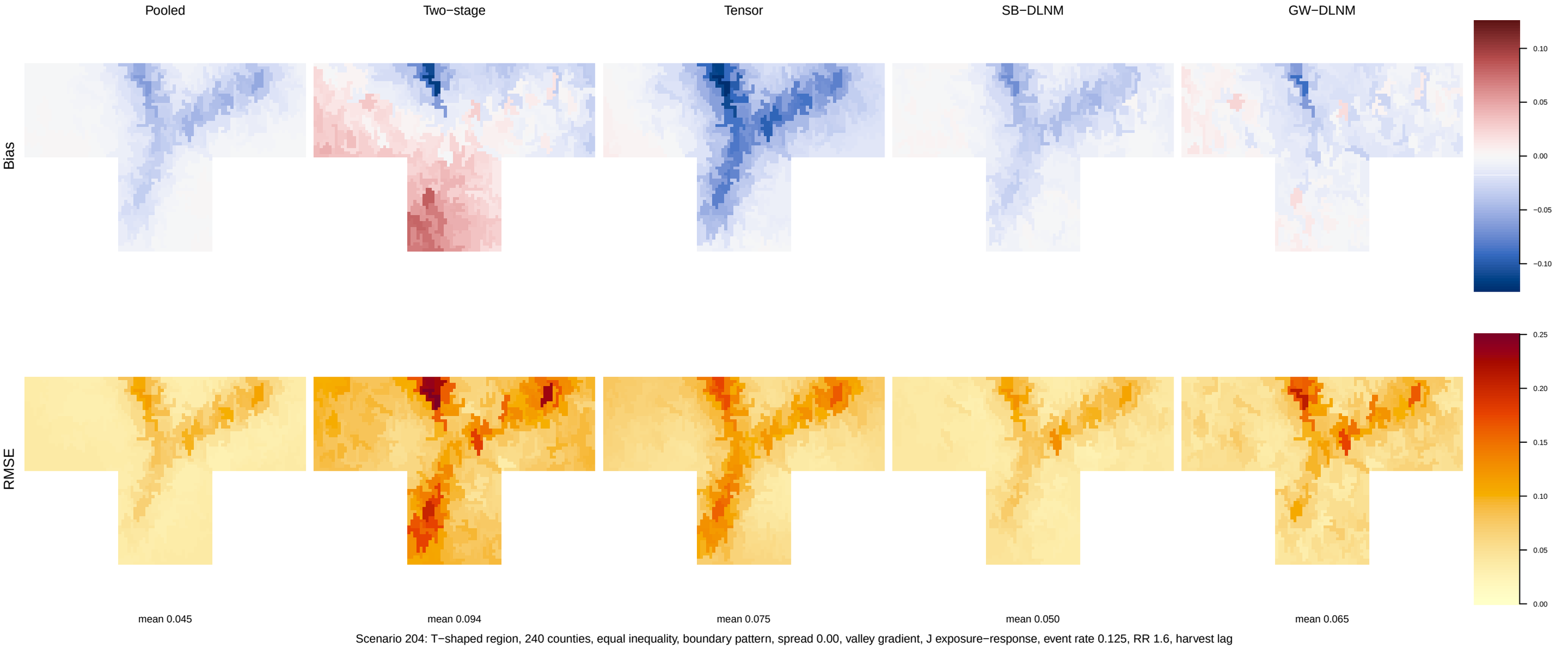
Scenario 140: T−shaped region, 240 counties, equal inequality, regional pattern, spread 0.00, edges gradient, J exposure−response, event rate 0.5, RR 1.0, delayed lag



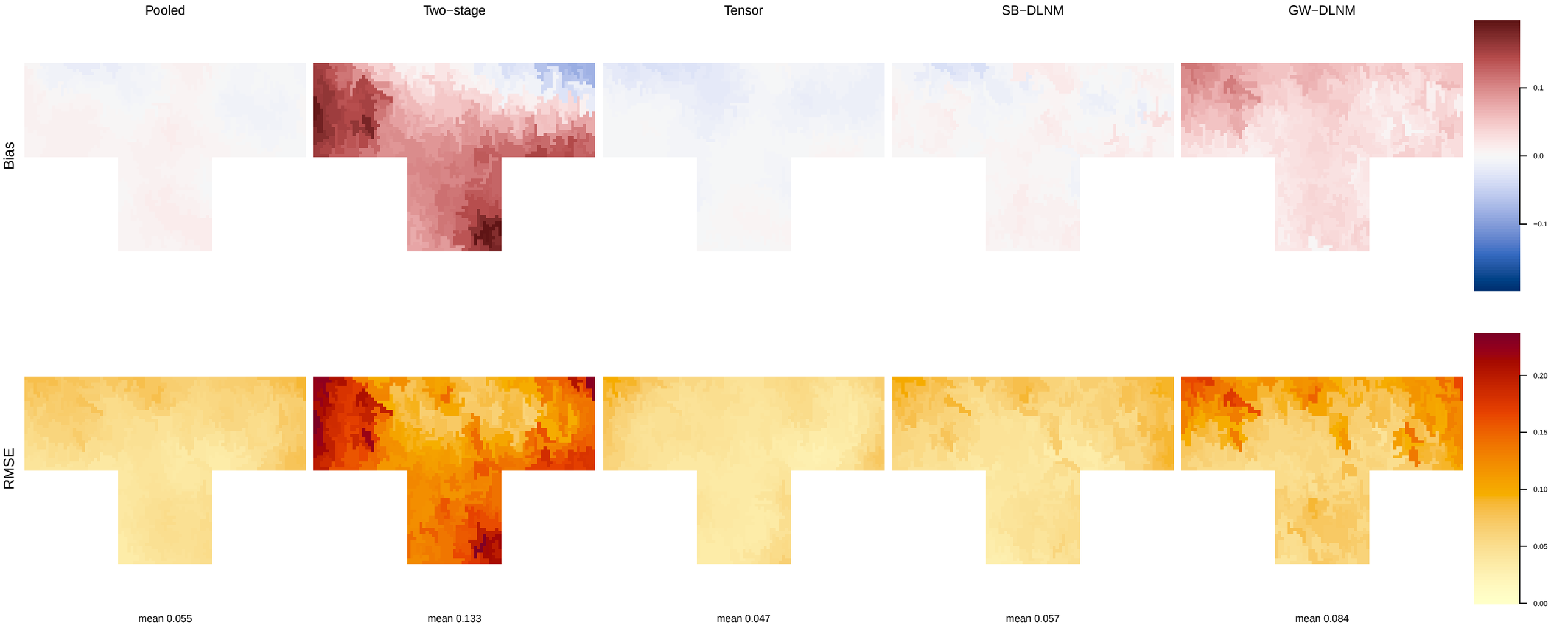
Scenario 76: T−shaped region, 240 counties, equal inequality, local pattern, spread 0.00, NS gradient, J exposure−response, event rate 2, RR 1.4, decay lag



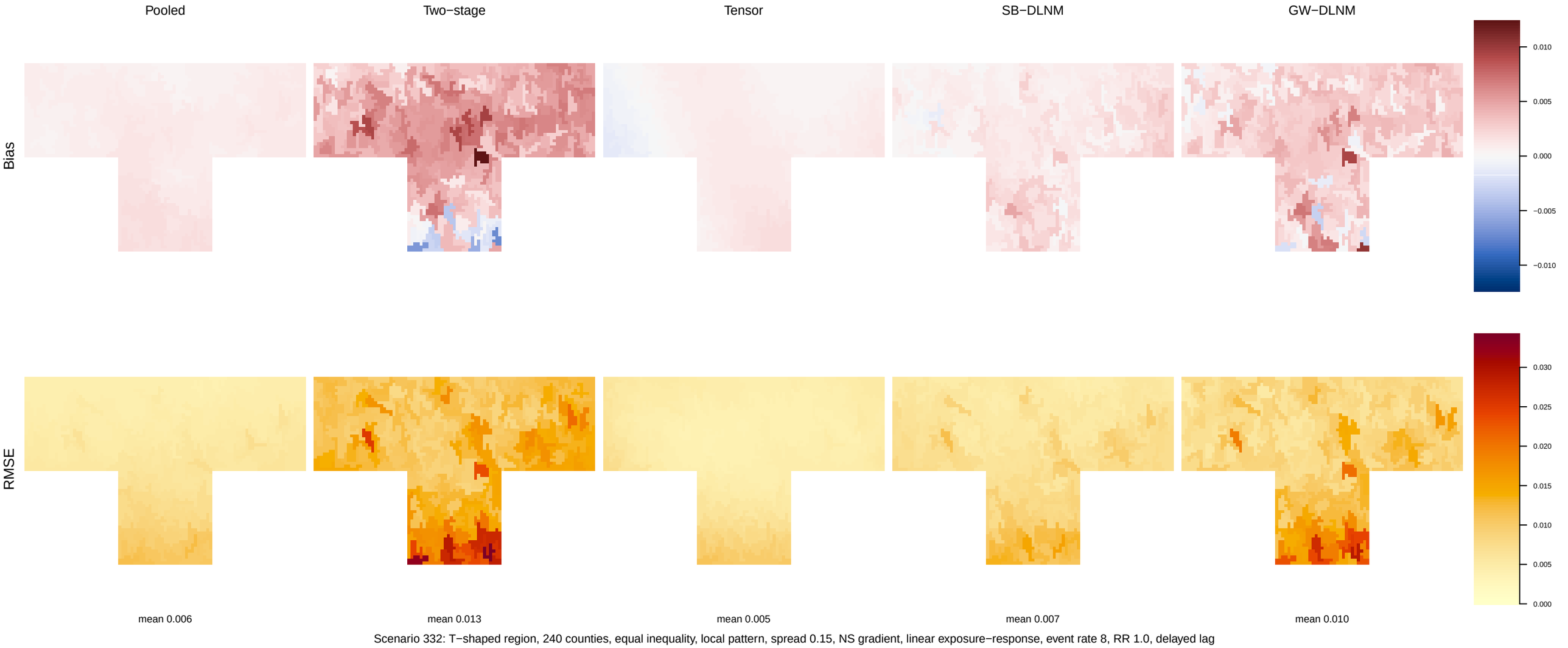
Scenario 12: T−shaped region, 240 counties, equal inequality, independent pattern, spread 0.00, ridge gradient, J exposure−response, event rate 8, RR 1.2, short lag



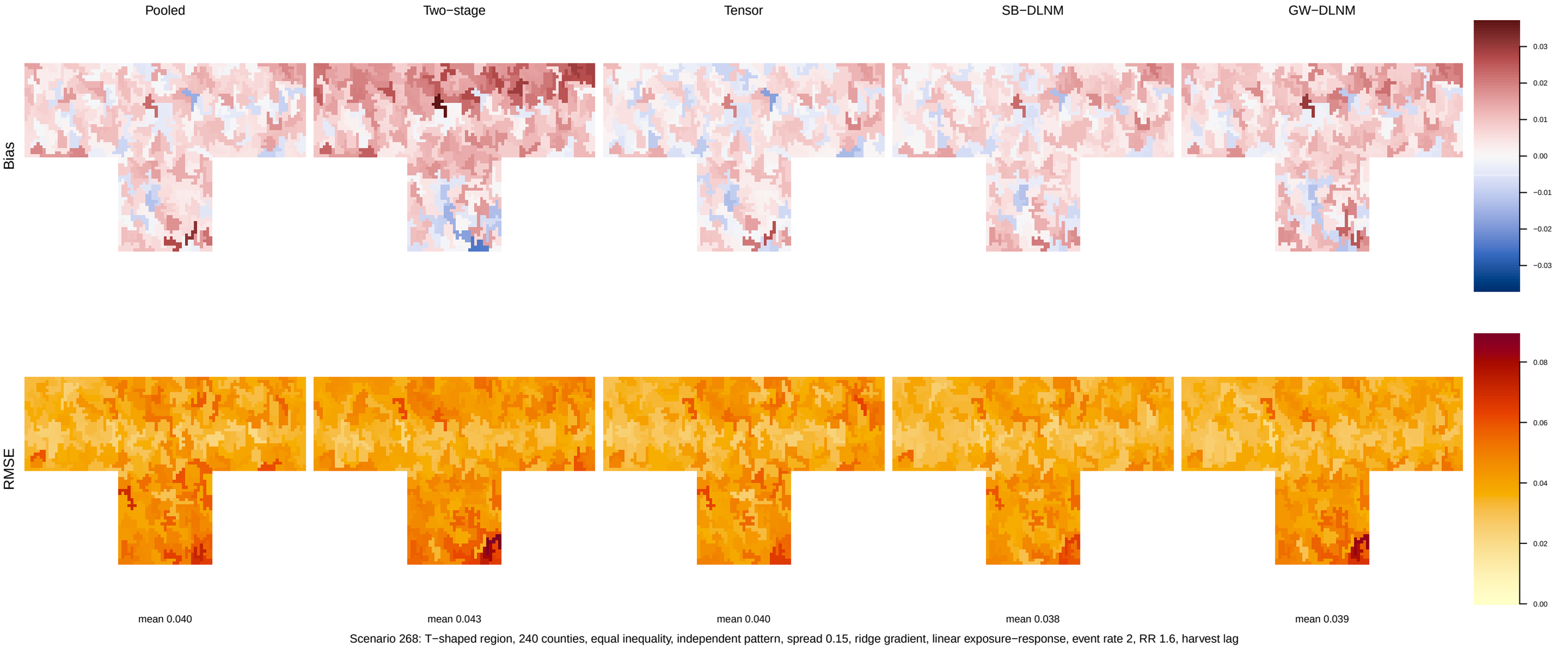
Scenario 204: T−shaped region, 240 counties, equal inequality, boundary pattern, spread 0.00, valley gradient, J exposure−response, event rate 0.125, RR 1.6, harvest lag



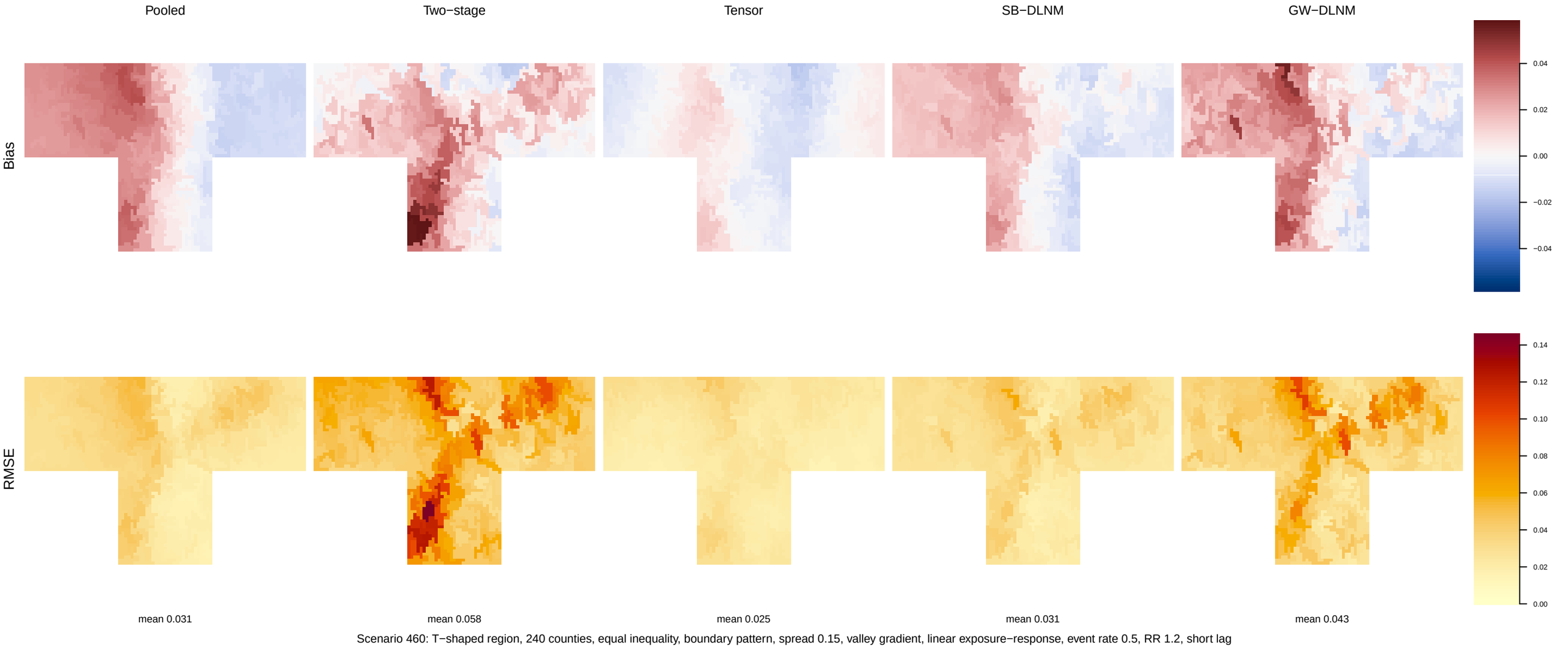
Scenario 396: T−shaped region, 240 counties, equal inequality, regional pattern, spread 0.15, edges gradient, linear exposure−response, event rate 0.125, RR 1.4, decay lag

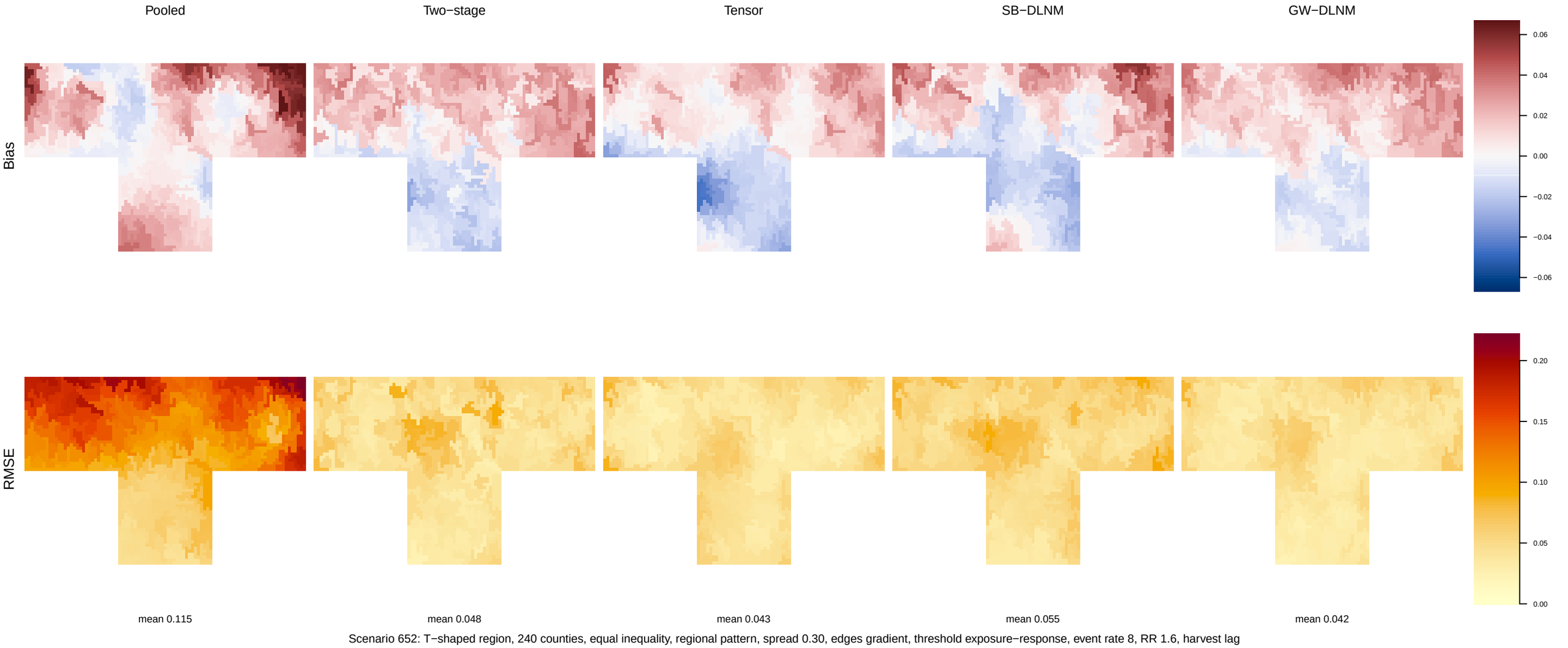


Scenario 332: T−shaped region, 240 counties, equal inequality, local pattern, spread 0.15, NS gradient, linear exposure−response, event rate 8, RR 1.0, delayed lag

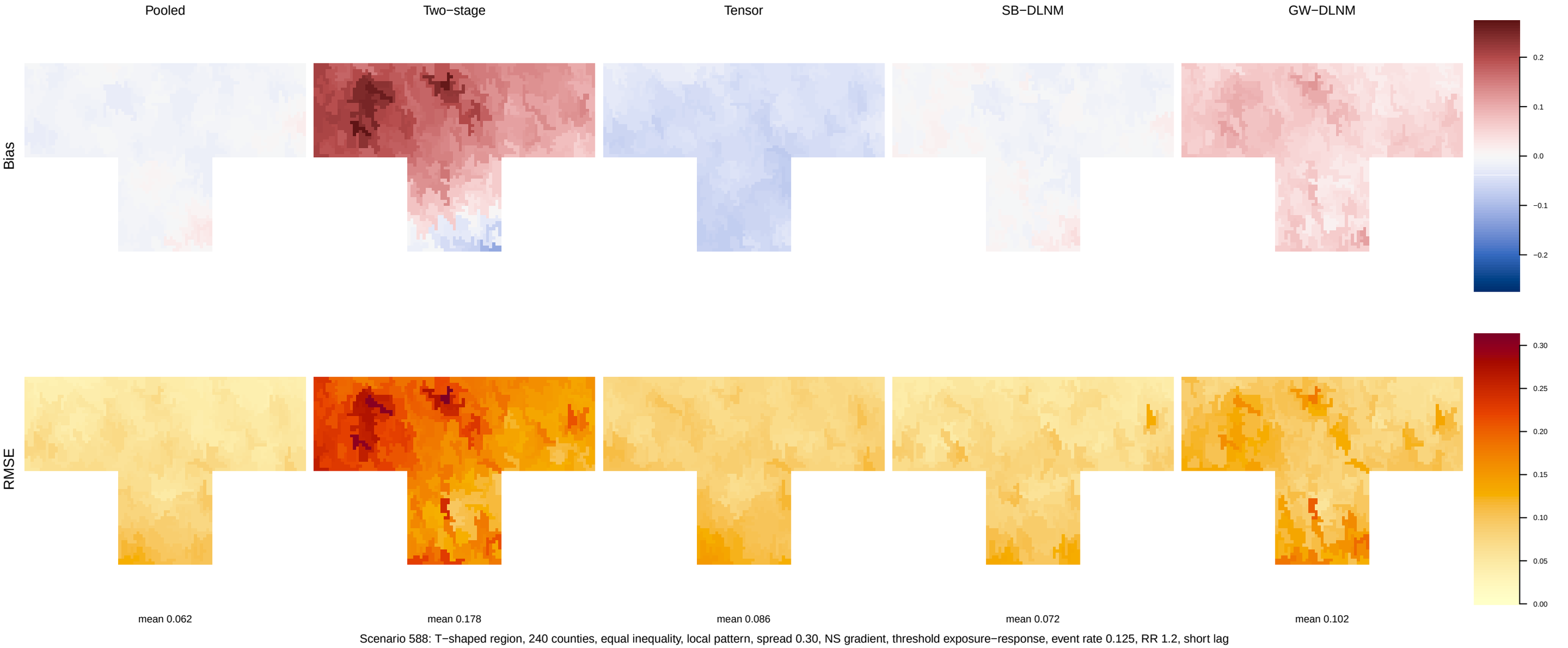


Scenario 268: T−shaped region, 240 counties, equal inequality, independent pattern, spread 0.15, ridge gradient, linear exposure−response, event rate 2, RR 1.6, harvest lag

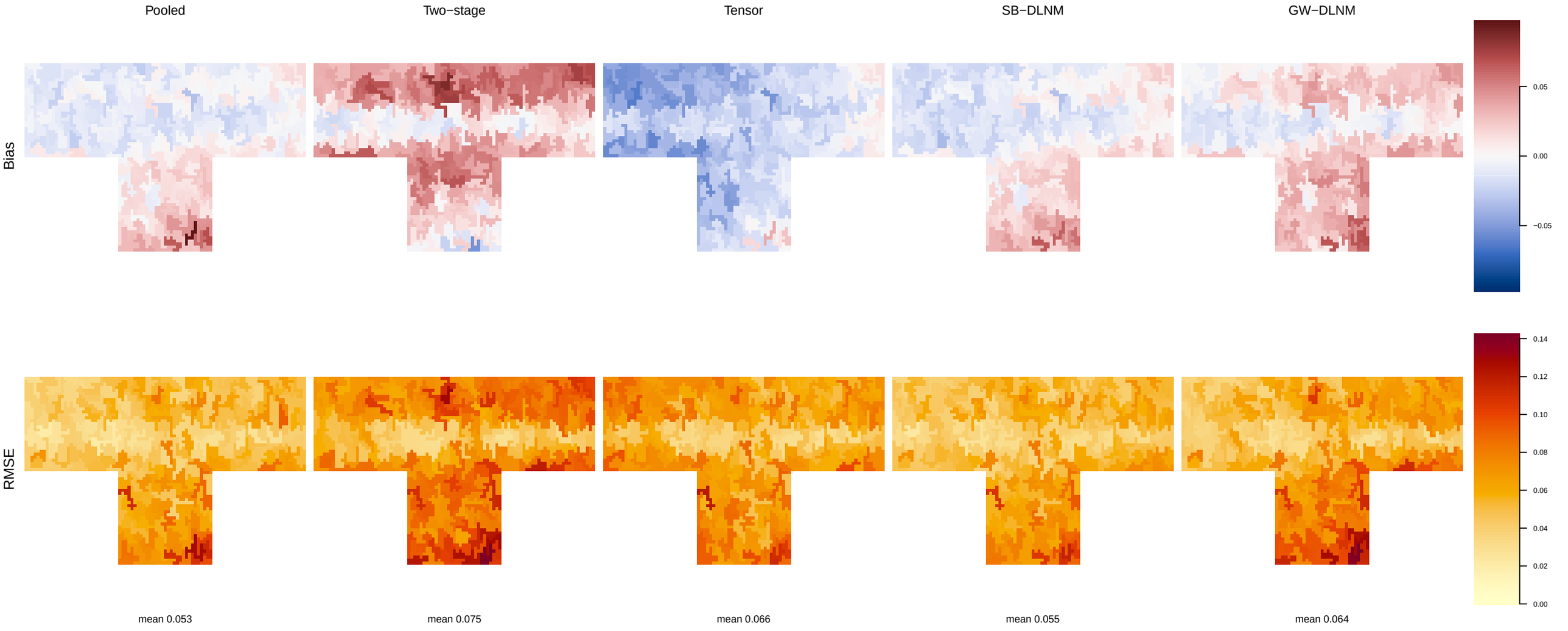

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.04
0.02
0.00
−0.02
−0.04
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
mean 0.031
mean 0.058
mean 0.025
mean 0.031
mean 0.043
Scenario 460: T−shaped region, 240 counties, equal inequality, boundary pattern, spread 0.15, valley gradient, linear exposure−response, event rate 0.5, RR 1.2, short lag



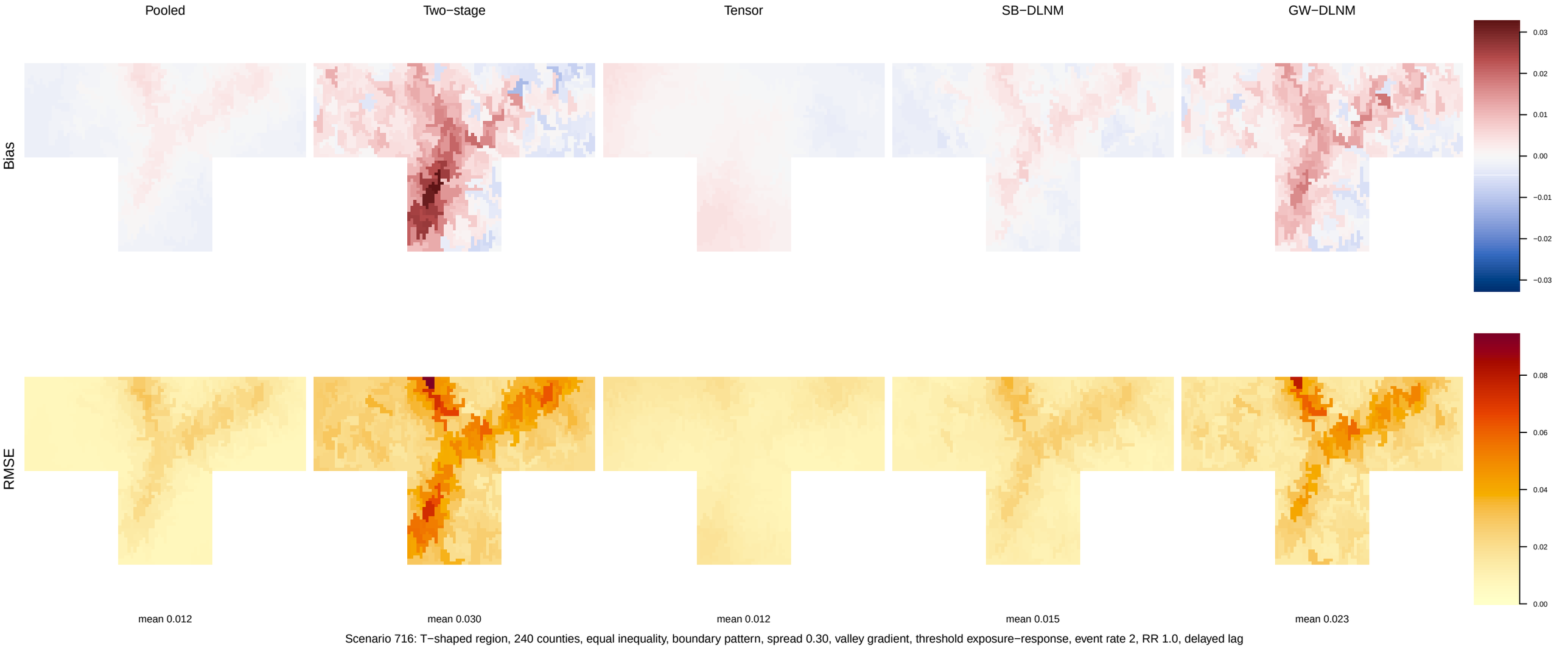
Scenario 652: T−shaped region, 240 counties, equal inequality, regional pattern, spread 0.30, edges gradient, threshold exposure−response, event rate 8, RR 1.6, harvest lag



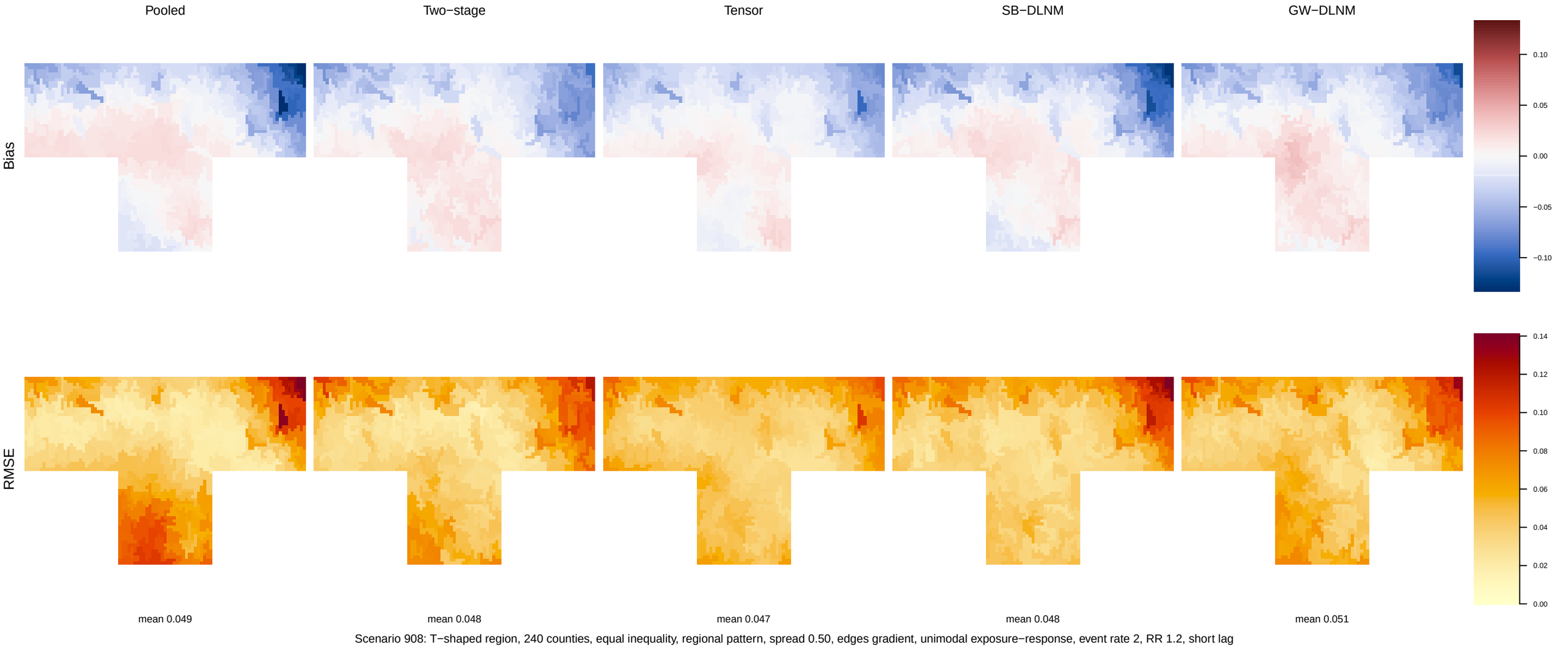
Scenario 588: T−shaped region, 240 counties, equal inequality, local pattern, spread 0.30, NS gradient, threshold exposure−response, event rate 0.125, RR 1.2, short lag



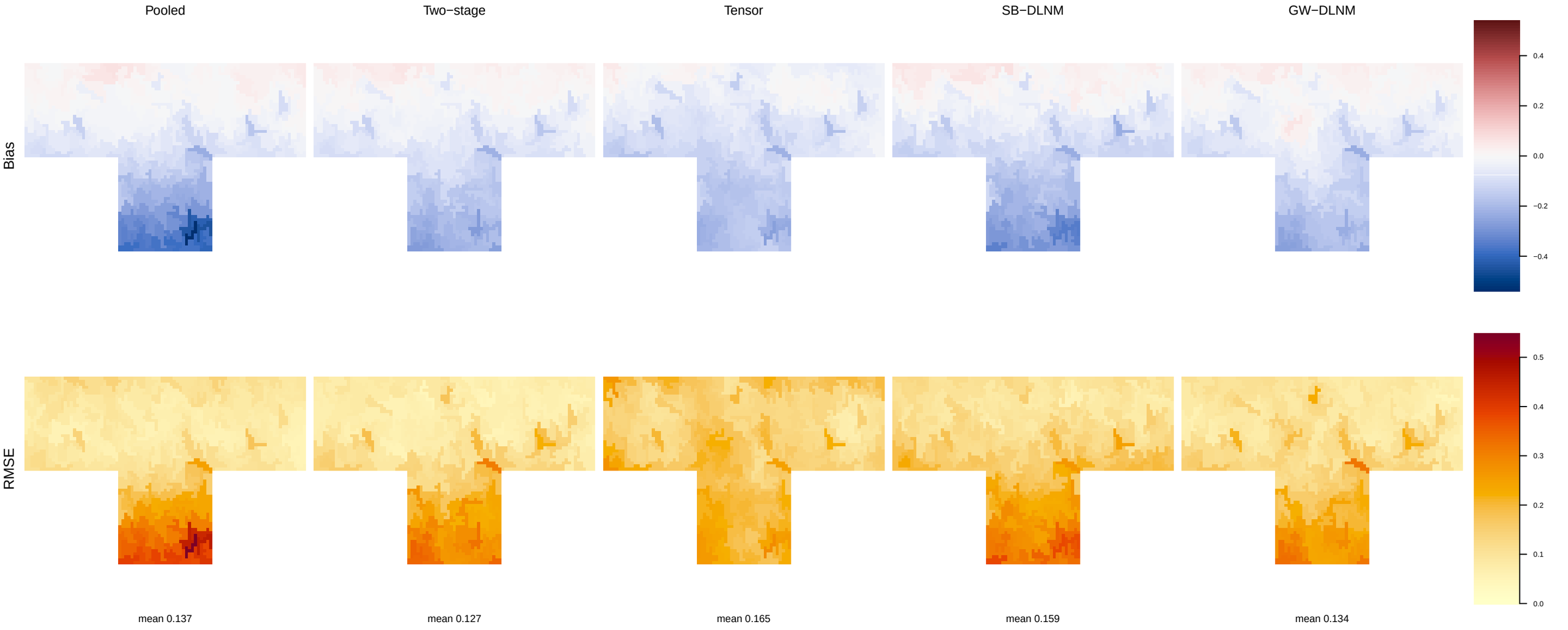
Scenario 524: T−shaped region, 240 counties, equal inequality, independent pattern, spread 0.30, ridge gradient, threshold exposure−response, event rate 0.5, RR 1.4, decay lag



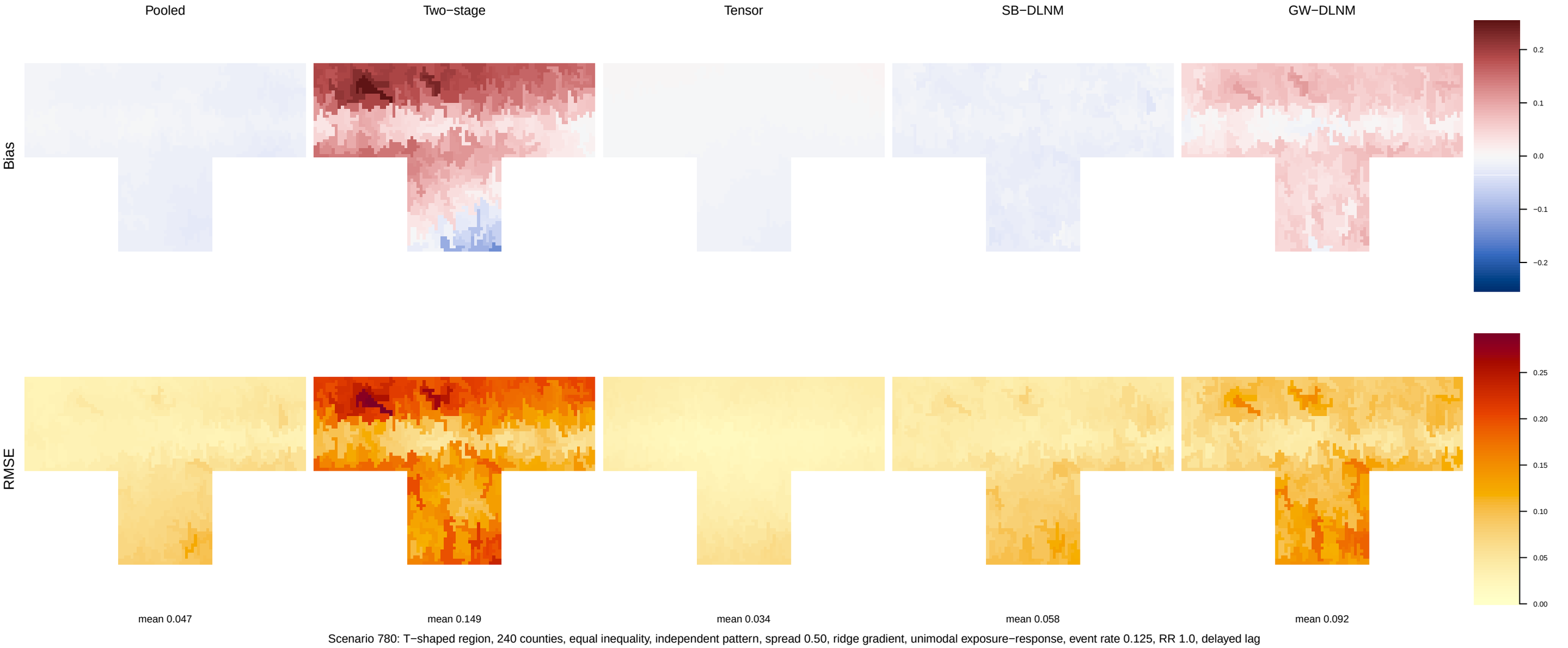
Scenario 716: T−shaped region, 240 counties, equal inequality, boundary pattern, spread 0.30, valley gradient, threshold exposure−response, event rate 2, RR 1.0, delayed lag



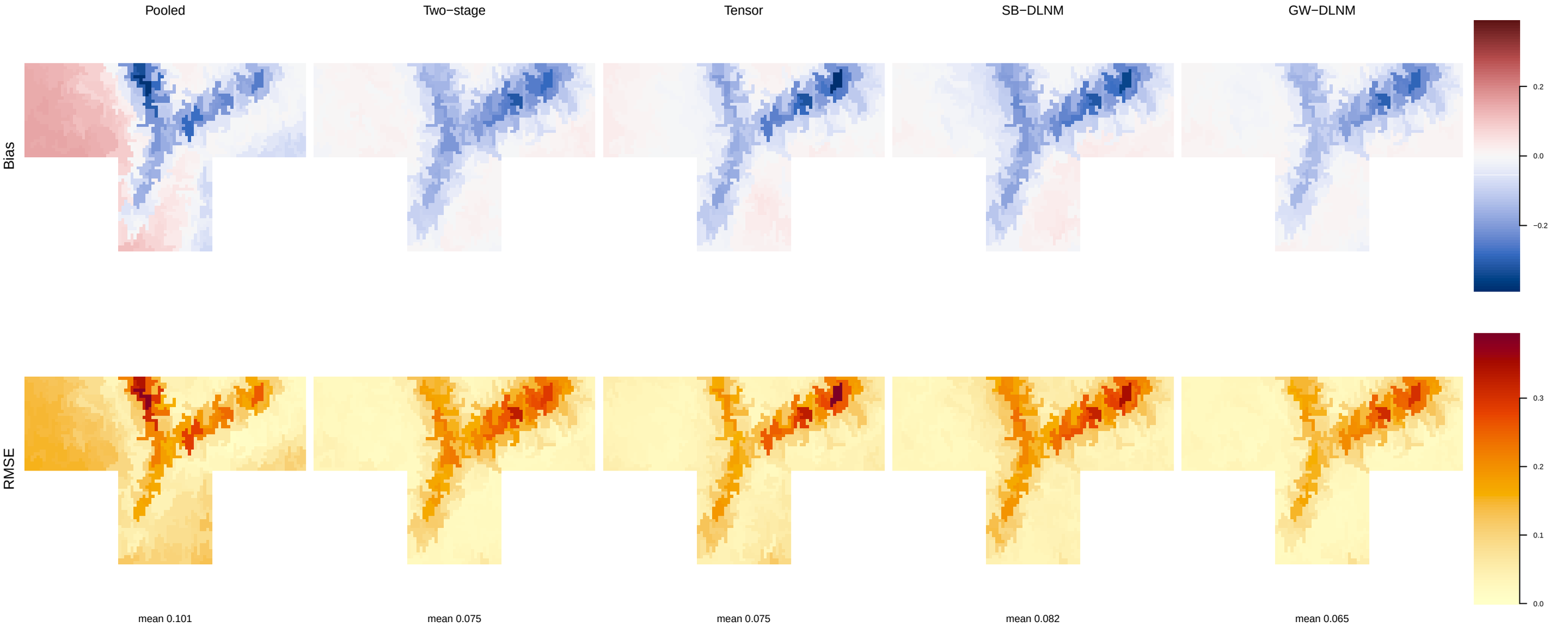
Scenario 908: T−shaped region, 240 counties, equal inequality, regional pattern, spread 0.50, edges gradient, unimodal exposure−response, event rate 2, RR 1.2, short lag



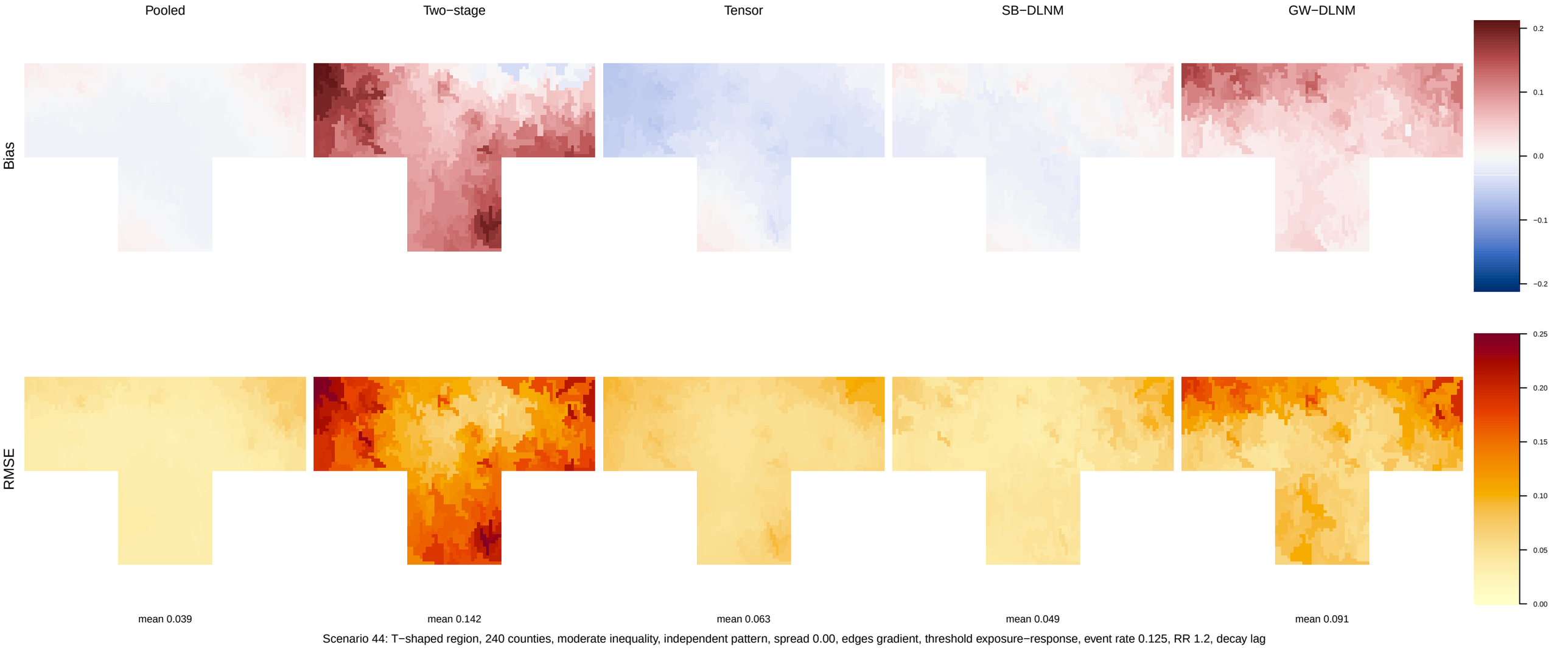
Scenario 844: T−shaped region, 240 counties, equal inequality, local pattern, spread 0.50, NS gradient, unimodal exposure−response, event rate 0.5, RR 1.6, harvest lag



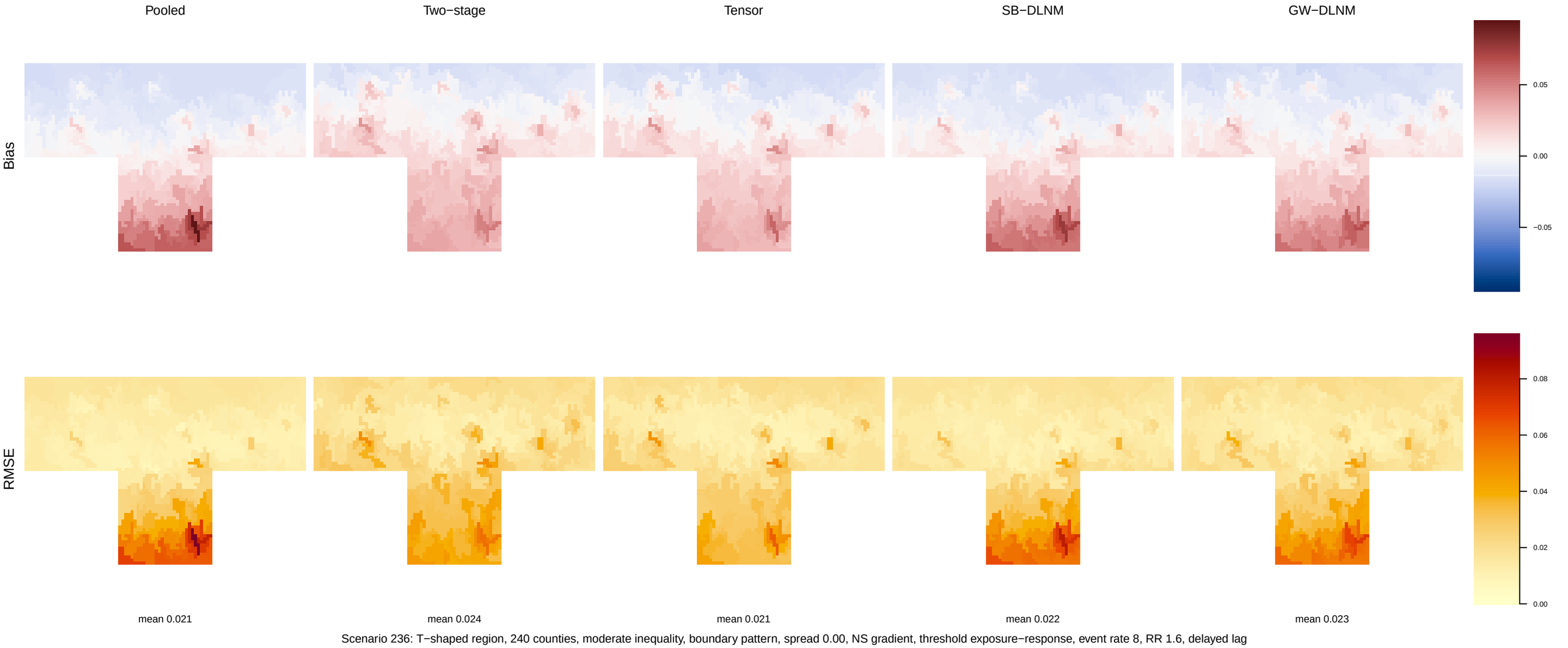
Scenario 780: T−shaped region, 240 counties, equal inequality, independent pattern, spread 0.50, ridge gradient, unimodal exposure−response, event rate 0.125, RR 1.0, delayed lag



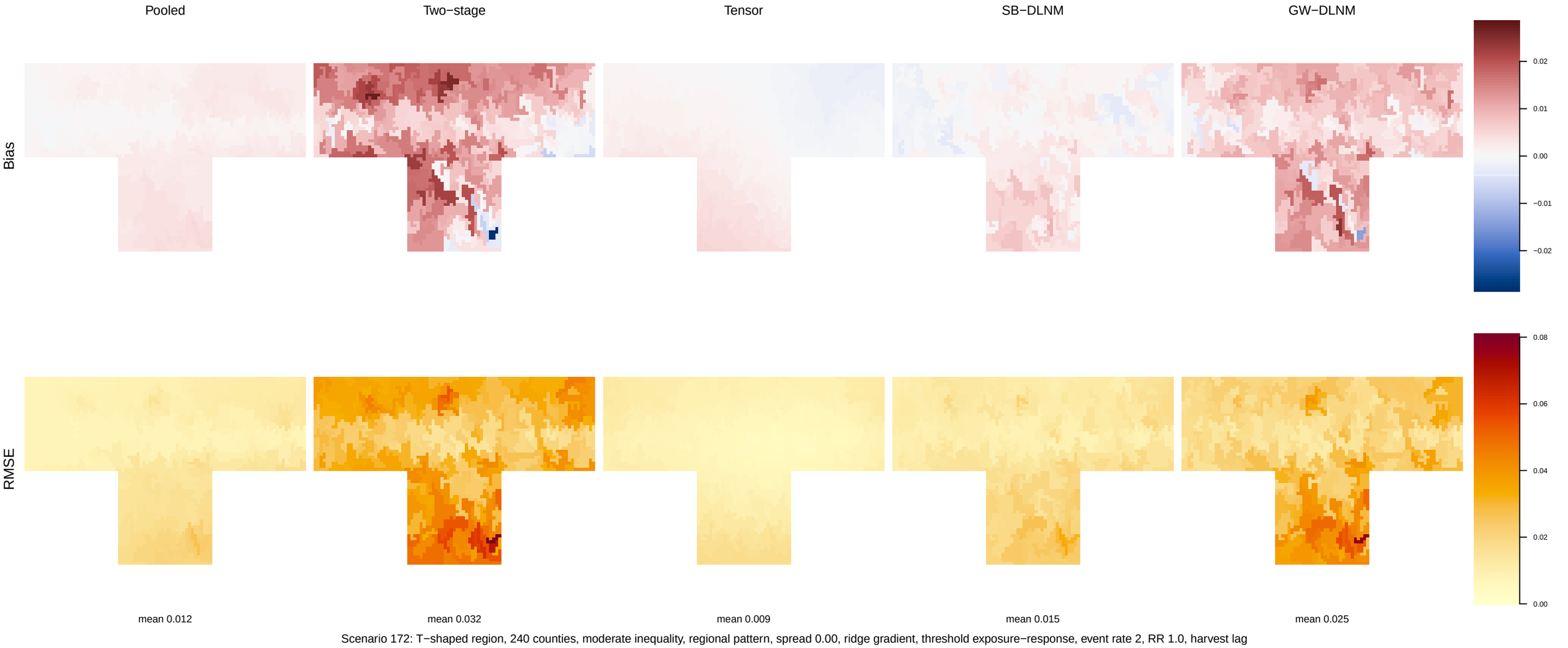
Scenario 972: T−shaped region, 240 counties, equal inequality, boundary pattern, spread 0.50, valley gradient, unimodal exposure−response, event rate 8, RR 1.4, decay lag



