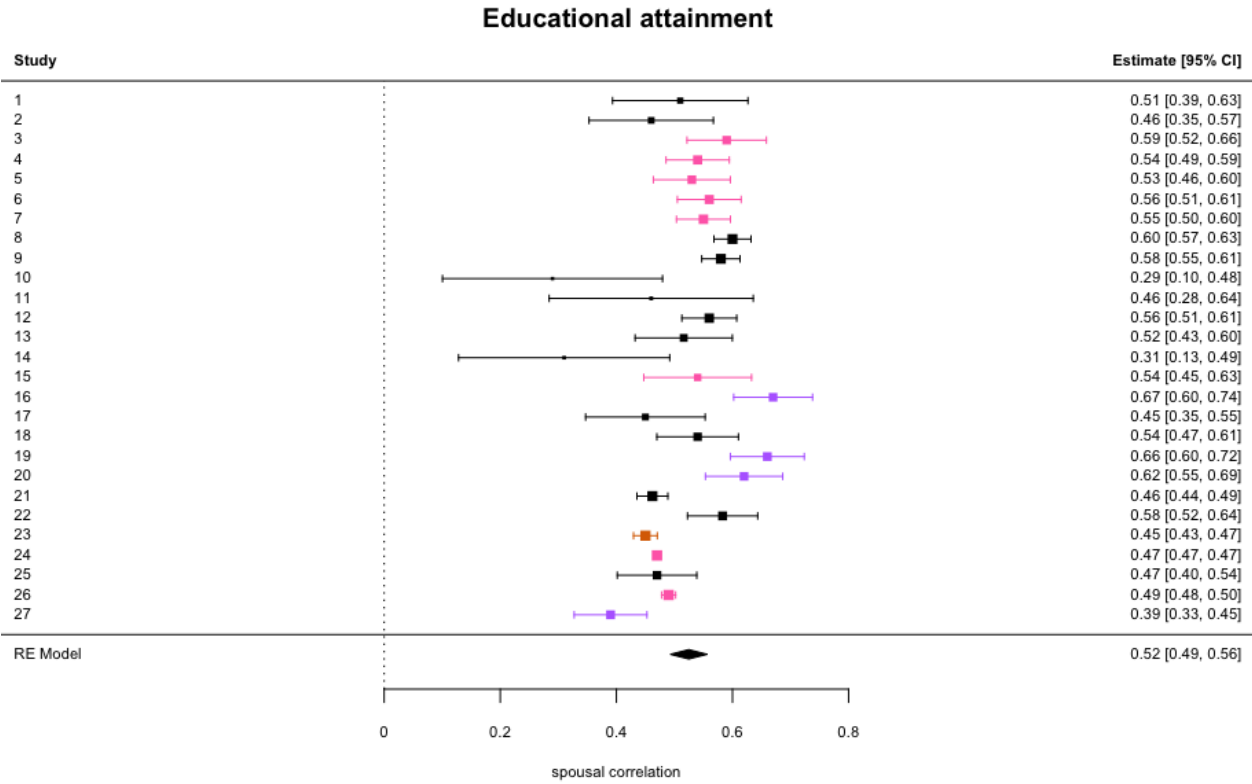
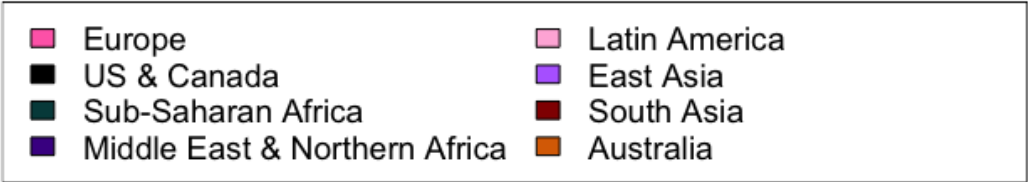
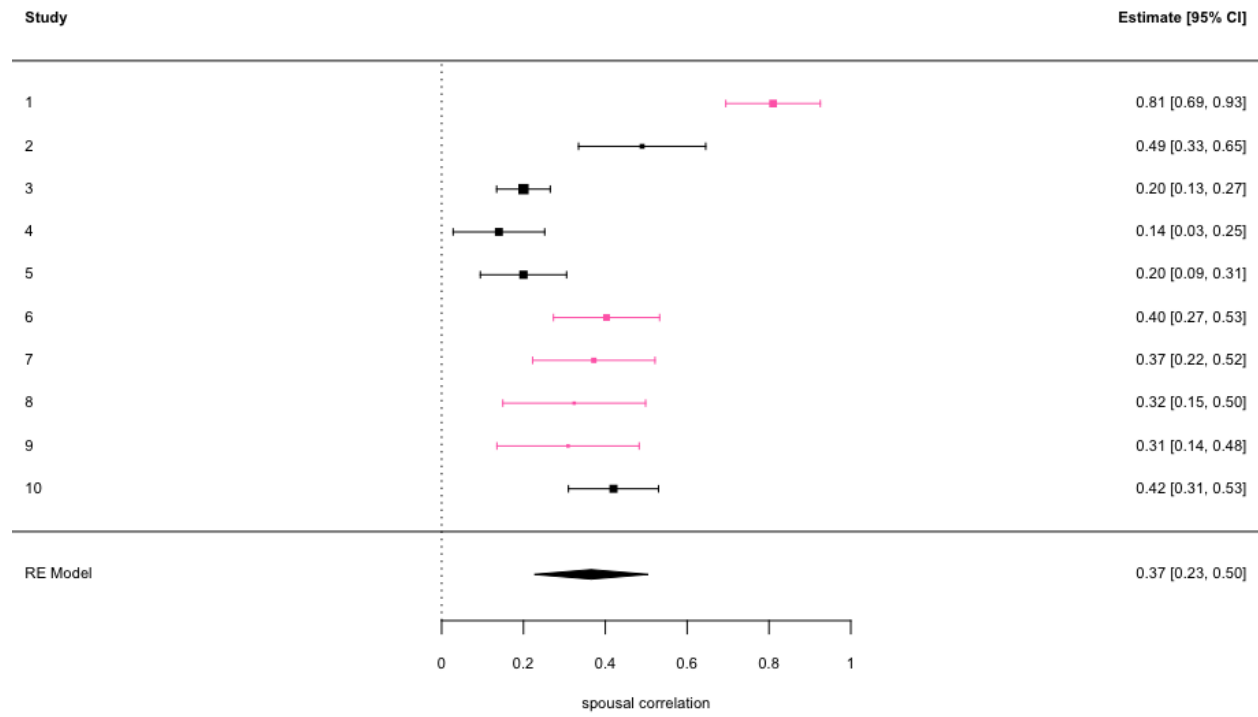


