

Sero-epidemiology and risk factor investigation for exposure to Japanese encephalitis virus in swine populations reared in climatically diverse regions of India

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Supplementary file S4

Table S4 Prevalence of Japanese encephalitis virus infection in the swine population in the selected districts of India, 2021-2022

Sr No	District (n=number of samples)	Test	Positive	Apparent Prevalence % (95 % Confidence Interval)	True Prevalence % (95 % Credible Interval)
1	Azamgarh (n=84)	IgM	10	11.9 (6.6-20.5)	11.9 (5.7-20.5)
		IgG	5	6.0 (2.6-13.2)	4.4 (0.4-11.9)
		Total	13	15.5 (9.3-24.7)	5.2 (1.8-10.6)
2	Baksa (n=48)	IgM	0	0 (0-7.4)	1.5 (0-6.1)
		IgG	0	0 (0-7.4)	1.5 (0-6.4)
		Total	0	0 (0-7.4)	0.7(0-3.8)
3	Ballia (n=69)	IgM	19	27.5 (18.4-39.1)	28.3 (18.2-39.9)
		IgG	13	18.8 (11.4-29.6)	18.7 (9.5-30.2)
		Total	28	40.6 (29.8-52.4)	25.6 (16.8-35.5)
4	Dehradun (n=49)	IgM	10	20.4 (11.5-33.6)	21.1 (10.9-34.1)
		IgG	10	20.4 (11.5-33.6)	20.6 (9.6-34.7)
		Total	15	30.6 (19.5-44.5)	19.5 (11.3-29.8)
5	Deoria (n=70)	IgM	11	15.7 (9.0-26.0)	15.9 (8.2-26.2)
		IgG	5	7.1 (3.1-15.7)	5.8 (0.7-14.5)
		Total	15	21.4 (13.4-32.4)	6.3 (1.6-13.9)
6	Gorakhpur	IgM	18	22.2 (14.5-32.4)	22.7 (14-33.1)

	(n=81)	IgG	15	18.5 (11.6-28.3)	18.2 (9.8-28.6)
		Total	28	34.6 (25.1-45.4)	19.5 (12.1-27.8)
7	Haridwar	IgM	9	9.0 (4.8-16.2)	8.7 (3.7-15.8)
	(n=100)	IgG	9	9.0 (4.8-16.2)	7.4 (2-14.9)
		Total	16	16.0 (10.1-24.4)	3.9 (1.3-8.2)
8	Kamrup	IgM	79	53.7 (45.7-61.6)	55.7 (47.1-64.3)
	Metropolitan	IgG	68	46.3 (38.4-54.3)	49.2 (40.3-58.4)
	(n=147)	Total	103	70.1 (62.2-76.9)	64.1 (57.7-70)
9	Mumbai	IgM	20	19.1 (12.7-27.6)	19.2 (12.2-27.9)
	(n=105)	IgG	21	20.0 (13.5-28.7)	19.8 (12.1-29.2)
		Total	33	31.4 (23.3-40.8)	17.3 (11.4-24.2)
10	Nashik	IgM	28	18.7 (13.2-25.7)	18.6 (12.7-25.9)
	(n=150)	IgG	33	22.0 (16.1-29.3)	21.9 (14.9-29.9)
		Total	47	31.3 (24.5-39.1)	18.1 (13.2-23.7)
11	Satara	IgM	14	23.3 (14.4-35.4)	23.9 (13.9-36.3)
	(n=60)	IgG	5	8.3 (3.6-18.1)	7.2 (1.1-17.4)
		Total	19	31.7 (21.3-44.2)	13 (3.2-23.5)
12	Siddharth Nagar	IgM	8	10.7 (5.5-19.7)	10.6 (4.4-19.6)
	(n=75)	IgG	5	6.7 (2.9-14.7)	5.2 (0.6-13.4)
		Total	11	14.7 (8.4-24.4)	5.2 (1.8-10.6)
13	Sonitpur	IgM	2	2.6 (0.7-9.0)	2.4 (0.1-8.2)

	(n=77)	IgG	2	2.6 (0.7-9.0)	1.9 (0.1-7.8)
		Total	4	5.2 (2.0-12.6)	0.5 (0-2.9)
14	Udham Singh	IgM	18	20.0 (13.0-29.4)	20.3 (12.5-29.9)
	Nagar	IgG	21	23.3 (15.8-33.1)	23.5 (14.6-33.9)
	(n=90)	Total	27	30.0 (21.5-40.1)	20.5 (14.3-27.5)