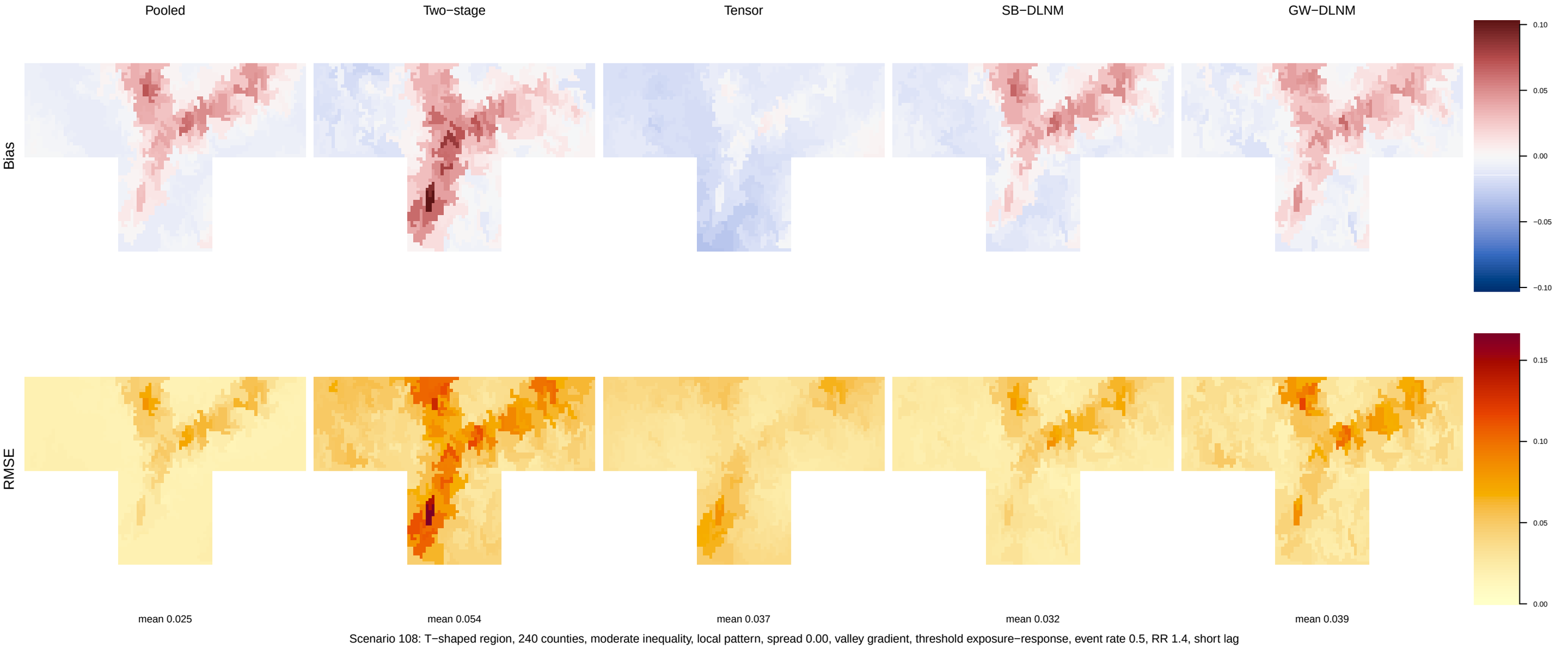
Scenario 44: T−shaped region, 240 counties, moderate inequality, independent pattern, spread 0.00, edges gradient, threshold exposure−response, event rate 0.125, RR 1.2, decay lag



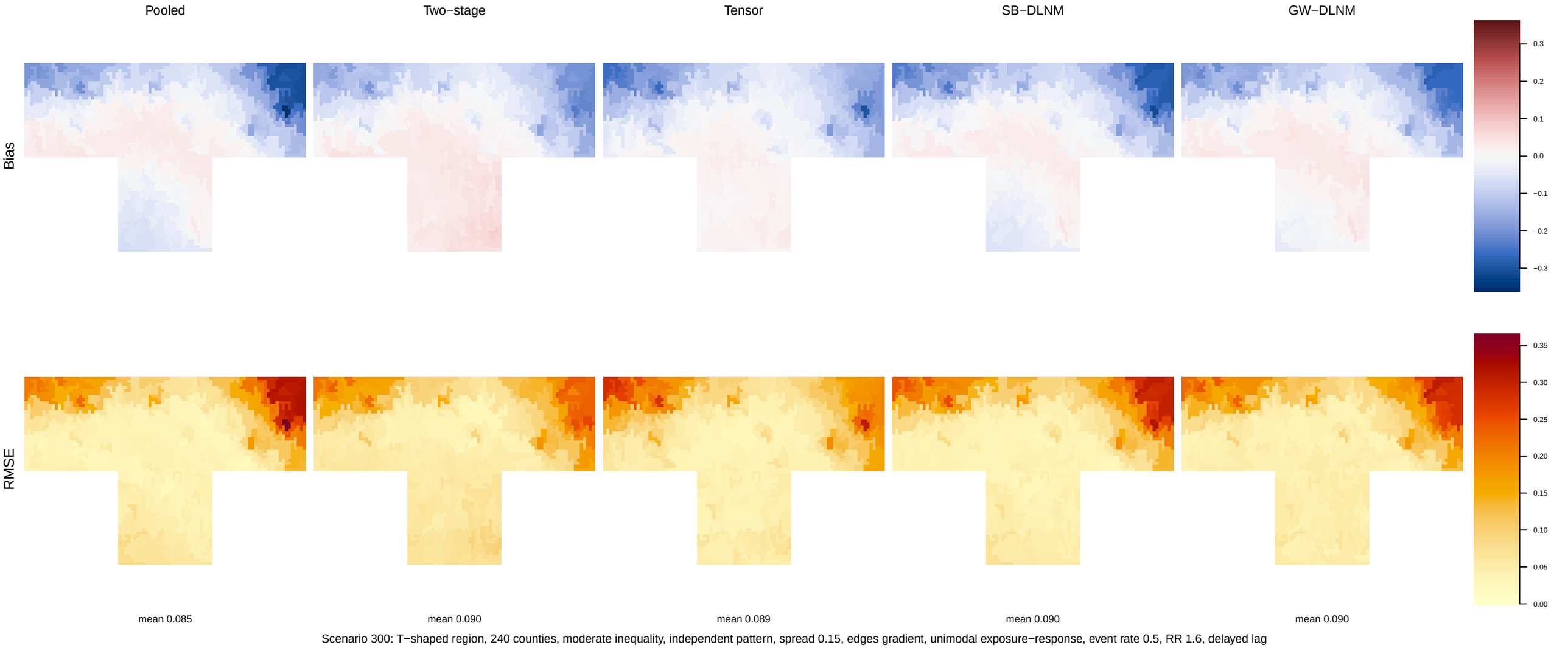
Scenario 236: T−shaped region, 240 counties, moderate inequality, boundary pattern, spread 0.00, NS gradient, threshold exposure−response, event rate 8, RR 1.6, delayed lag



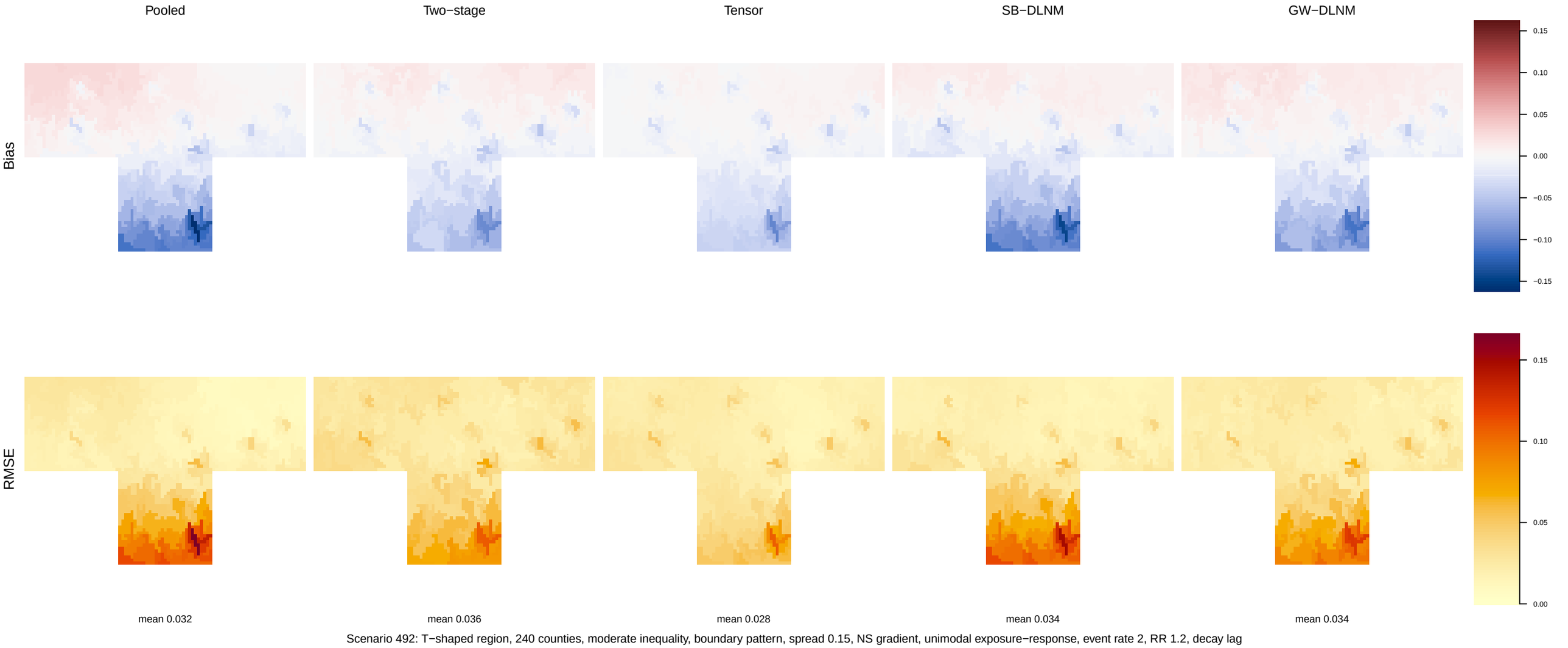
Scenario 172: T−shaped region, 240 counties, moderate inequality, regional pattern, spread 0.00, ridge gradient, threshold exposure−response, event rate 2, RR 1.0, harvest lag



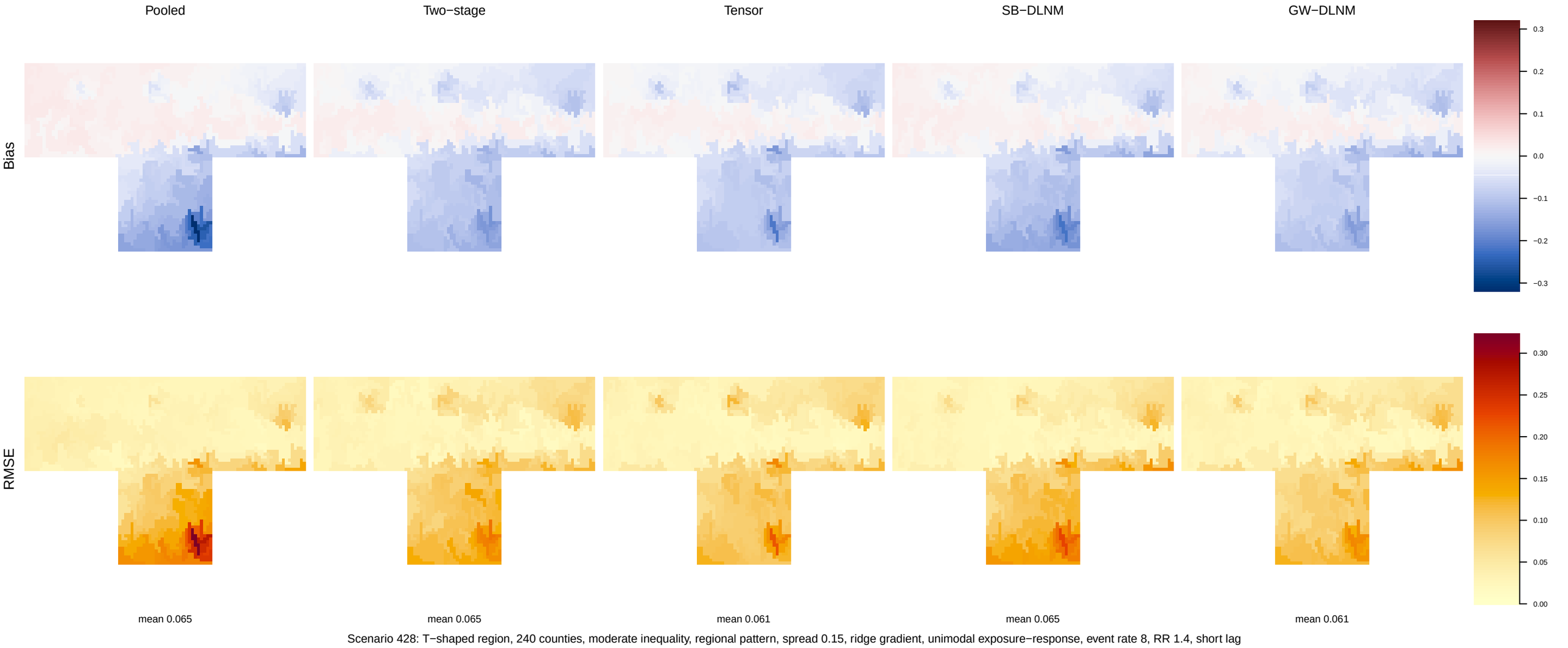
Scenario 108: T−shaped region, 240 counties, moderate inequality, local pattern, spread 0.00, valley gradient, threshold exposure−response, event rate 0.5, RR 1.4, short lag



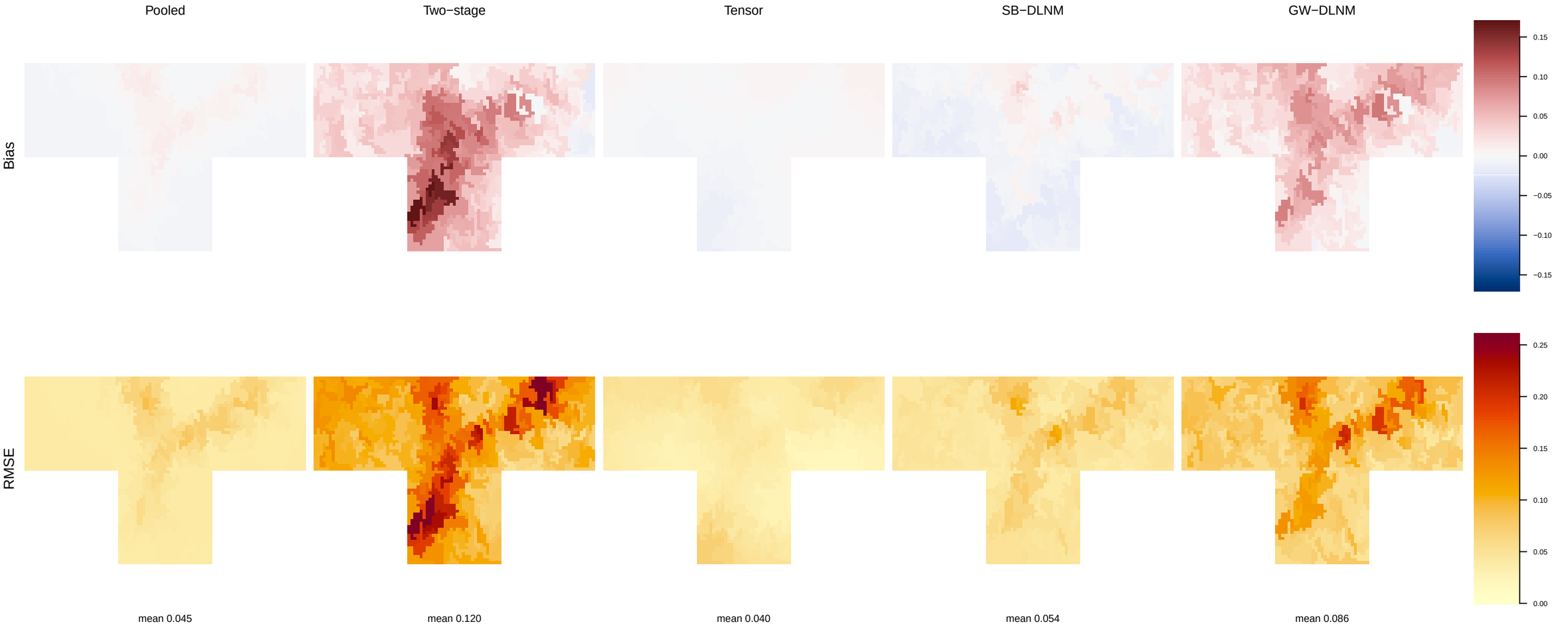
Scenario 300: T−shaped region, 240 counties, moderate inequality, independent pattern, spread 0.15, edges gradient, unimodal exposure−response, event rate 0.5, RR 1.6, delayed lag



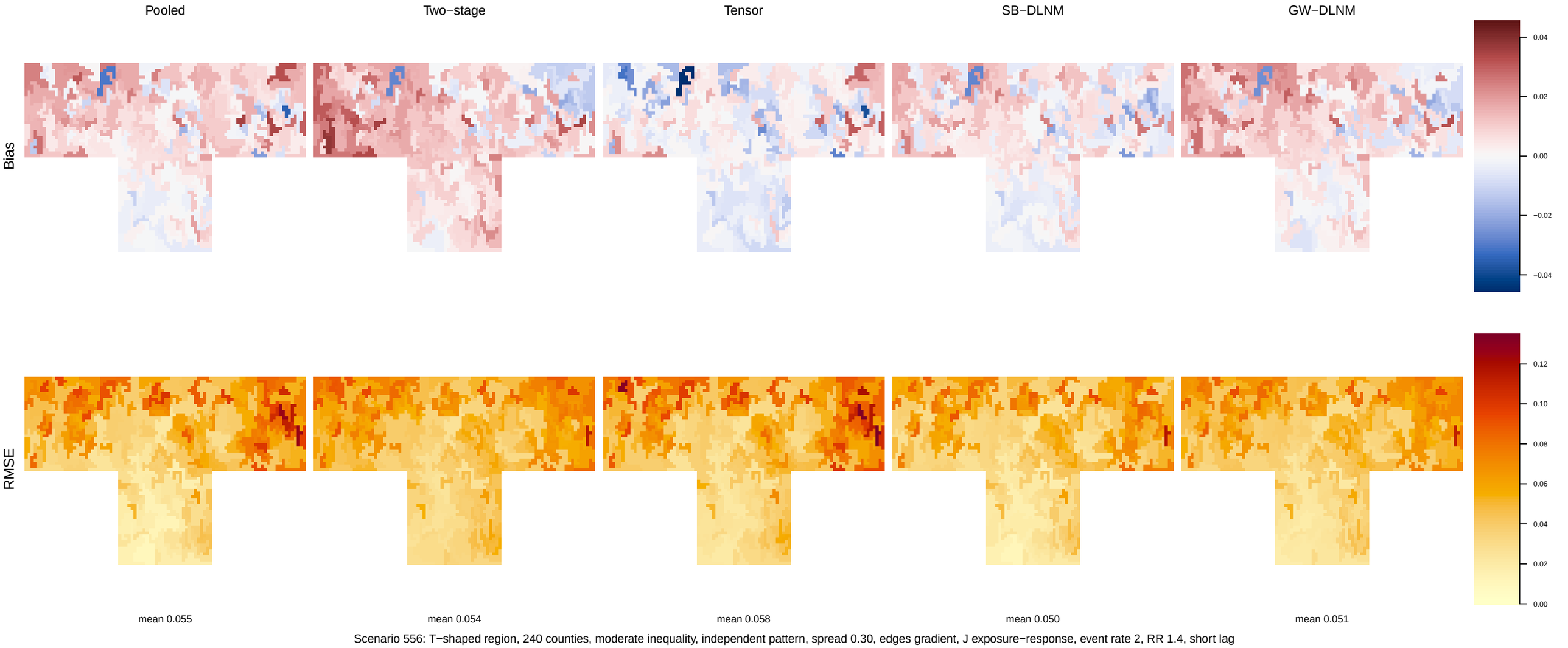
Scenario 492: T−shaped region, 240 counties, moderate inequality, boundary pattern, spread 0.15, NS gradient, unimodal exposure−response, event rate 2, RR 1.2, decay lag



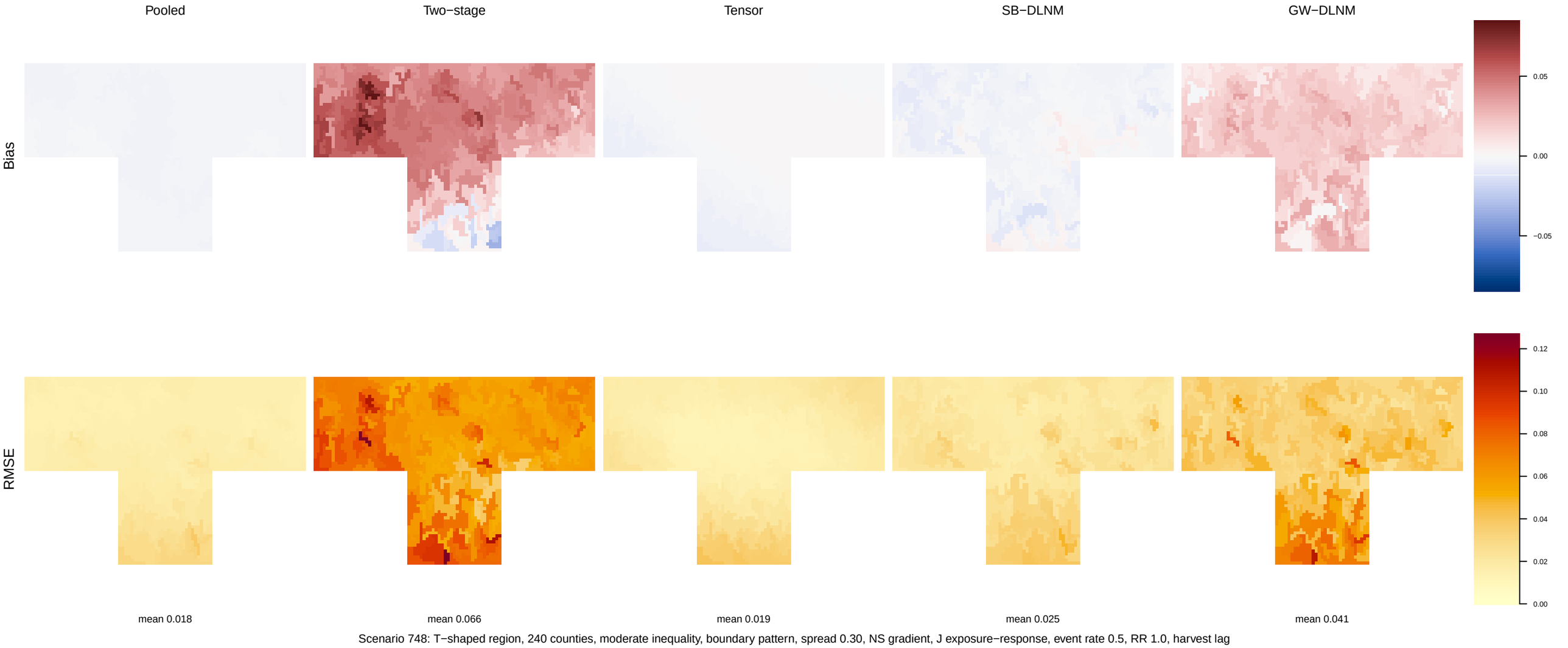
Scenario 428: T−shaped region, 240 counties, moderate inequality, regional pattern, spread 0.15, ridge gradient, unimodal exposure−response, event rate 8, RR 1.4, short lag



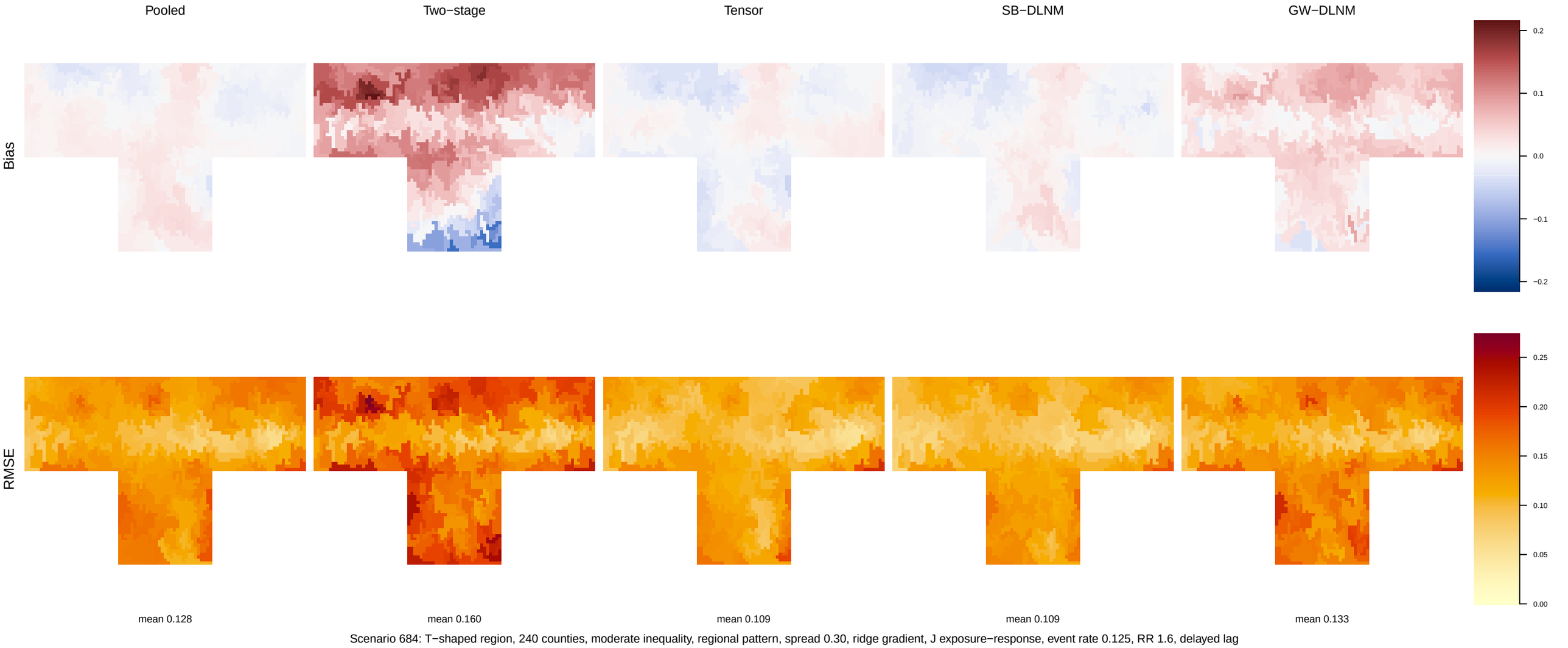
Scenario 364: T−shaped region, 240 counties, moderate inequality, local pattern, spread 0.15, valley gradient, unimodal exposure−response, event rate 0.125, RR 1.0, harvest lag



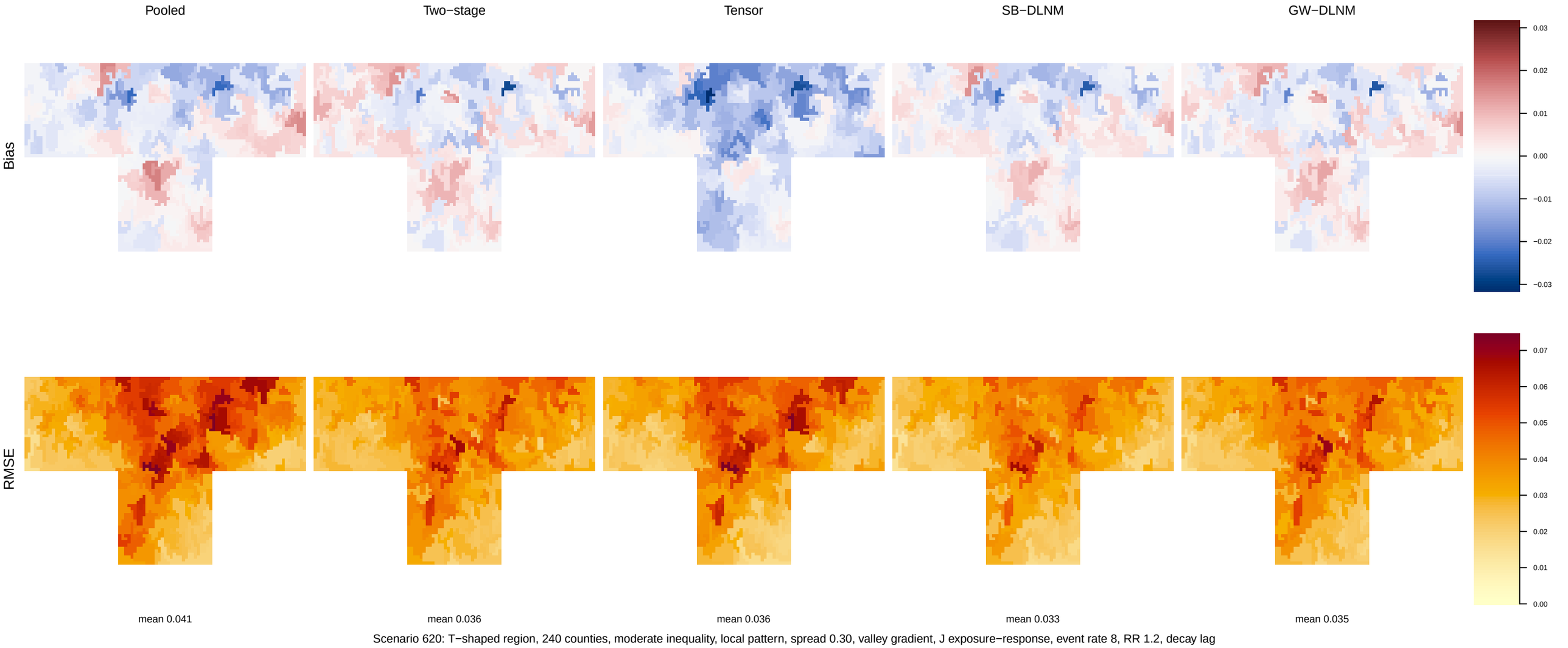
Scenario 556: T−shaped region, 240 counties, moderate inequality, independent pattern, spread 0.30, edges gradient, J exposure−response, event rate 2, RR 1.4, short lag



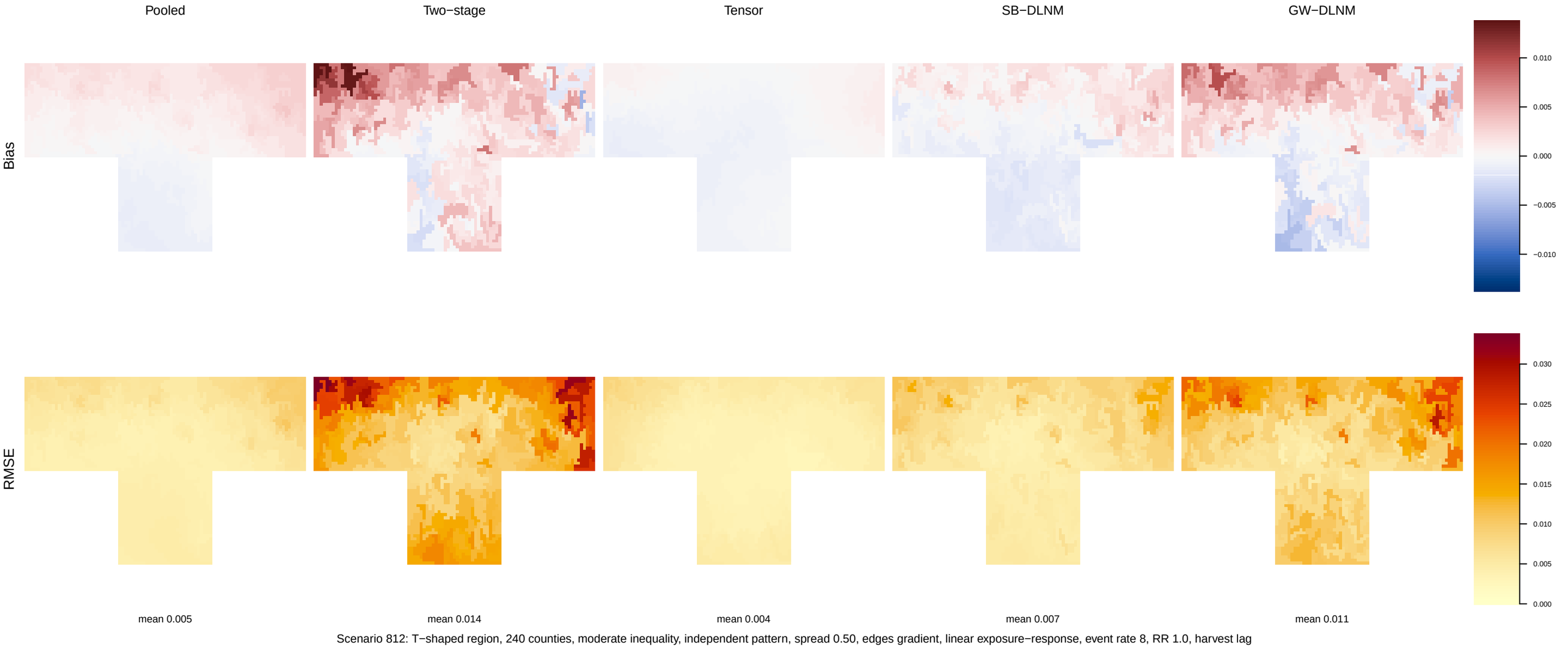
Scenario 748: T−shaped region, 240 counties, moderate inequality, boundary pattern, spread 0.30, NS gradient, J exposure−response, event rate 0.5, RR 1.0, harvest lag



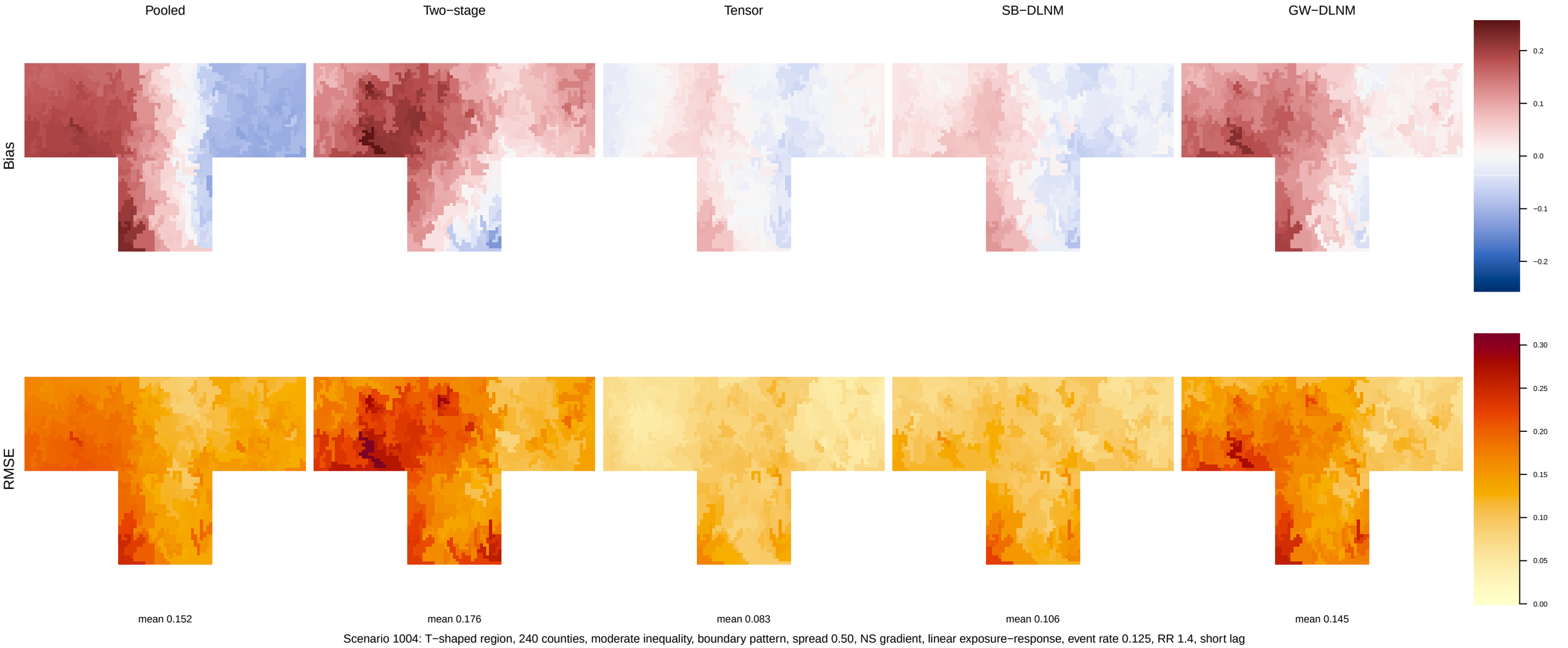
Scenario 684: T−shaped region, 240 counties, moderate inequality, regional pattern, spread 0.30, ridge gradient, J exposure−response, event rate 0.125, RR 1.6, delayed lag



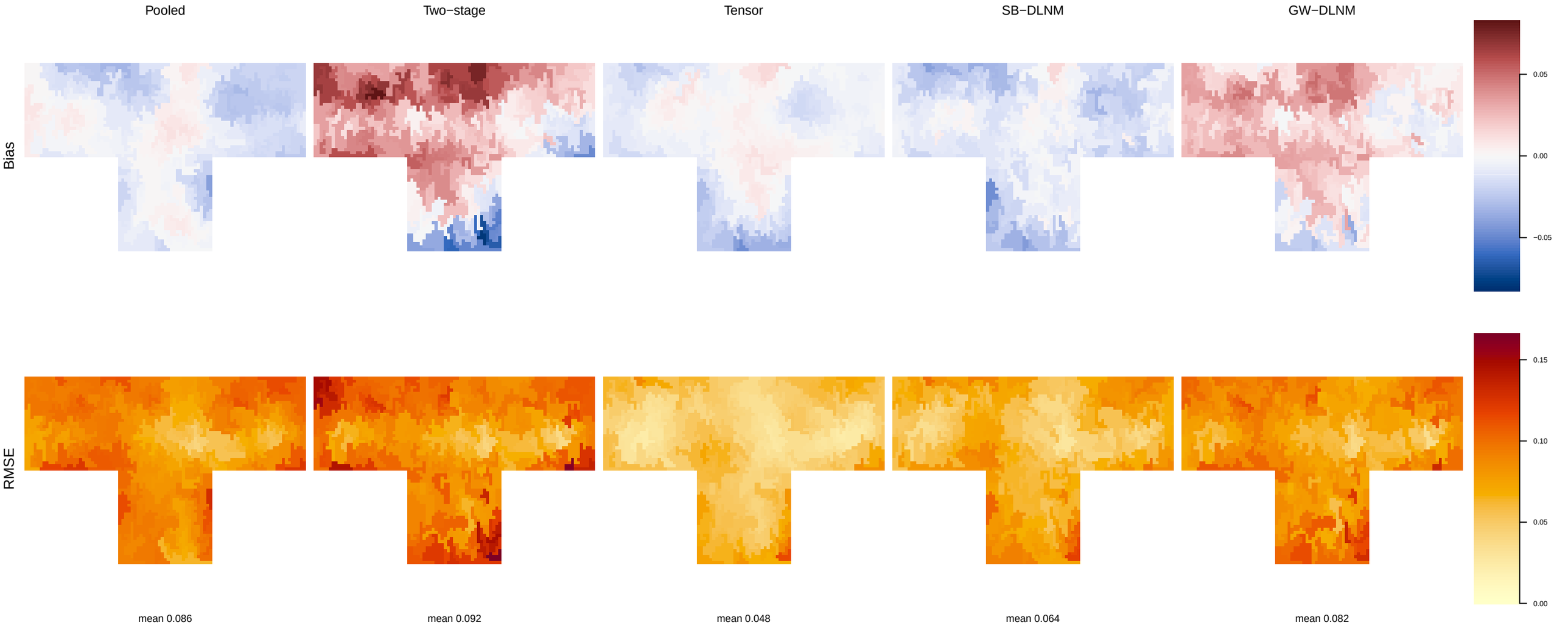
Scenario 620: T−shaped region, 240 counties, moderate inequality, local pattern, spread 0.30, valley gradient, J exposure−response, event rate 8, RR 1.2, decay lag



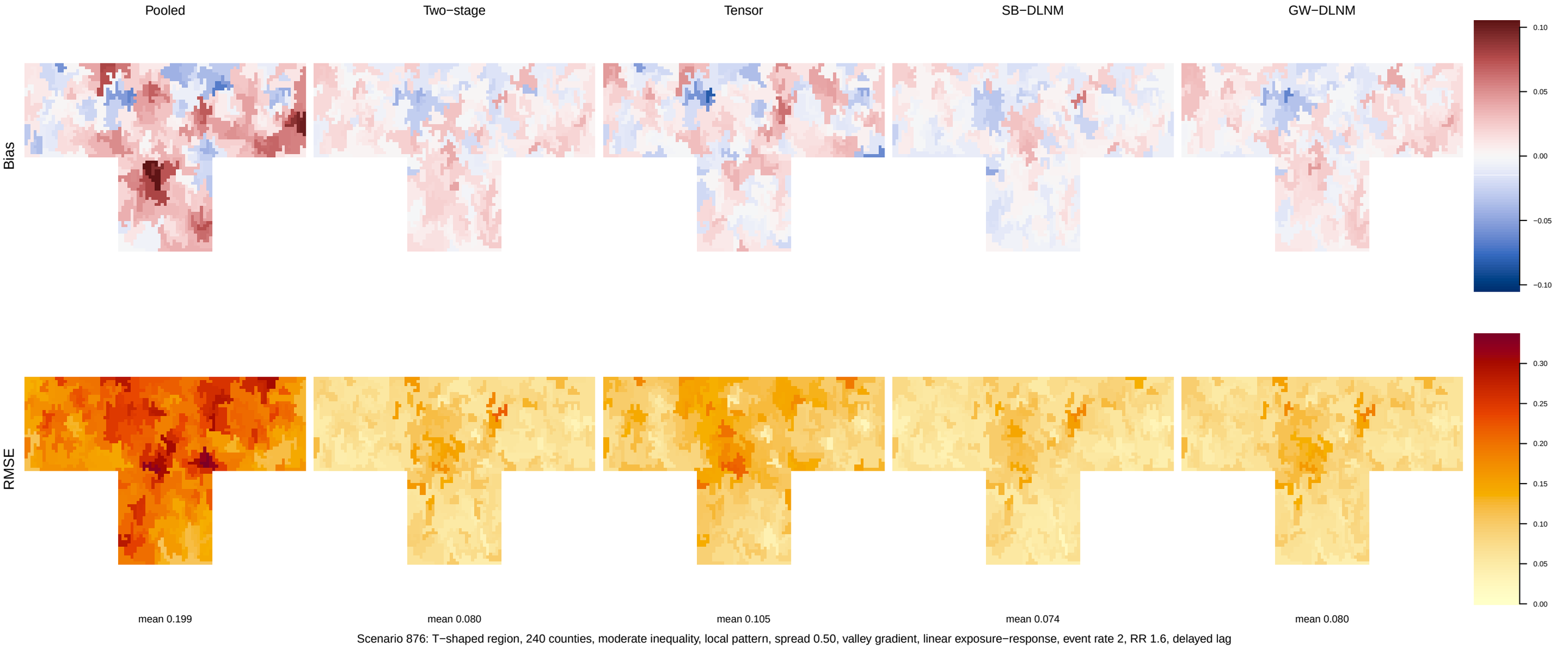
Scenario 812: T−shaped region, 240 counties, moderate inequality, independent pattern, spread 0.50, edges gradient, linear exposure−response, event rate 8, RR 1.0, harvest lag



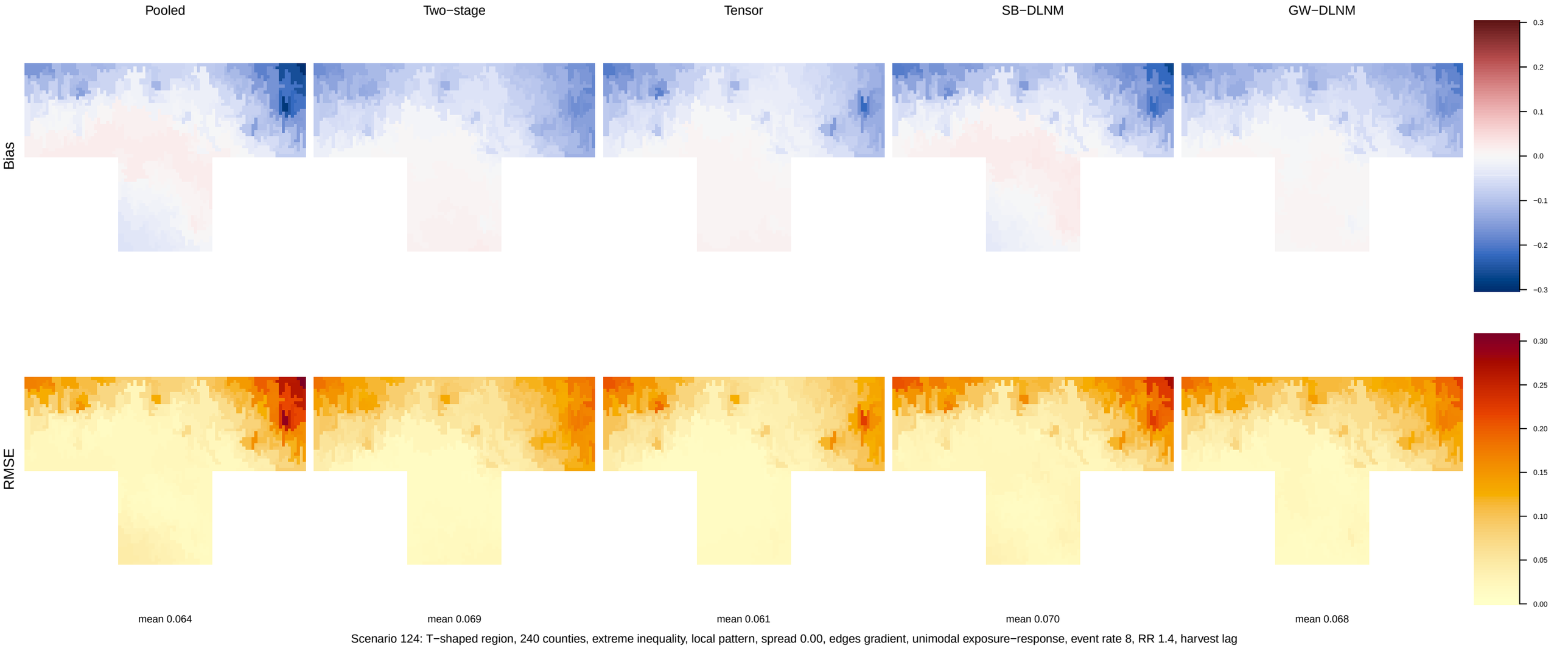
Scenario 1004: T−shaped region, 240 counties, moderate inequality, boundary pattern, spread 0.50, NS gradient, linear exposure−response, event rate 0.125, RR 1.4, short lag



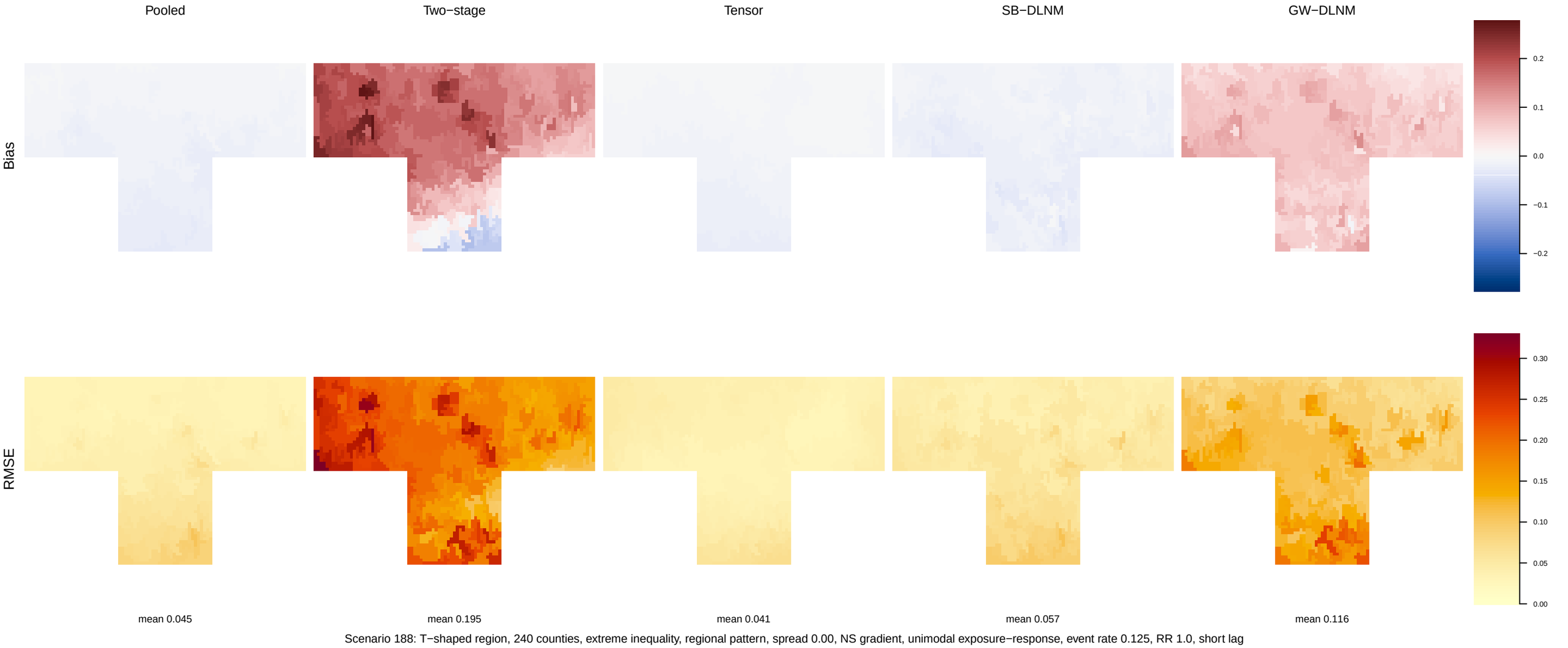
Scenario 940: T−shaped region, 240 counties, moderate inequality, regional pattern, spread 0.50, ridge gradient, linear exposure−response, event rate 0.5, RR 1.2, decay lag