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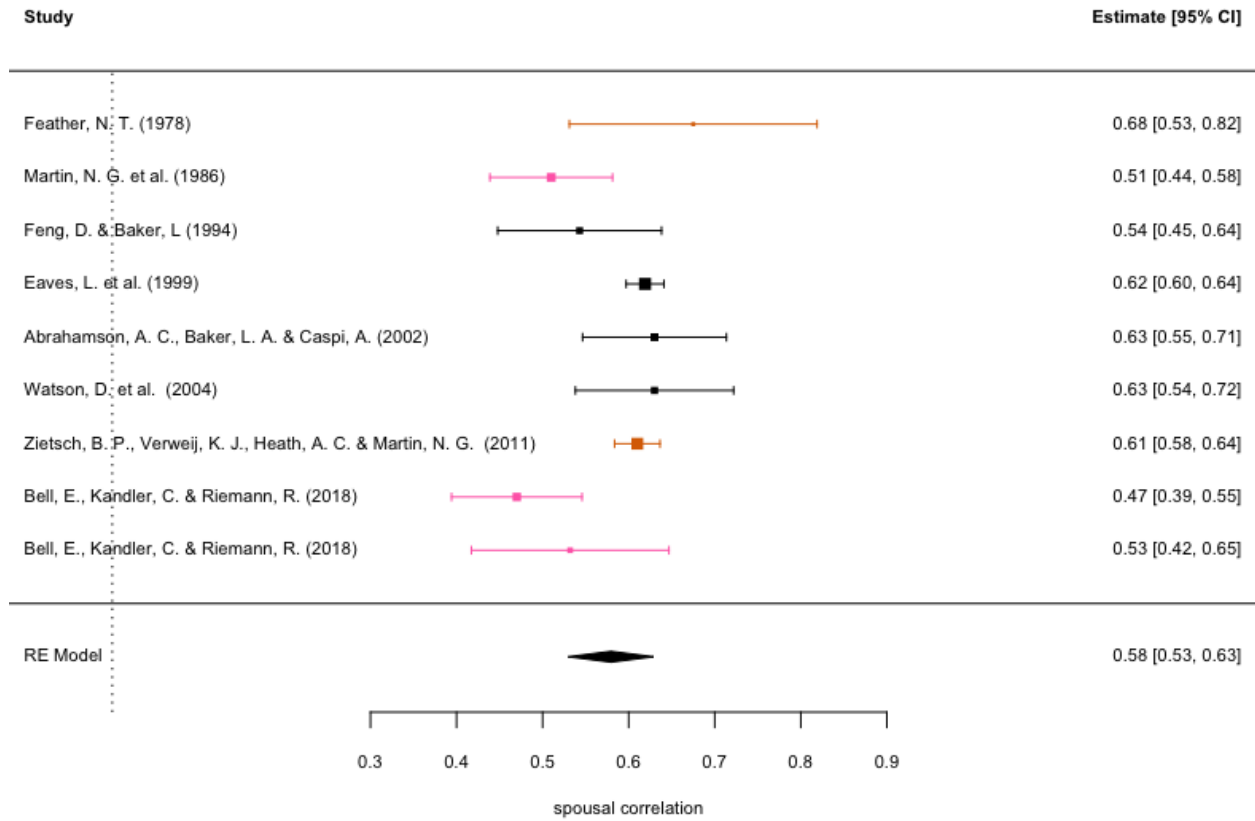
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Intelligence quotient