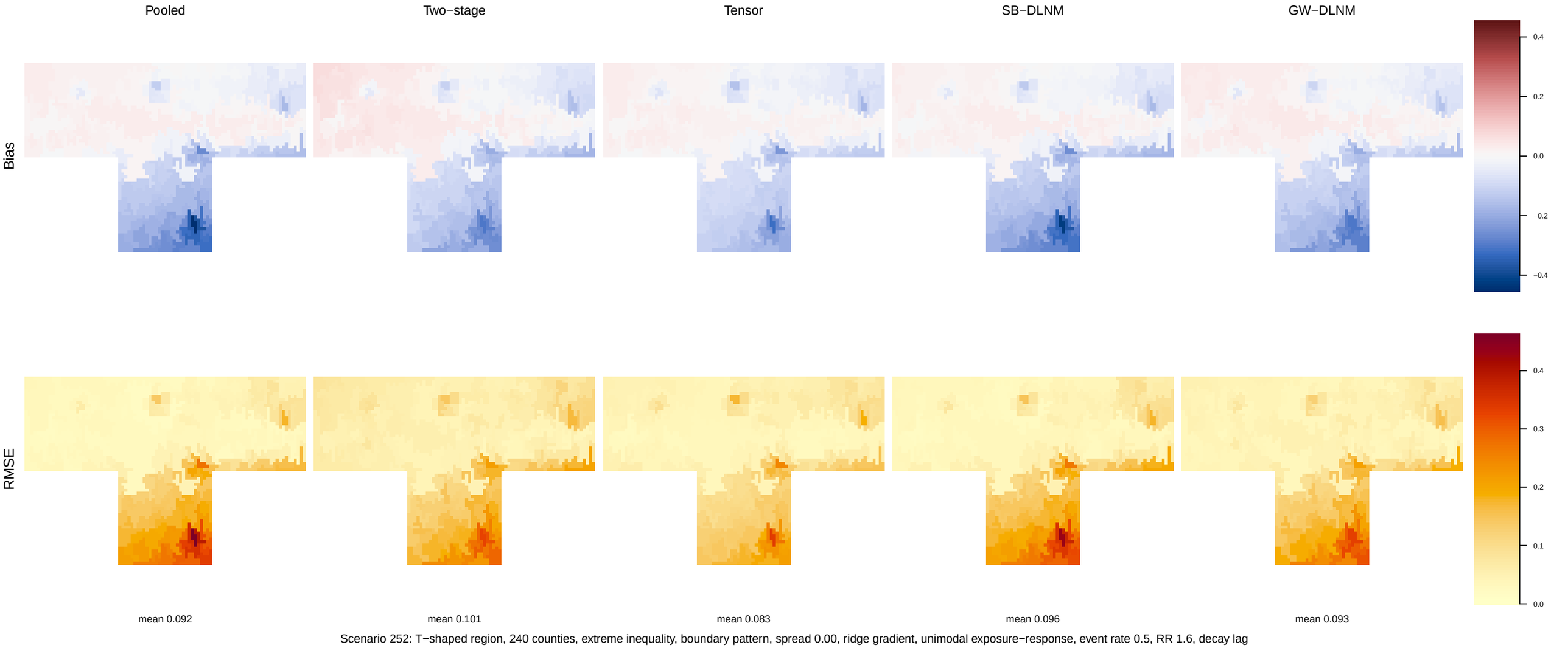
Scenario 876: T−shaped region, 240 counties, moderate inequality, local pattern, spread 0.50, valley gradient, linear exposure−response, event rate 2, RR 1.6, delayed lag



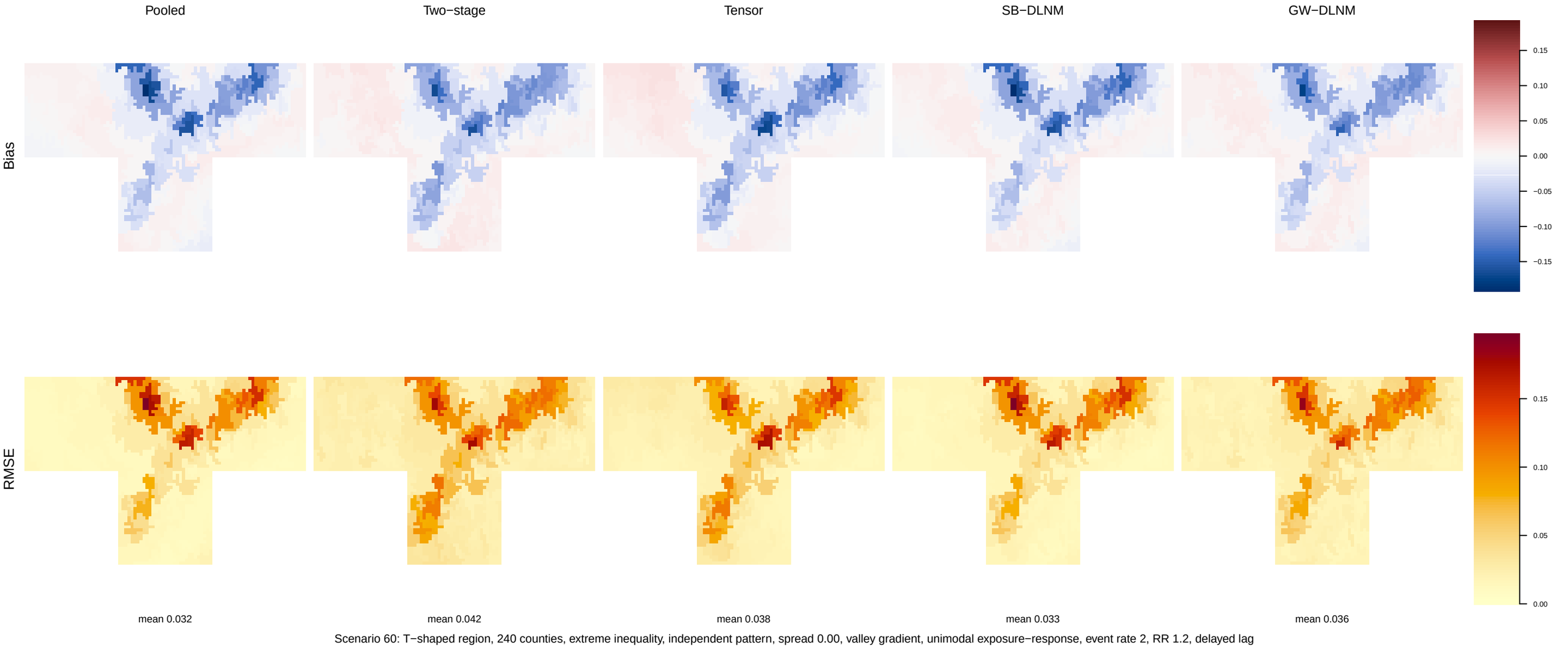
Scenario 124: T−shaped region, 240 counties, extreme inequality, local pattern, spread 0.00, edges gradient, unimodal exposure−response, event rate 8, RR 1.4, harvest lag



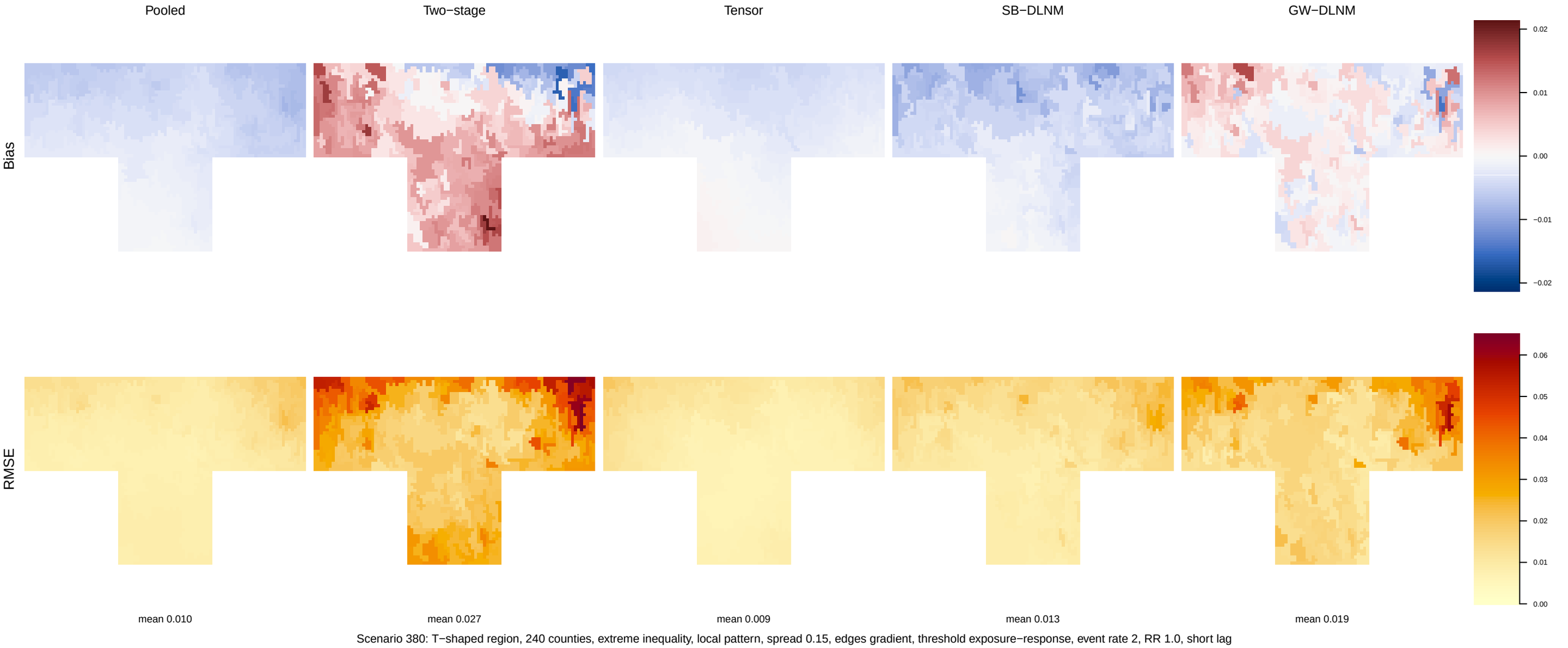
Scenario 188: T−shaped region, 240 counties, extreme inequality, regional pattern, spread 0.00, NS gradient, unimodal exposure−response, event rate 0.125, RR 1.0, short lag



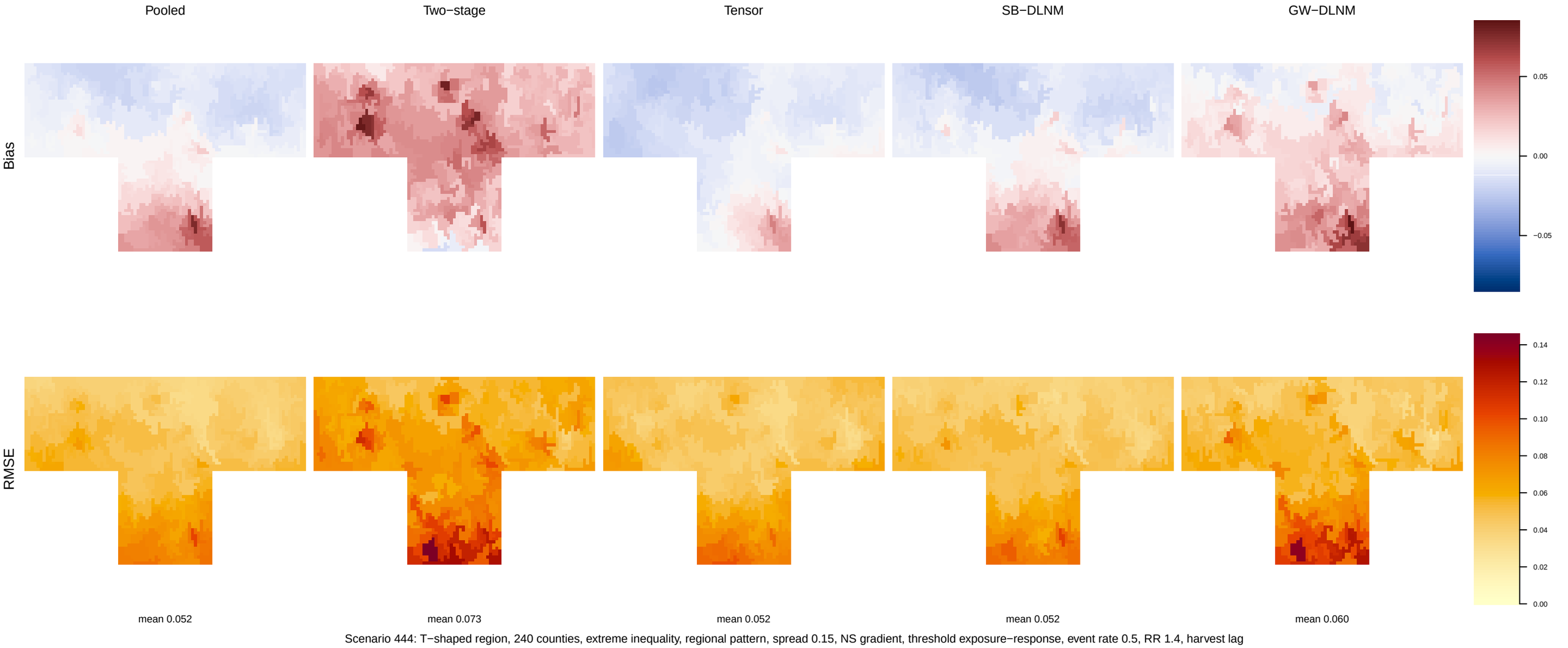
Scenario 252: T−shaped region, 240 counties, extreme inequality, boundary pattern, spread 0.00, ridge gradient, unimodal exposure−response, event rate 0.5, RR 1.6, decay lag



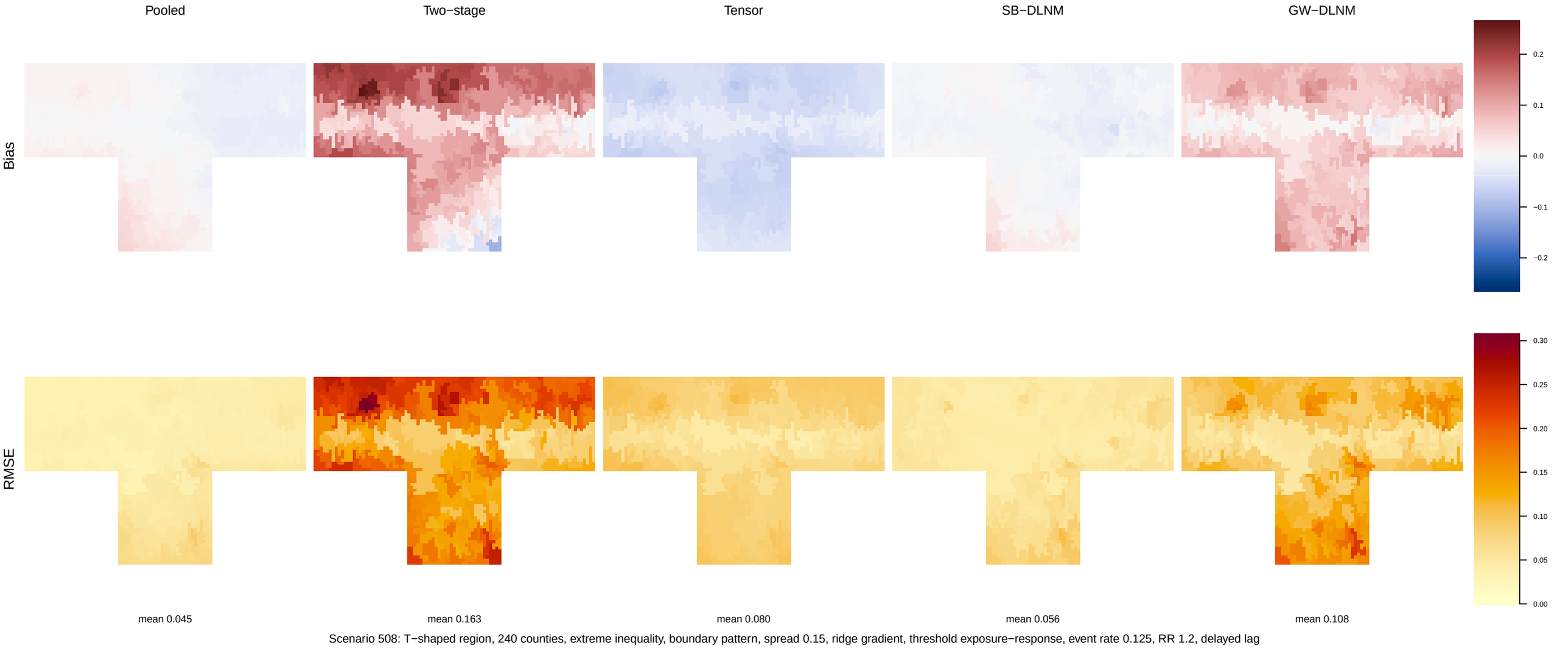
Scenario 60: T−shaped region, 240 counties, extreme inequality, independent pattern, spread 0.00, valley gradient, unimodal exposure−response, event rate 2, RR 1.2, delayed lag



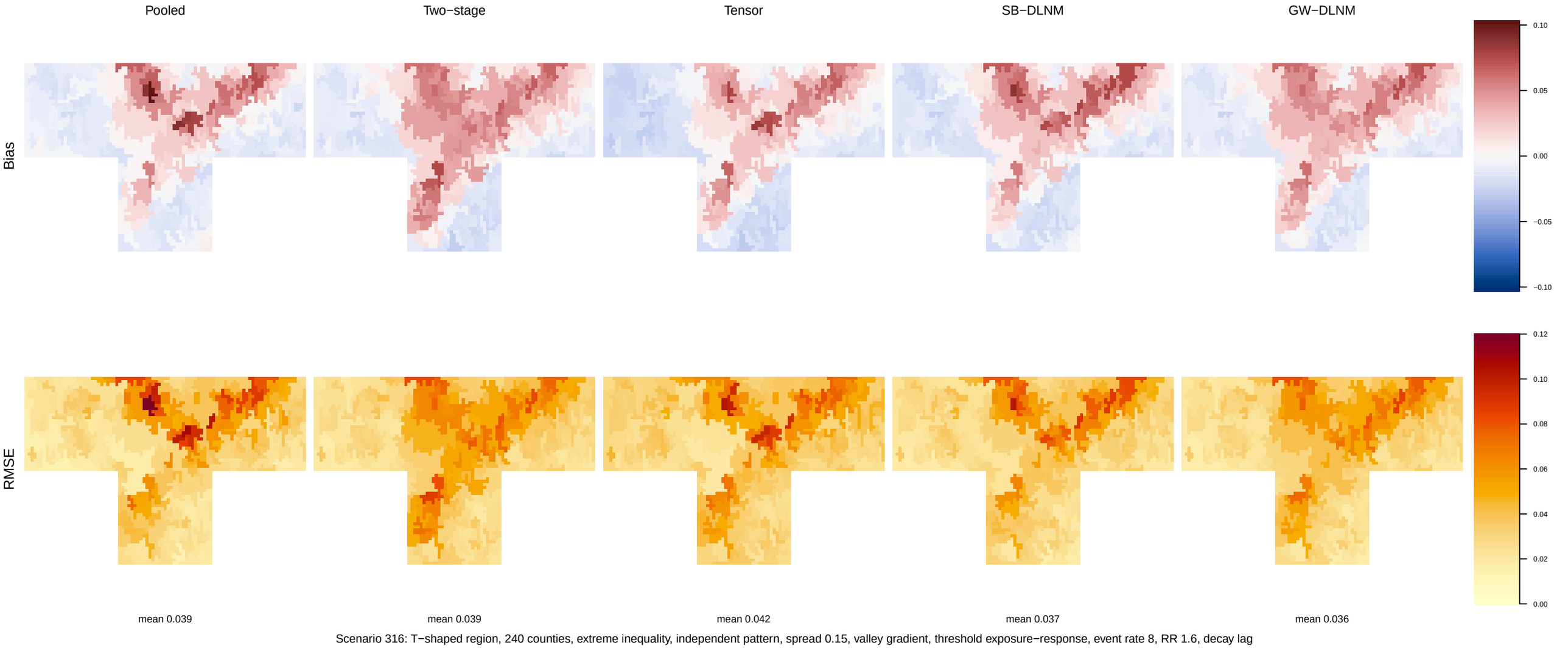
Scenario 380: T−shaped region, 240 counties, extreme inequality, local pattern, spread 0.15, edges gradient, threshold exposure−response, event rate 2, RR 1.0, short lag

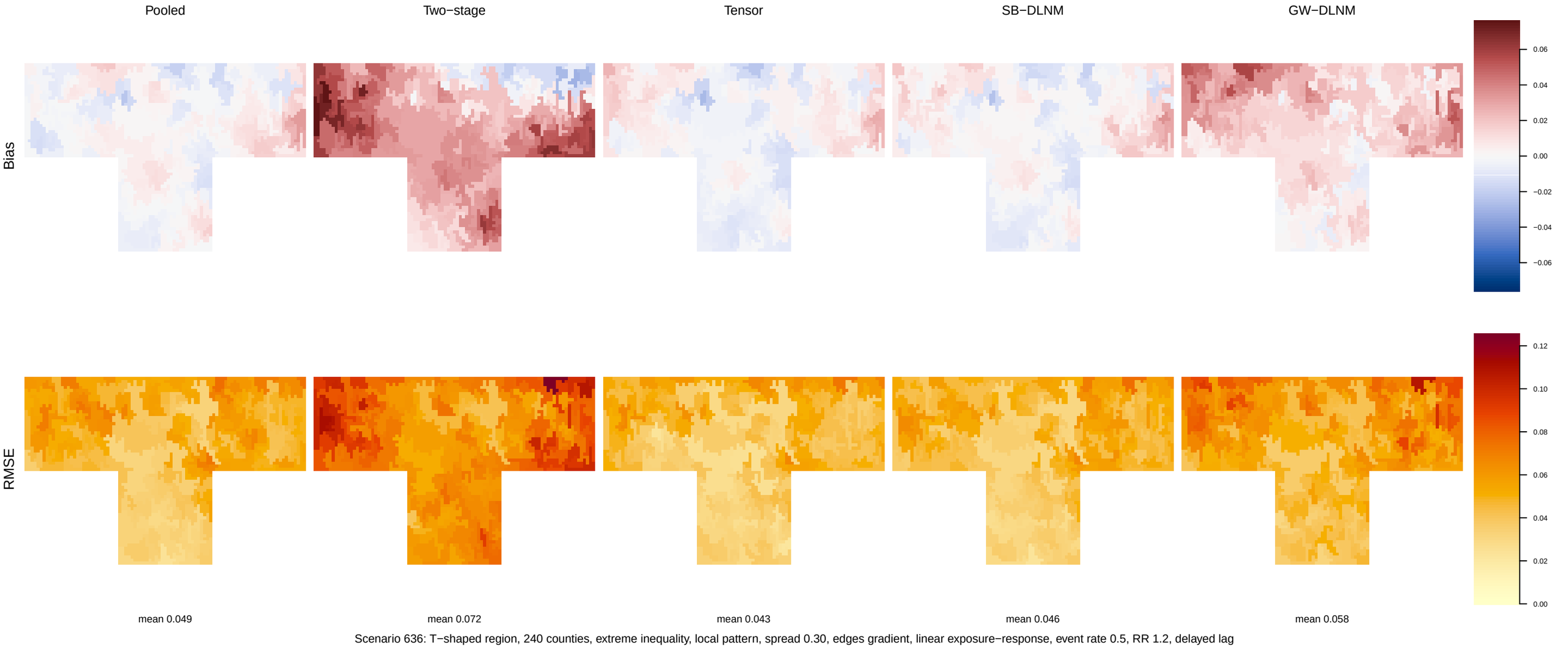


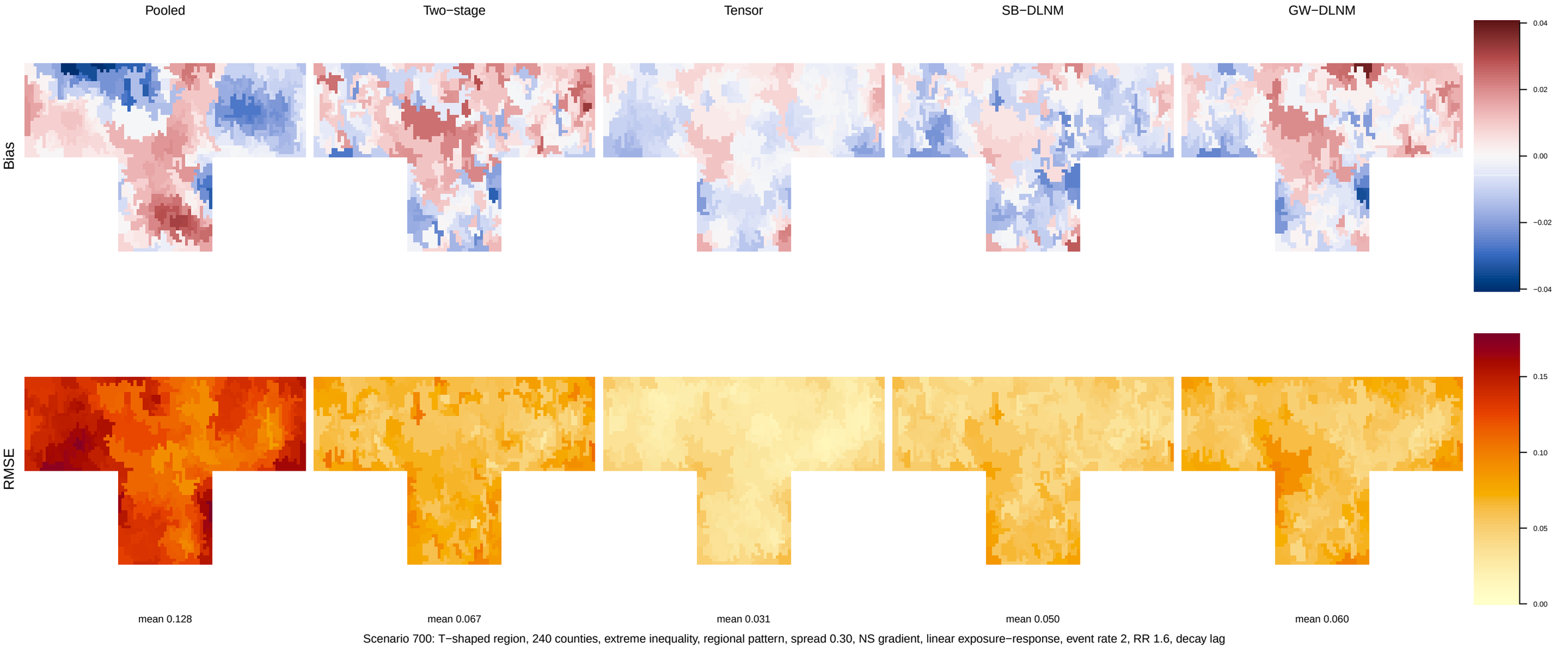
Scenario 444: T−shaped region, 240 counties, extreme inequality, regional pattern, spread 0.15, NS gradient, threshold exposure−response, event rate 0.5, RR 1.4, harvest lag



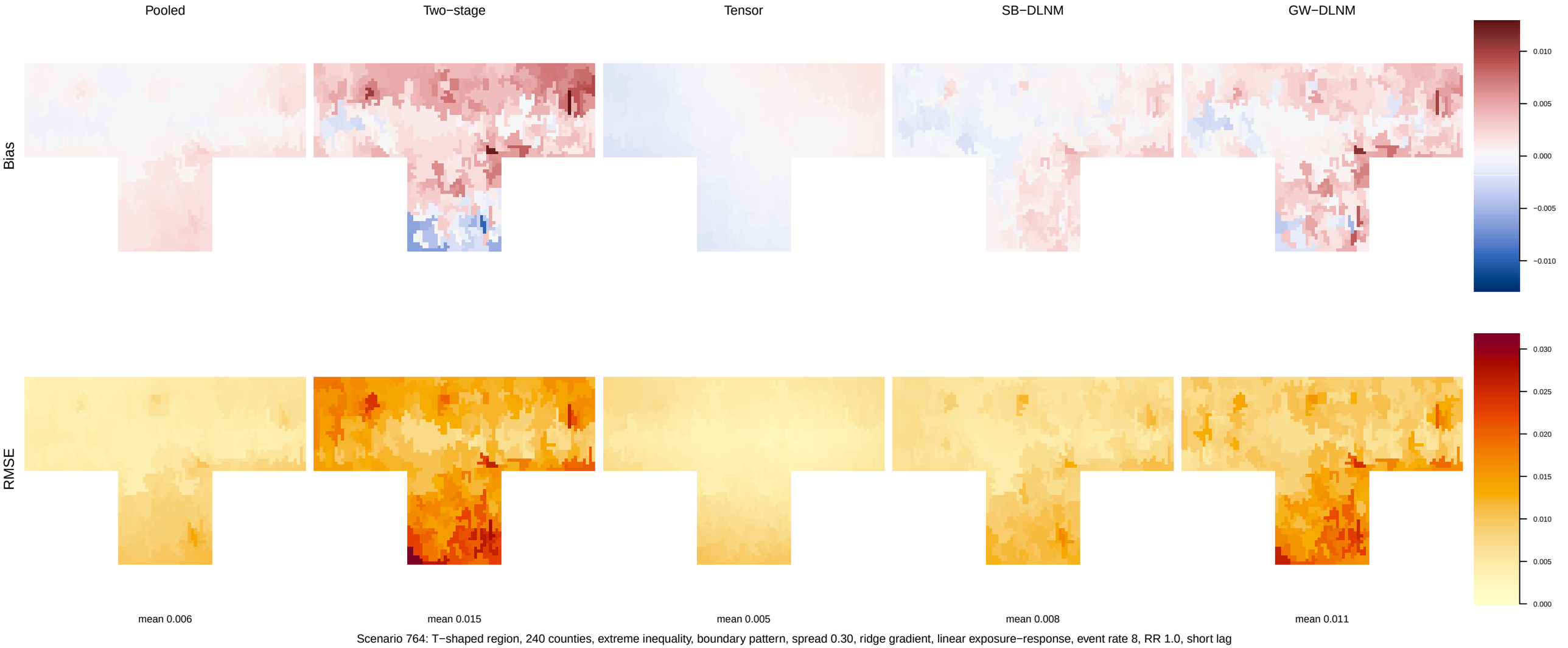
Scenario 508: T−shaped region, 240 counties, extreme inequality, boundary pattern, spread 0.15, ridge gradient, threshold exposure−response, event rate 0.125, RR 1.2, delayed lag


Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.10
0.05
0.00
−0.05
−0.10
0.12
0.10
0.08
0.06
0.04
0.02
0.00
mean 0.039
mean 0.039
mean 0.042
mean 0.037
mean 0.036
Scenario 316: T−shaped region, 240 counties, extreme inequality, independent pattern, spread 0.15, valley gradient, threshold exposure−response, event rate 8, RR 1.6, decay lag

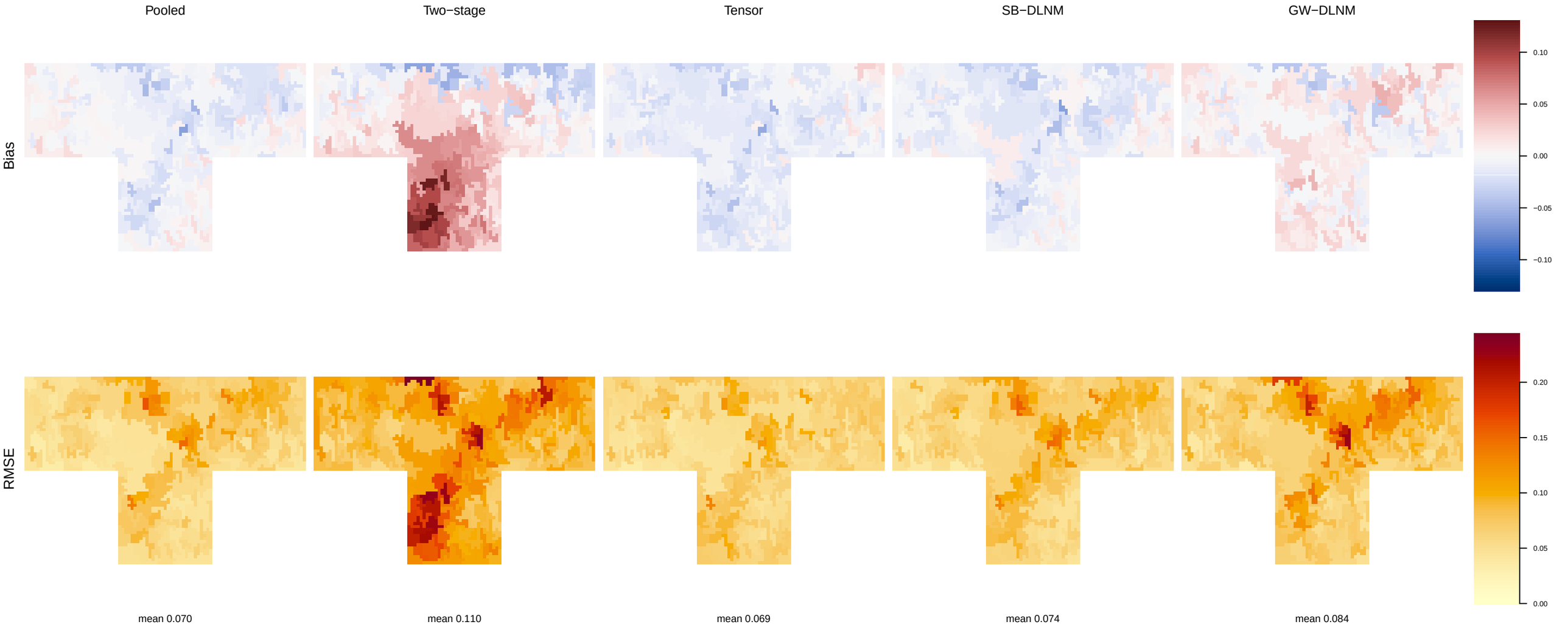

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
0.12
0.10
0.08
0.06
0.04
0.02
0.00
mean 0.049
mean 0.072
mean 0.043
mean 0.046
mean 0.058
Scenario 636: T−shaped region, 240 counties, extreme inequality, local pattern, spread 0.30, edges gradient, linear exposure−response, event rate 0.5, RR 1.2, delayed lag



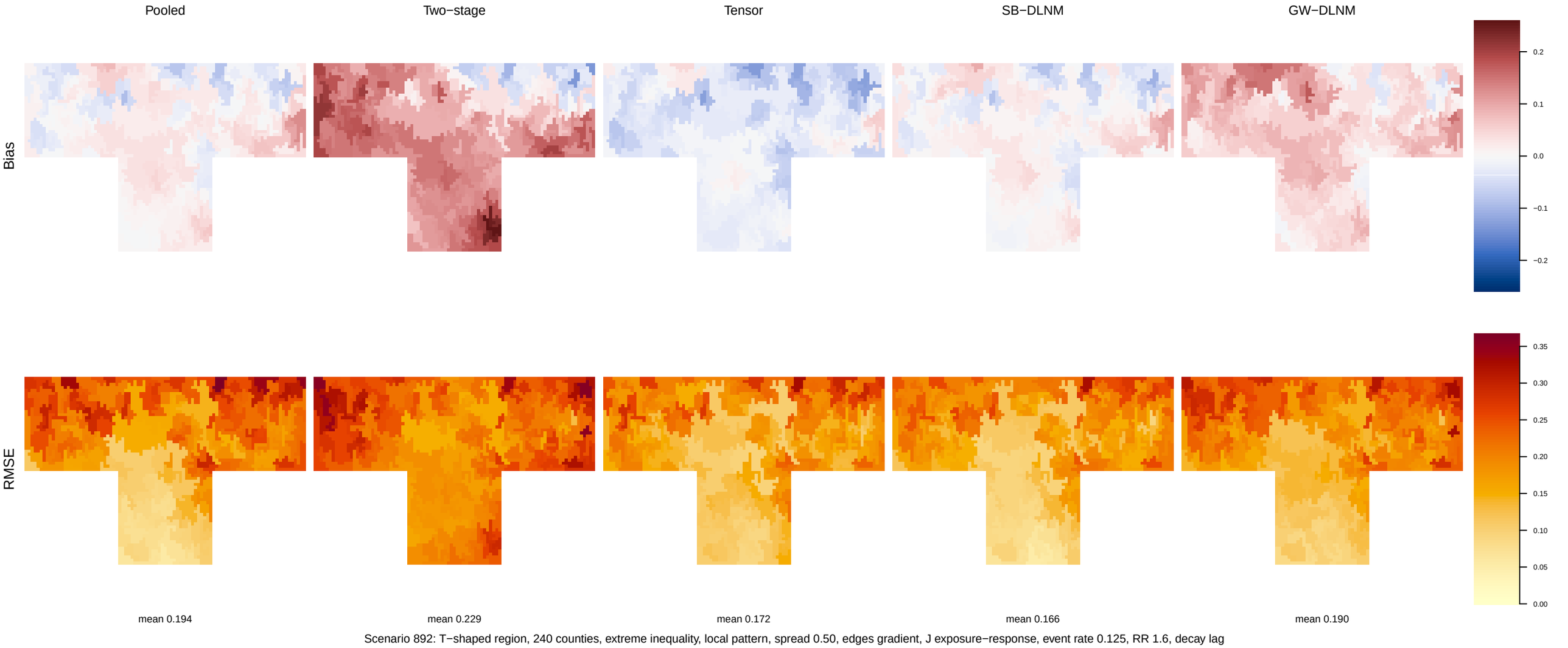
Scenario 700: T−shaped region, 240 counties, extreme inequality, regional pattern, spread 0.30, NS gradient, linear exposure−response, event rate 2, RR 1.6, decay lag



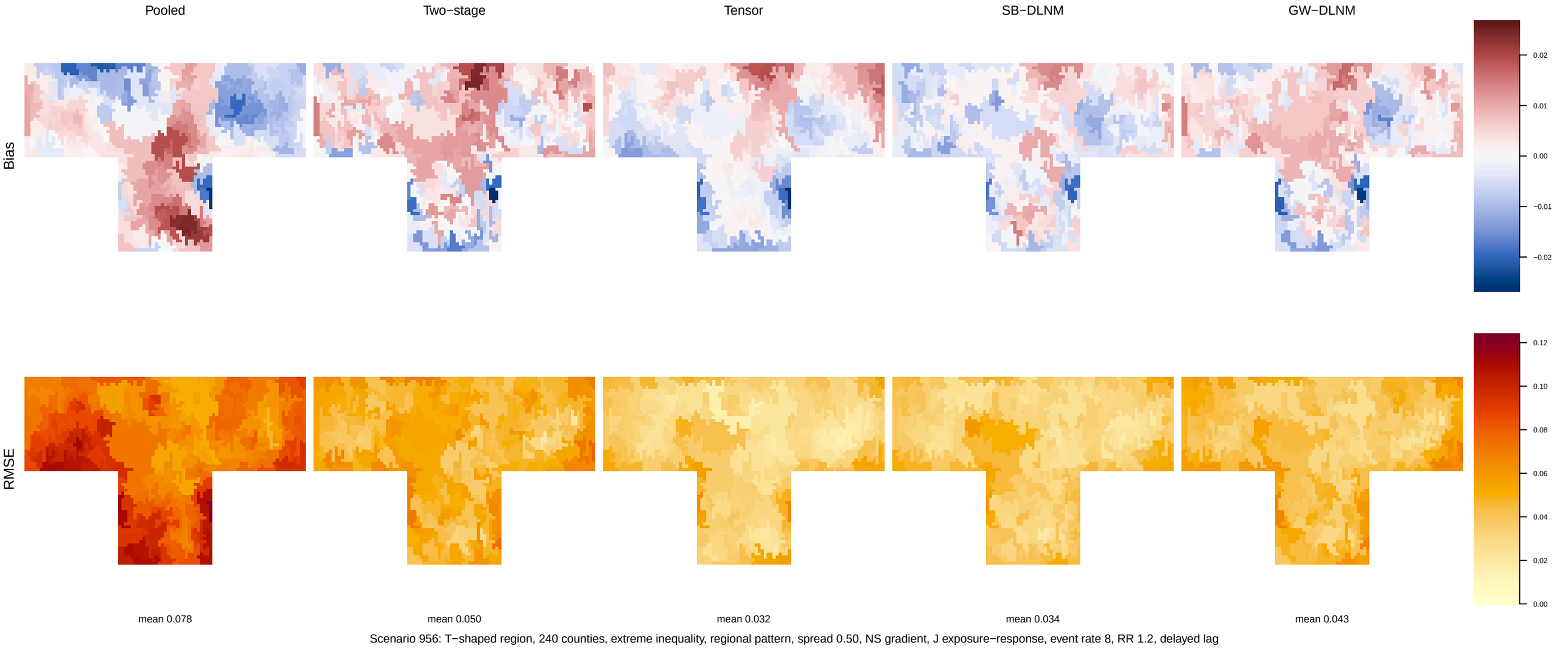
Scenario 764: T−shaped region, 240 counties, extreme inequality, boundary pattern, spread 0.30, ridge gradient, linear exposure−response, event rate 8, RR 1.0, short lag



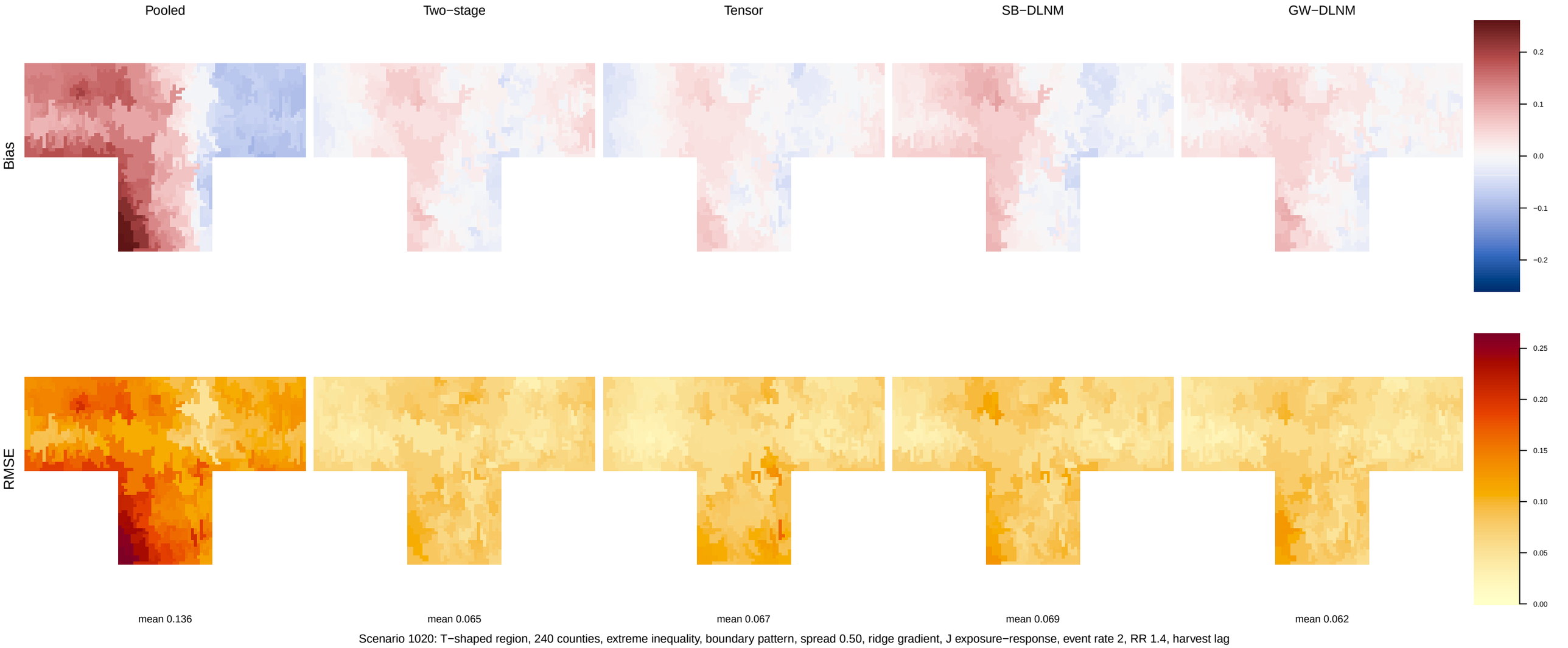
Scenario 572: T−shaped region, 240 counties, extreme inequality, independent pattern, spread 0.30, valley gradient, linear exposure−response, event rate 0.125, RR 1.4, harvest lag



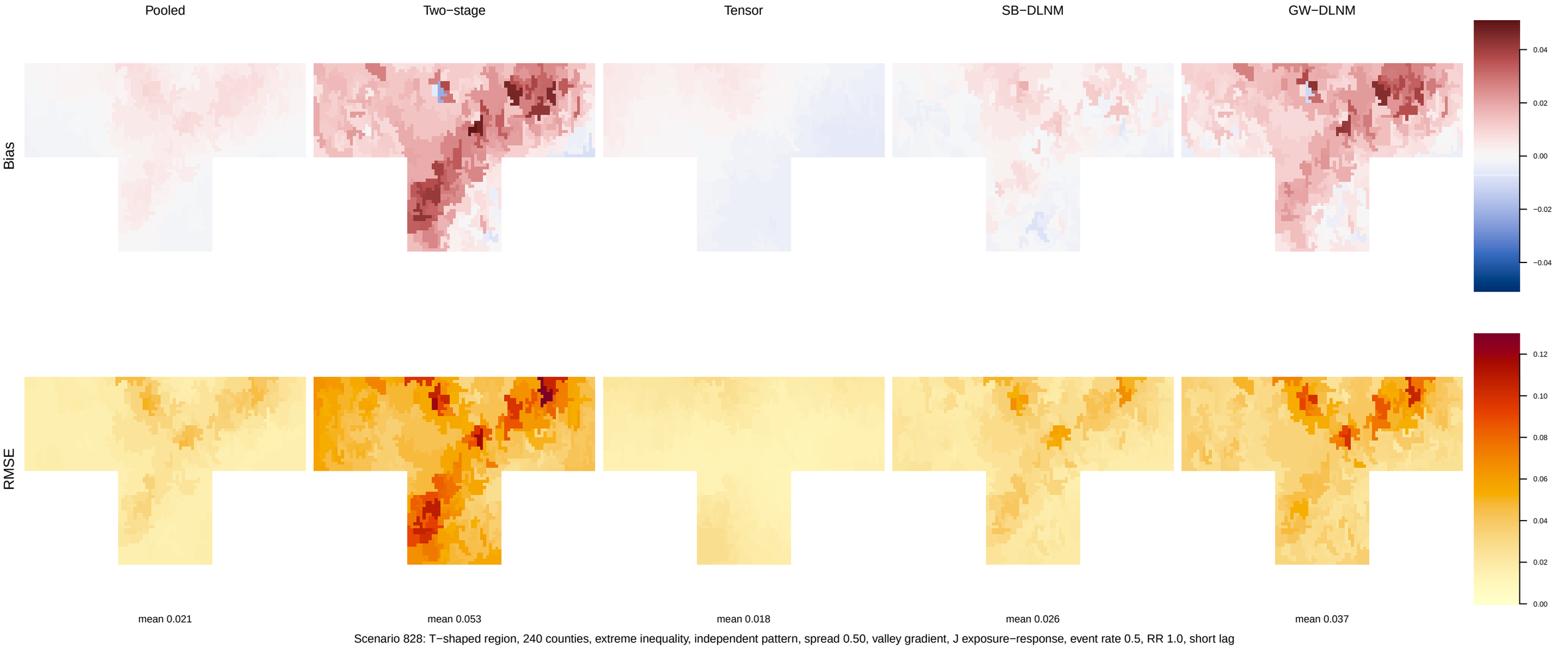
Scenario 892: T−shaped region, 240 counties, extreme inequality, local pattern, spread 0.50, edges gradient, J exposure−response, event rate 0.125, RR 1.6, decay lag



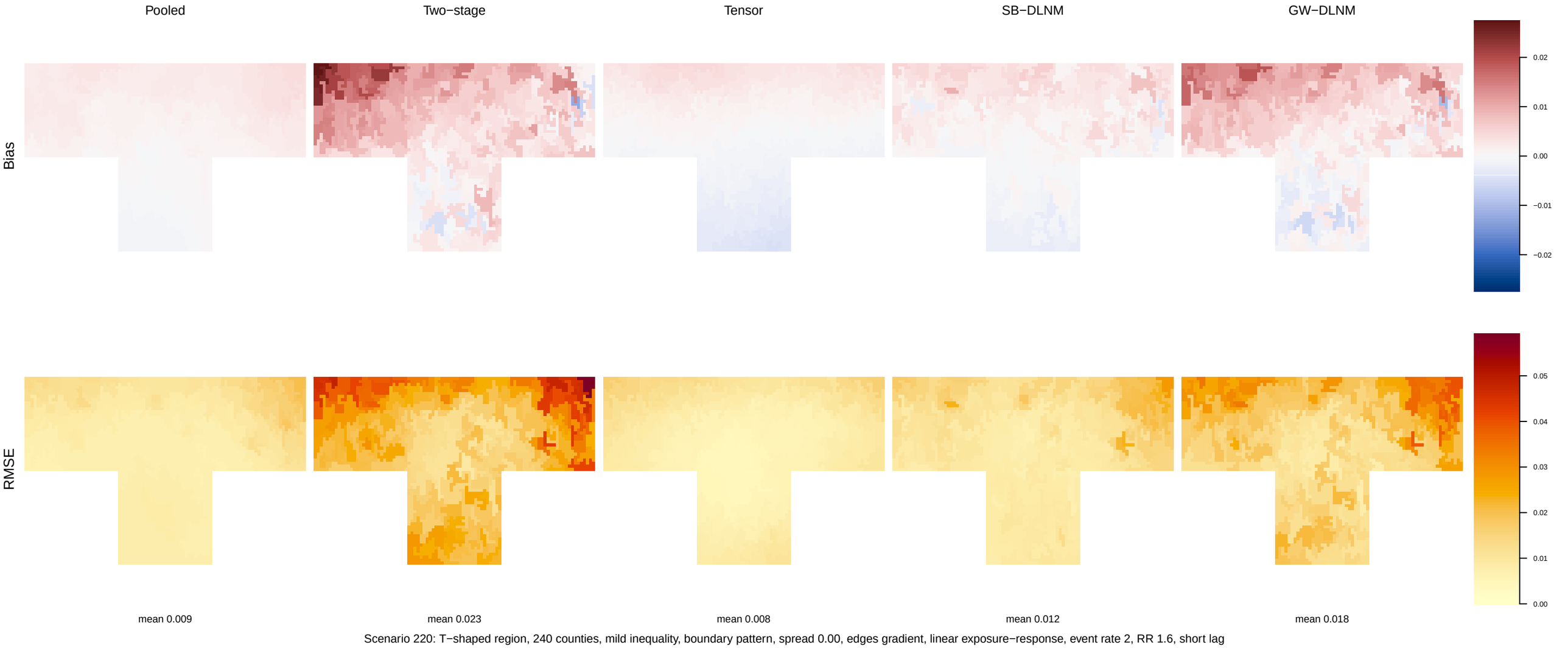
Scenario 956: T−shaped region, 240 counties, extreme inequality, regional pattern, spread 0.50, NS gradient, J exposure−response, event rate 8, RR 1.2, delayed lag



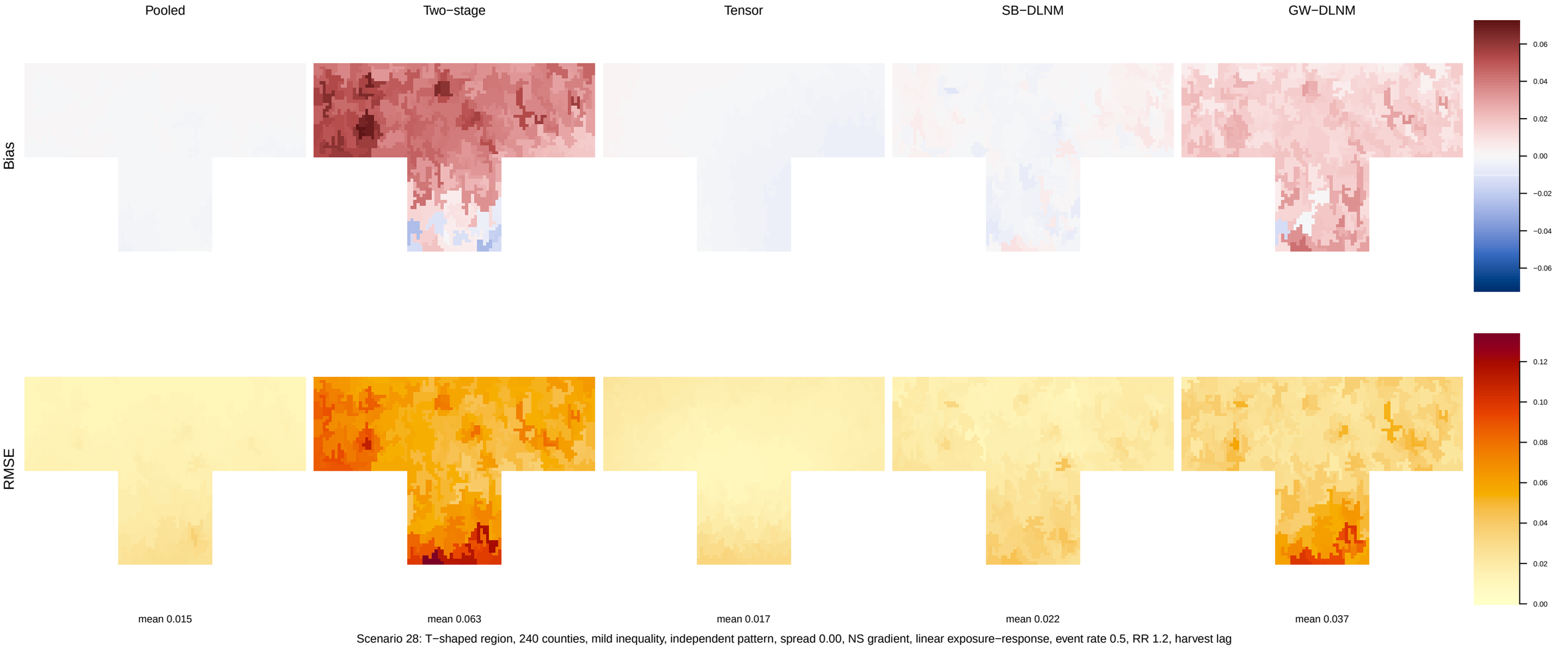
Scenario 1020: T−shaped region, 240 counties, extreme inequality, boundary pattern, spread 0.50, ridge gradient, J exposure−response, event rate 2, RR 1.4, harvest lag



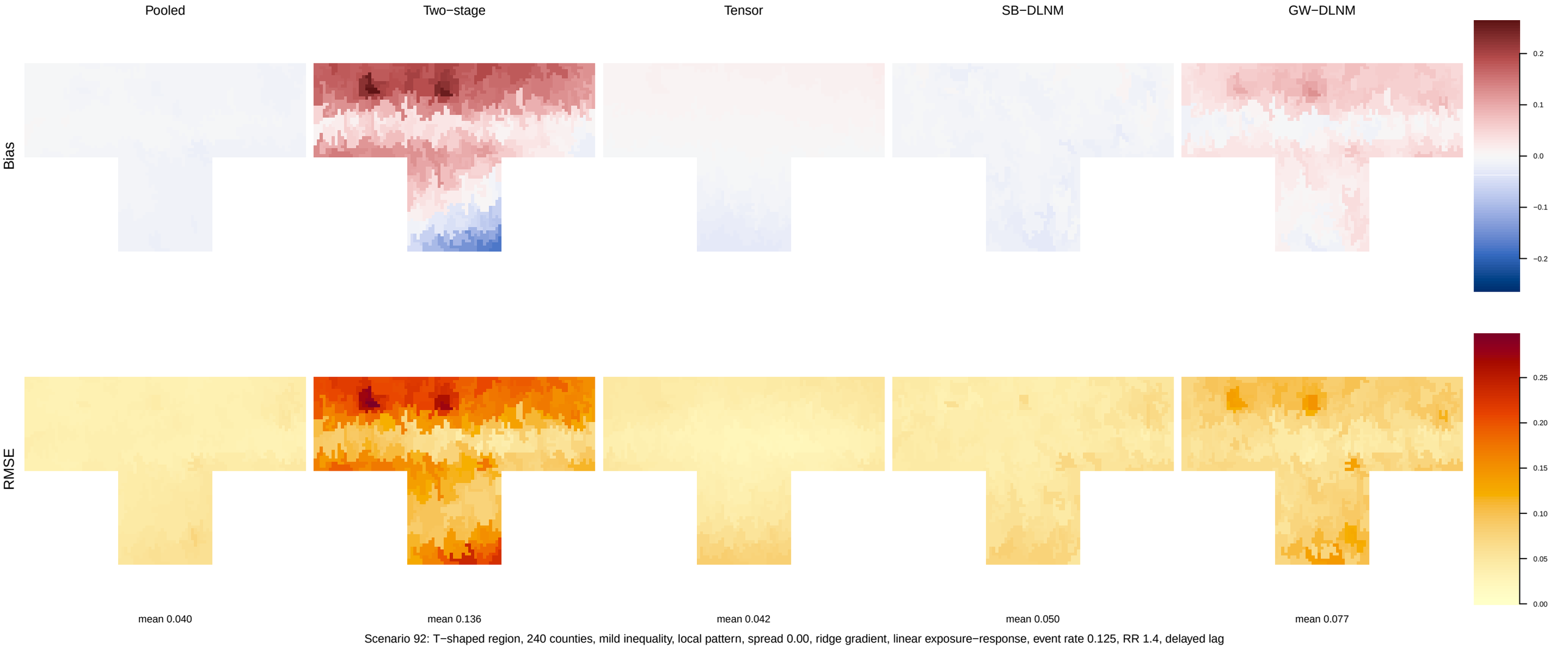
Scenario 828: T−shaped region, 240 counties, extreme inequality, independent pattern, spread 0.50, valley gradient, J exposure−response, event rate 0.5, RR 1.0, short lag



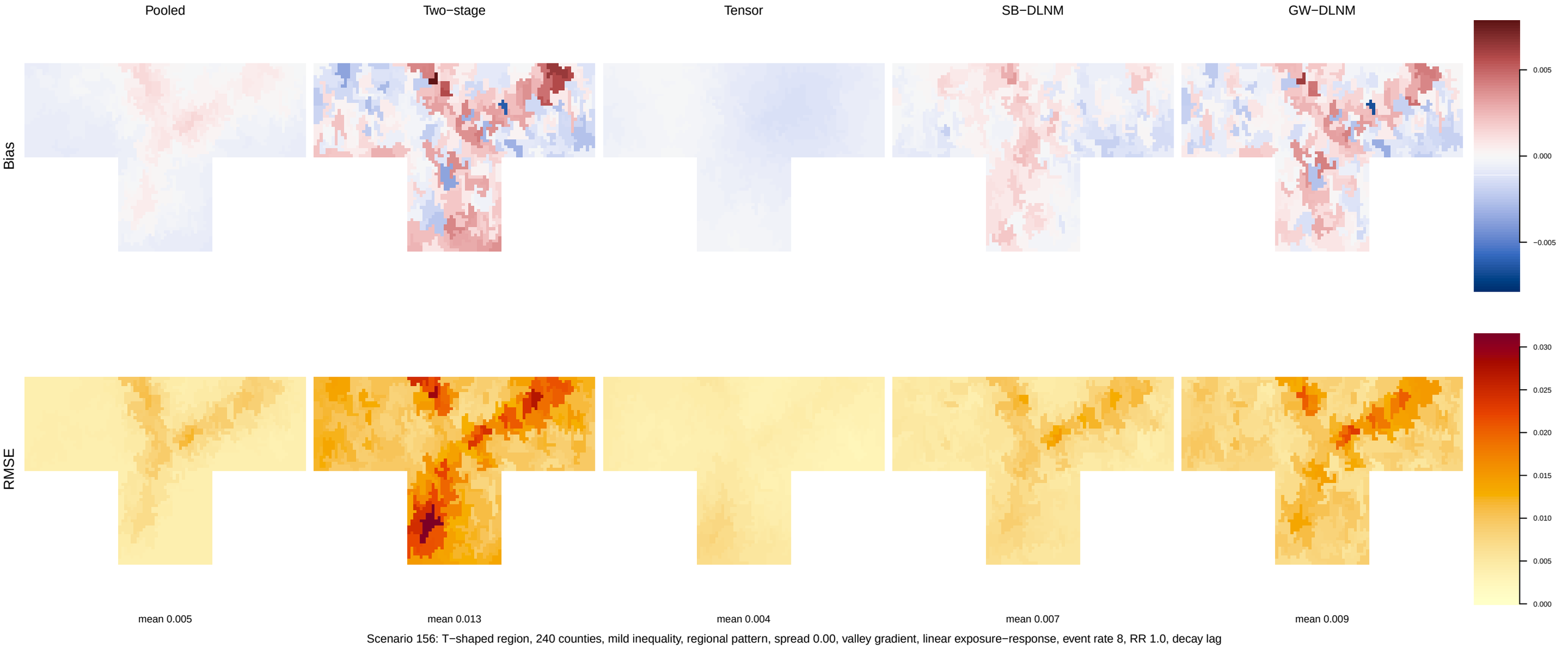
Scenario 220: T−shaped region, 240 counties, mild inequality, boundary pattern, spread 0.00, edges gradient, linear exposure−response, event rate 2, RR 1.6, short lag



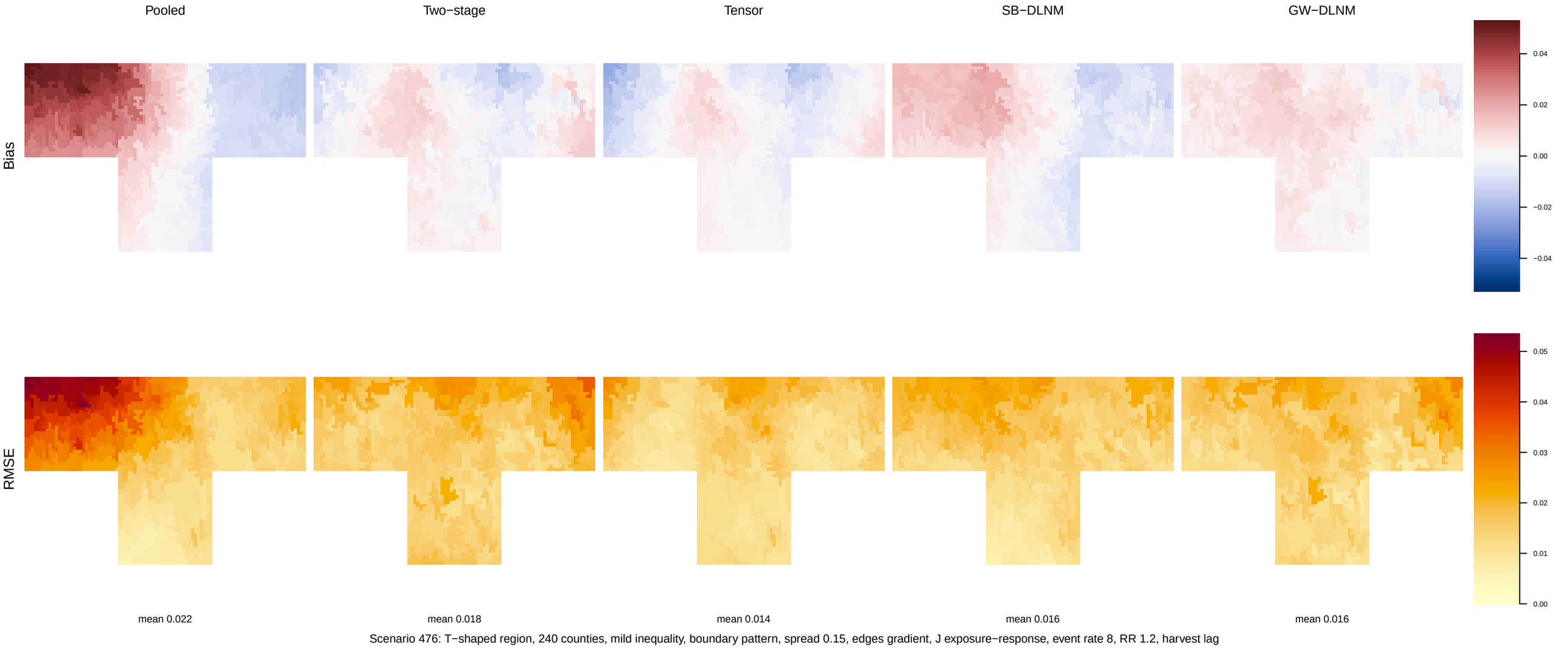
Scenario 28: T−shaped region, 240 counties, mild inequality, independent pattern, spread 0.00, NS gradient, linear exposure−response, event rate 0.5, RR 1.2, harvest lag



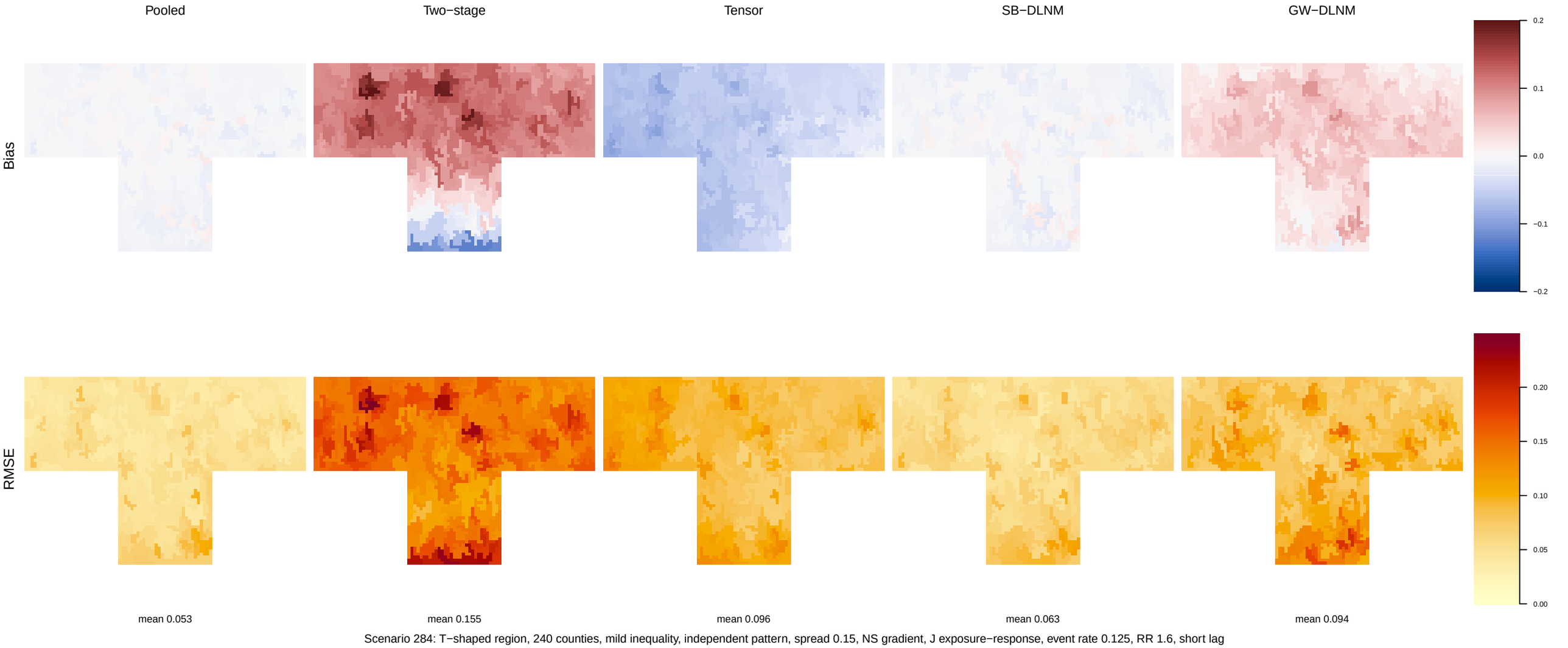
Scenario 92: T−shaped region, 240 counties, mild inequality, local pattern, spread 0.00, ridge gradient, linear exposure−response, event rate 0.125, RR 1.4, delayed lag



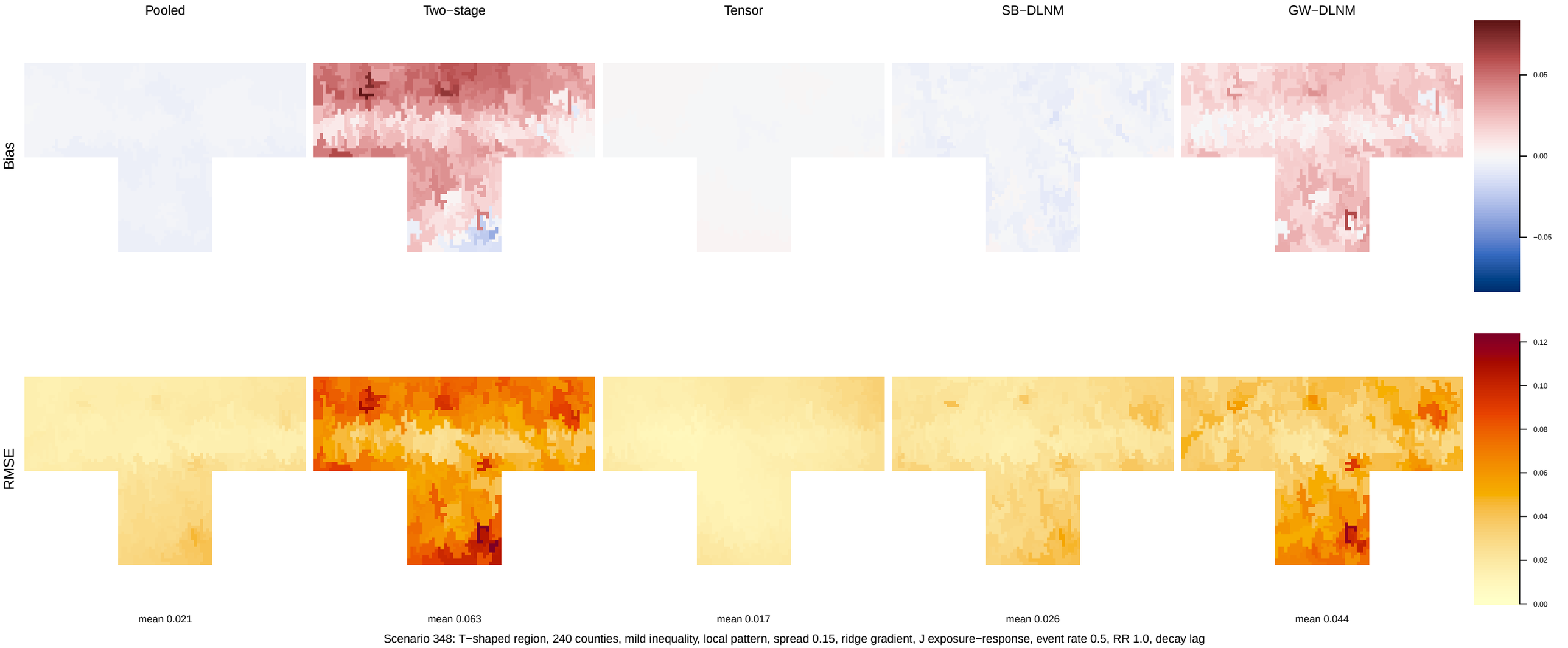
Scenario 156: T−shaped region, 240 counties, mild inequality, regional pattern, spread 0.00, valley gradient, linear exposure−response, event rate 8, RR 1.0, decay lag



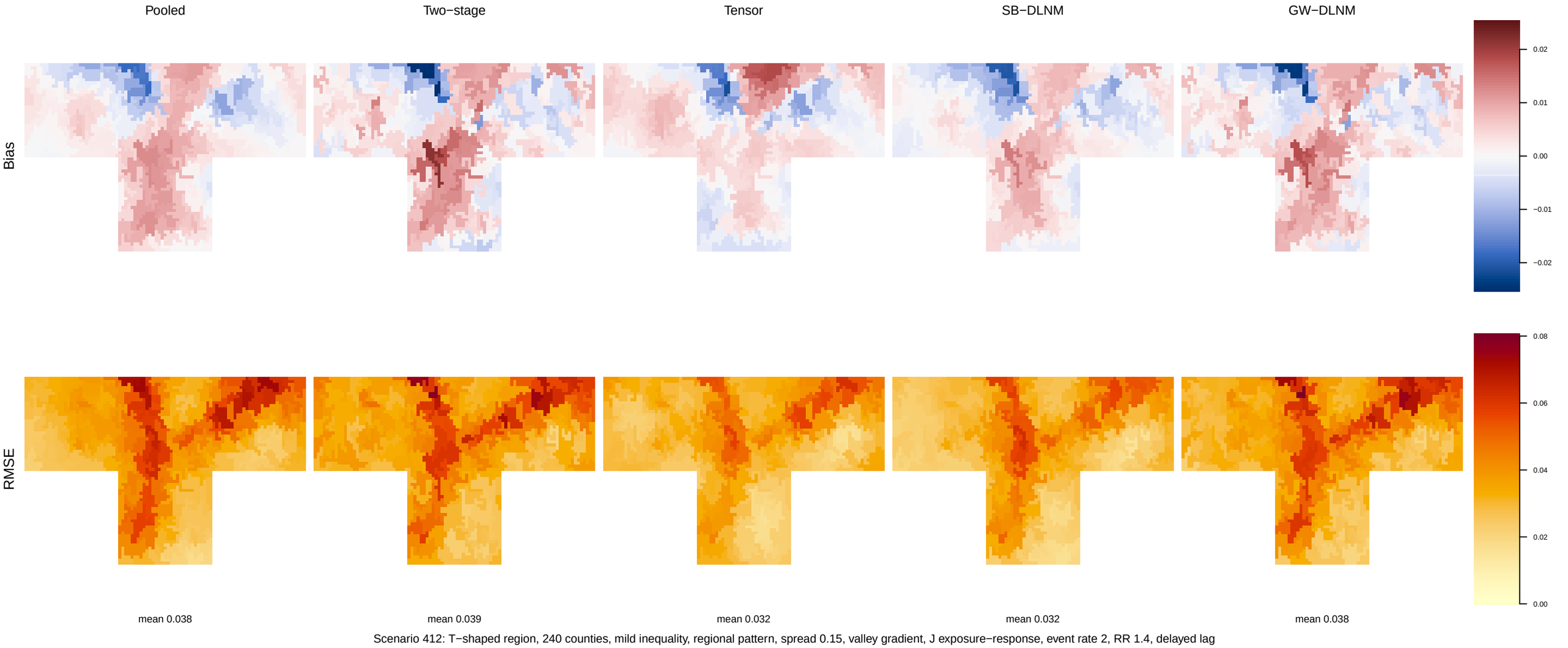
Scenario 476: T−shaped region, 240 counties, mild inequality, boundary pattern, spread 0.15, edges gradient, J exposure−response, event rate 8, RR 1.2, harvest lag



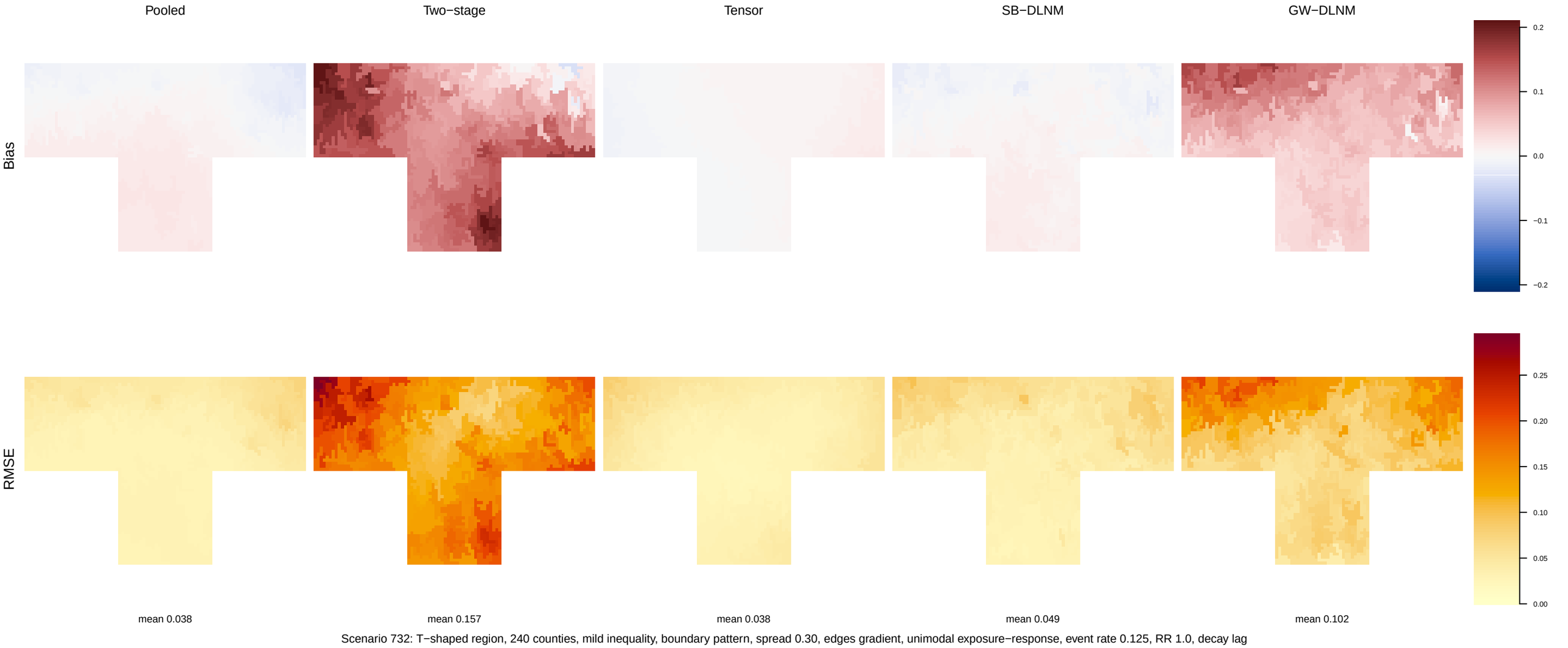
Scenario 284: T−shaped region, 240 counties, mild inequality, independent pattern, spread 0.15, NS gradient, J exposure−response, event rate 0.125, RR 1.6, short lag



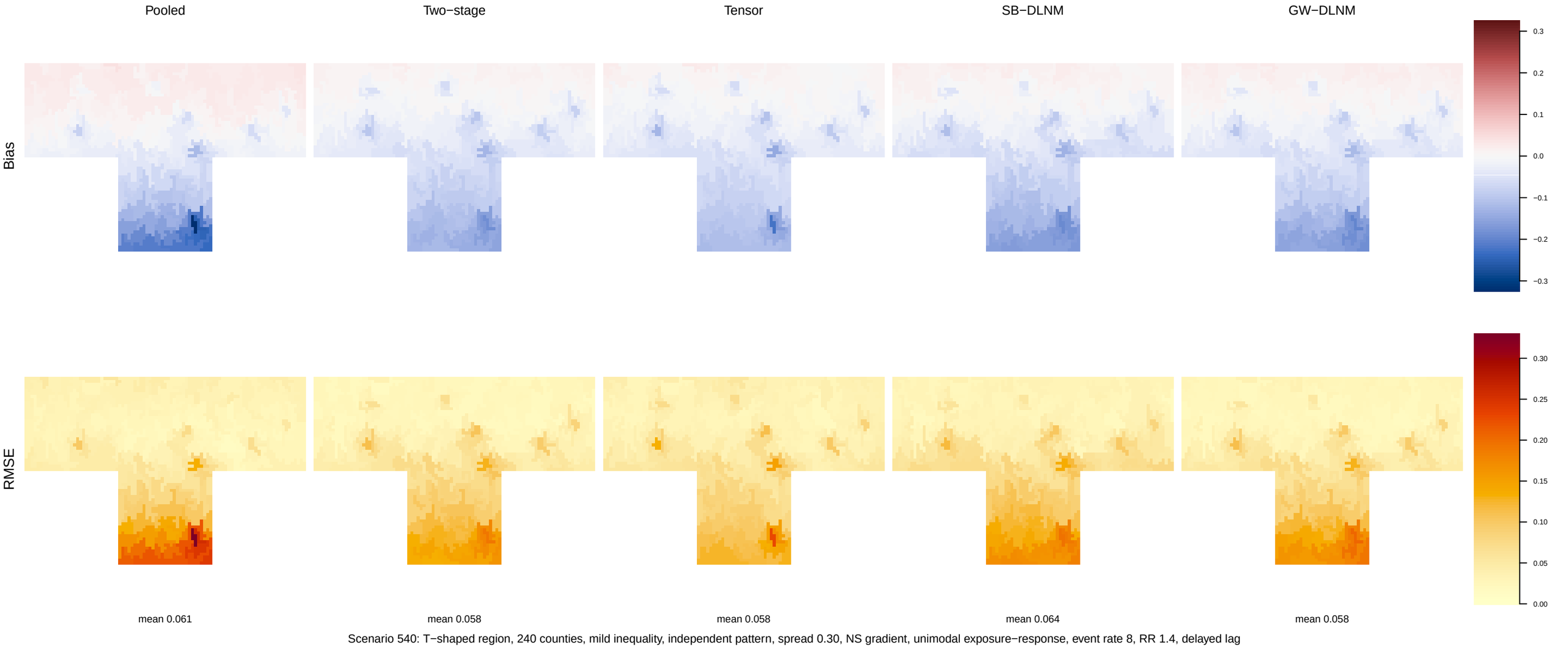
Scenario 348: T−shaped region, 240 counties, mild inequality, local pattern, spread 0.15, ridge gradient, J exposure−response, event rate 0.5, RR 1.0, decay lag



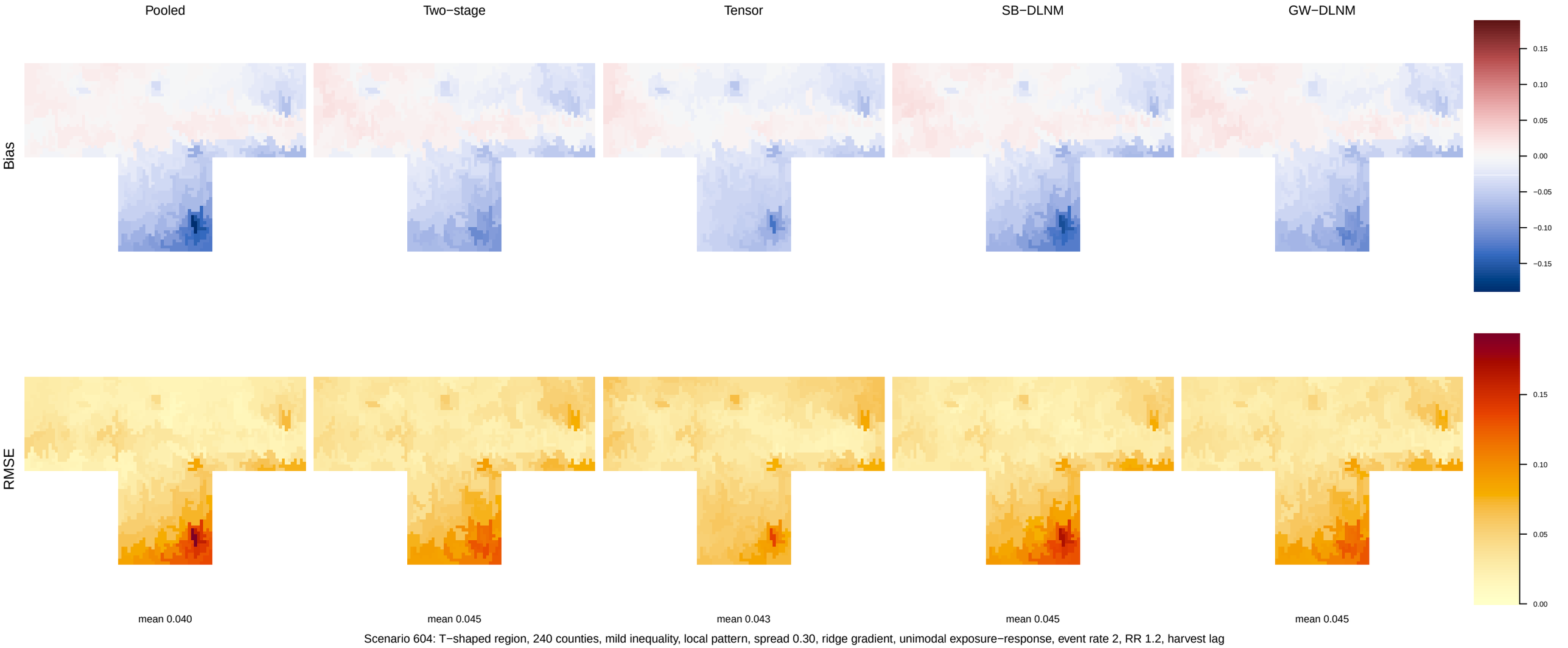
Scenario 412: T−shaped region, 240 counties, mild inequality, regional pattern, spread 0.15, valley gradient, J exposure−response, event rate 2, RR 1.4, delayed lag



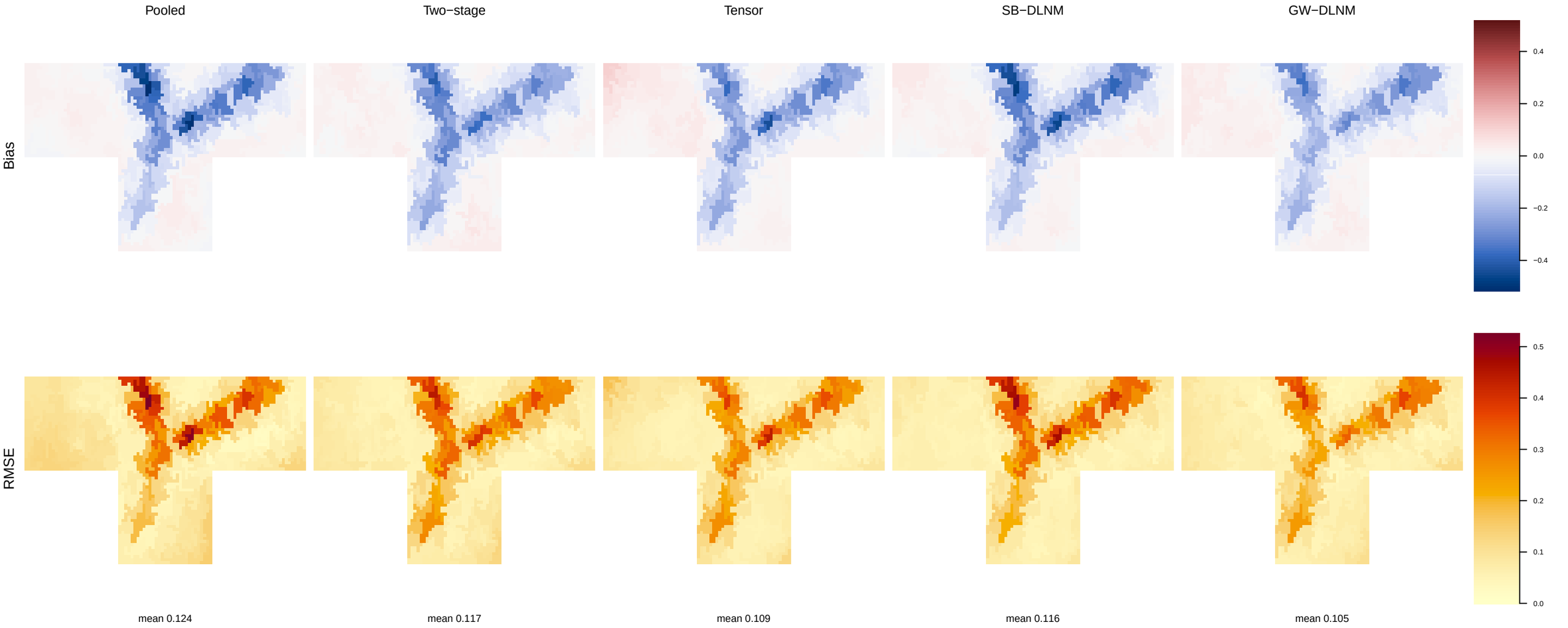
Scenario 732: T−shaped region, 240 counties, mild inequality, boundary pattern, spread 0.30, edges gradient, unimodal exposure−response, event rate 0.125, RR 1.0, decay lag



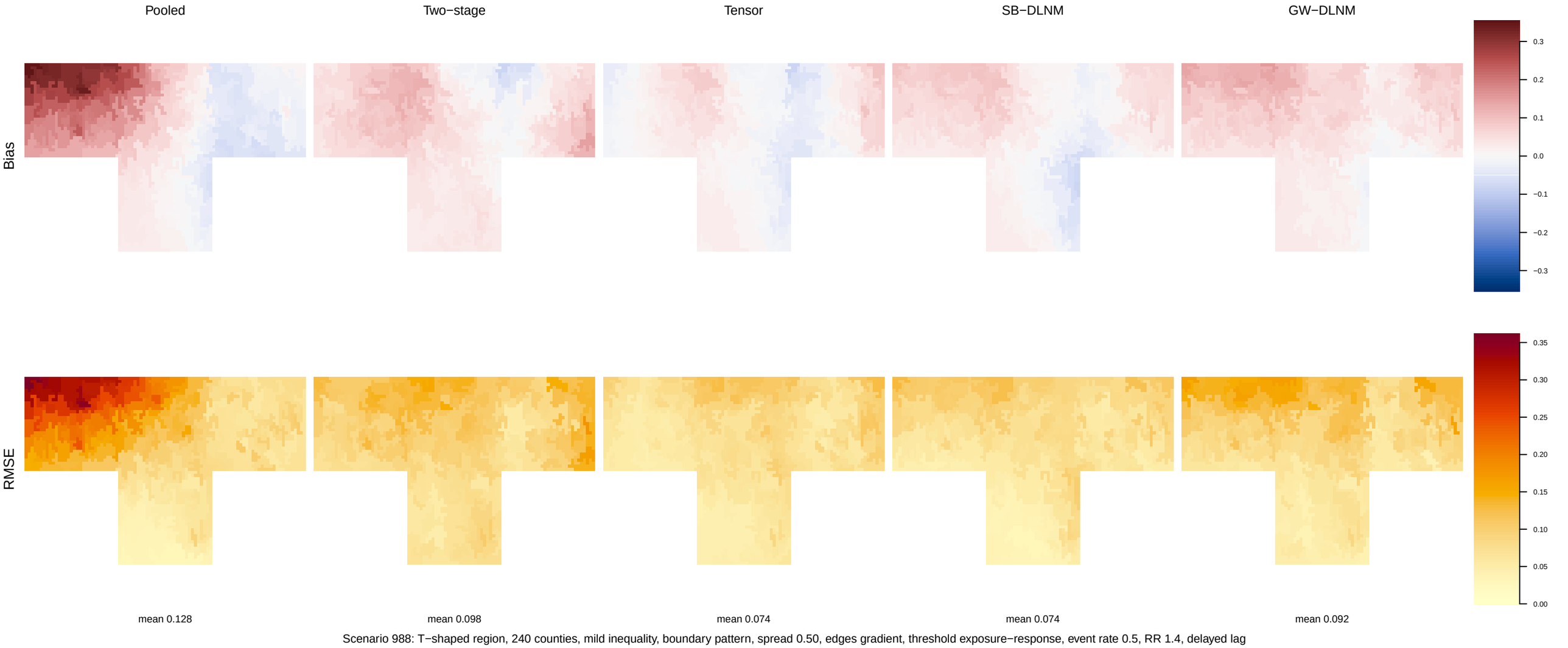
Scenario 540: T−shaped region, 240 counties, mild inequality, independent pattern, spread 0.30, NS gradient, unimodal exposure−response, event rate 8, RR 1.4, delayed lag



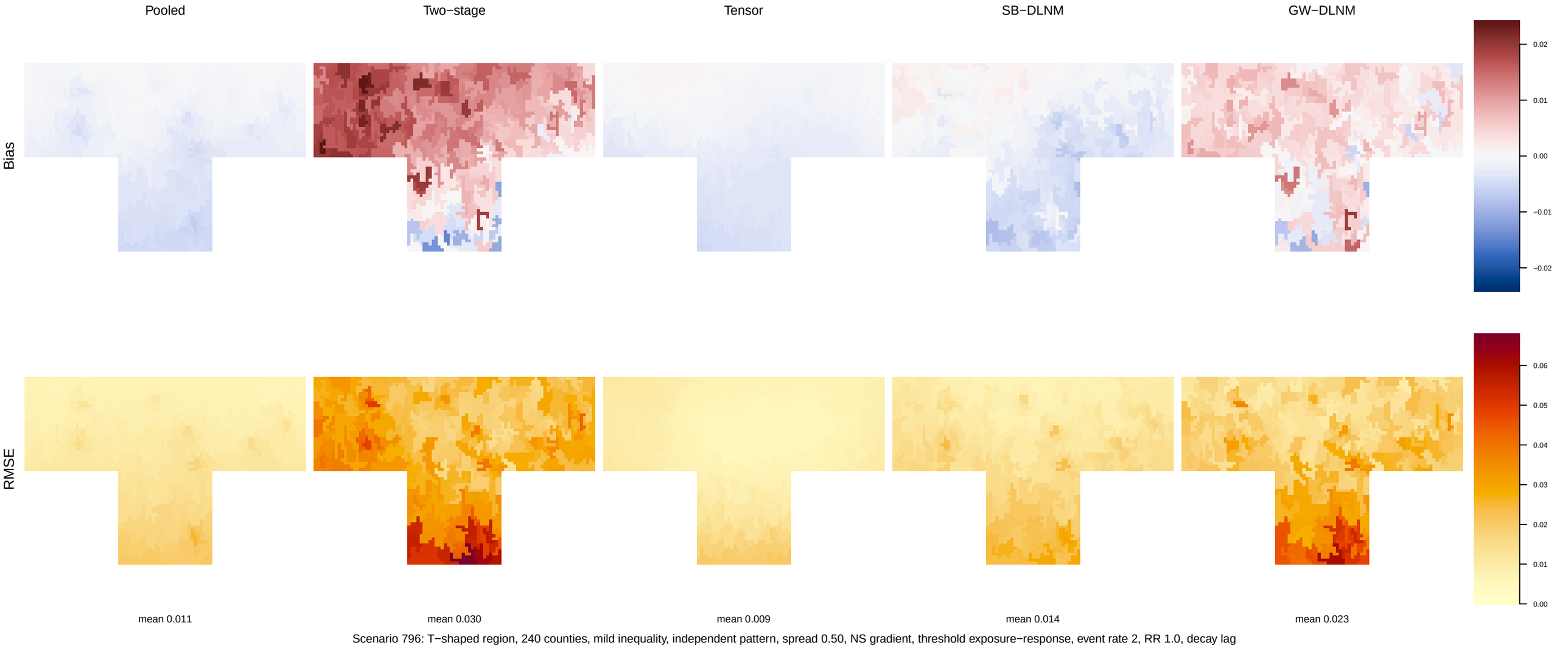
Scenario 604: T−shaped region, 240 counties, mild inequality, local pattern, spread 0.30, ridge gradient, unimodal exposure−response, event rate 2, RR 1.2, harvest lag



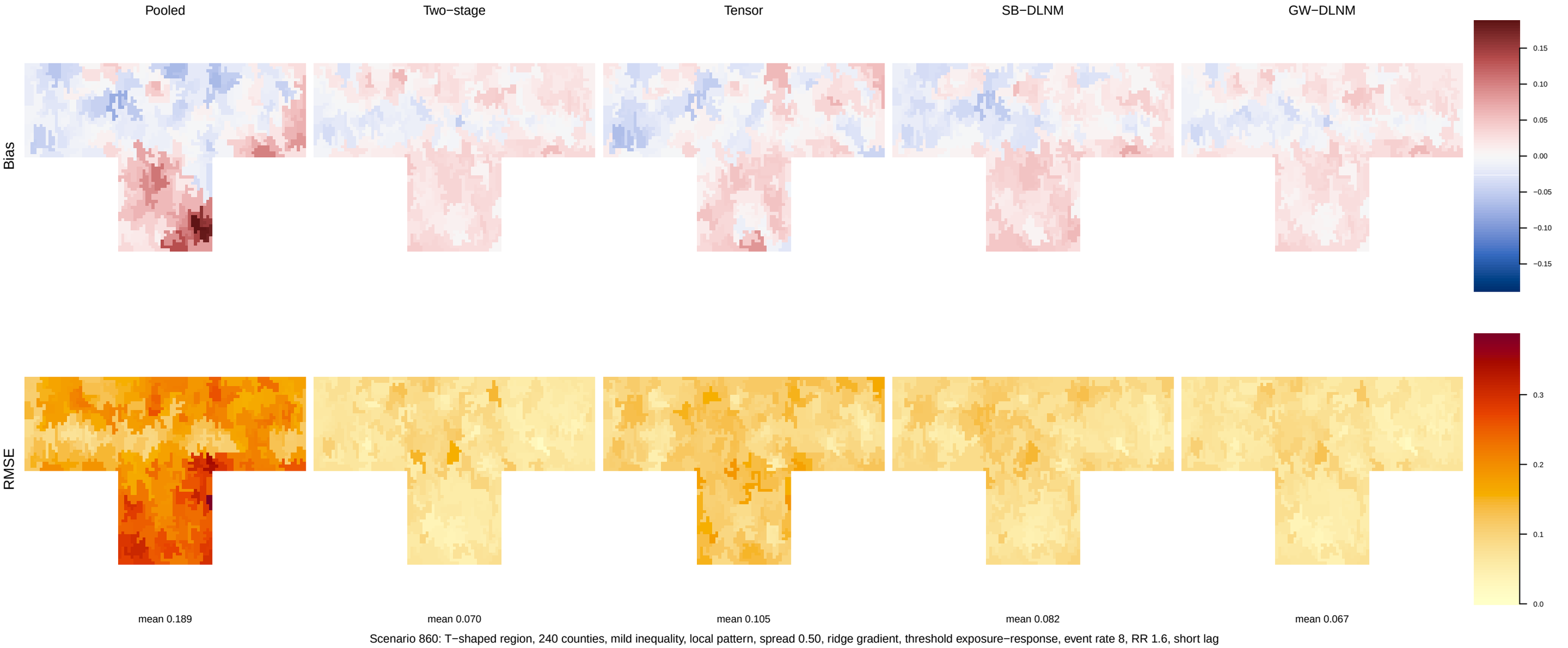
Scenario 668: T−shaped region, 240 counties, mild inequality, regional pattern, spread 0.30, valley gradient, unimodal exposure−response, event rate 0.5, RR 1.6, short lag



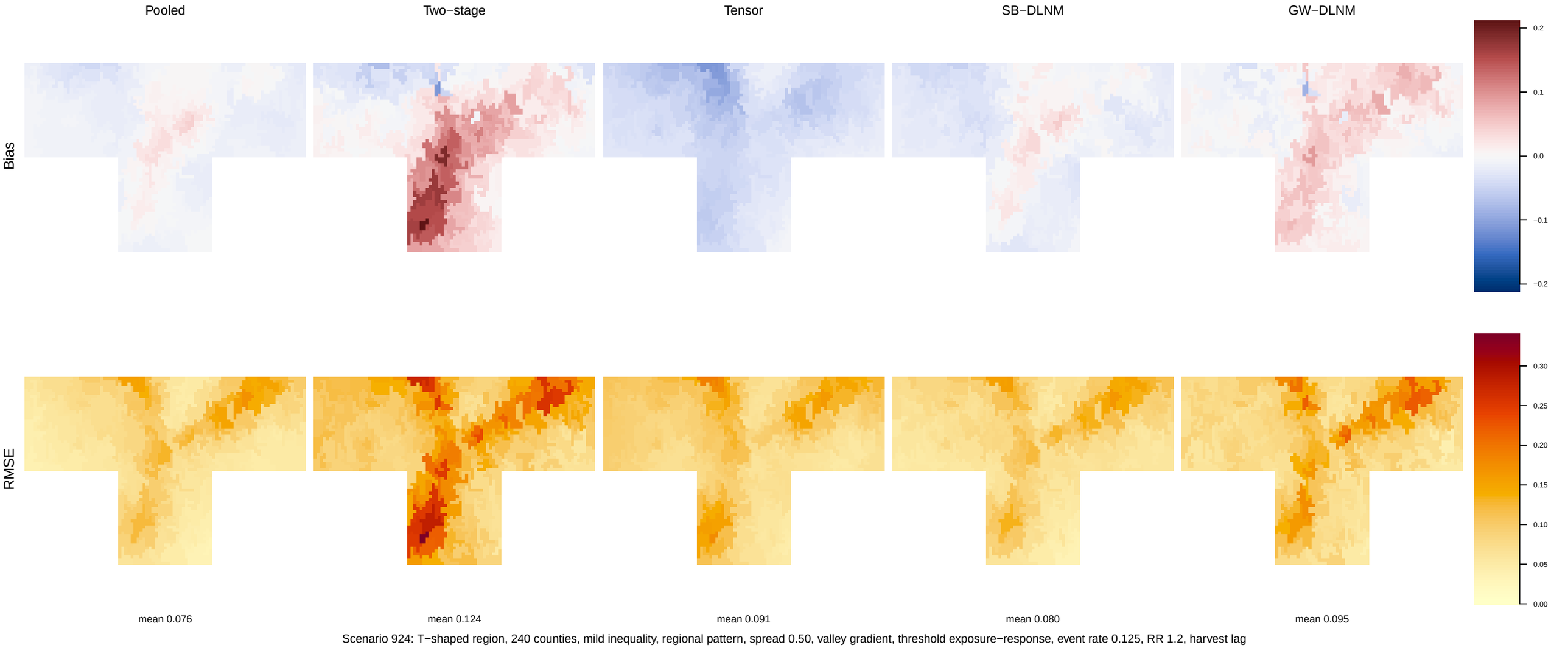
Scenario 988: T−shaped region, 240 counties, mild inequality, boundary pattern, spread 0.50, edges gradient, threshold exposure−response, event rate 0.5, RR 1.4, delayed lag



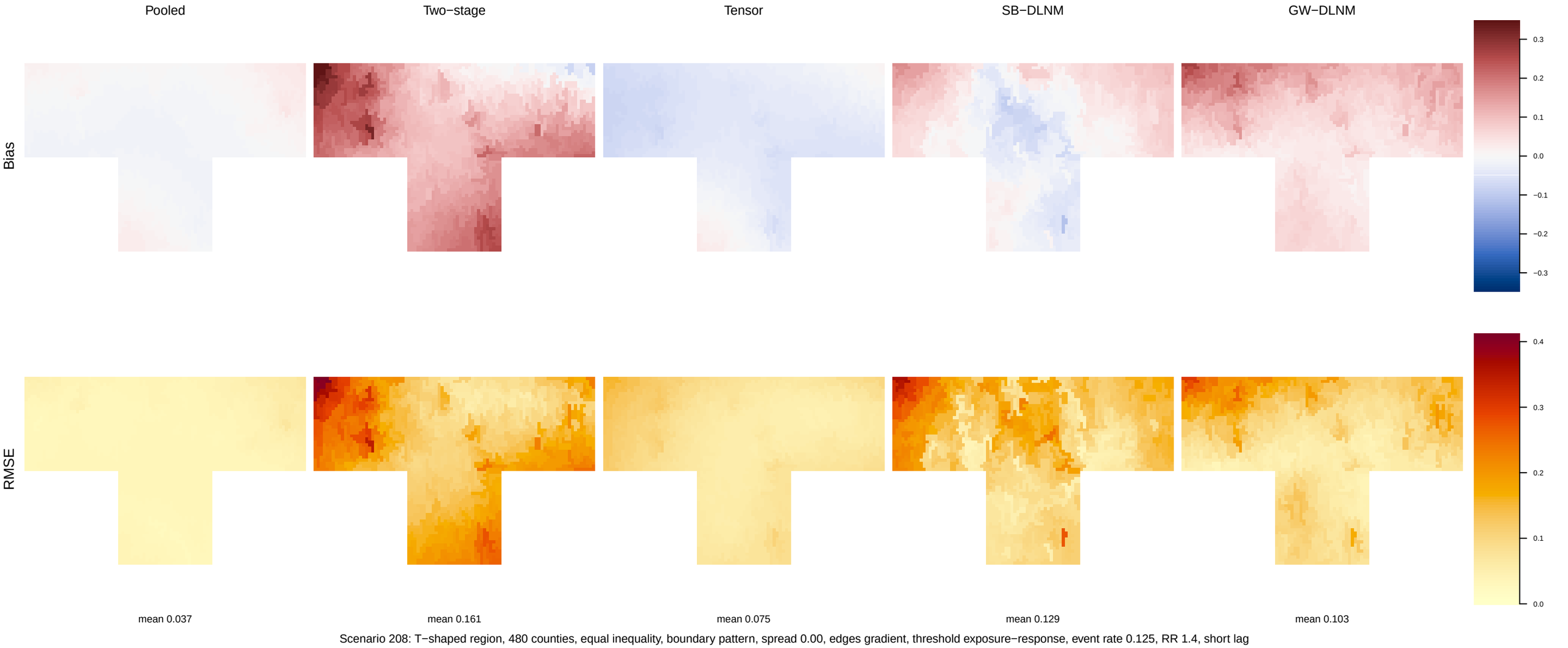
Scenario 796: T−shaped region, 240 counties, mild inequality, independent pattern, spread 0.50, NS gradient, threshold exposure−response, event rate 2, RR 1.0, decay lag



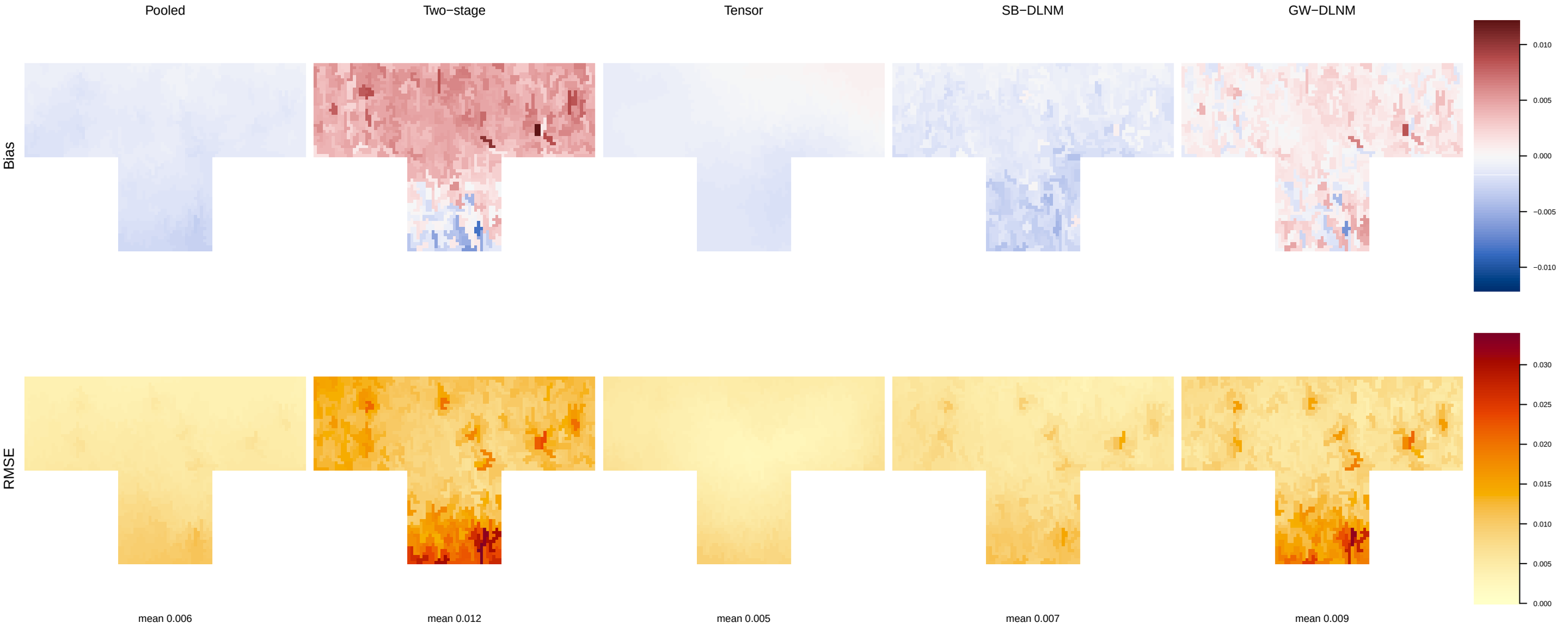
Scenario 860: T−shaped region, 240 counties, mild inequality, local pattern, spread 0.50, ridge gradient, threshold exposure−response, event rate 8, RR 1.6, short lag



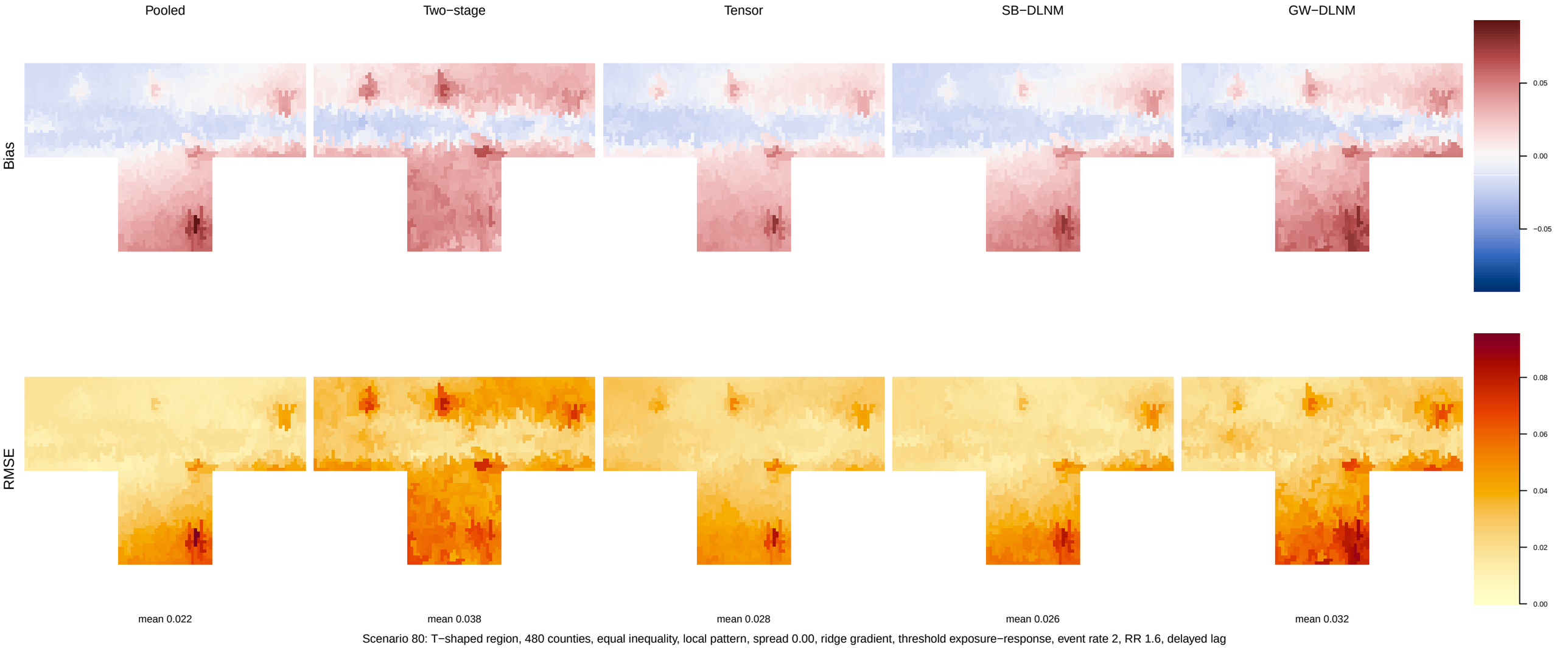
Scenario 924: T−shaped region, 240 counties, mild inequality, regional pattern, spread 0.50, valley gradient, threshold exposure−response, event rate 0.125, RR 1.2, harvest lag

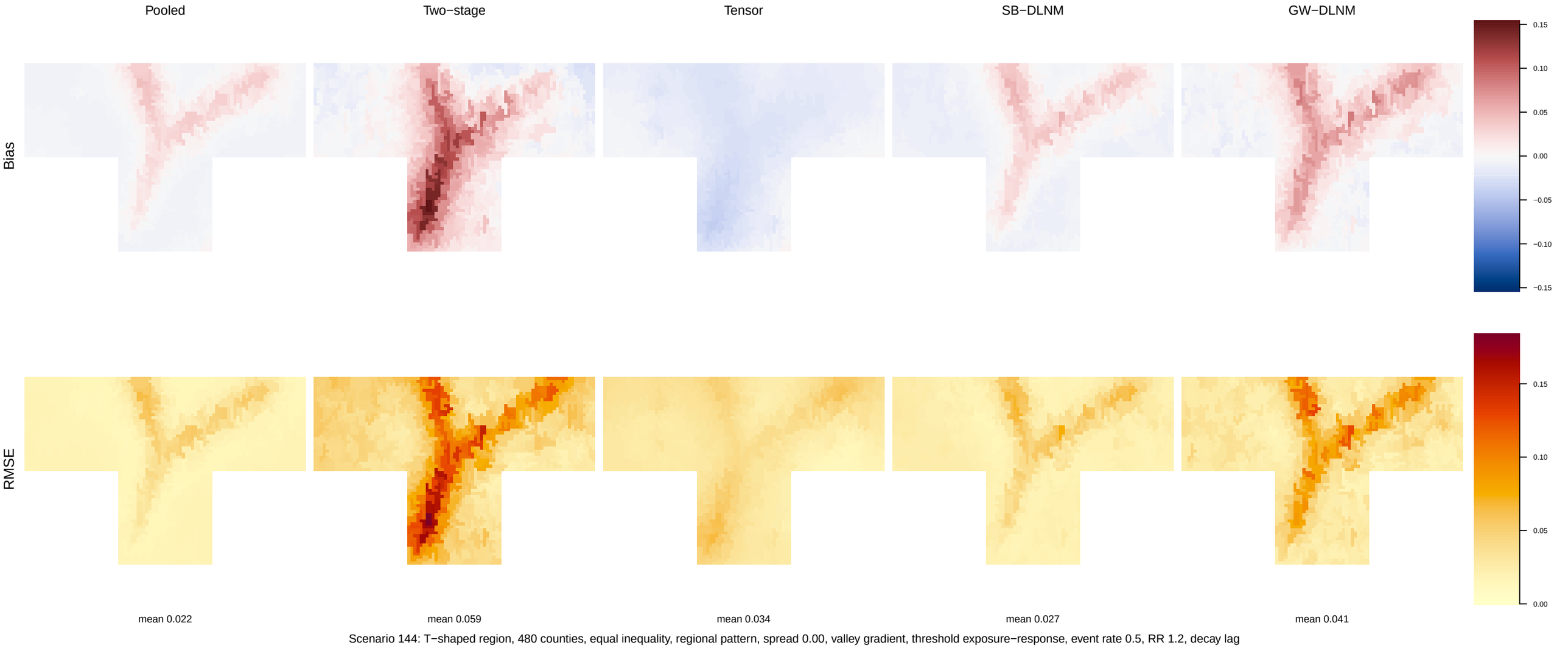


Scenario 208: T−shaped region, 480 counties, equal inequality, boundary pattern, spread 0.00, edges gradient, threshold exposure−response, event rate 0.125, RR 1.4, short lag

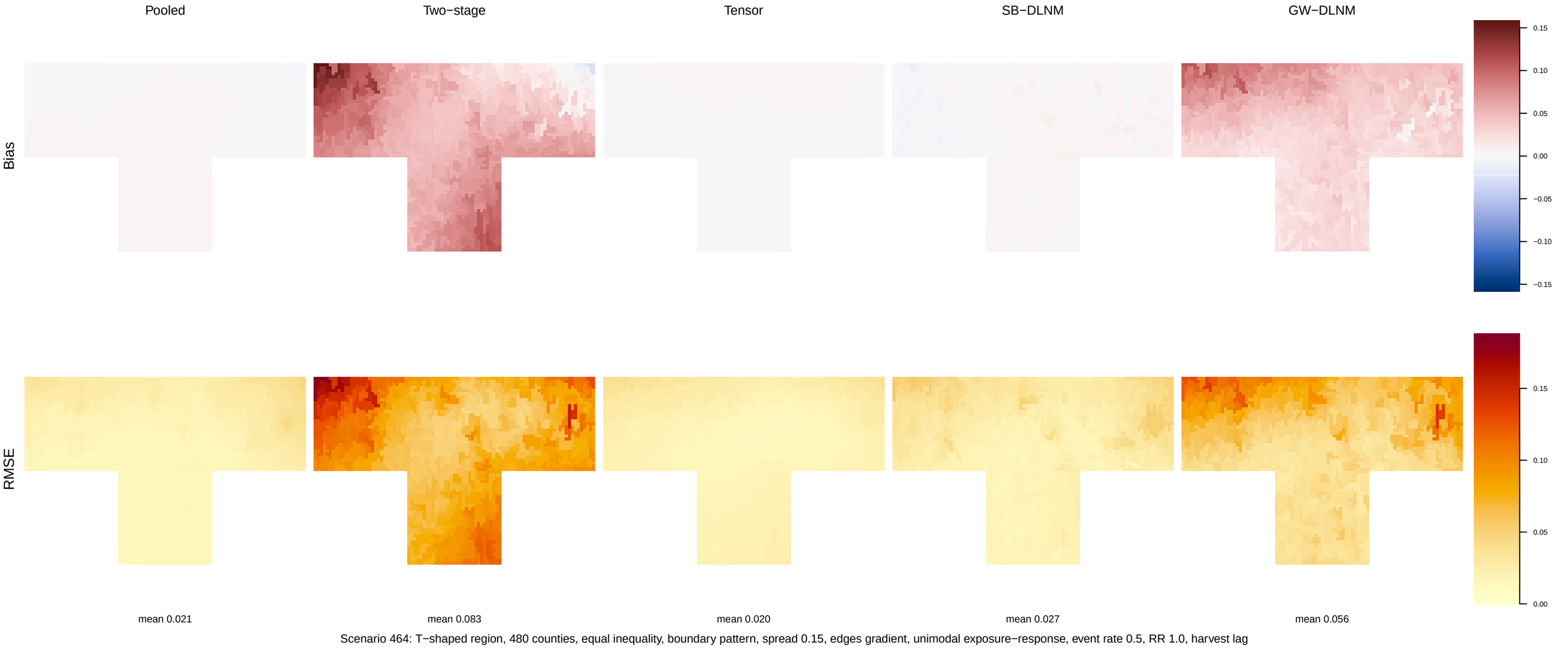


Scenario 16: T−shaped region, 480 counties, equal inequality, independent pattern, spread 0.00, NS gradient, threshold exposure−response, event rate 8, RR 1.0, harvest lag

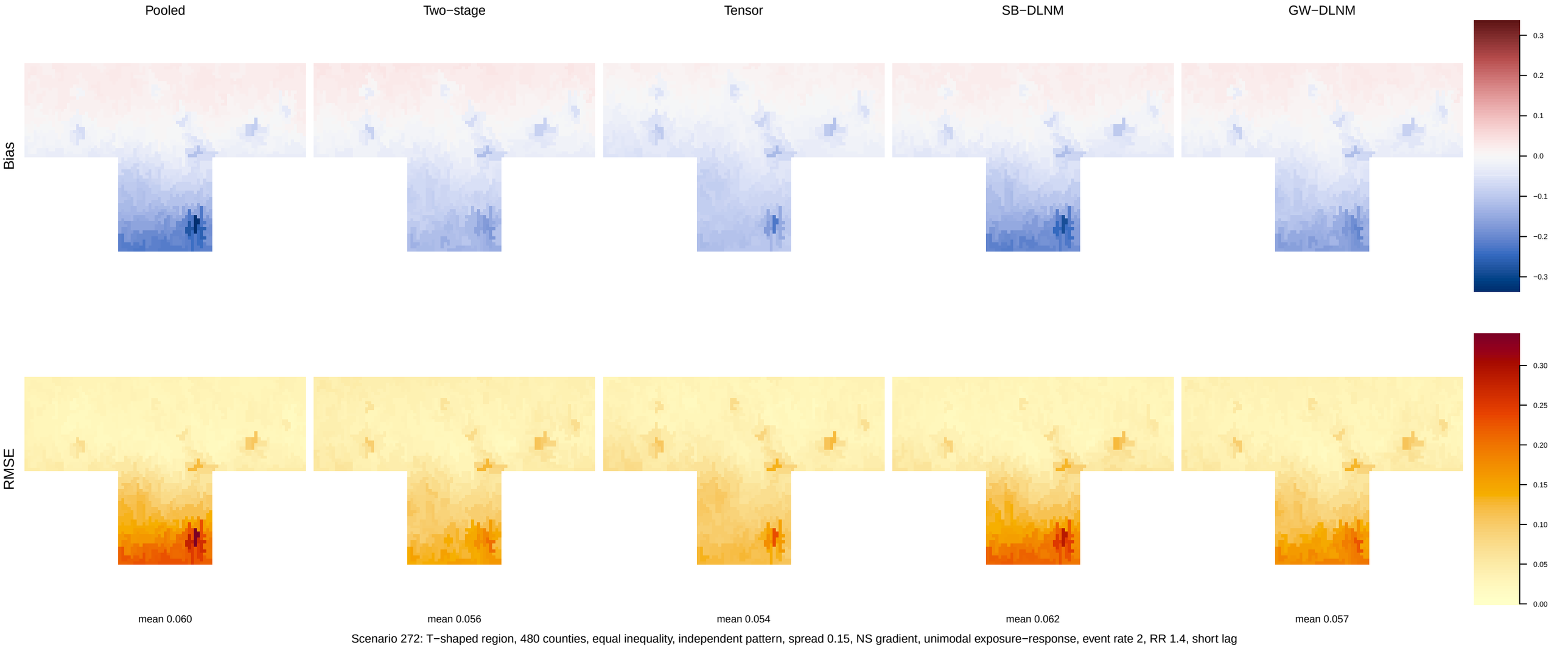

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.05
0.00
−0.05
0.08
0.06
0.04
0.02
0.00
mean 0.022
mean 0.038
mean 0.028
mean 0.026
mean 0.032
Scenario 80: T−shaped region, 480 counties, equal inequality, local pattern, spread 0.00, ridge gradient, threshold exposure−response, event rate 2, RR 1.6, delayed lag



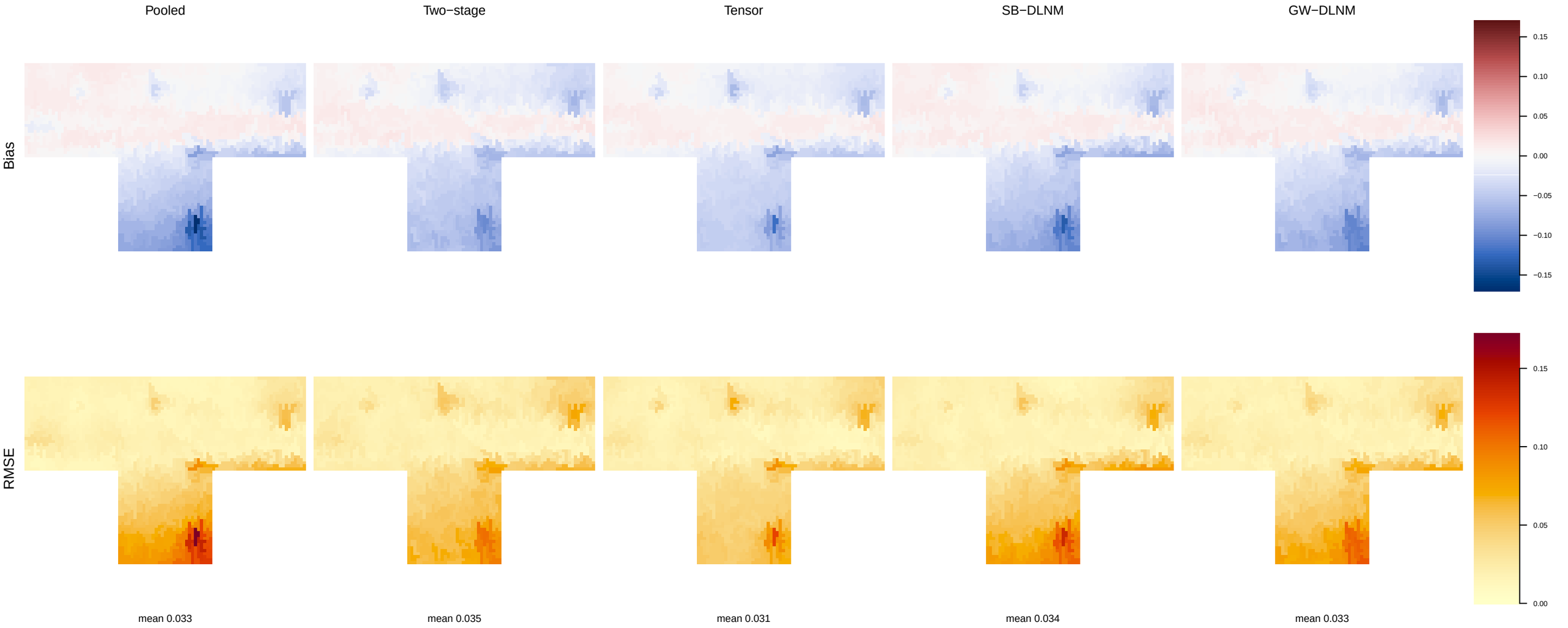
Scenario 144: T−shaped region, 480 counties, equal inequality, regional pattern, spread 0.00, valley gradient, threshold exposure−response, event rate 0.5, RR 1.2, decay lag



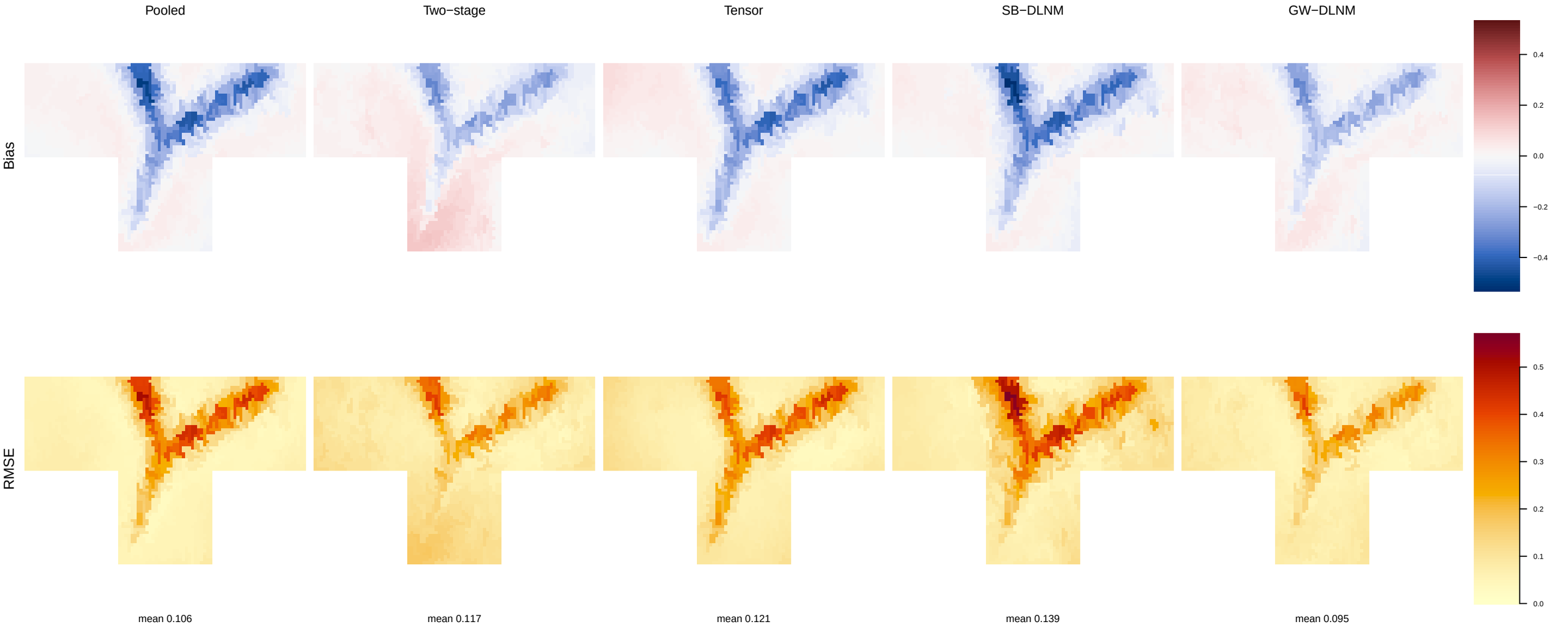
Scenario 464: T−shaped region, 480 counties, equal inequality, boundary pattern, spread 0.15, edges gradient, unimodal exposure−response, event rate 0.5, RR 1.0, harvest lag



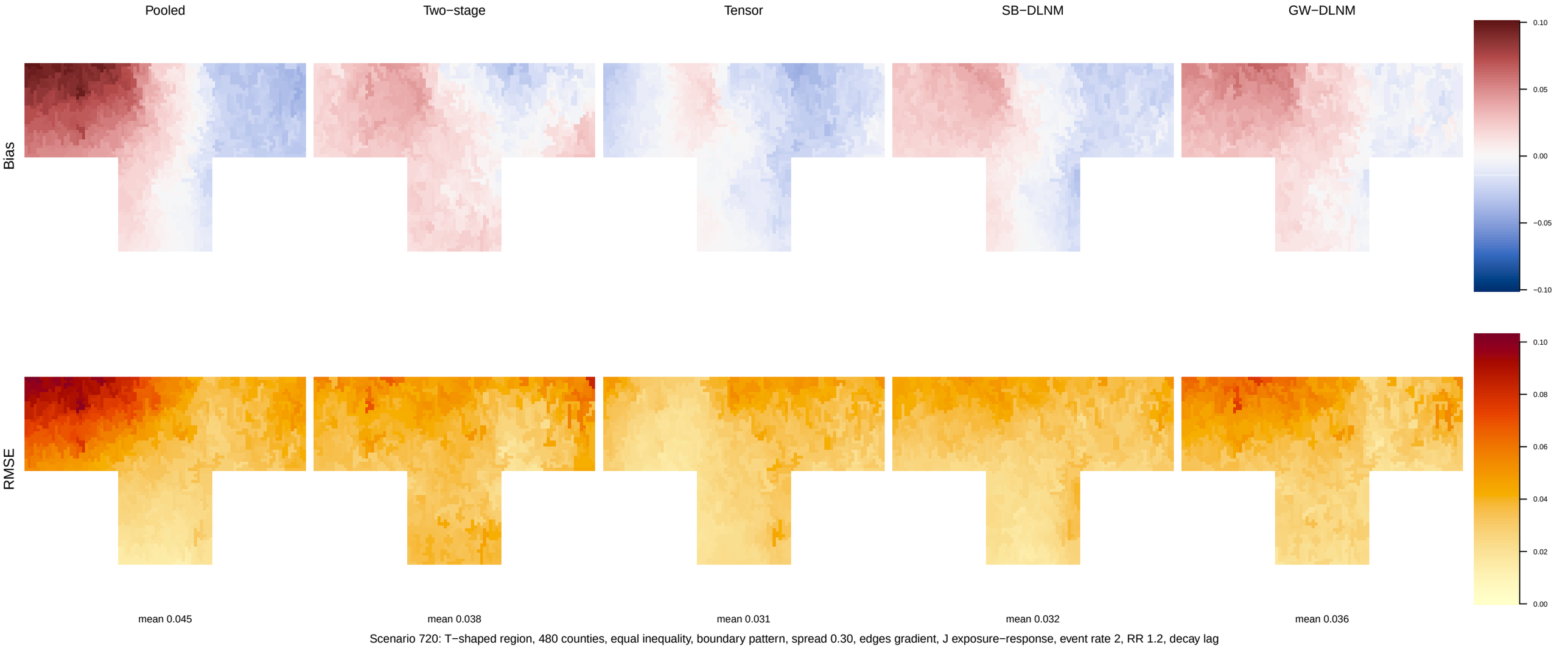
Scenario 272: T−shaped region, 480 counties, equal inequality, independent pattern, spread 0.15, NS gradient, unimodal exposure−response, event rate 2, RR 1.4, short lag

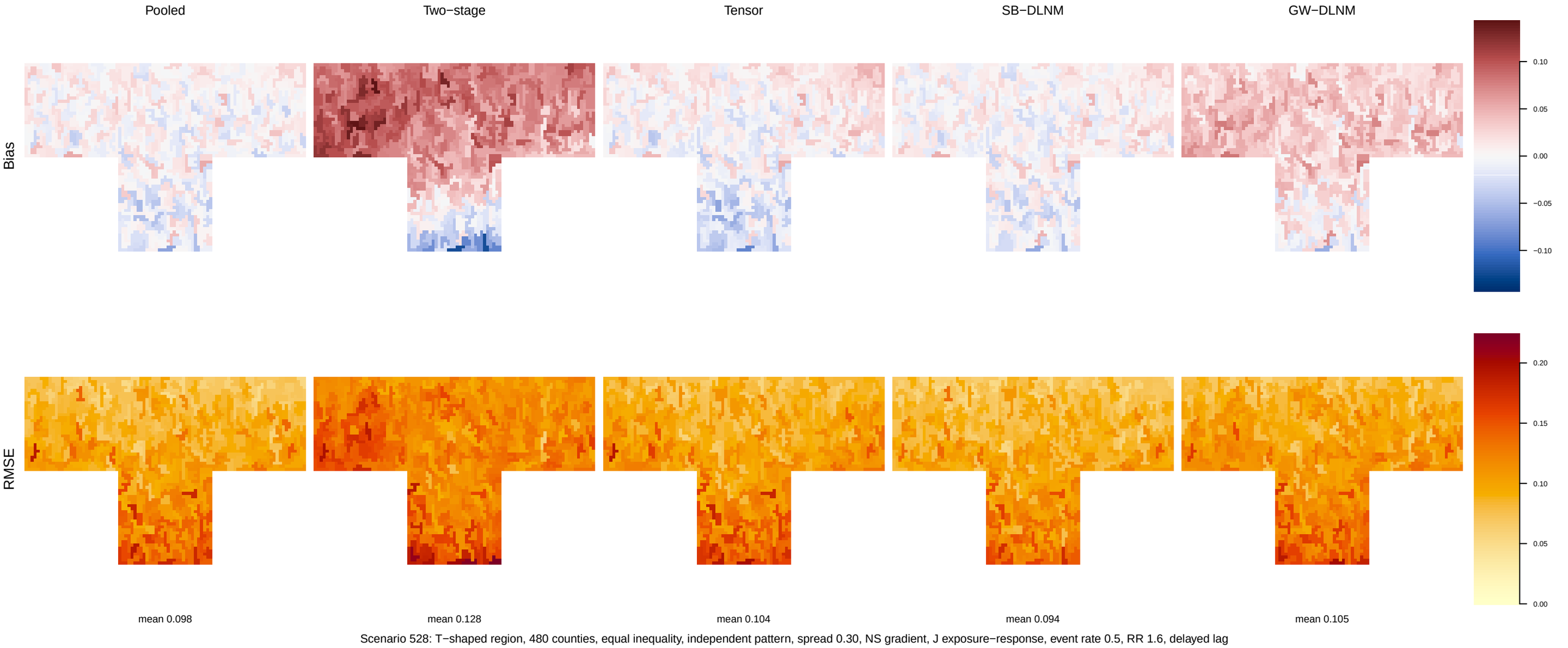


Scenario 336: T−shaped region, 480 counties, equal inequality, local pattern, spread 0.15, ridge gradient, unimodal exposure−response, event rate 8, RR 1.2, decay lag

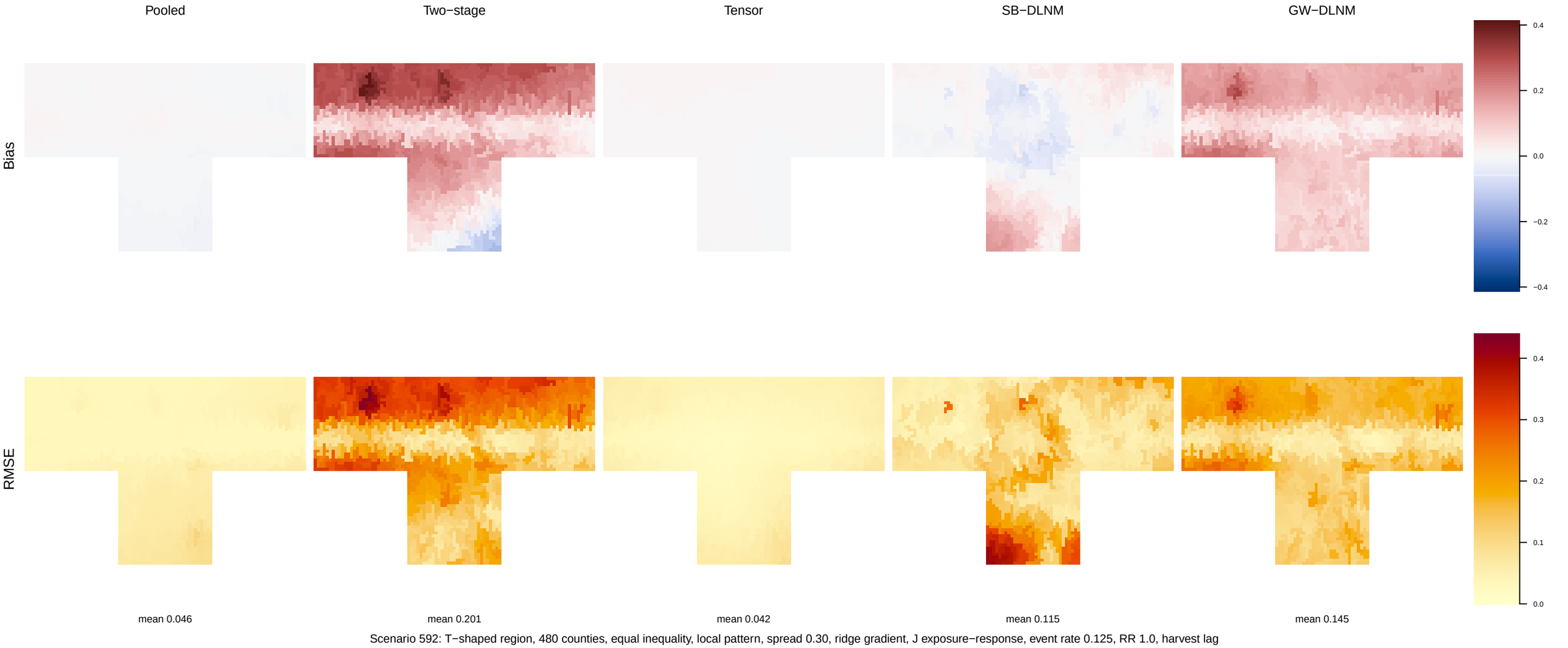


Scenario 400: T−shaped region, 480 counties, equal inequality, regional pattern, spread 0.15, valley gradient, unimodal exposure−response, event rate 0.125, RR 1.6, delayed lag

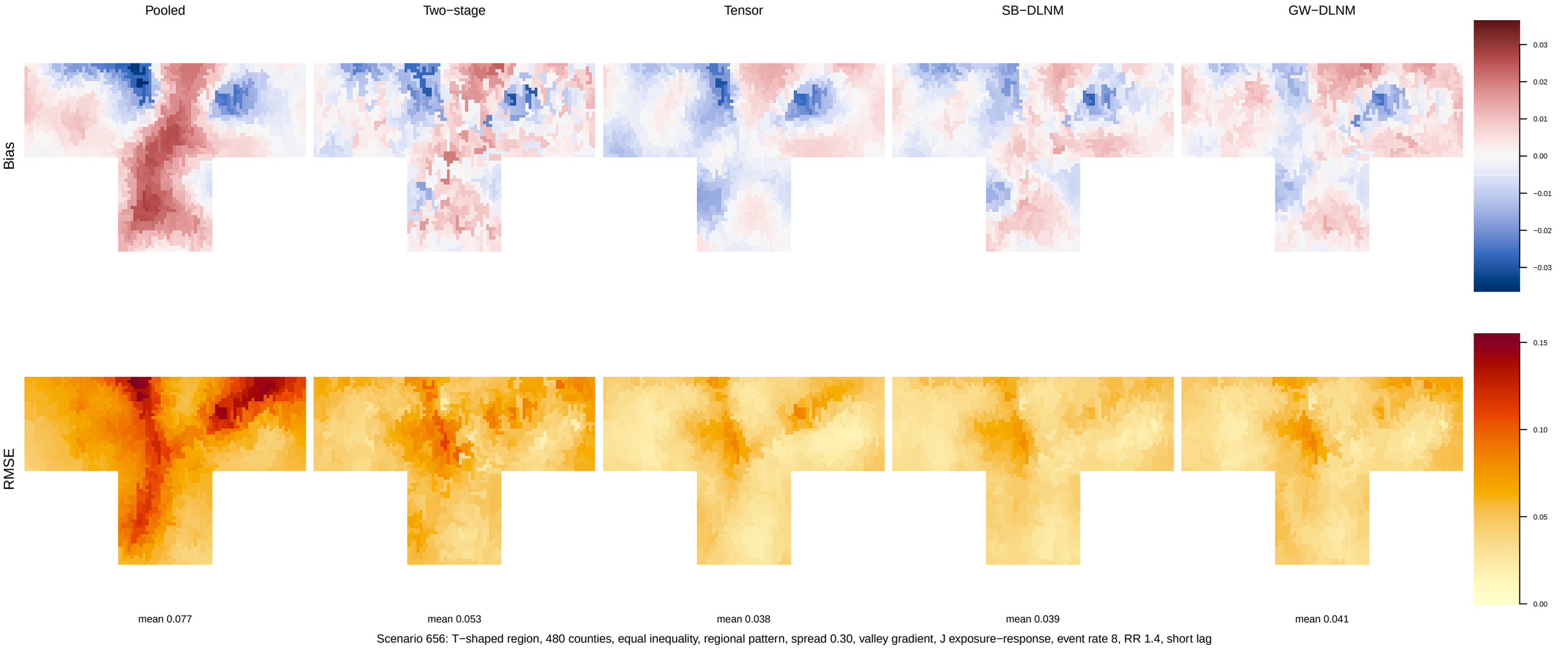

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.10
0.05
0.00
−0.05
−0.10
0.10
0.08
0.06
0.04
0.02
0.00
mean 0.045
mean 0.038
mean 0.031
mean 0.032
mean 0.036
Scenario 720: T−shaped region, 480 counties, equal inequality, boundary pattern, spread 0.30, edges gradient, J exposure−response, event rate 2, RR 1.2, decay lag



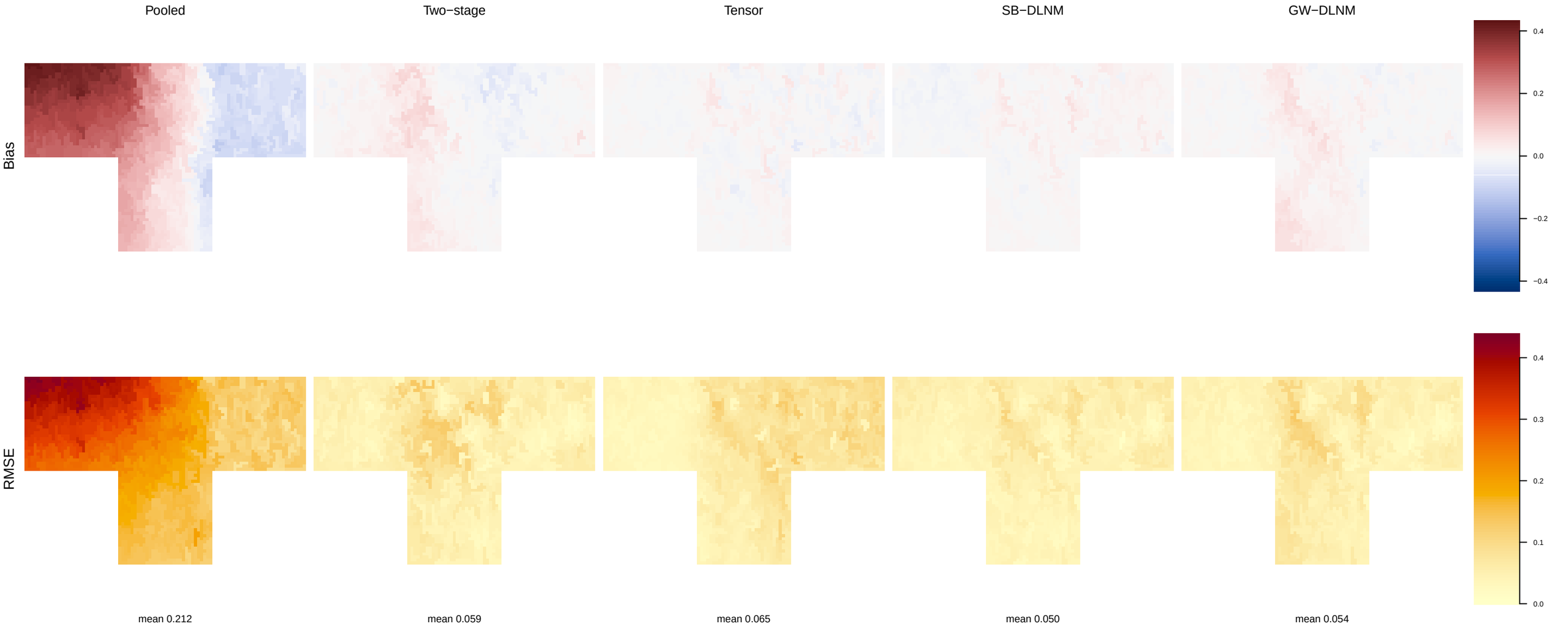
Scenario 528: T−shaped region, 480 counties, equal inequality, independent pattern, spread 0.30, NS gradient, J exposure−response, event rate 0.5, RR 1.6, delayed lag



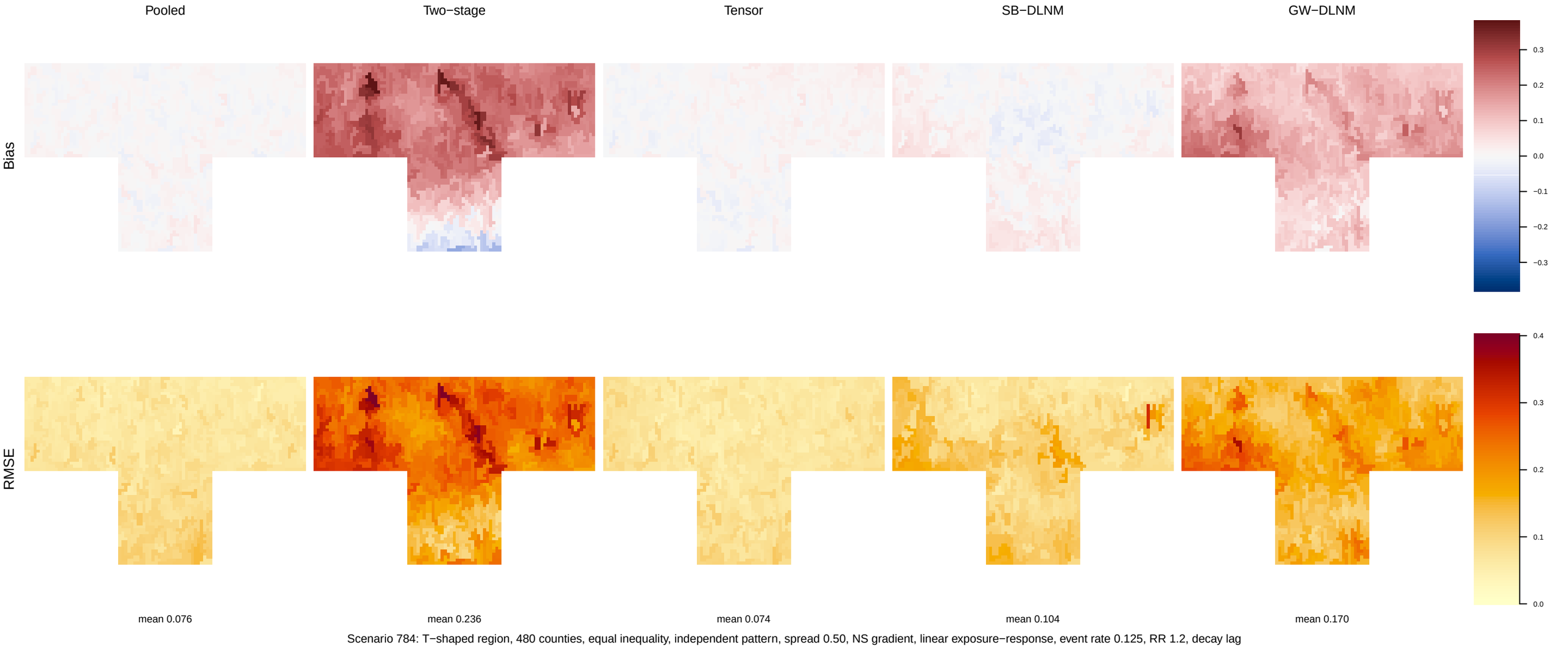
Scenario 592: T−shaped region, 480 counties, equal inequality, local pattern, spread 0.30, ridge gradient, J exposure−response, event rate 0.125, RR 1.0, harvest lag



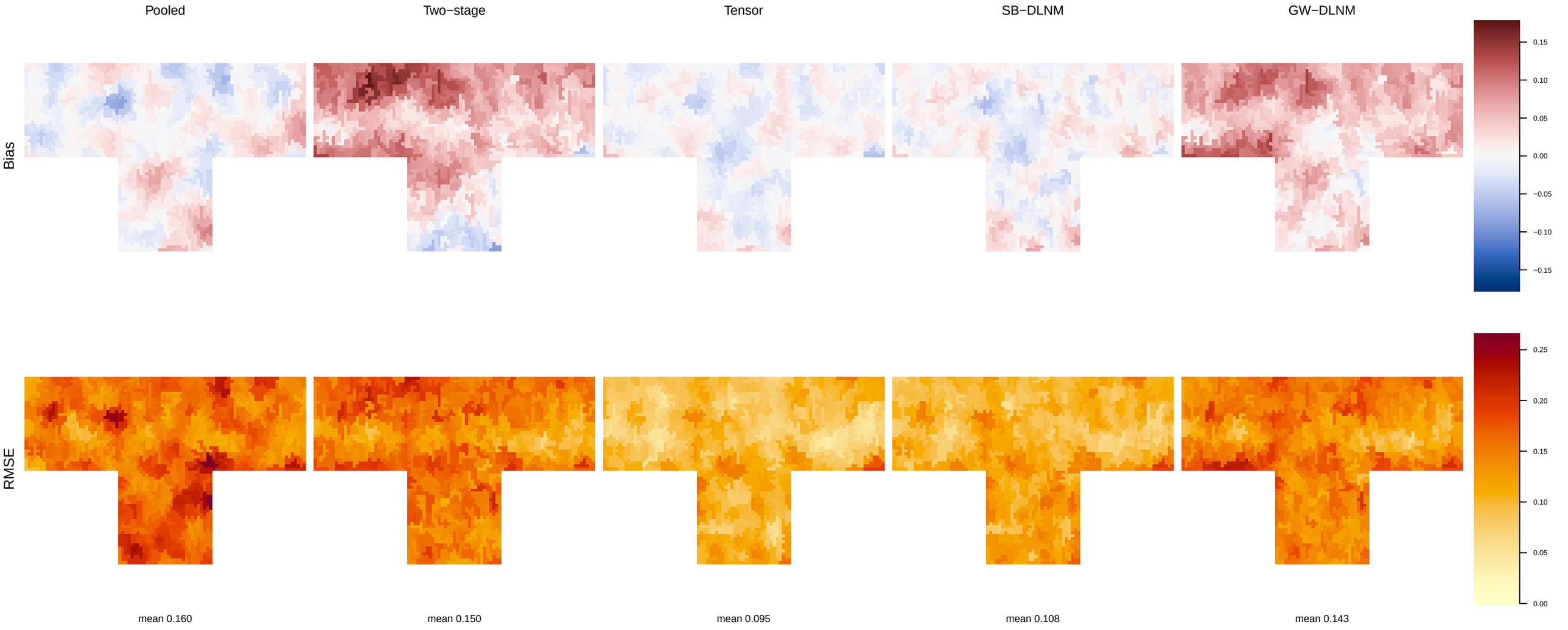
Scenario 656: T−shaped region, 480 counties, equal inequality, regional pattern, spread 0.30, valley gradient, J exposure−response, event rate 8, RR 1.4, short lag



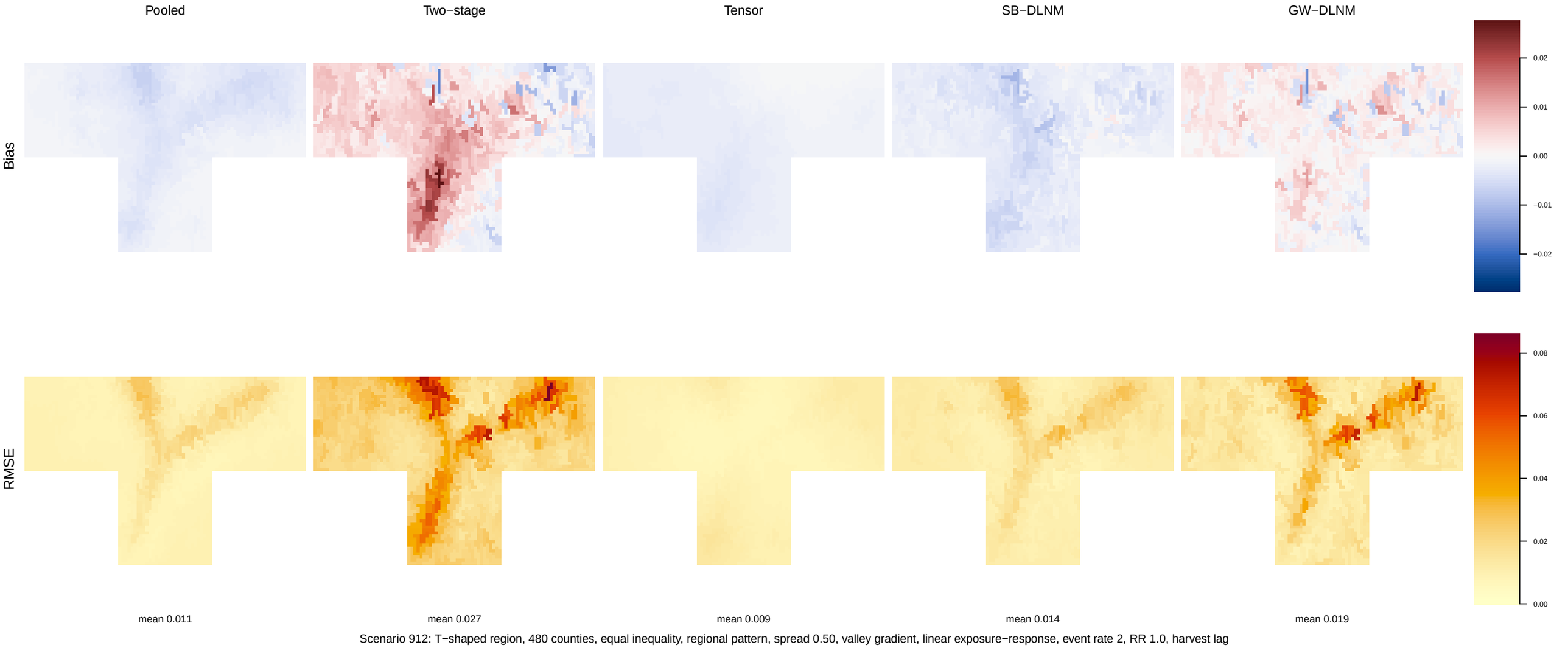
Scenario 976: T−shaped region, 480 counties, equal inequality, boundary pattern, spread 0.50, edges gradient, linear exposure−response, event rate 8, RR 1.6, delayed lag



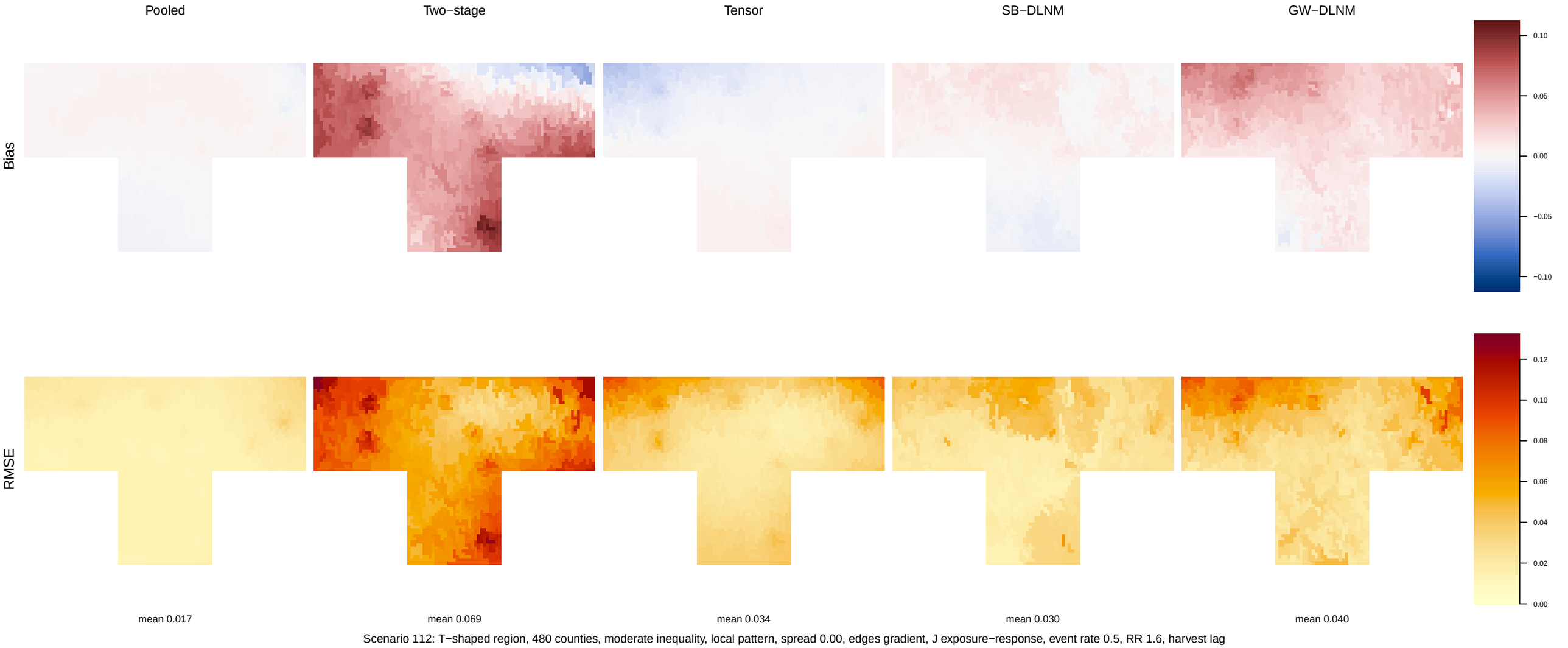
Scenario 784: T−shaped region, 480 counties, equal inequality, independent pattern, spread 0.50, NS gradient, linear exposure−response, event rate 0.125, RR 1.2, decay lag



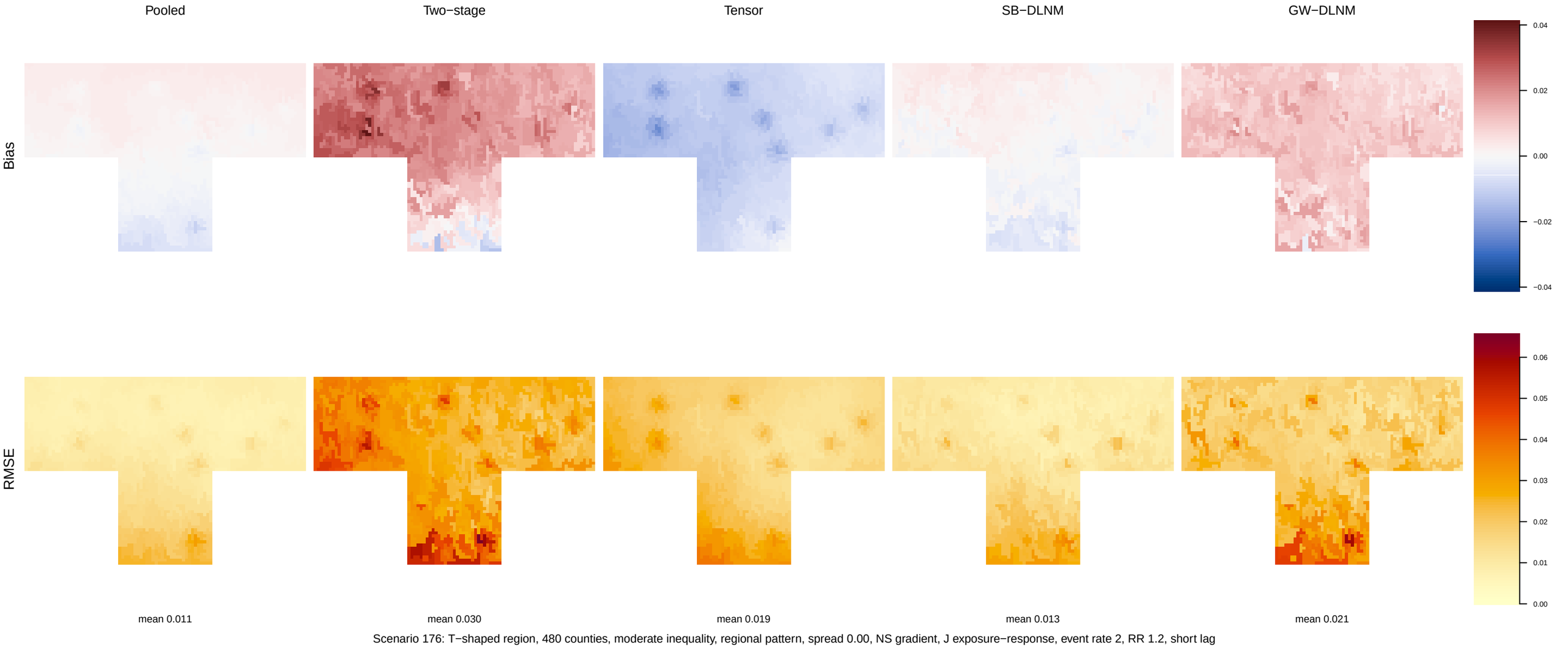
Scenario 848: T−shaped region, 480 counties, equal inequality, local pattern, spread 0.50, ridge gradient, linear exposure−response, event rate 0.5, RR 1.4, short lag



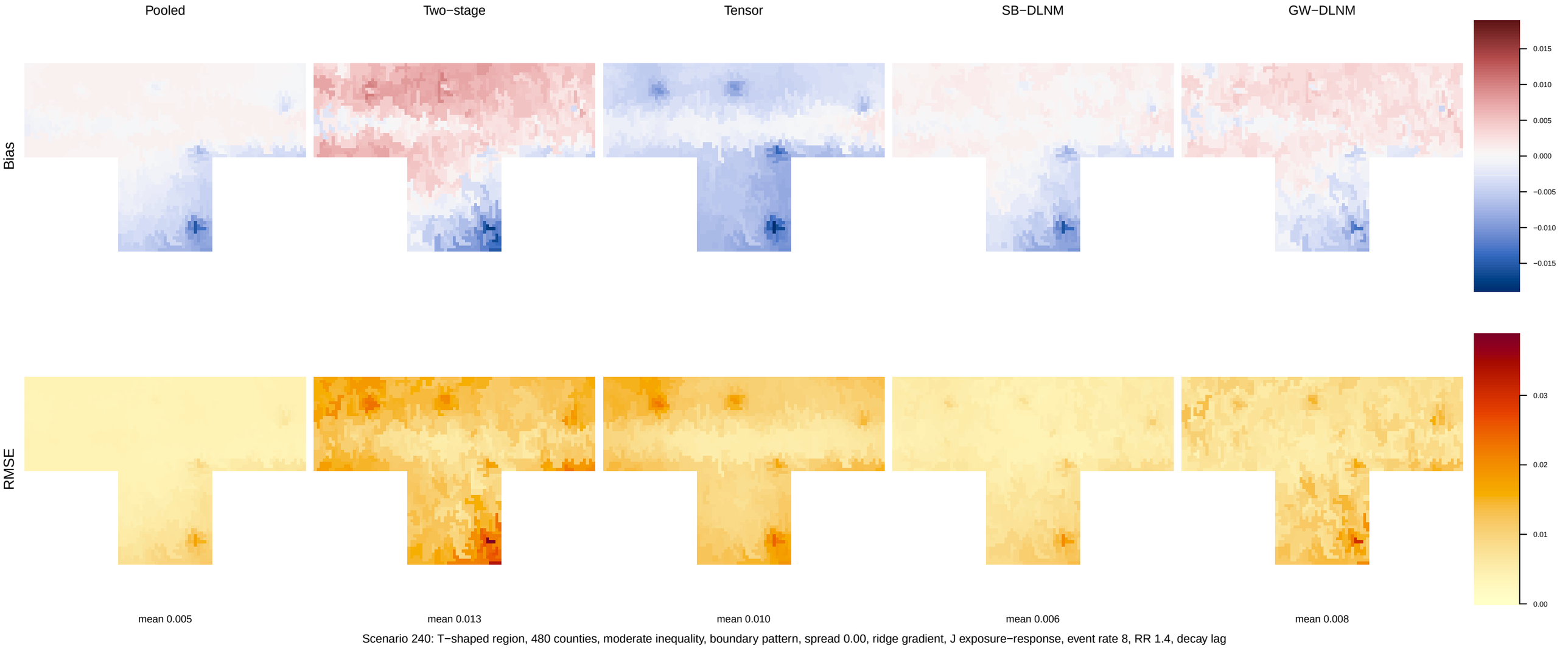
Scenario 912: T−shaped region, 480 counties, equal inequality, regional pattern, spread 0.50, valley gradient, linear exposure−response, event rate 2, RR 1.0, harvest lag



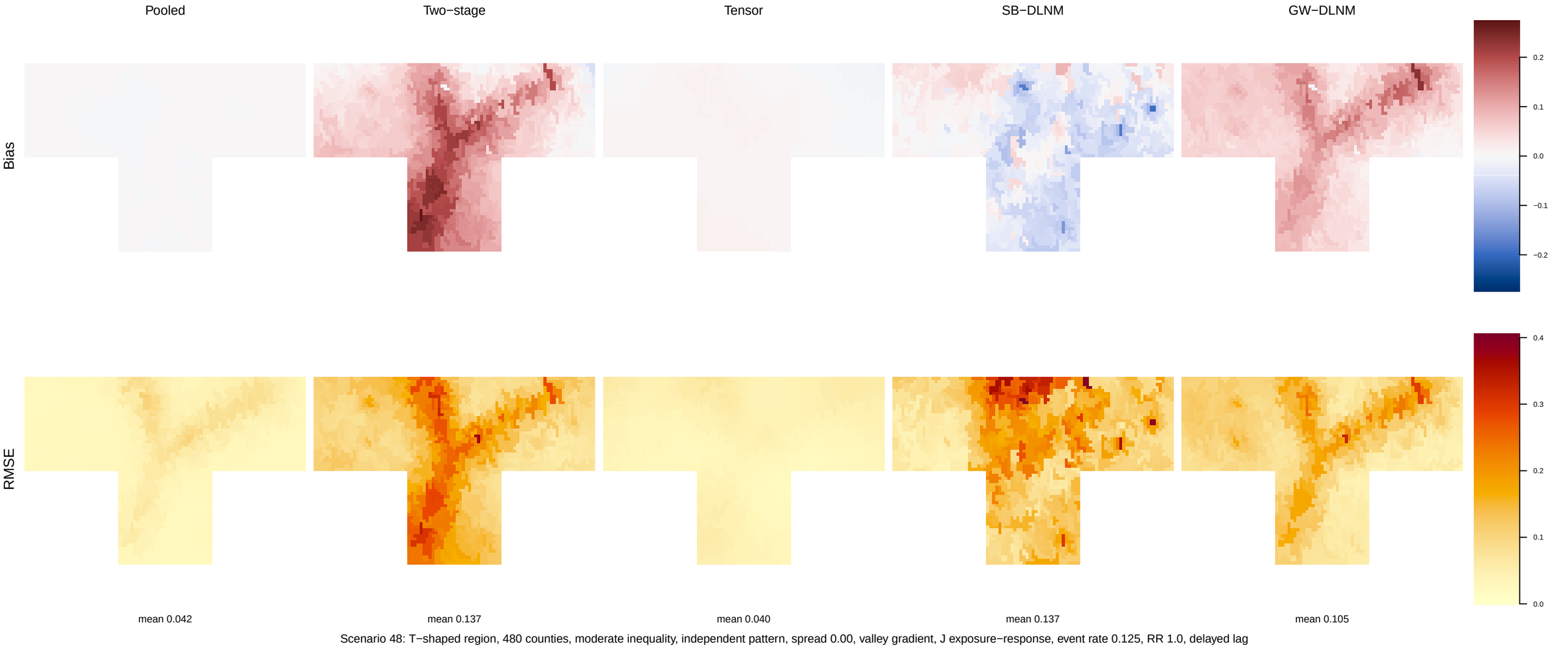
Scenario 112: T−shaped region, 480 counties, moderate inequality, local pattern, spread 0.00, edges gradient, J exposure−response, event rate 0.5, RR 1.6, harvest lag



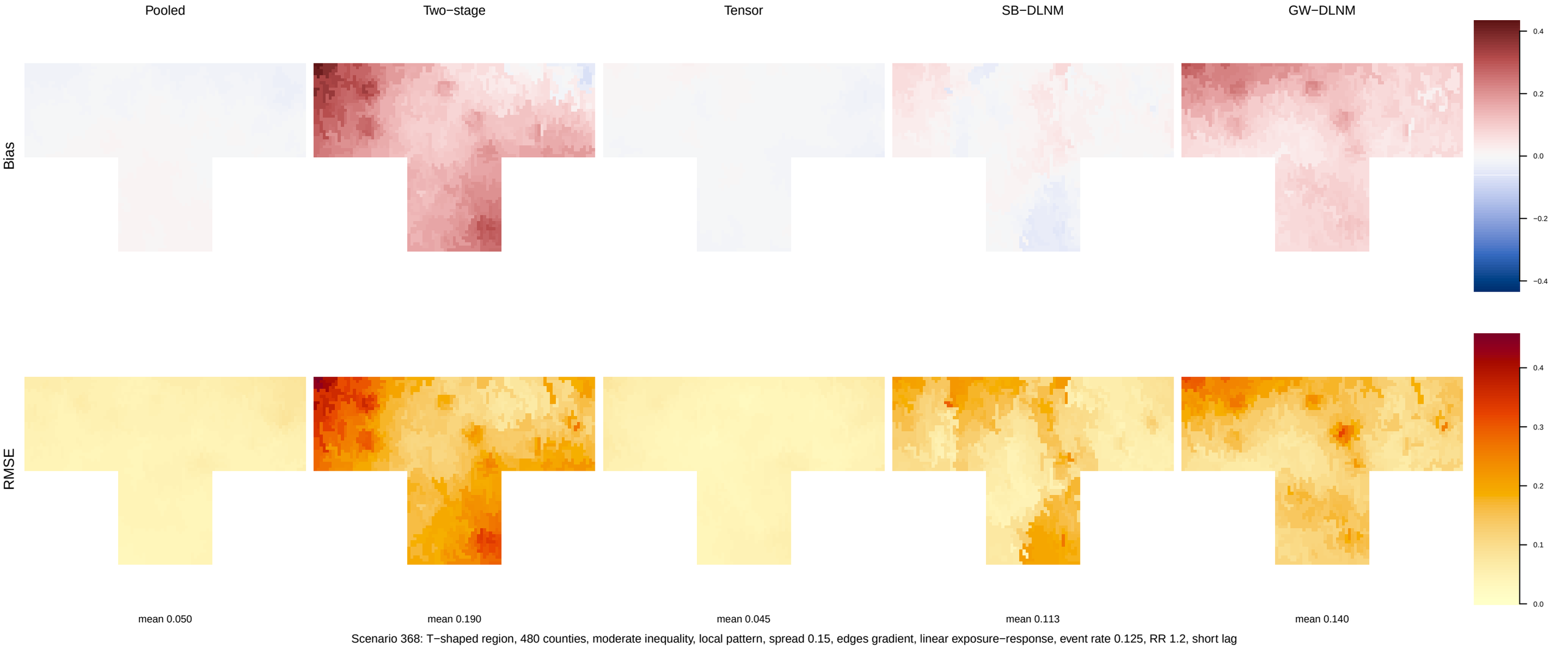
Scenario 176: T−shaped region, 480 counties, moderate inequality, regional pattern, spread 0.00, NS gradient, J exposure−response, event rate 2, RR 1.2, short lag



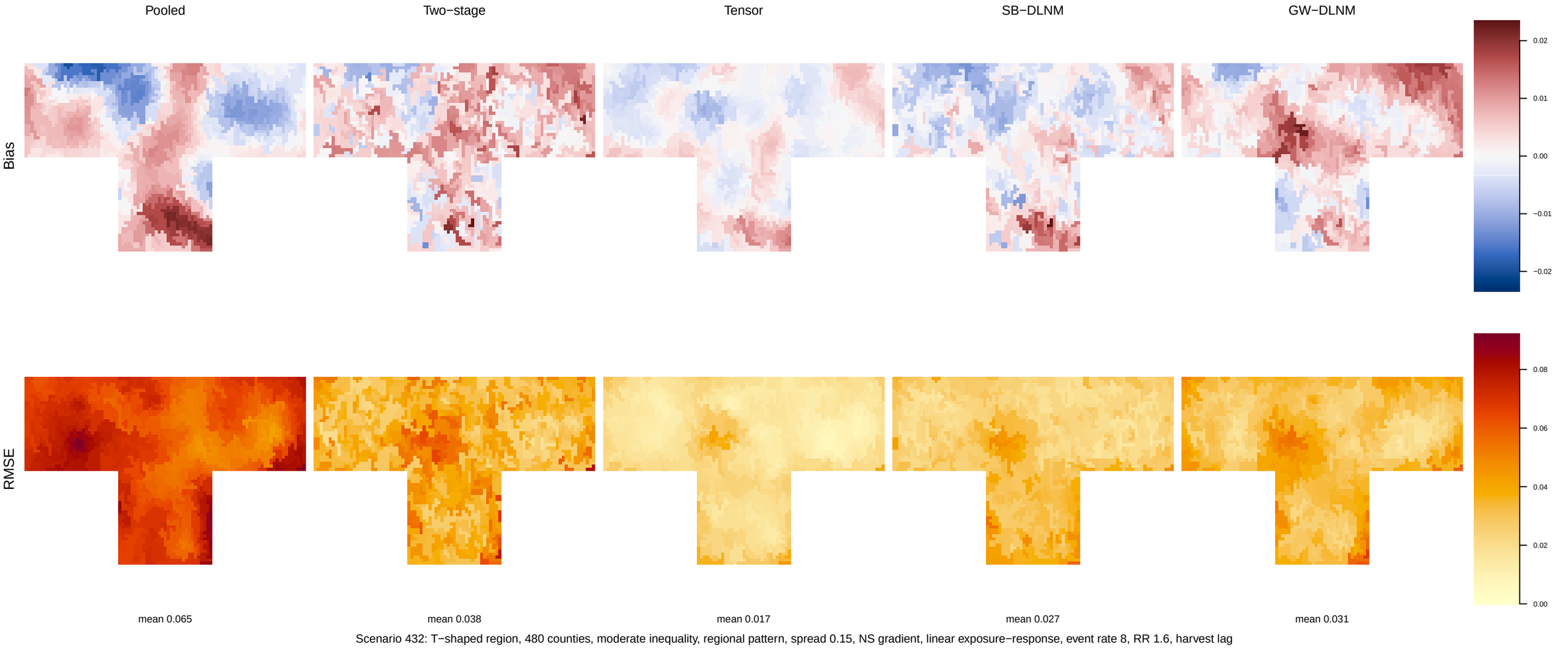
Scenario 240: T−shaped region, 480 counties, moderate inequality, boundary pattern, spread 0.00, ridge gradient, J exposure−response, event rate 8, RR 1.4, decay lag



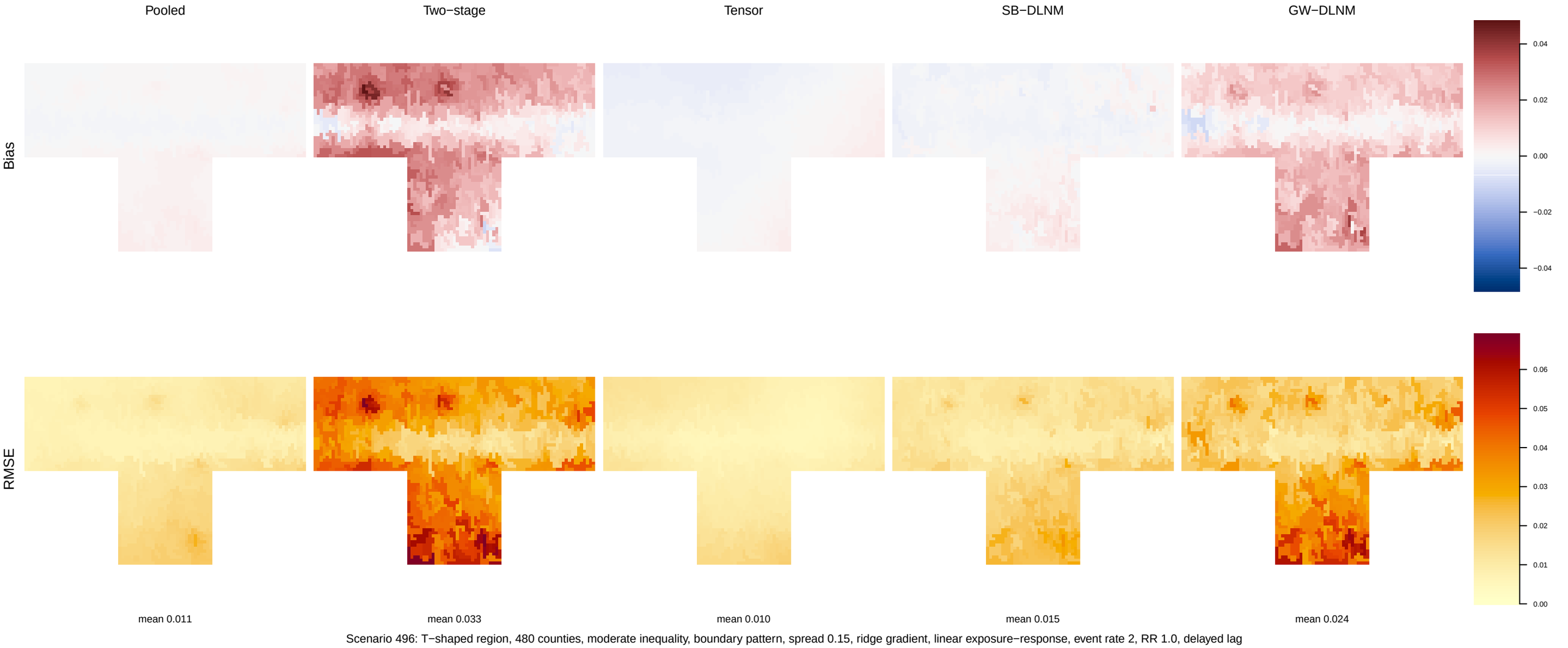
Scenario 48: T−shaped region, 480 counties, moderate inequality, independent pattern, spread 0.00, valley gradient, J exposure−response, event rate 0.125, RR 1.0, delayed lag



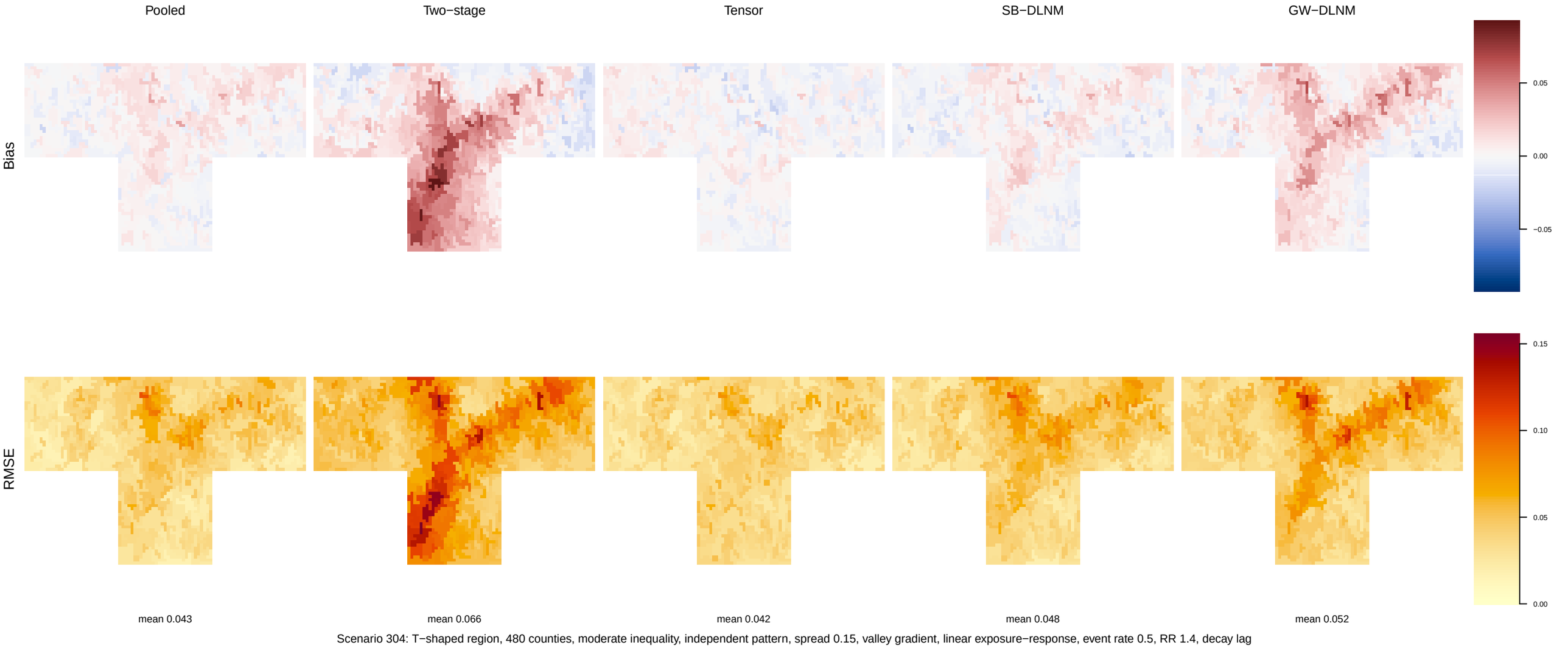
Scenario 368: T−shaped region, 480 counties, moderate inequality, local pattern, spread 0.15, edges gradient, linear exposure−response, event rate 0.125, RR 1.2, short lag



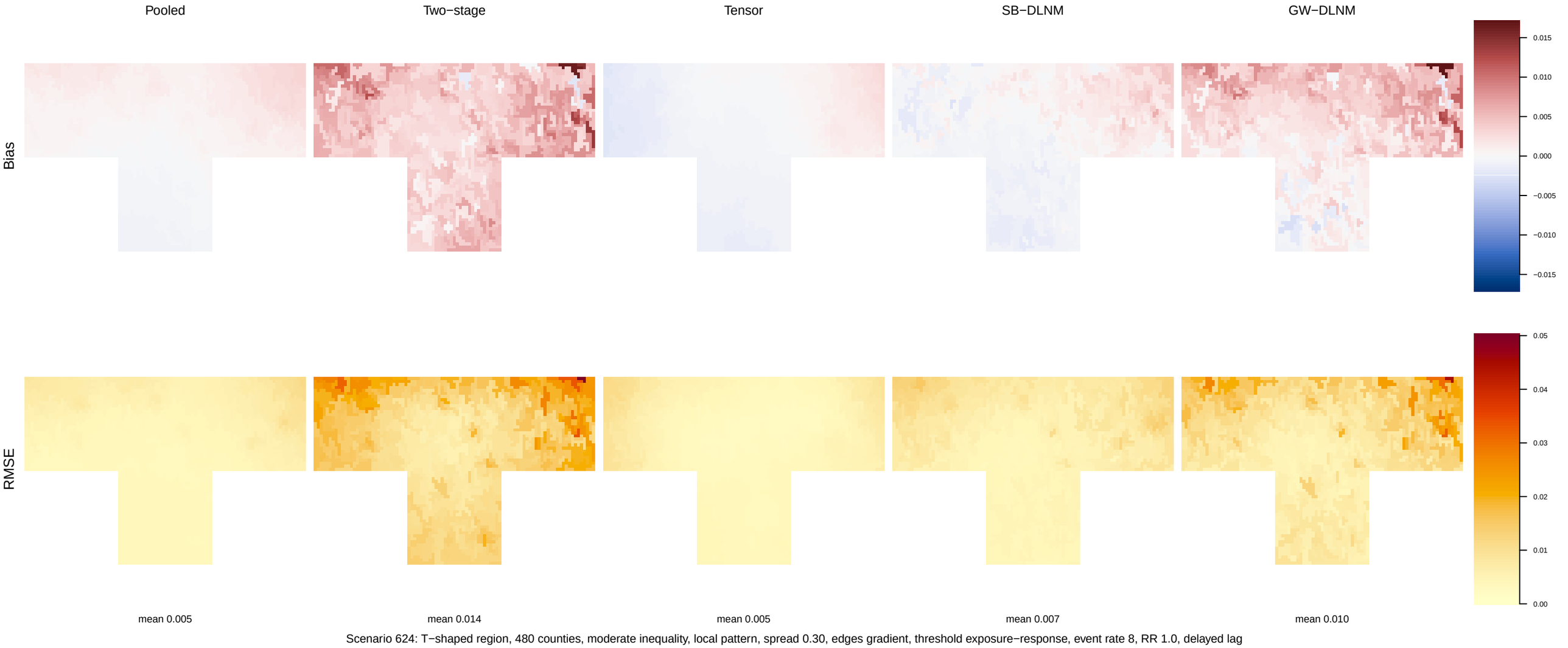
Scenario 432: T−shaped region, 480 counties, moderate inequality, regional pattern, spread 0.15, NS gradient, linear exposure−response, event rate 8, RR 1.6, harvest lag



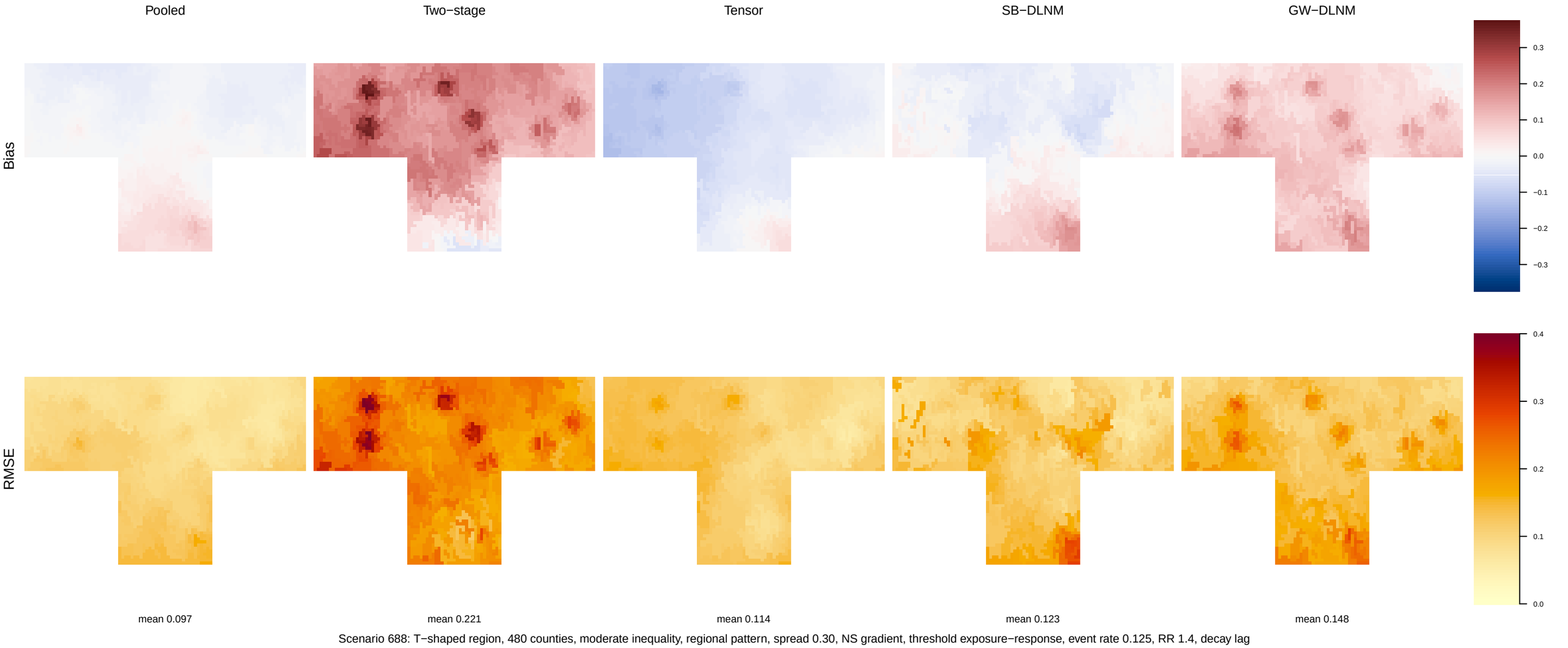
Scenario 496: T−shaped region, 480 counties, moderate inequality, boundary pattern, spread 0.15, ridge gradient, linear exposure−response, event rate 2, RR 1.0, delayed lag



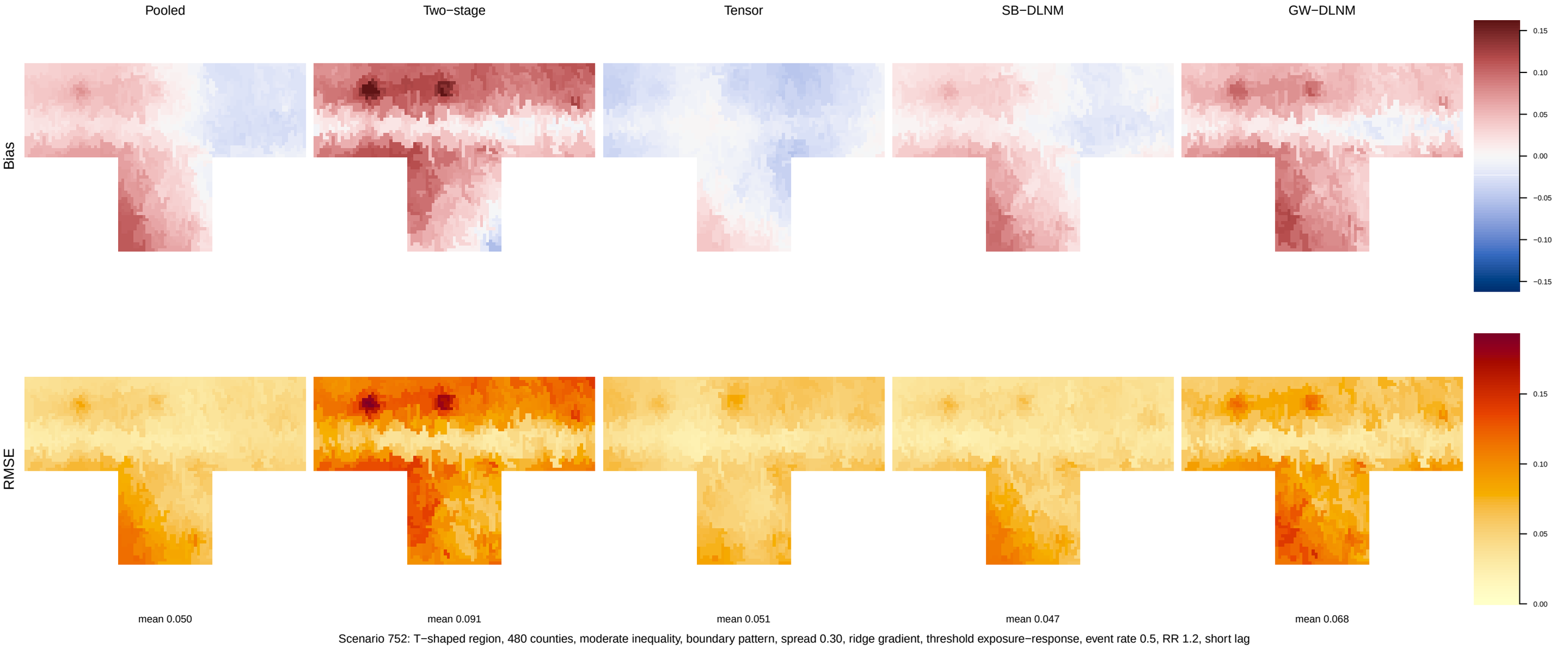
Scenario 304: T−shaped region, 480 counties, moderate inequality, independent pattern, spread 0.15, valley gradient, linear exposure−response, event rate 0.5, RR 1.4, decay lag



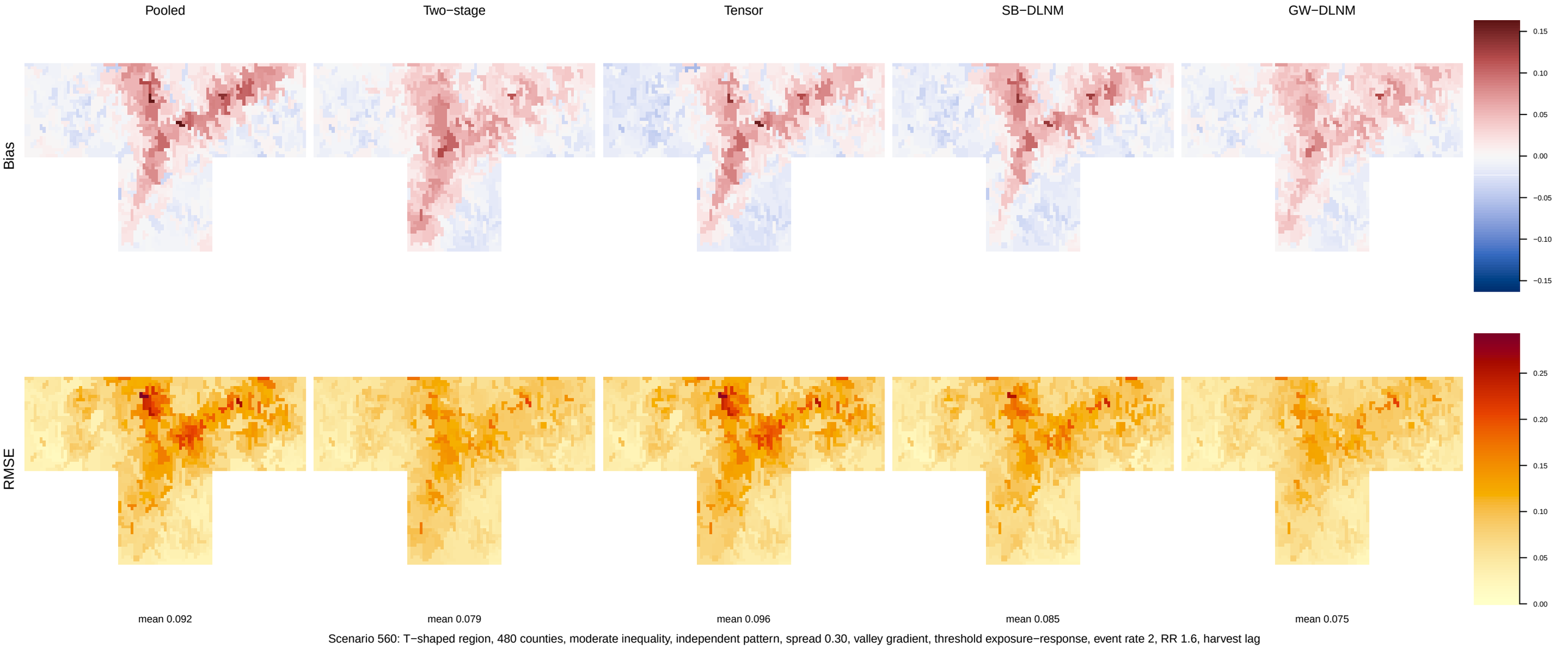
Scenario 624: T−shaped region, 480 counties, moderate inequality, local pattern, spread 0.30, edges gradient, threshold exposure−response, event rate 8, RR 1.0, delayed lag



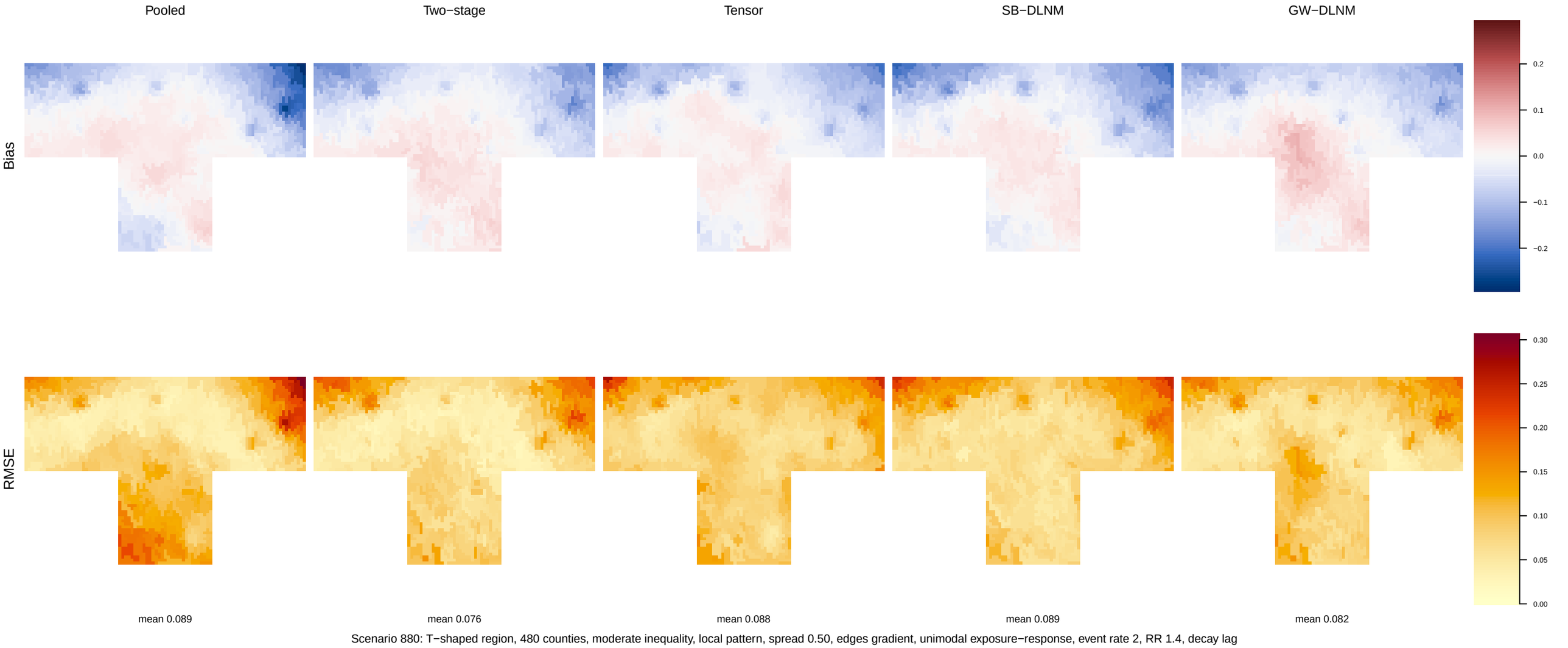
Scenario 688: T−shaped region, 480 counties, moderate inequality, regional pattern, spread 0.30, NS gradient, threshold exposure−response, event rate 0.125, RR 1.4, decay lag



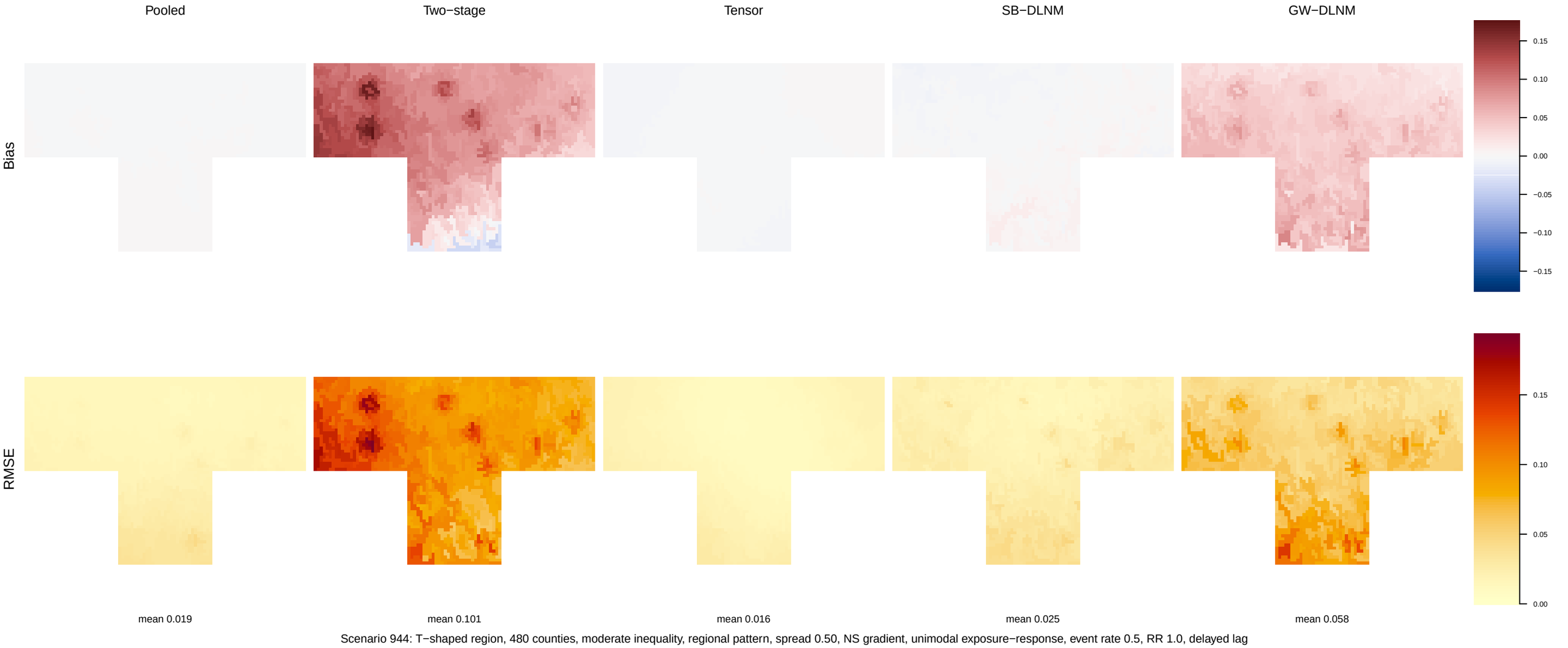
Scenario 752: T−shaped region, 480 counties, moderate inequality, boundary pattern, spread 0.30, ridge gradient, threshold exposure−response, event rate 0.5, RR 1.2, short lag



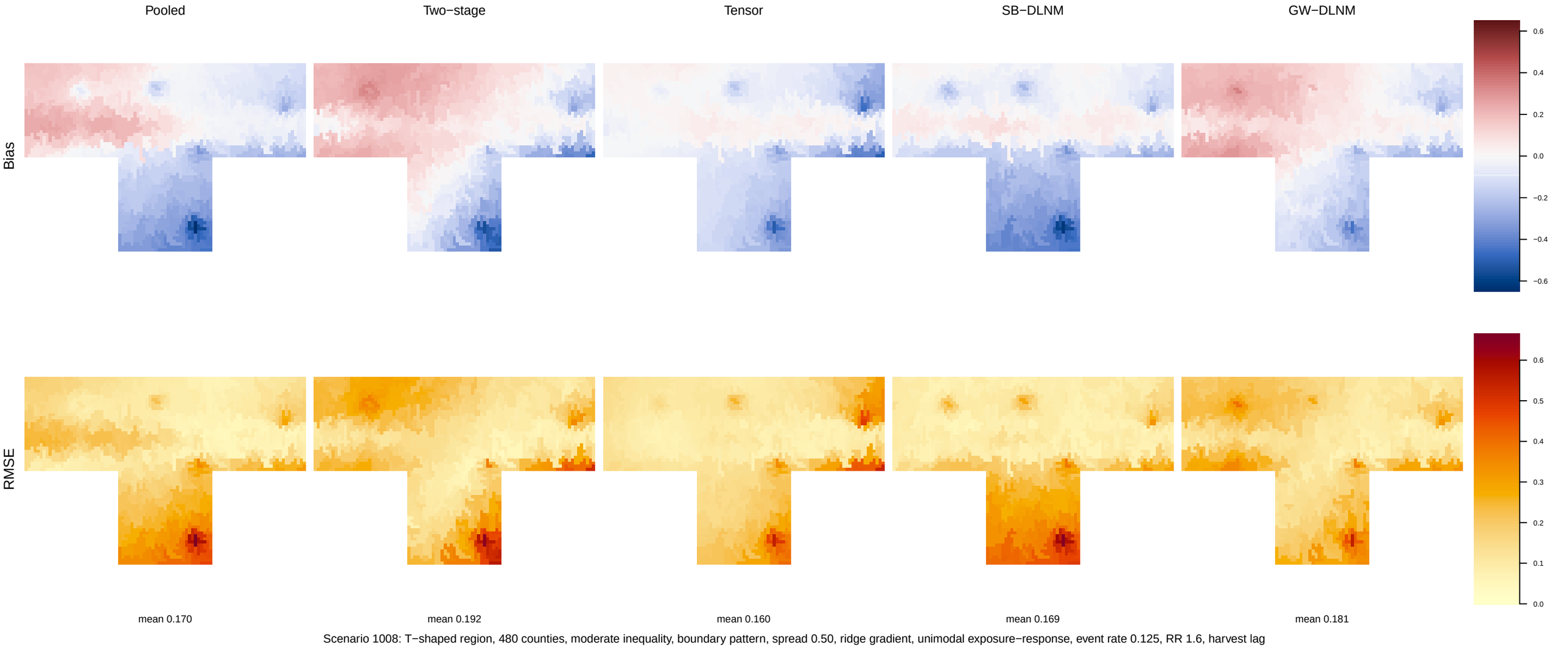
Scenario 560: T−shaped region, 480 counties, moderate inequality, independent pattern, spread 0.30, valley gradient, threshold exposure−response, event rate 2, RR 1.6, harvest lag



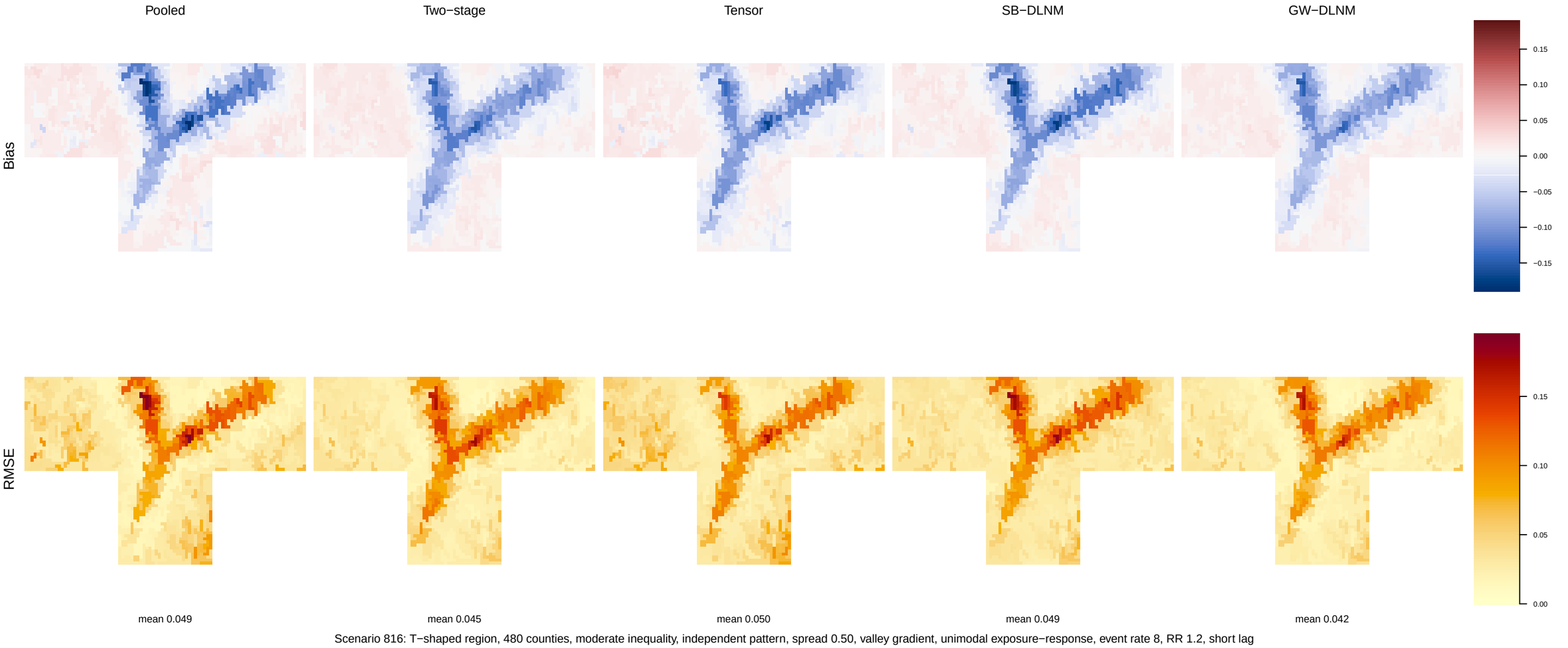
Scenario 880: T−shaped region, 480 counties, moderate inequality, local pattern, spread 0.50, edges gradient, unimodal exposure−response, event rate 2, RR 1.4, decay lag



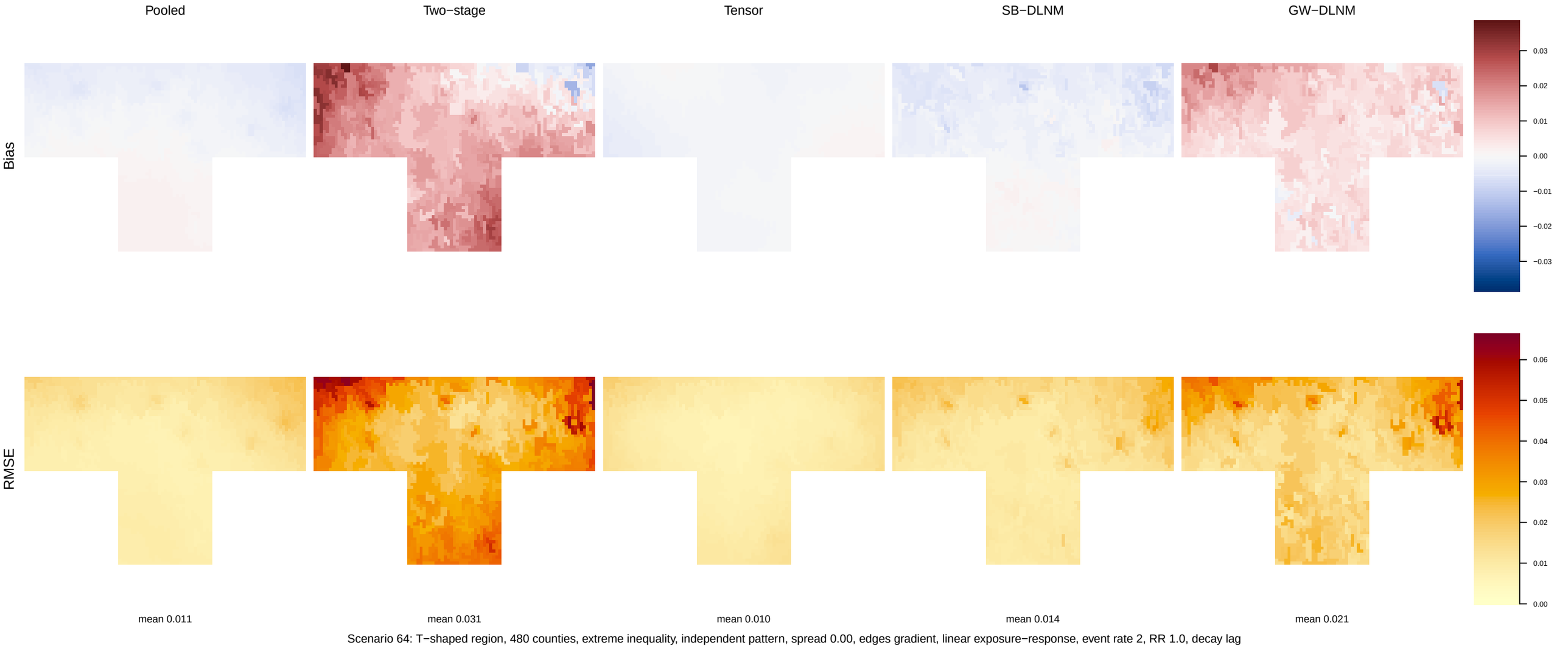
Scenario 944: T−shaped region, 480 counties, moderate inequality, regional pattern, spread 0.50, NS gradient, unimodal exposure−response, event rate 0.5, RR 1.0, delayed lag



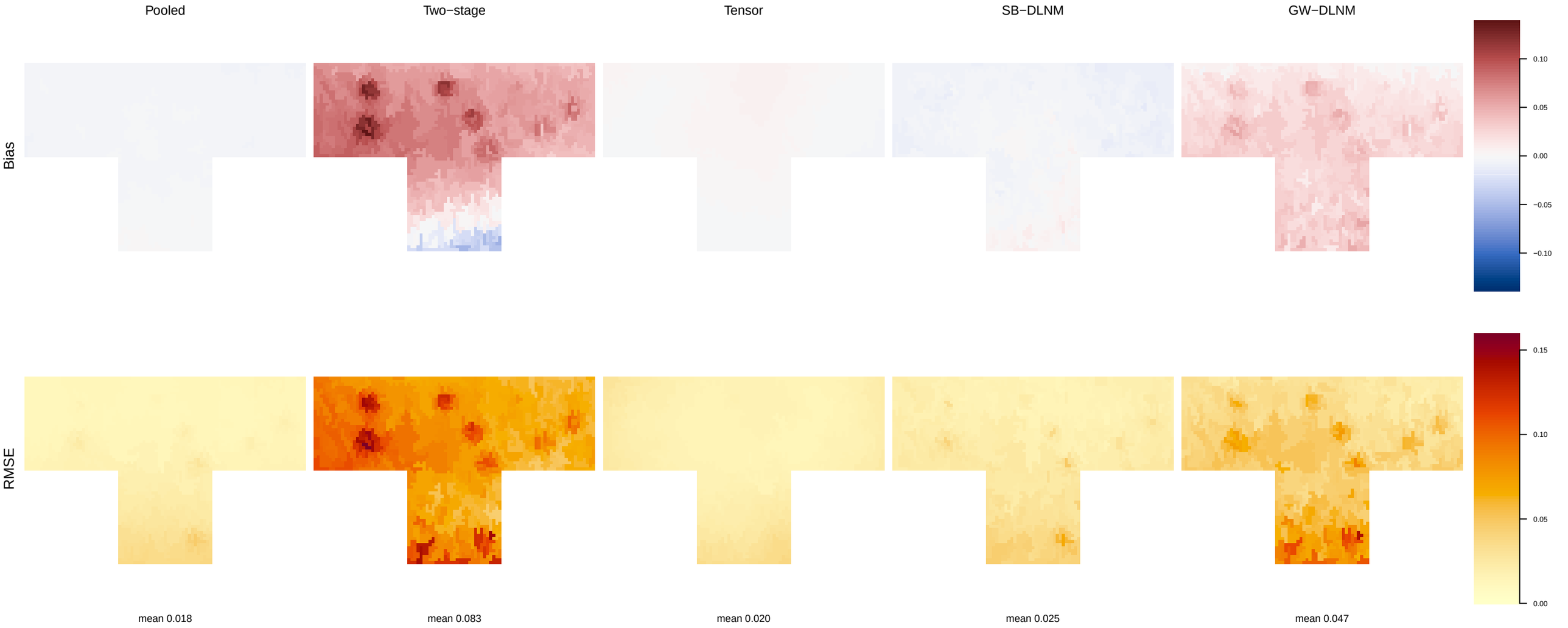
Scenario 1008: T−shaped region, 480 counties, moderate inequality, boundary pattern, spread 0.50, ridge gradient, unimodal exposure−response, event rate 0.125, RR 1.6, harvest lag



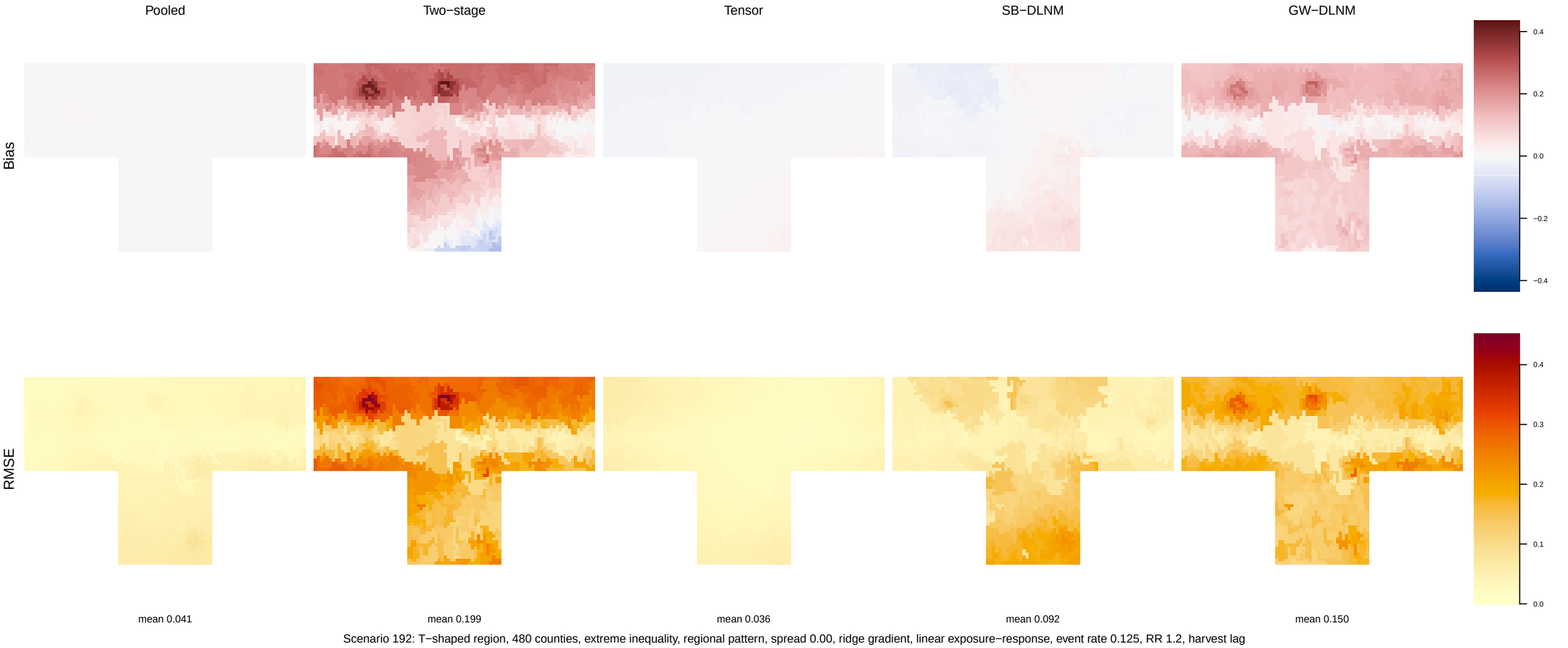
Scenario 816: T−shaped region, 480 counties, moderate inequality, independent pattern, spread 0.50, valley gradient, unimodal exposure−response, event rate 8, RR 1.2, short lag



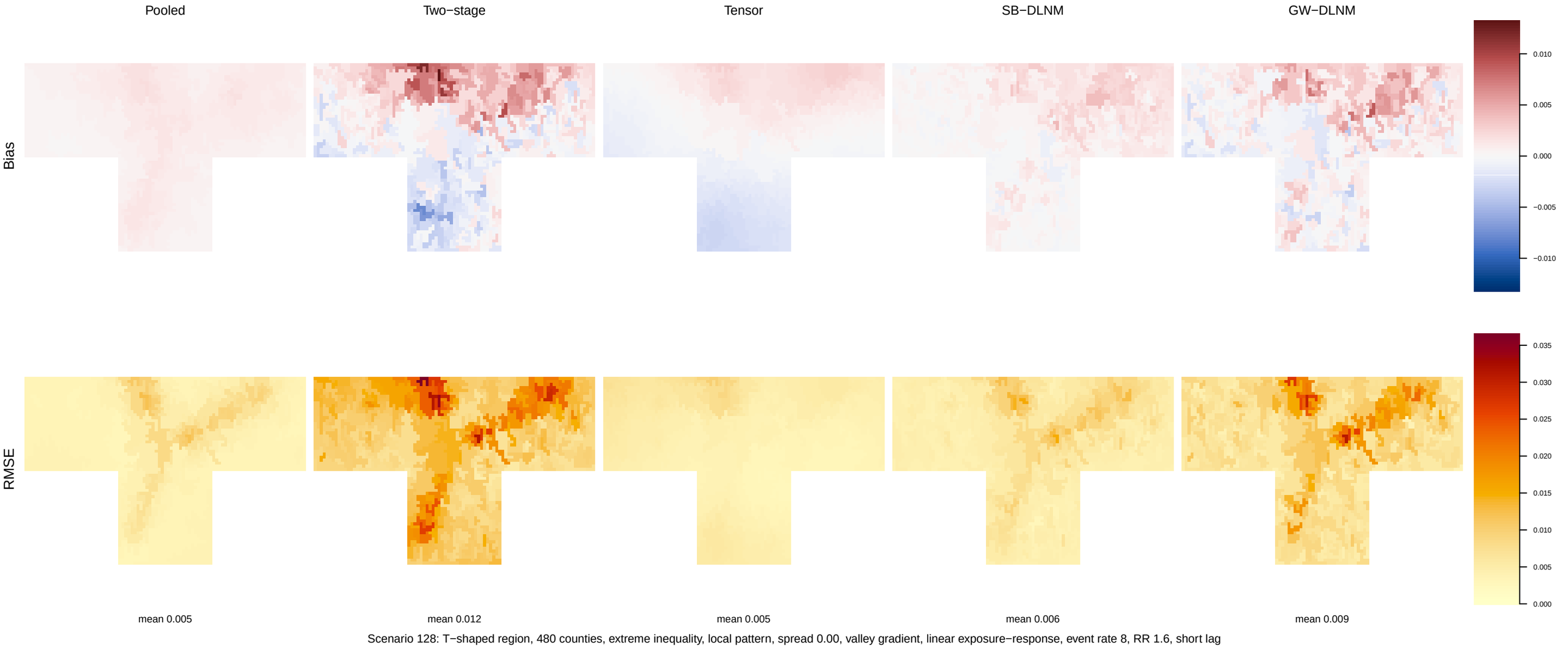
Scenario 64: T−shaped region, 480 counties, extreme inequality, independent pattern, spread 0.00, edges gradient, linear exposure−response, event rate 2, RR 1.0, decay lag



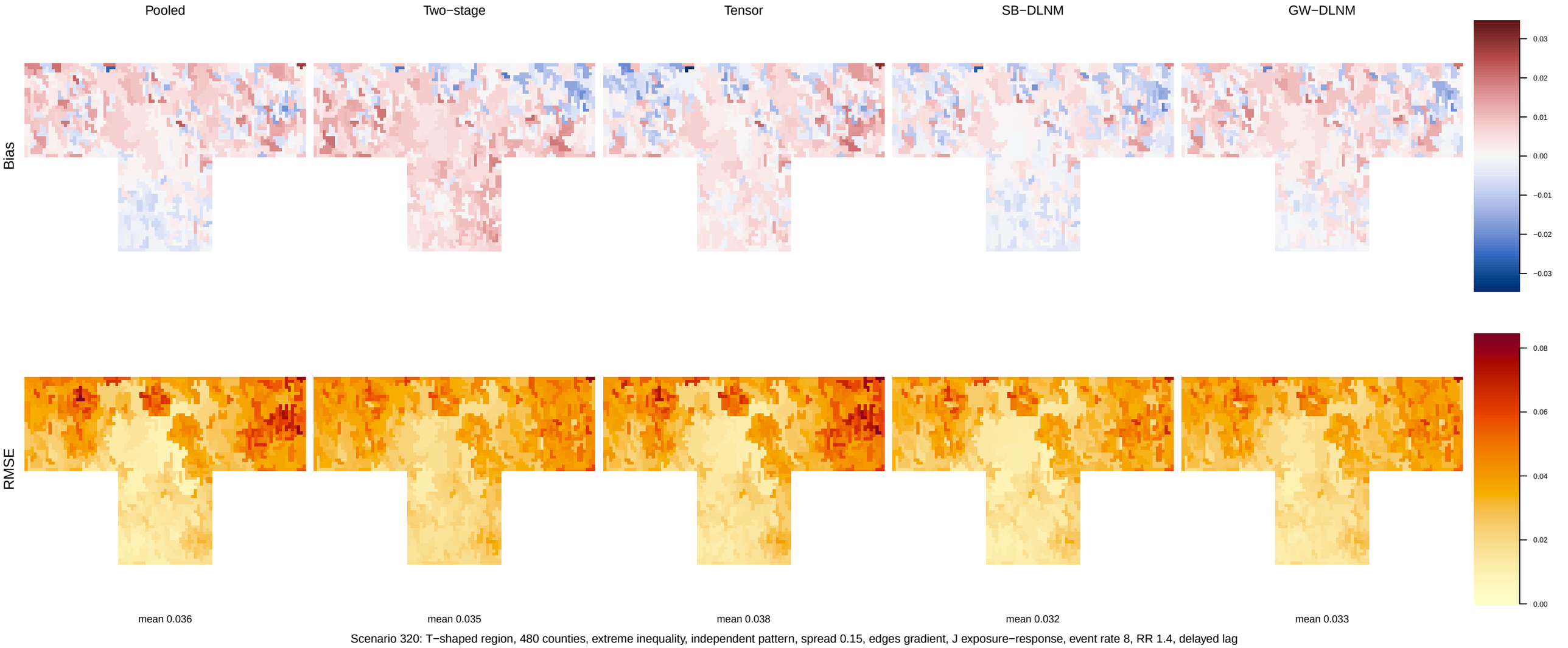
Scenario 256: T−shaped region, 480 counties, extreme inequality, boundary pattern, spread 0.00, NS gradient, linear exposure−response, event rate 0.5, RR 1.4, delayed lag



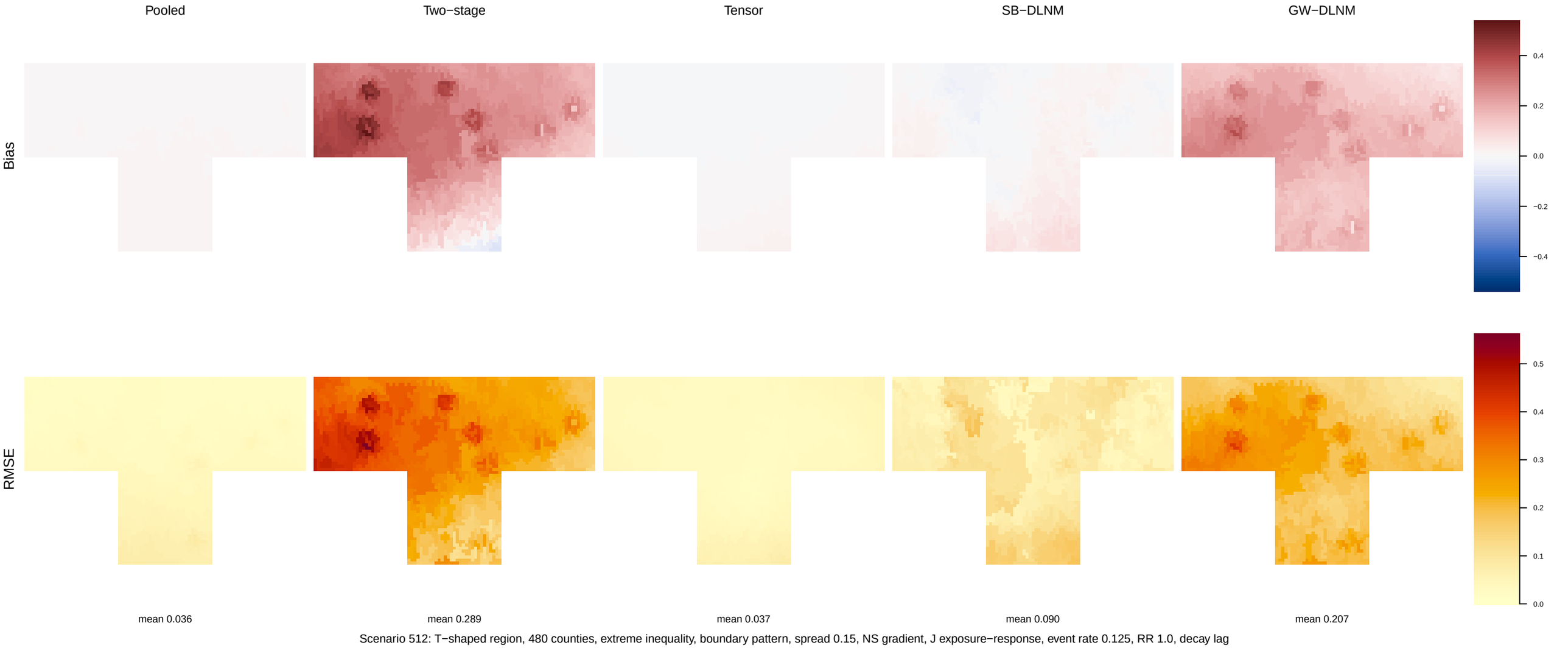
Scenario 192: T−shaped region, 480 counties, extreme inequality, regional pattern, spread 0.00, ridge gradient, linear exposure−response, event rate 0.125, RR 1.2, harvest lag



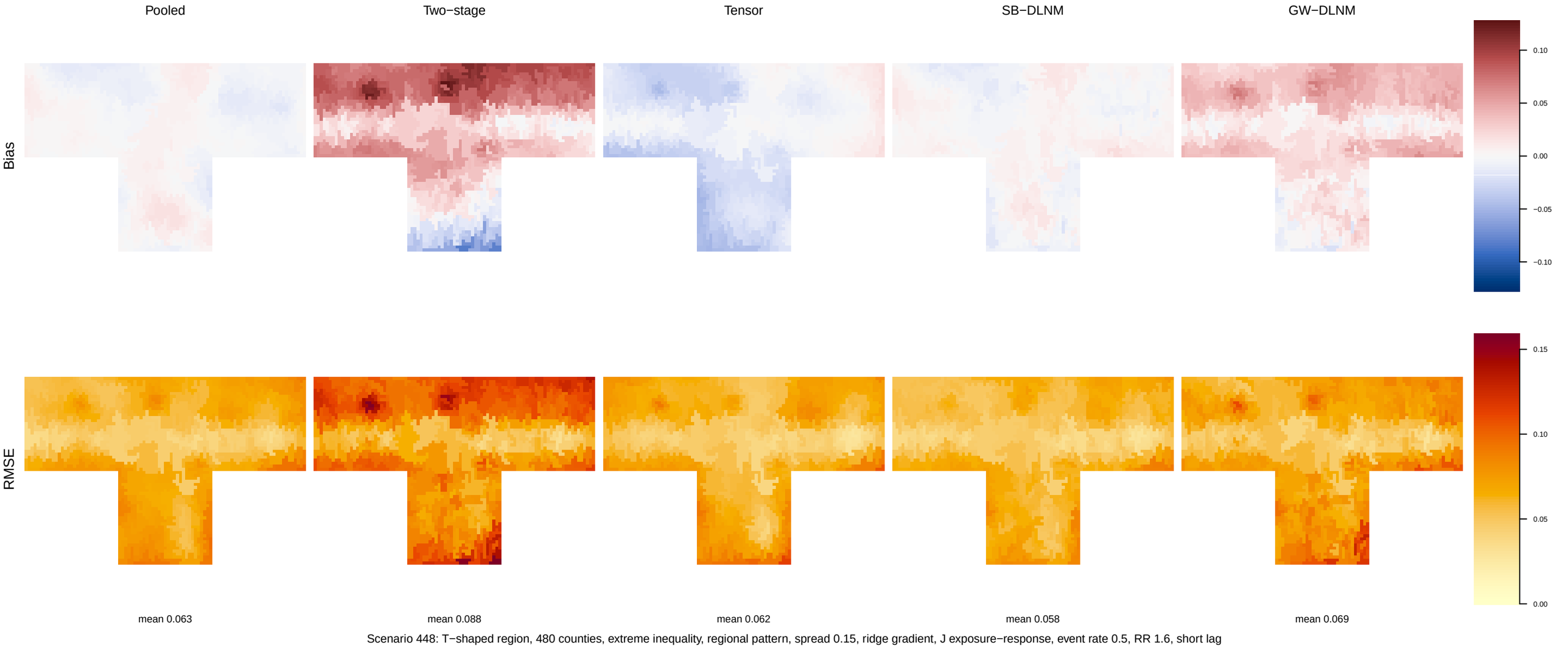
Scenario 128: T−shaped region, 480 counties, extreme inequality, local pattern, spread 0.00, valley gradient, linear exposure−response, event rate 8, RR 1.6, short lag



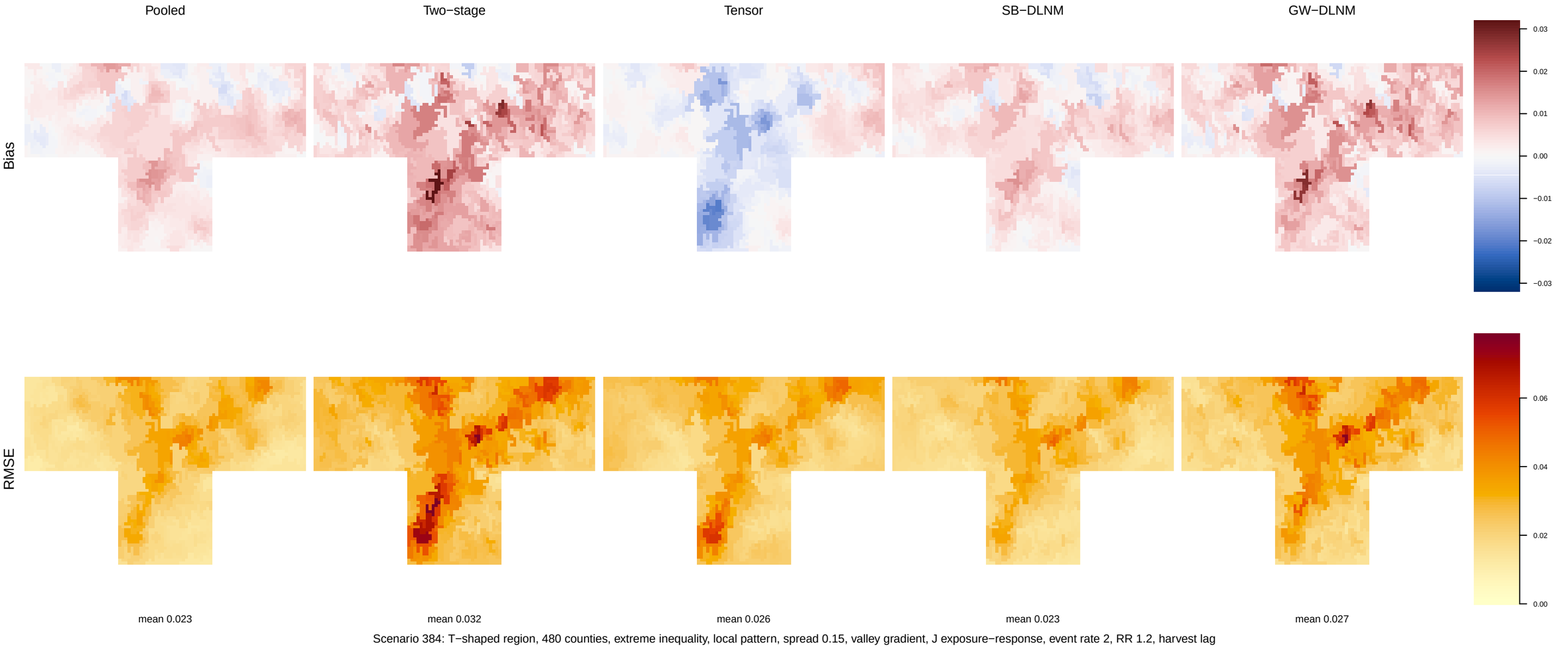
Scenario 320: T−shaped region, 480 counties, extreme inequality, independent pattern, spread 0.15, edges gradient, J exposure−response, event rate 8, RR 1.4, delayed lag



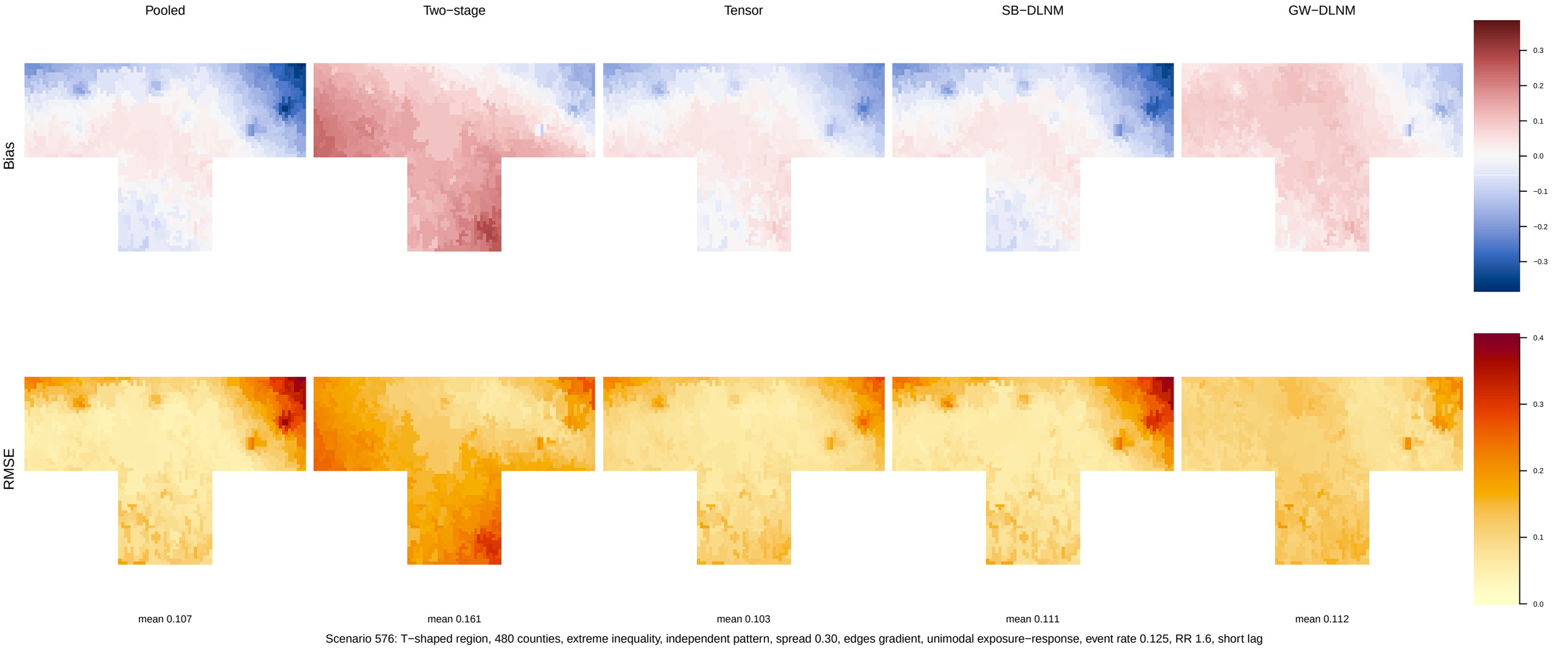
Scenario 512: T−shaped region, 480 counties, extreme inequality, boundary pattern, spread 0.15, NS gradient, J exposure−response, event rate 0.125, RR 1.0, decay lag



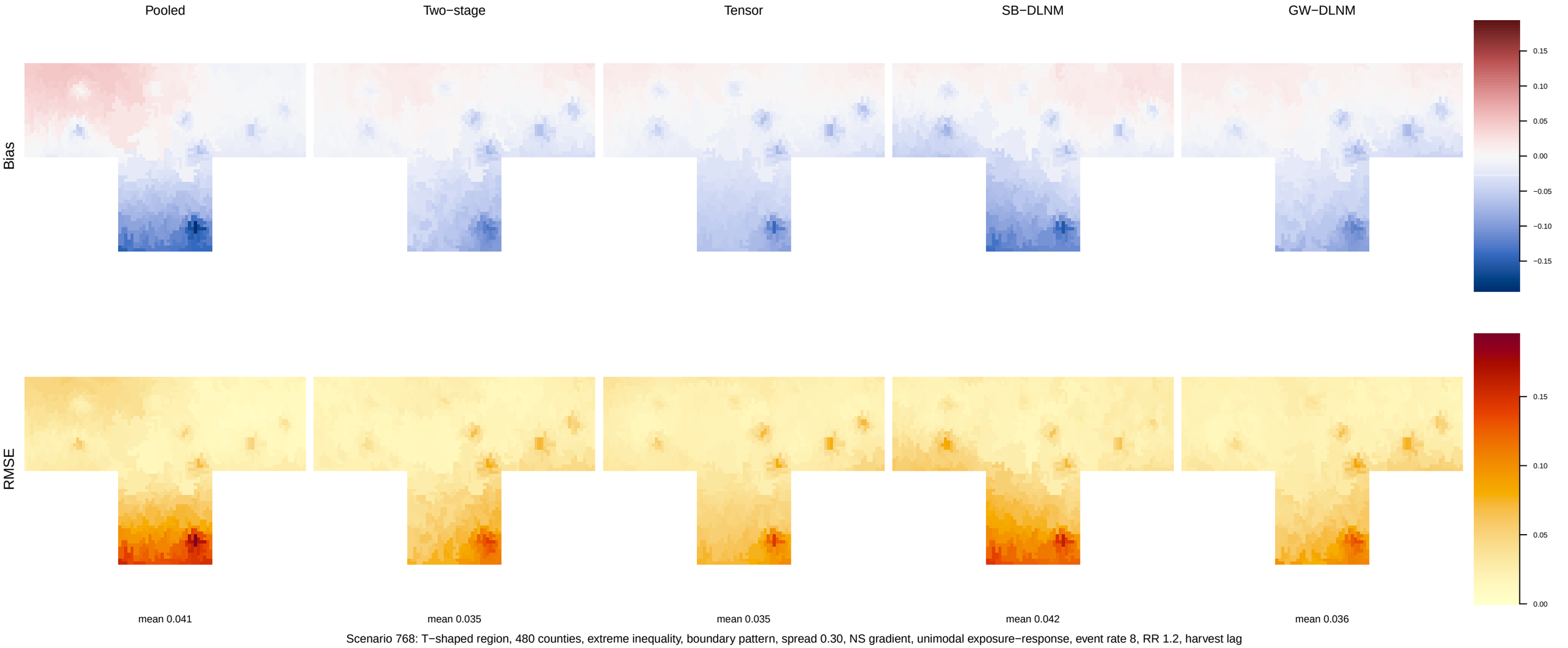
Scenario 448: T−shaped region, 480 counties, extreme inequality, regional pattern, spread 0.15, ridge gradient, J exposure−response, event rate 0.5, RR 1.6, short lag



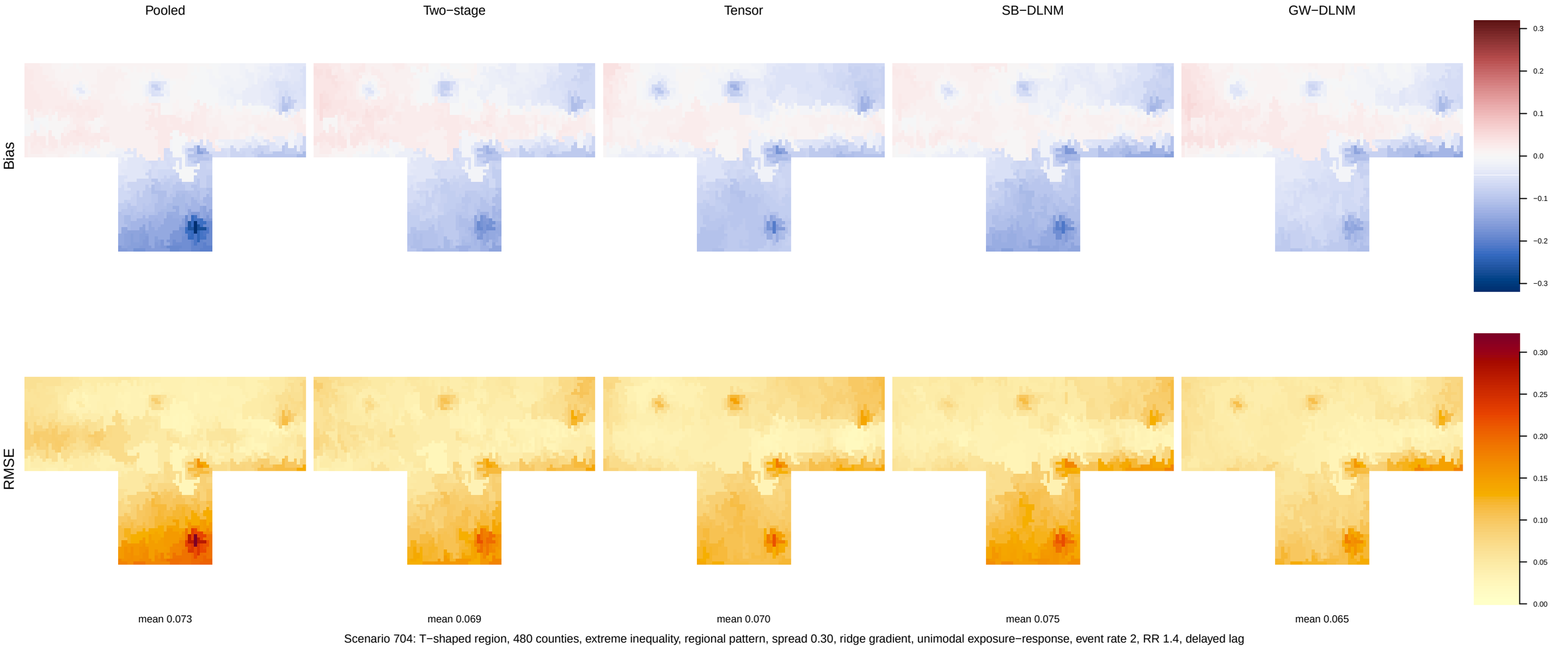
Scenario 384: T−shaped region, 480 counties, extreme inequality, local pattern, spread 0.15, valley gradient, J exposure−response, event rate 2, RR 1.2, harvest lag



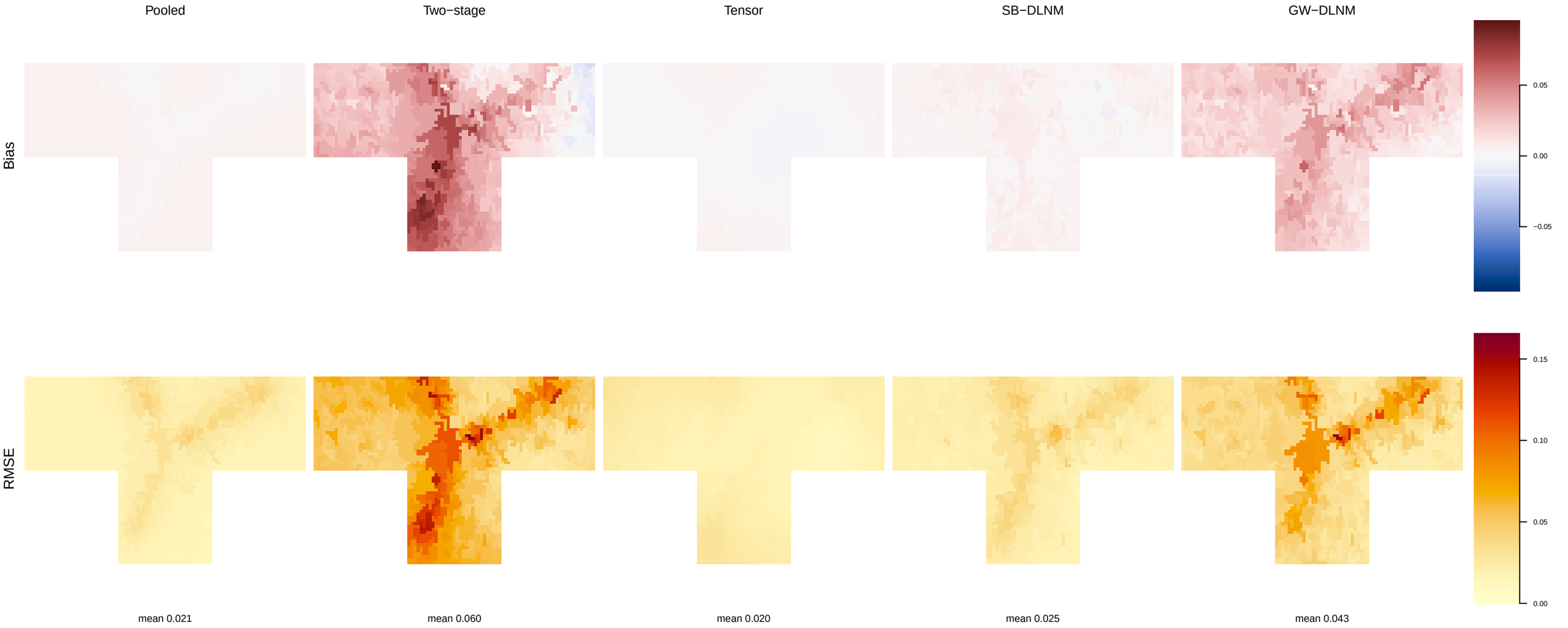
Scenario 576: T−shaped region, 480 counties, extreme inequality, independent pattern, spread 0.30, edges gradient, unimodal exposure−response, event rate 0.125, RR 1.6, short lag



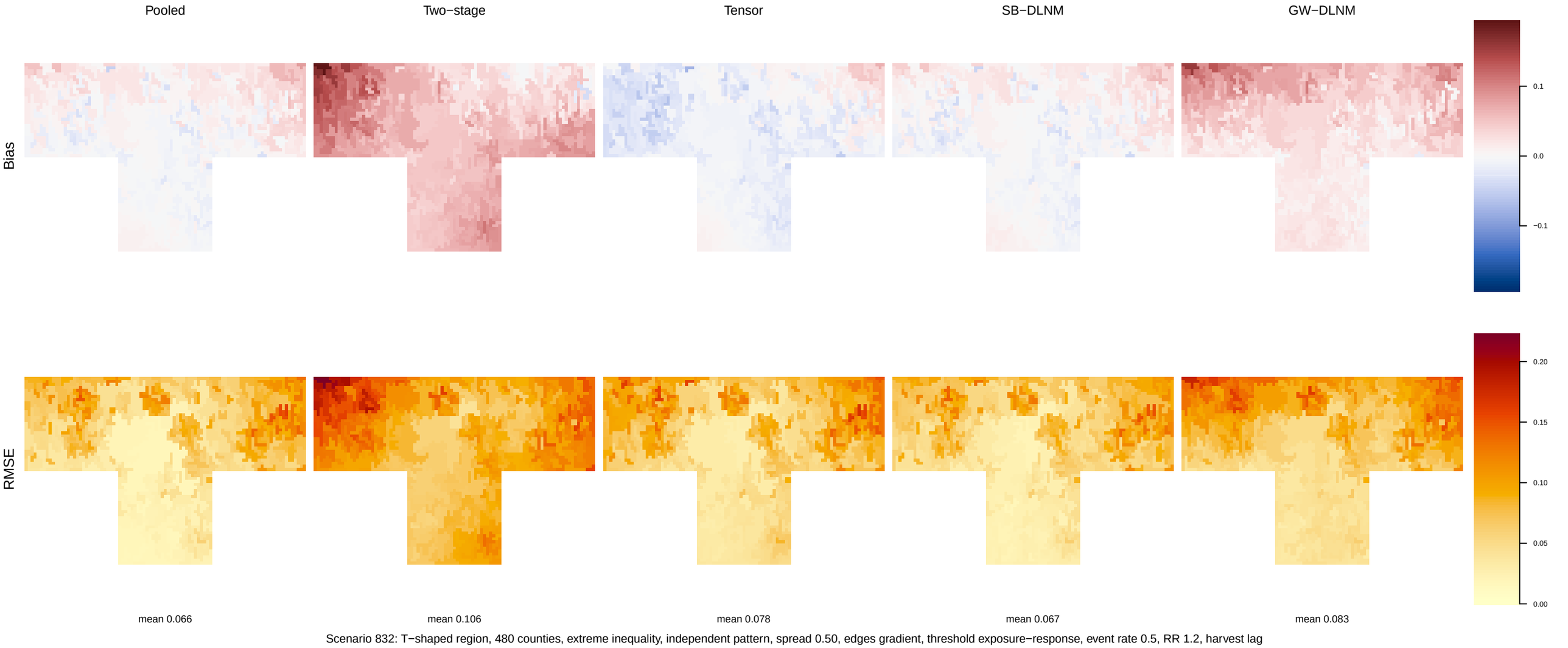
Scenario 768: T−shaped region, 480 counties, extreme inequality, boundary pattern, spread 0.30, NS gradient, unimodal exposure−response, event rate 8, RR 1.2, harvest lag

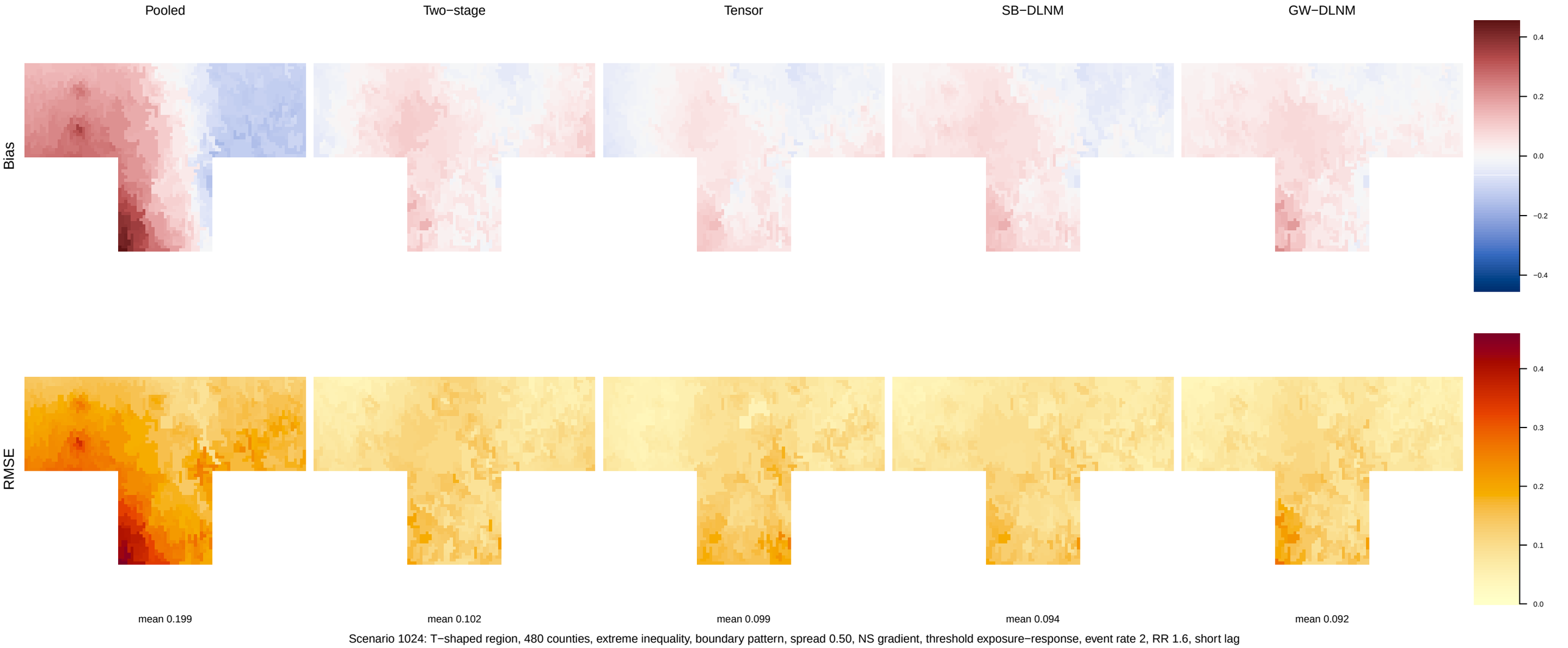


Scenario 704: T−shaped region, 480 counties, extreme inequality, regional pattern, spread 0.30, ridge gradient, unimodal exposure−response, event rate 2, RR 1.4, delayed lag

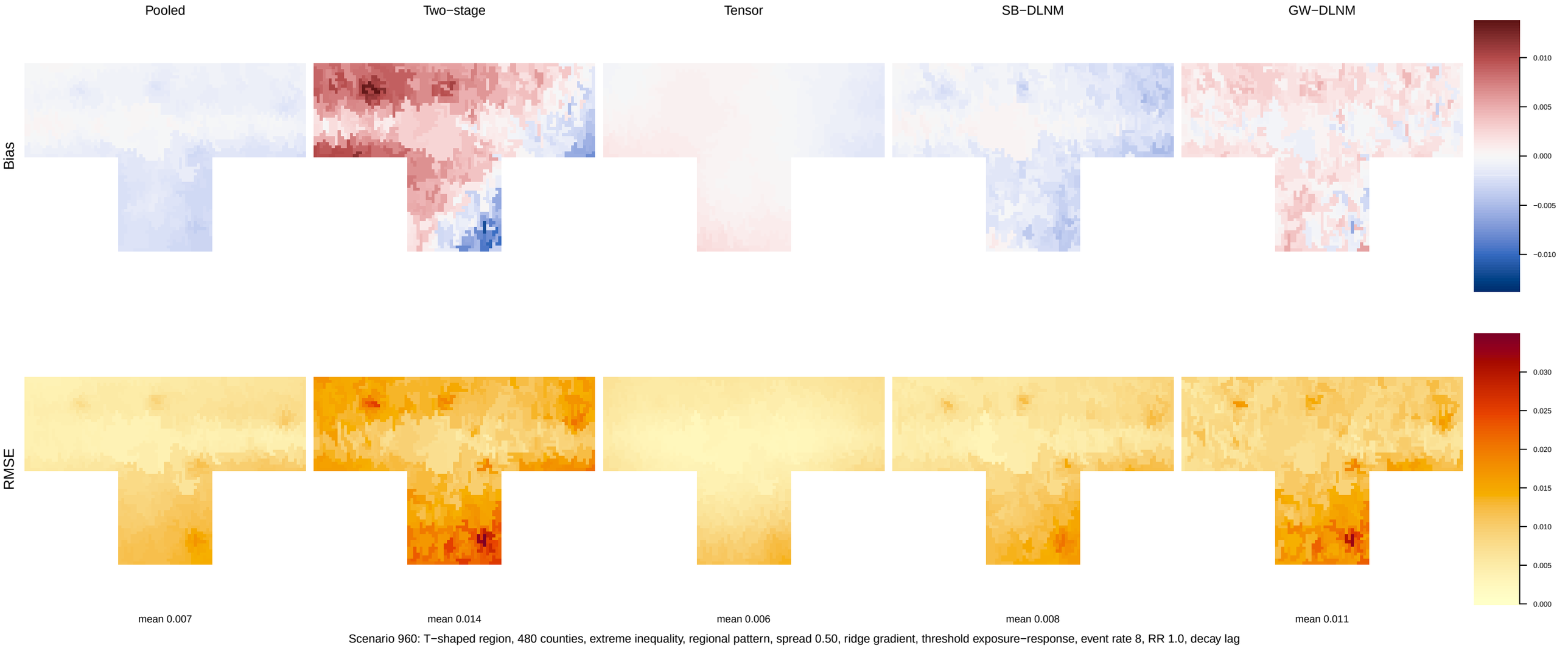


Scenario 640: T−shaped region, 480 counties, extreme inequality, local pattern, spread 0.30, valley gradient, unimodal exposure−response, event rate 0.5, RR 1.0, decay lag

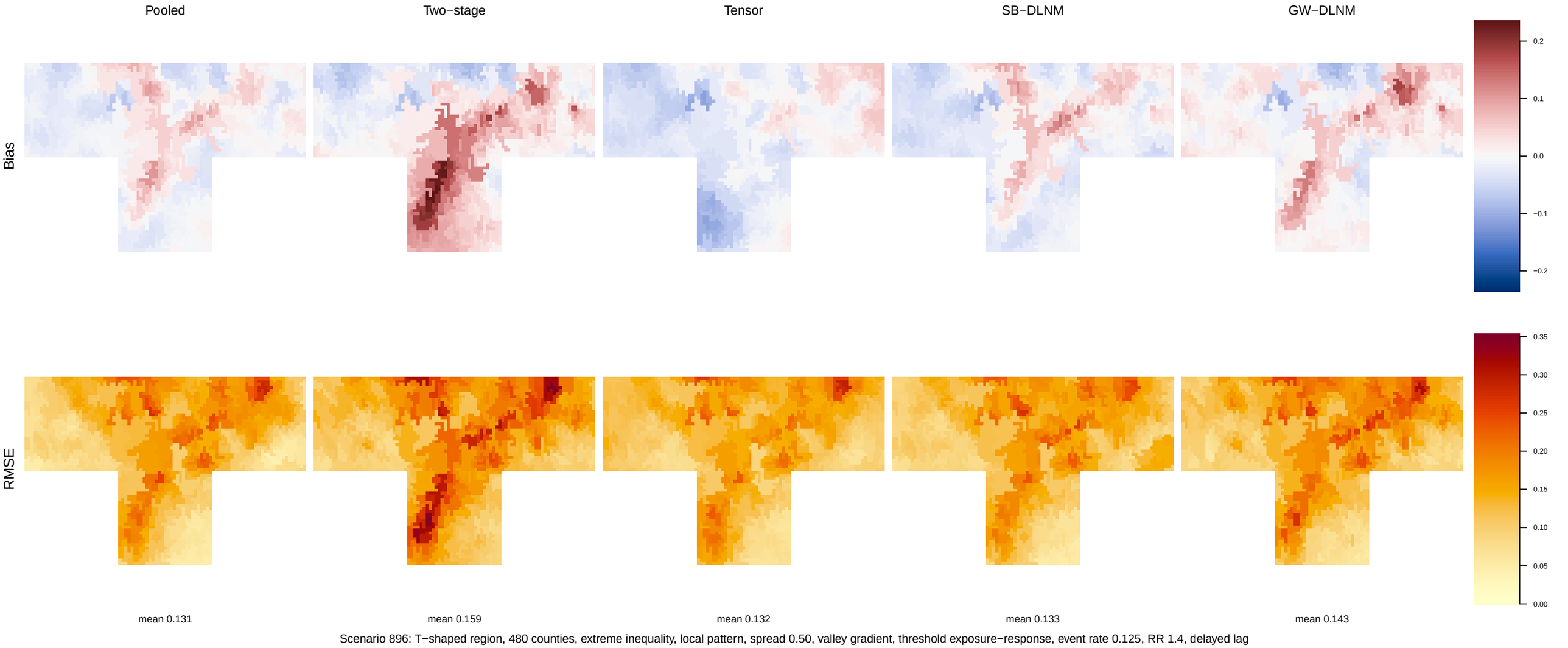

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.1
0.0
−0.1
0.20
0.15
0.10
0.05
0.00
mean 0.066
mean 0.106
mean 0.078
mean 0.067
mean 0.083
Scenario 832: T−shaped region, 480 counties, extreme inequality, independent pattern, spread 0.50, edges gradient, threshold exposure−response, event rate 0.5, RR 1.2, harvest lag



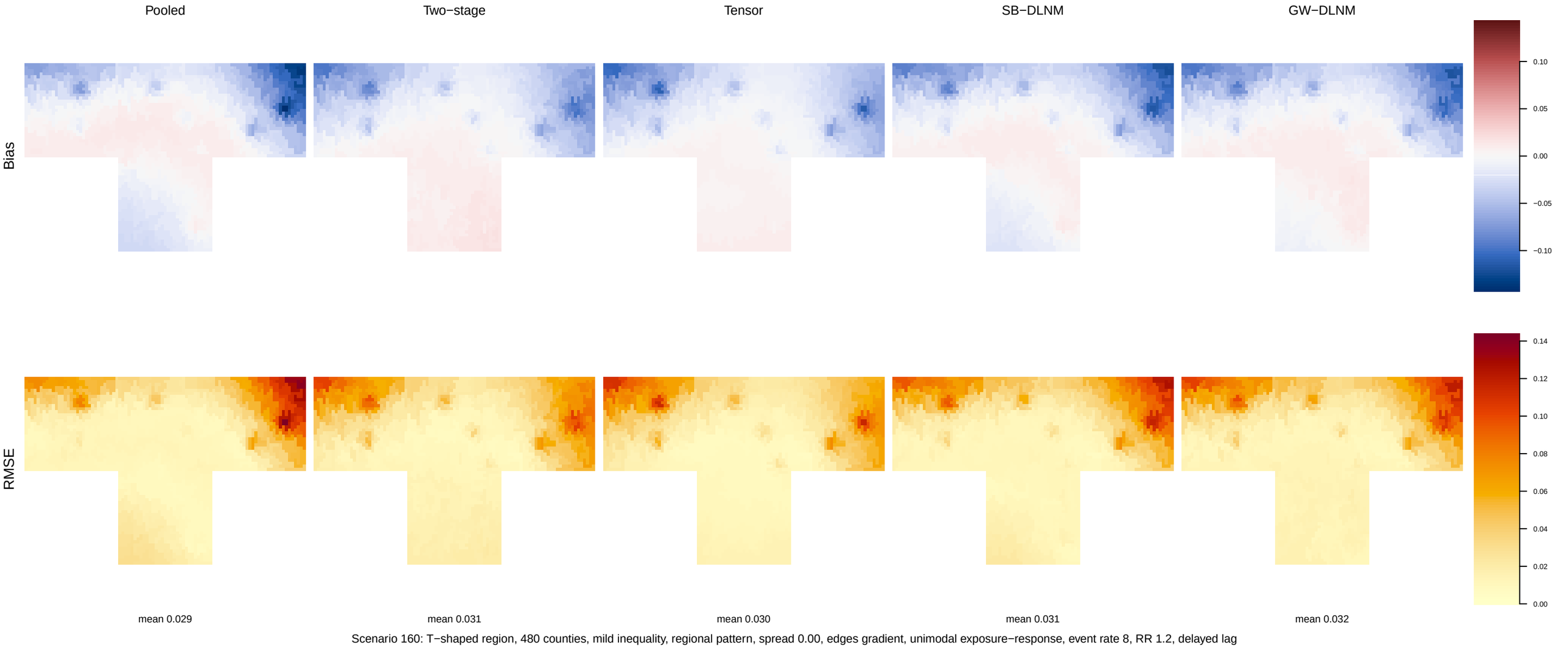
Scenario 1024: T−shaped region, 480 counties, extreme inequality, boundary pattern, spread 0.50, NS gradient, threshold exposure−response, event rate 2, RR 1.6, short lag



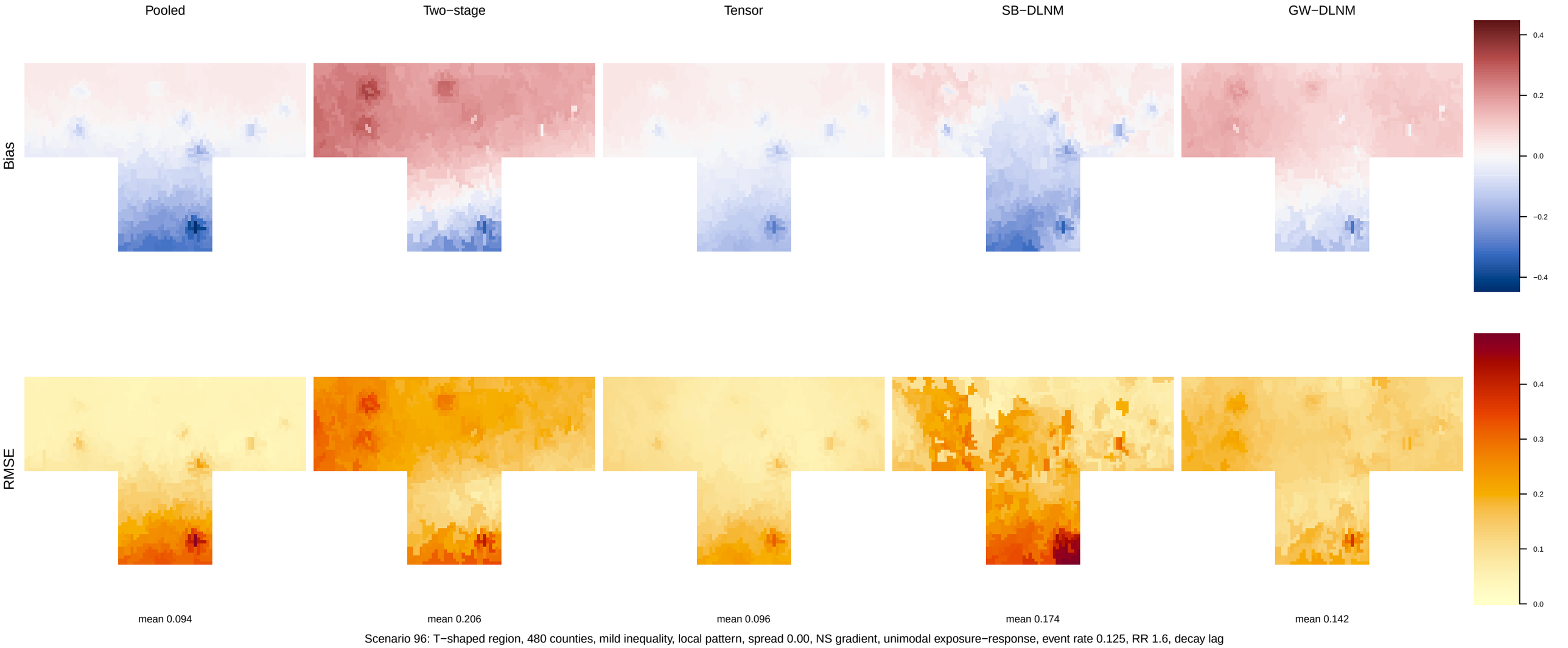
Scenario 960: T−shaped region, 480 counties, extreme inequality, regional pattern, spread 0.50, ridge gradient, threshold exposure−response, event rate 8, RR 1.0, decay lag



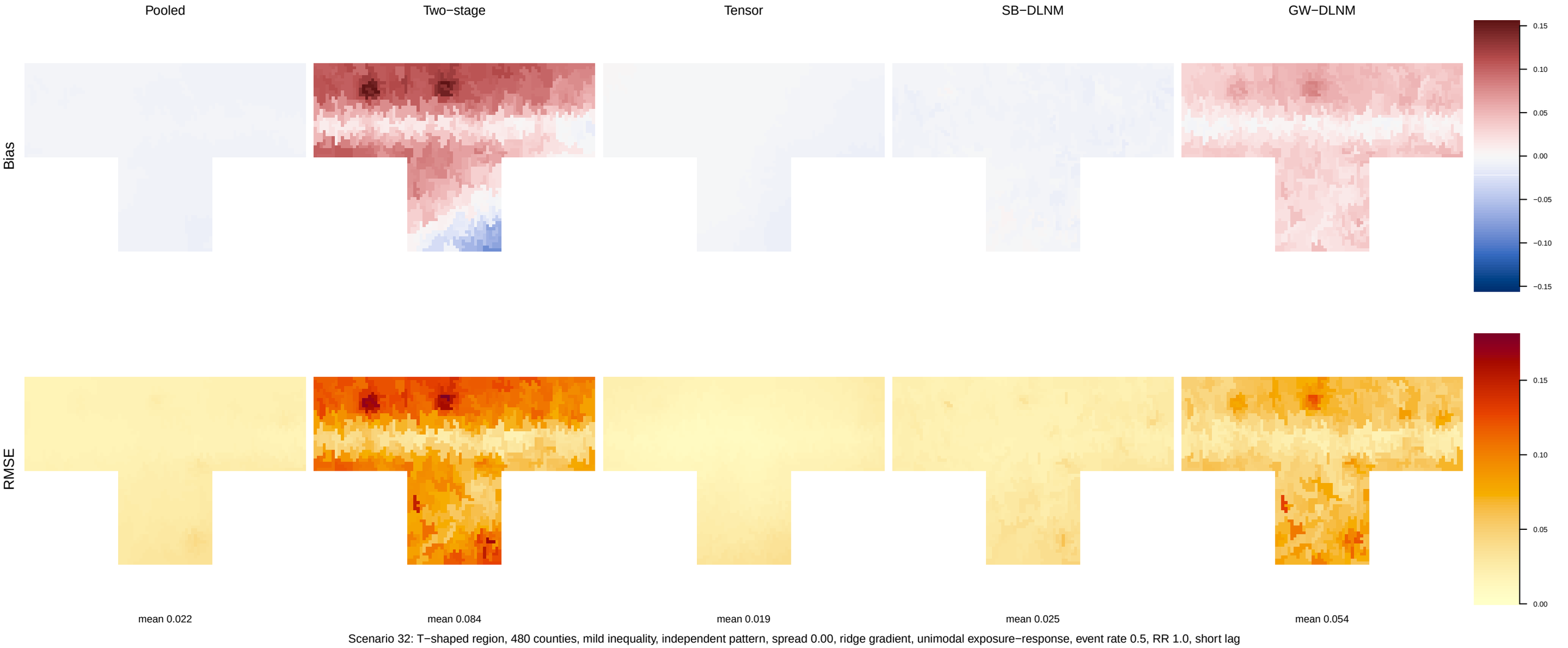
Scenario 896: T−shaped region, 480 counties, extreme inequality, local pattern, spread 0.50, valley gradient, threshold exposure−response, event rate 0.125, RR 1.4, delayed lag



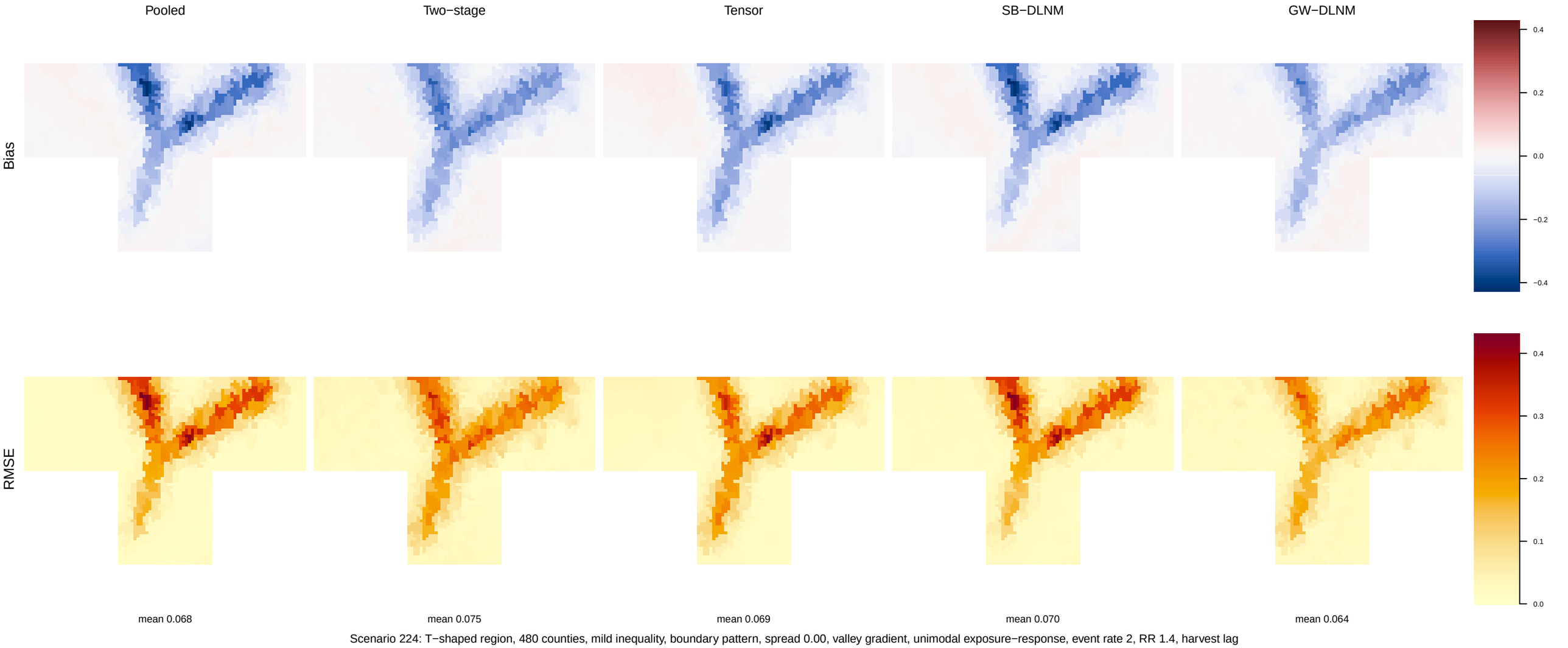
Scenario 160: T−shaped region, 480 counties, mild inequality, regional pattern, spread 0.00, edges gradient, unimodal exposure−response, event rate 8, RR 1.2, delayed lag



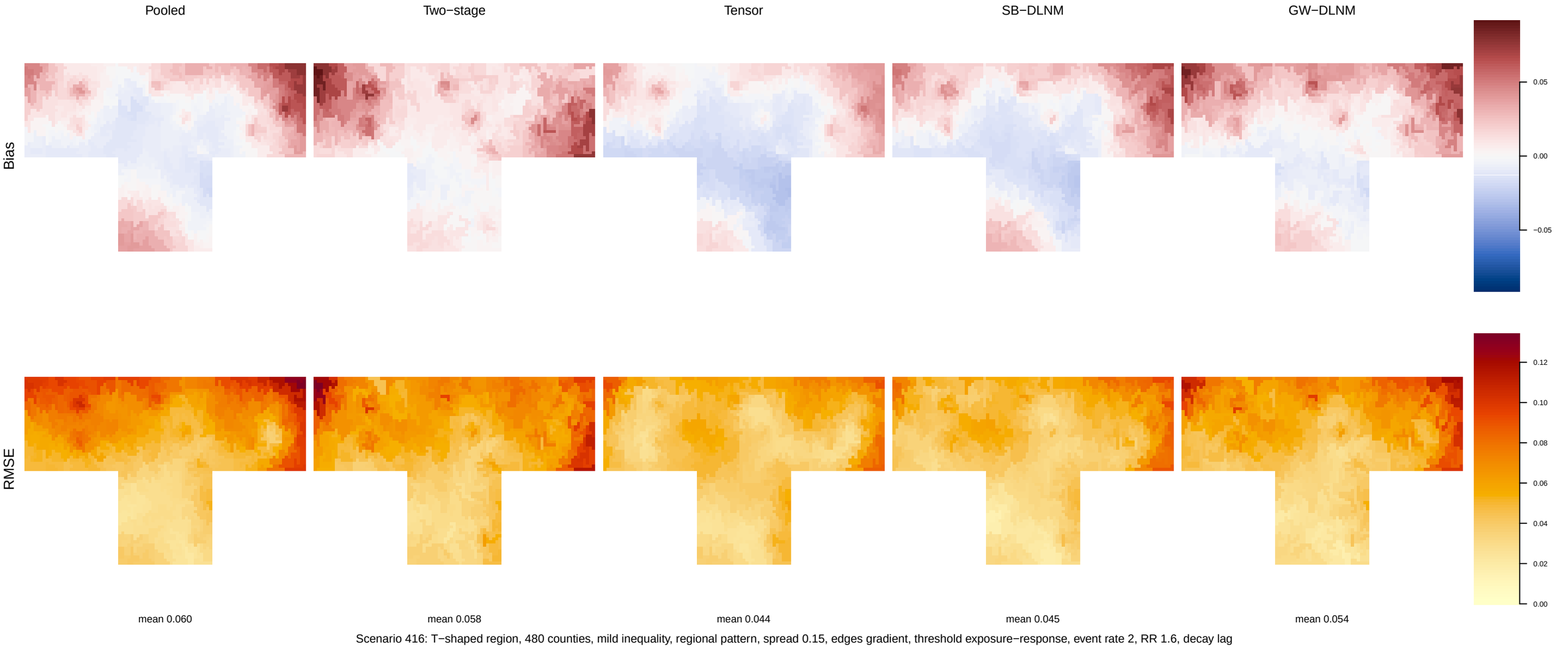
Scenario 96: T−shaped region, 480 counties, mild inequality, local pattern, spread 0.00, NS gradient, unimodal exposure−response, event rate 0.125, RR 1.6, decay lag



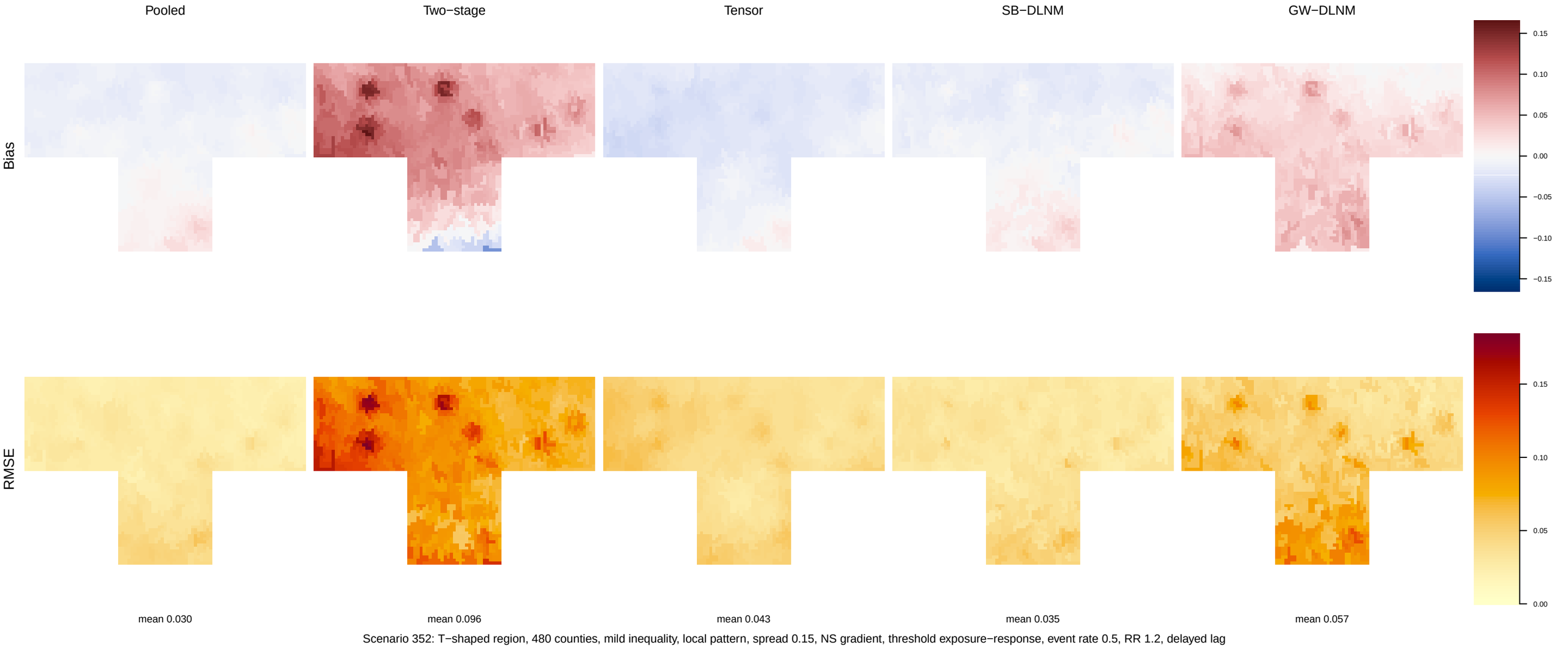
Scenario 32: T−shaped region, 480 counties, mild inequality, independent pattern, spread 0.00, ridge gradient, unimodal exposure−response, event rate 0.5, RR 1.0, short lag



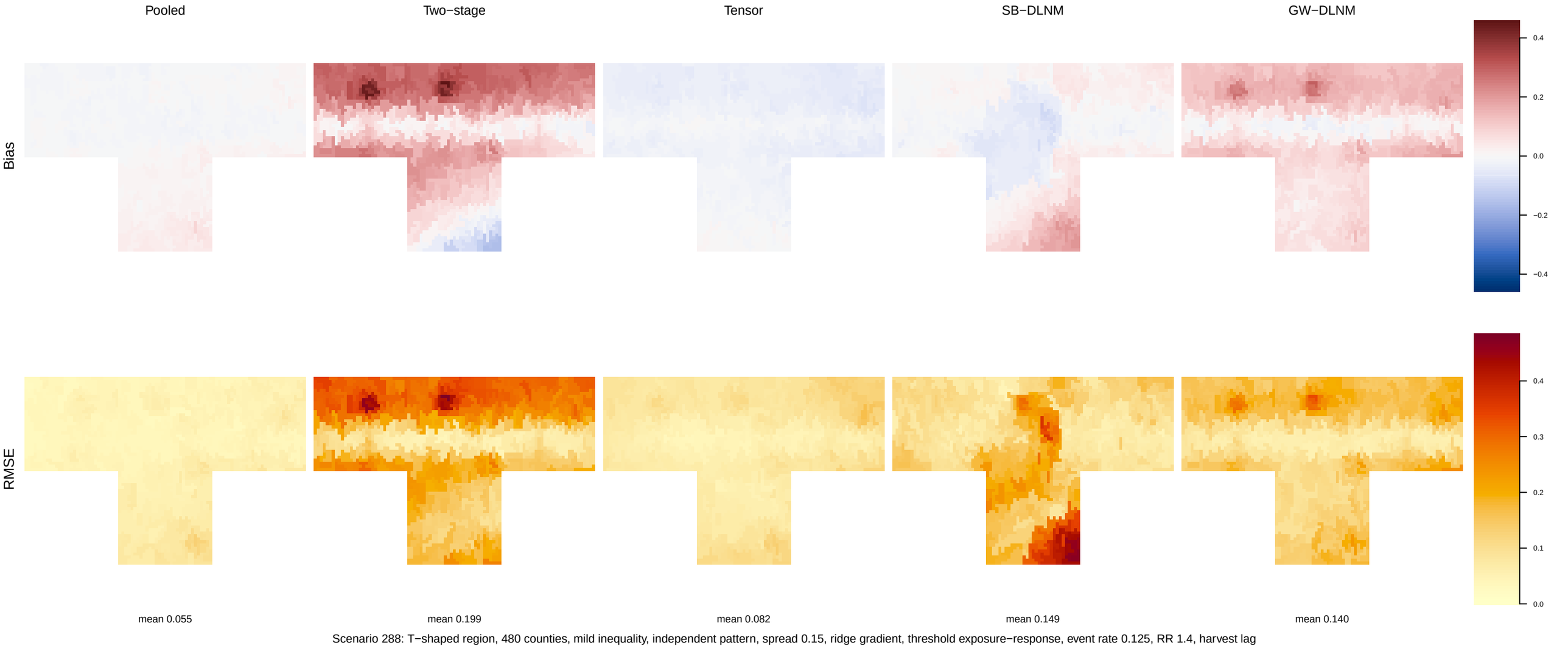
Scenario 224: T−shaped region, 480 counties, mild inequality, boundary pattern, spread 0.00, valley gradient, unimodal exposure−response, event rate 2, RR 1.4, harvest lag



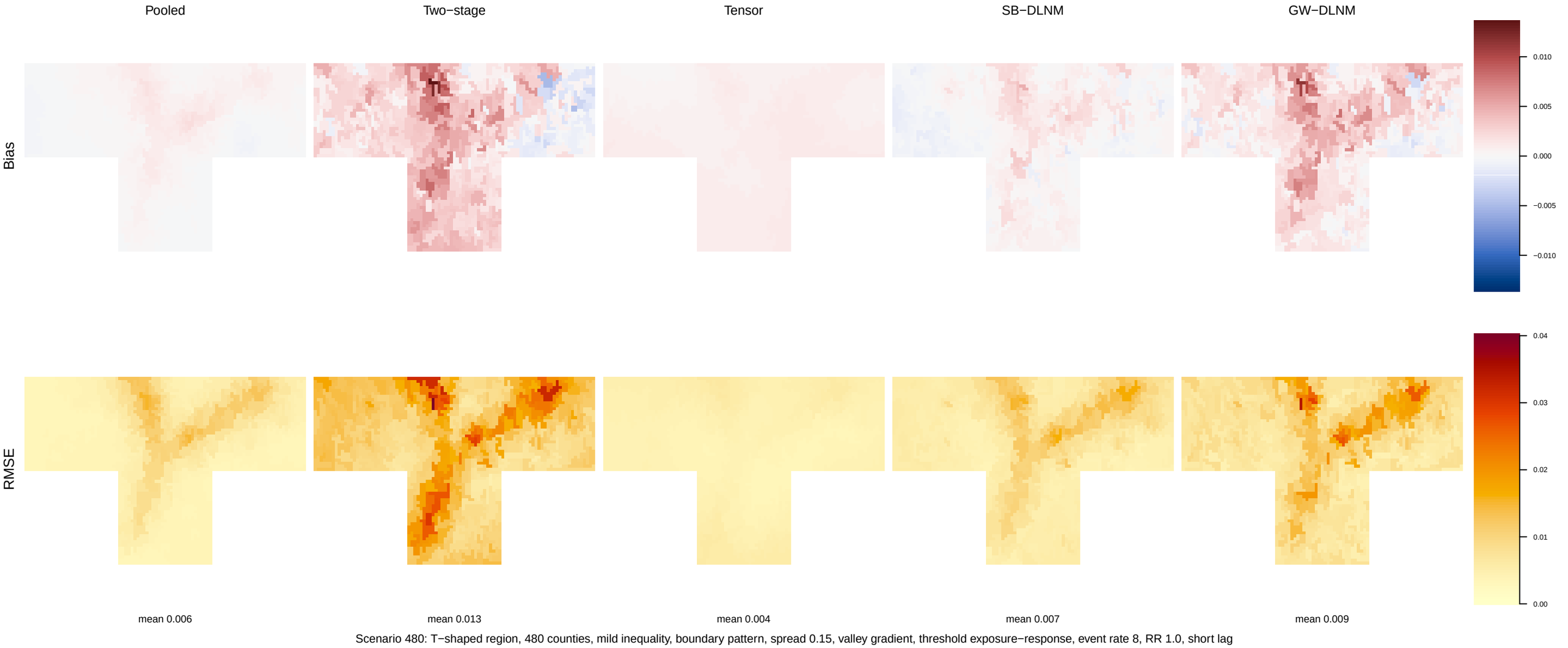
Scenario 416: T−shaped region, 480 counties, mild inequality, regional pattern, spread 0.15, edges gradient, threshold exposure−response, event rate 2, RR 1.6, decay lag

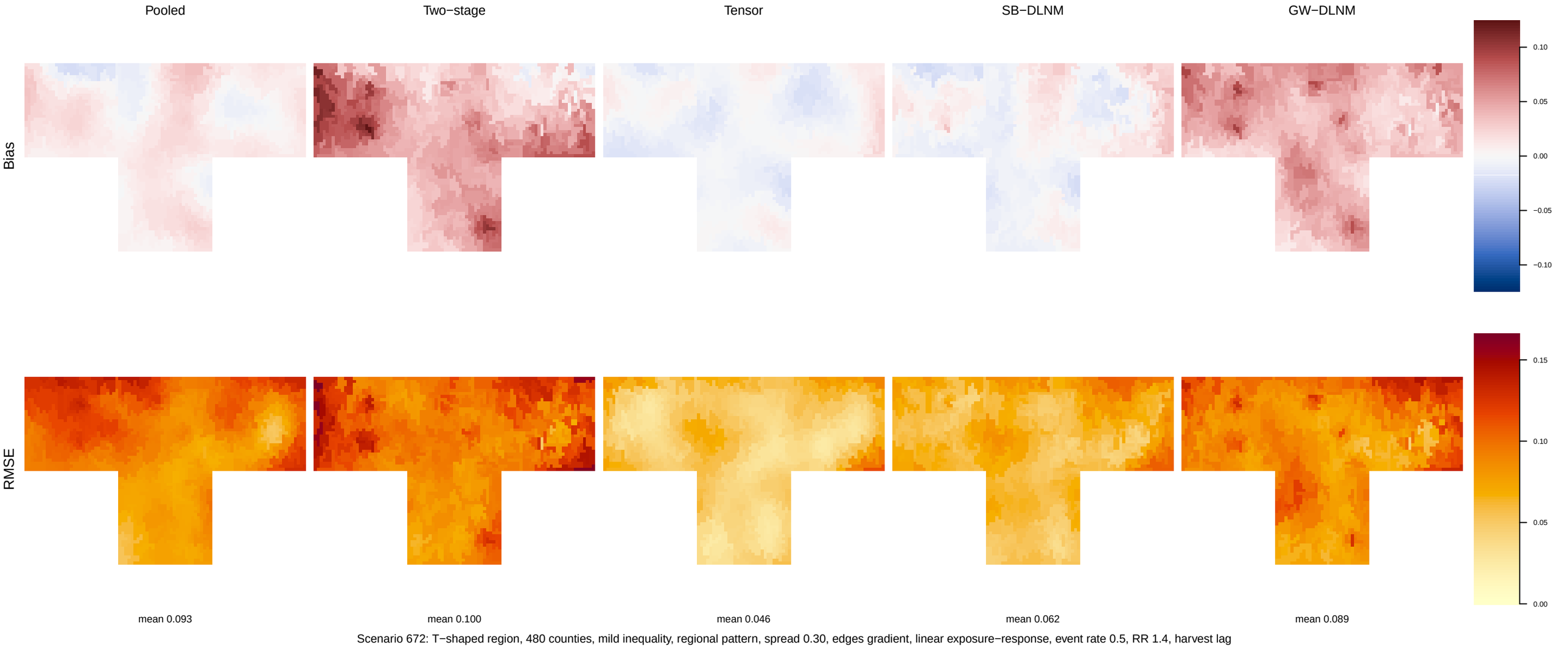


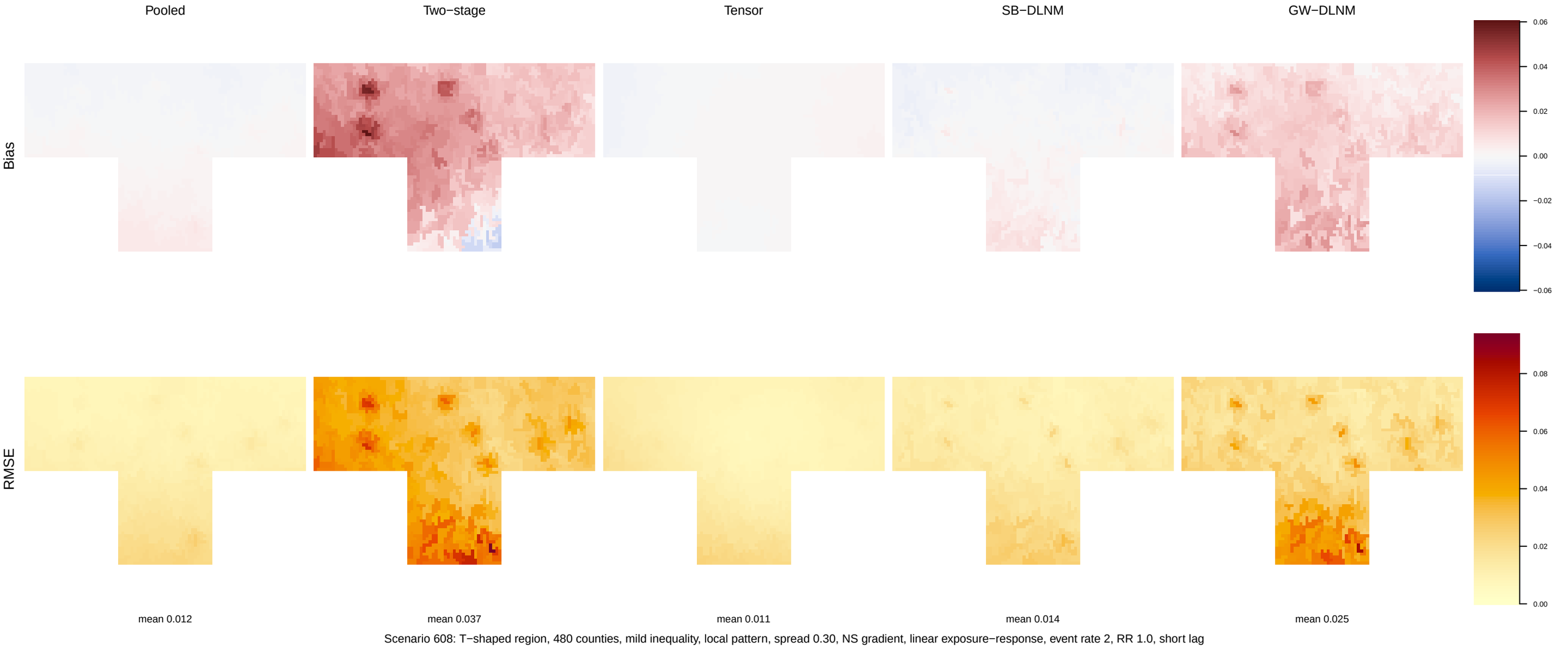
Scenario 352: T−shaped region, 480 counties, mild inequality, local pattern, spread 0.15, NS gradient, threshold exposure−response, event rate 0.5, RR 1.2, delayed lag



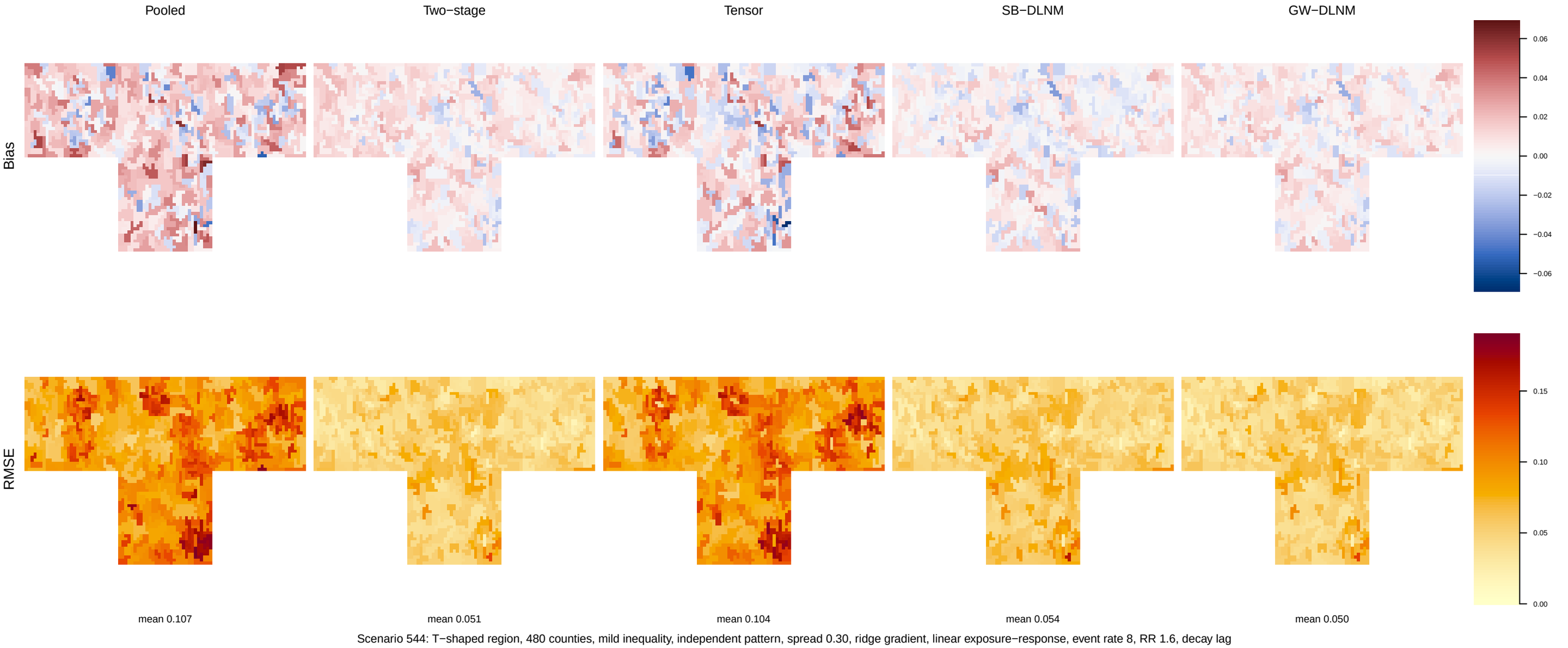
Scenario 288: T−shaped region, 480 counties, mild inequality, independent pattern, spread 0.15, ridge gradient, threshold exposure−response, event rate 0.125, RR 1.4, harvest lag

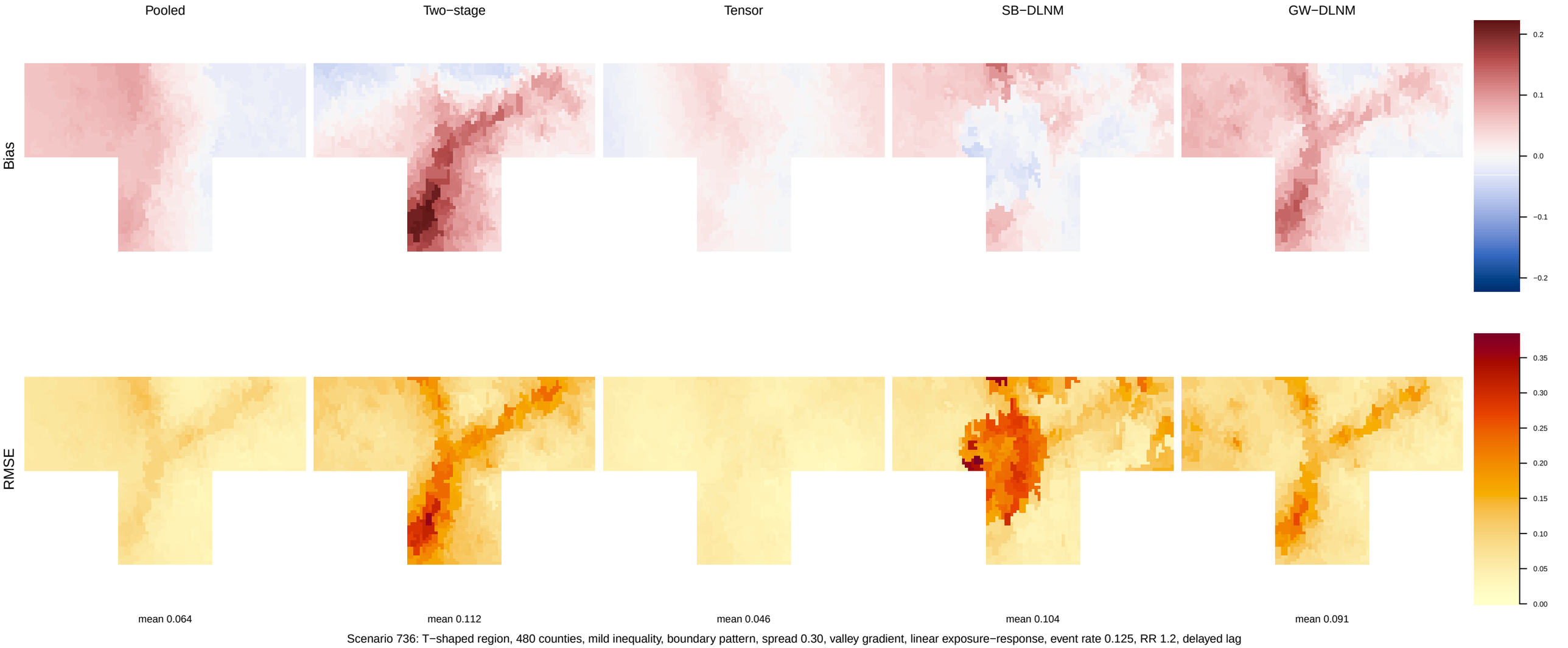

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.010
0.005
0.000
−0.005
−0.010
0.04
0.03
0.02
0.01
0.00
mean 0.006
mean 0.013
mean 0.004
mean 0.007
mean 0.009
Scenario 480: T−shaped region, 480 counties, mild inequality, boundary pattern, spread 0.15, valley gradient, threshold exposure−response, event rate 8, RR 1.0, short lag


Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.10
0.05
0.00
−0.05
−0.10
0.15
0.10
0.05
0.00
mean 0.093
mean 0.100
mean 0.046
mean 0.062
mean 0.089
Scenario 672: T−shaped region, 480 counties, mild inequality, regional pattern, spread 0.30, edges gradient, linear exposure−response, event rate 0.5, RR 1.4, harvest lag

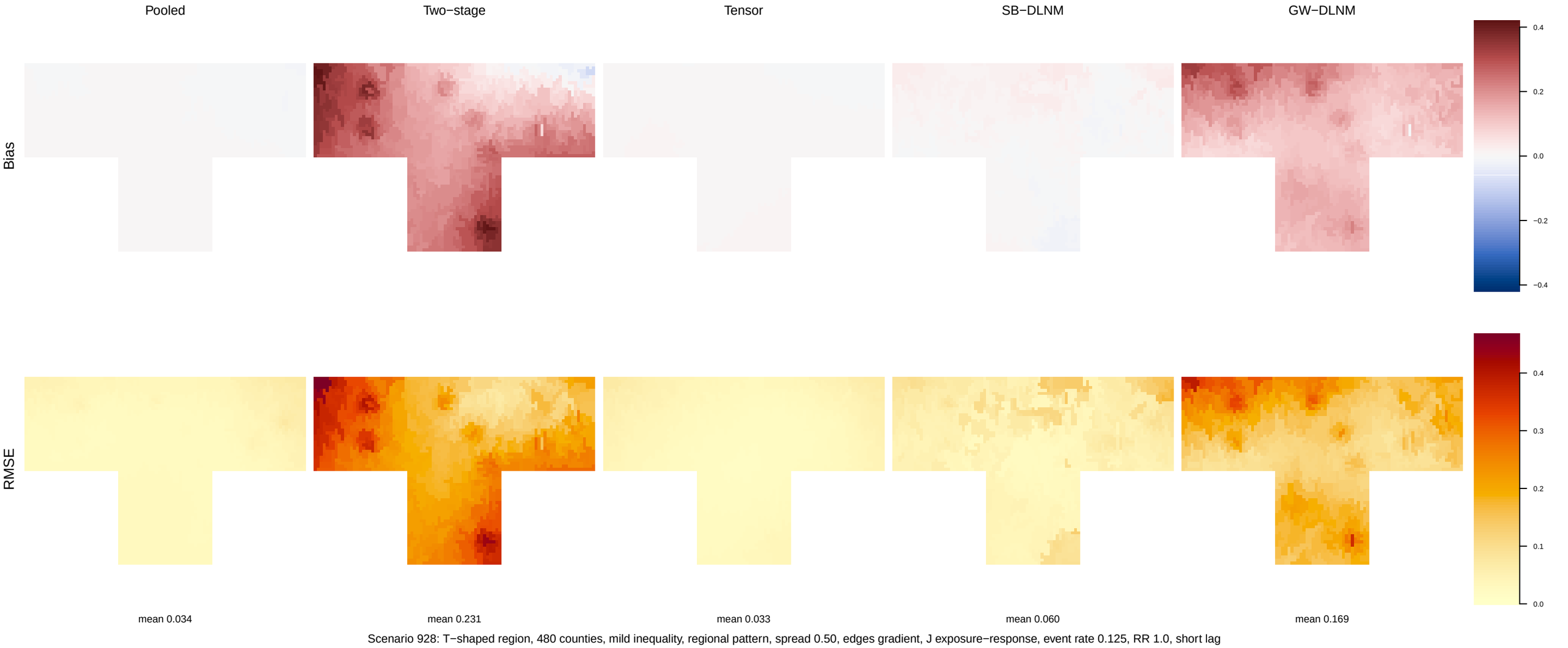


Scenario 608: T−shaped region, 480 counties, mild inequality, local pattern, spread 0.30, NS gradient, linear exposure−response, event rate 2, RR 1.0, short lag

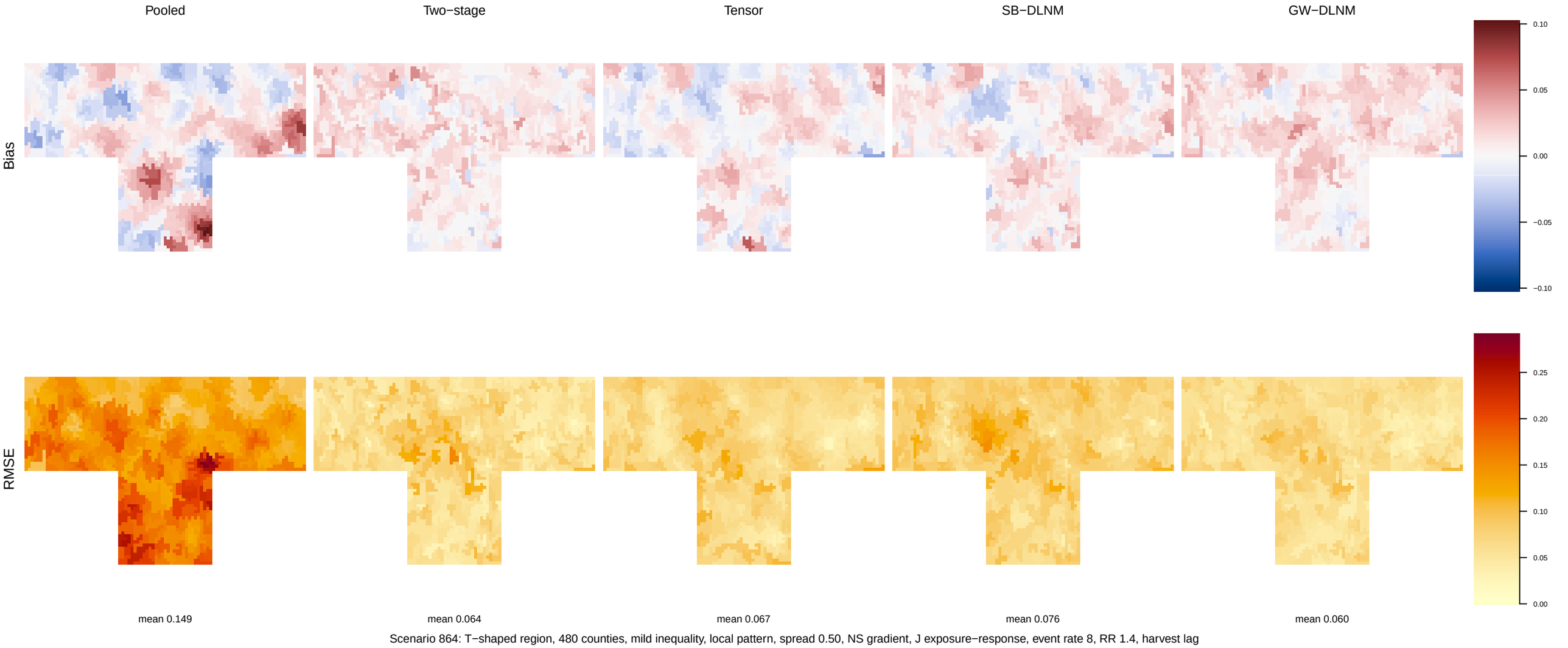

Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
0.15
0.10
0.05
0.00
mean 0.107
mean 0.051
mean 0.104
mean 0.054
mean 0.050
Scenario 544: T−shaped region, 480 counties, mild inequality, independent pattern, spread 0.30, ridge gradient, linear exposure−response, event rate 8, RR 1.6, decay lag



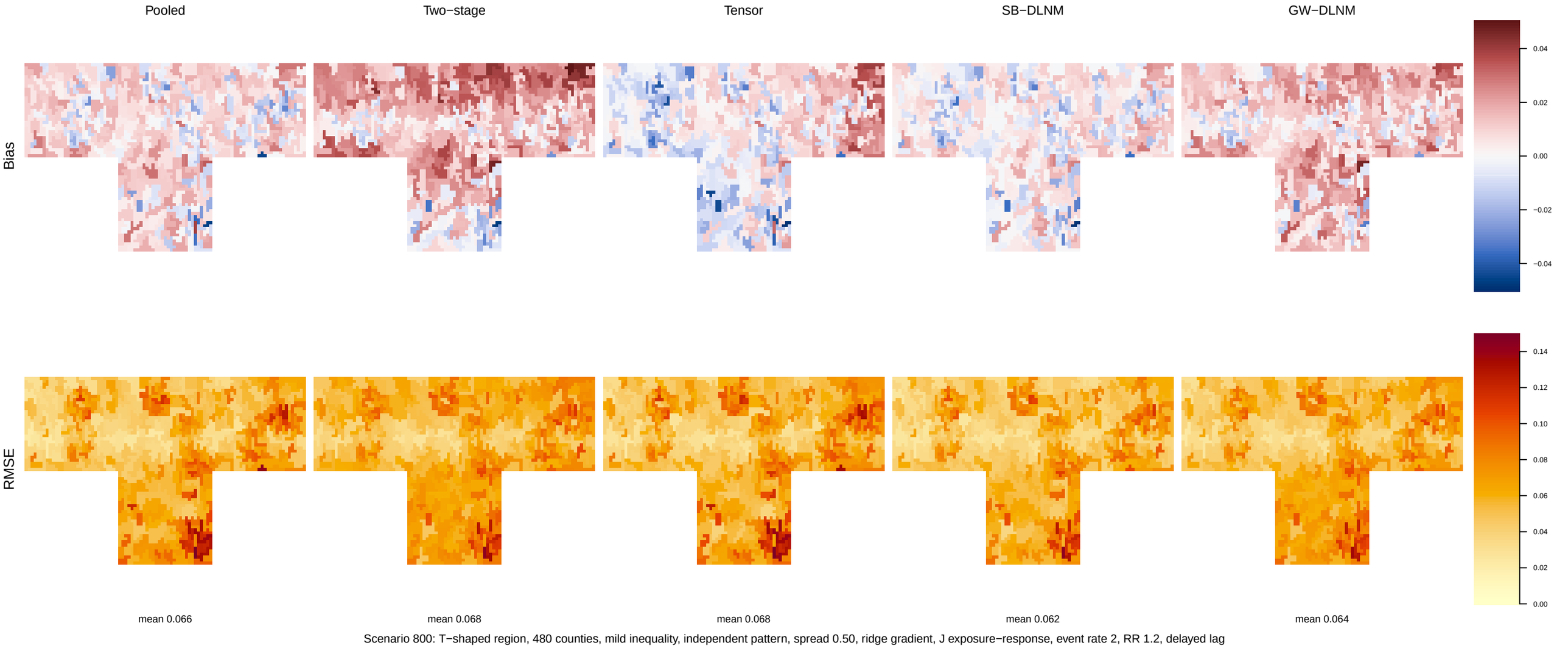
Scenario 736: T−shaped region, 480 counties, mild inequality, boundary pattern, spread 0.30, valley gradient, linear exposure−response, event rate 0.125, RR 1.2, delayed lag

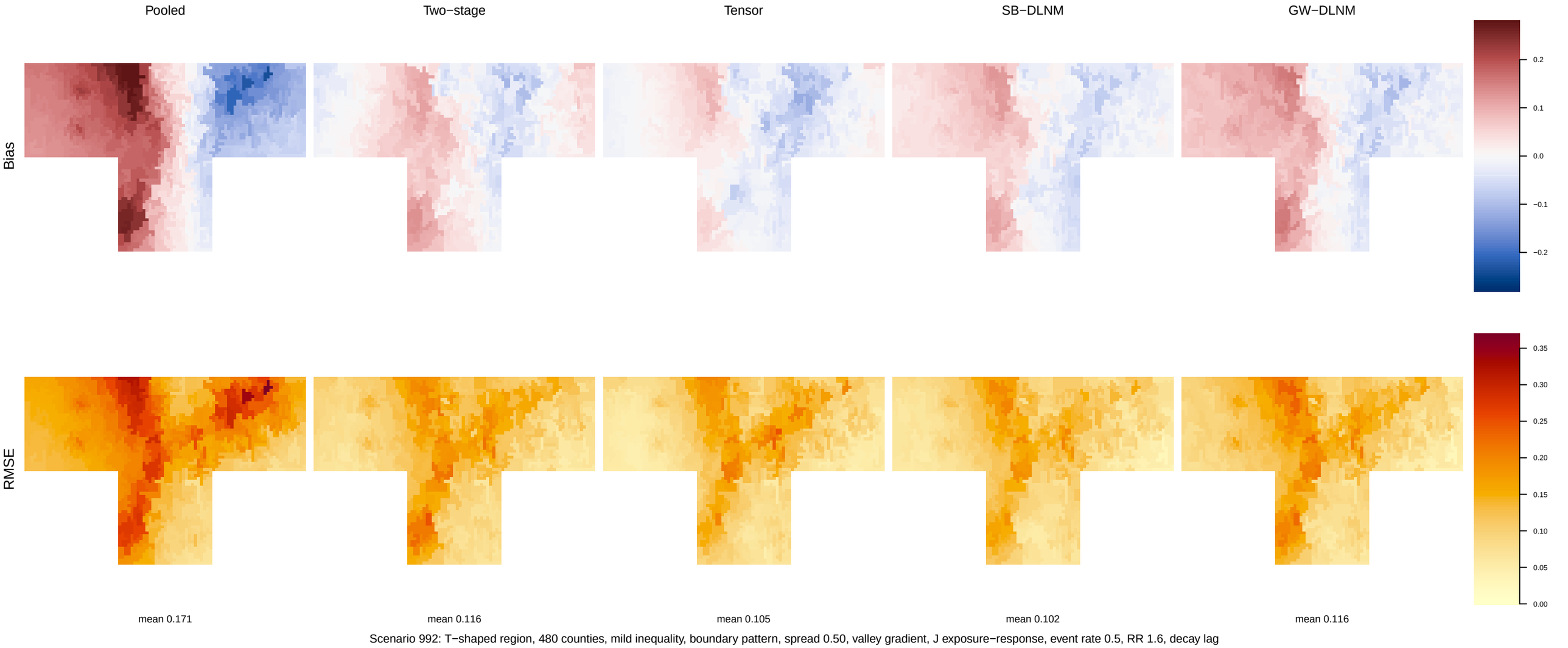


Scenario 928: T−shaped region, 480 counties, mild inequality, regional pattern, spread 0.50, edges gradient, J exposure−response, event rate 0.125, RR 1.0, short lag



Scenario 864: T−shaped region, 480 counties, mild inequality, local pattern, spread 0.50, NS gradient, J exposure−response, event rate 8, RR 1.4, harvest lag


Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.04
0.02
0.00
−0.02
−0.04
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
mean 0.066
mean 0.068
mean 0.068
mean 0.062
mean 0.064
Scenario 800: T−shaped region, 480 counties, mild inequality, independent pattern, spread 0.50, ridge gradient, J exposure−response, event rate 2, RR 1.2, delayed lag


Pooled
Two−stage
Tensor
SB−DLNM
GW−DLNM
Bias
RMSE
0.2
0.1
0.0
−0.1
−0.2
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
mean 0.171
mean 0.116
mean 0.105
mean 0.102
mean 0.116
Scenario 992: T−shaped region, 480 counties, mild inequality, boundary pattern, spread 0.50, valley gradient, J exposure−response, event rate 0.5, RR 1.6, decay lag