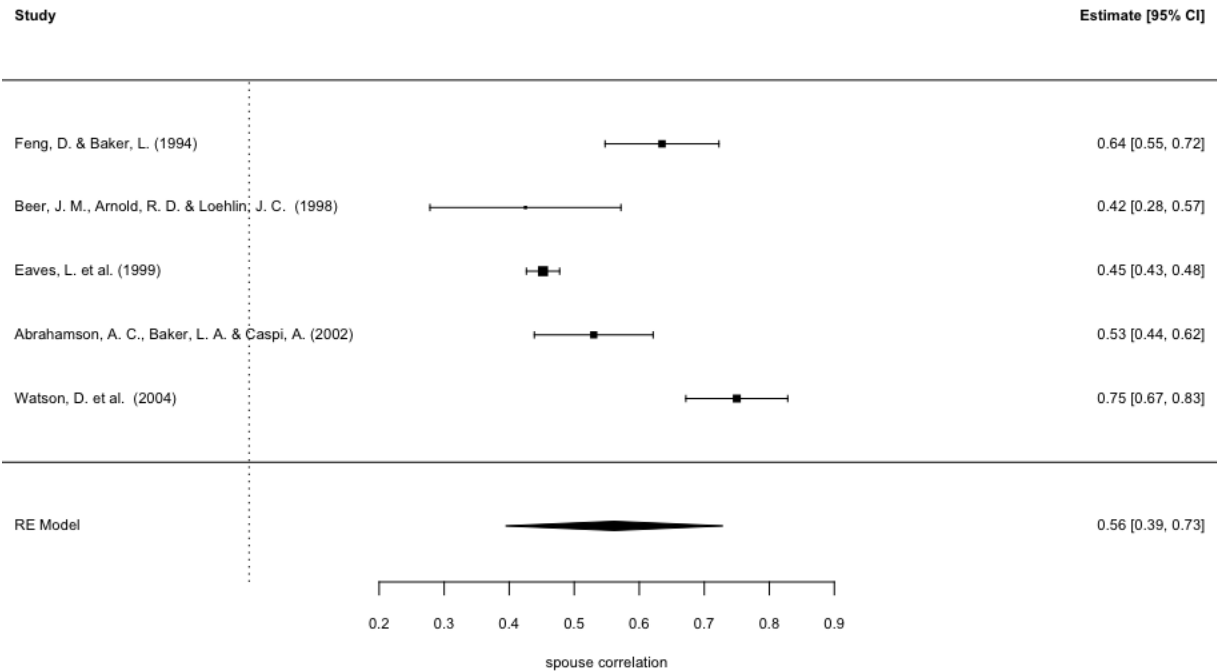


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Political values

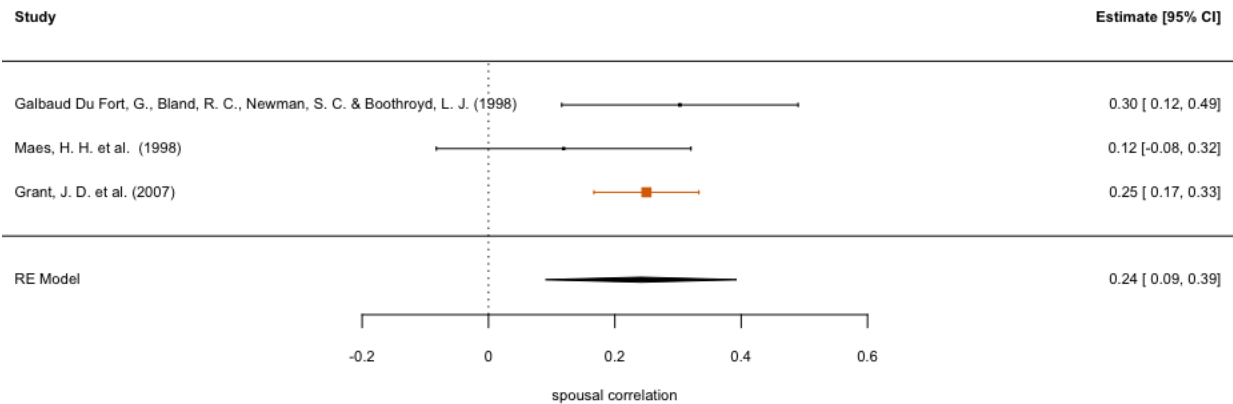


Religiosity

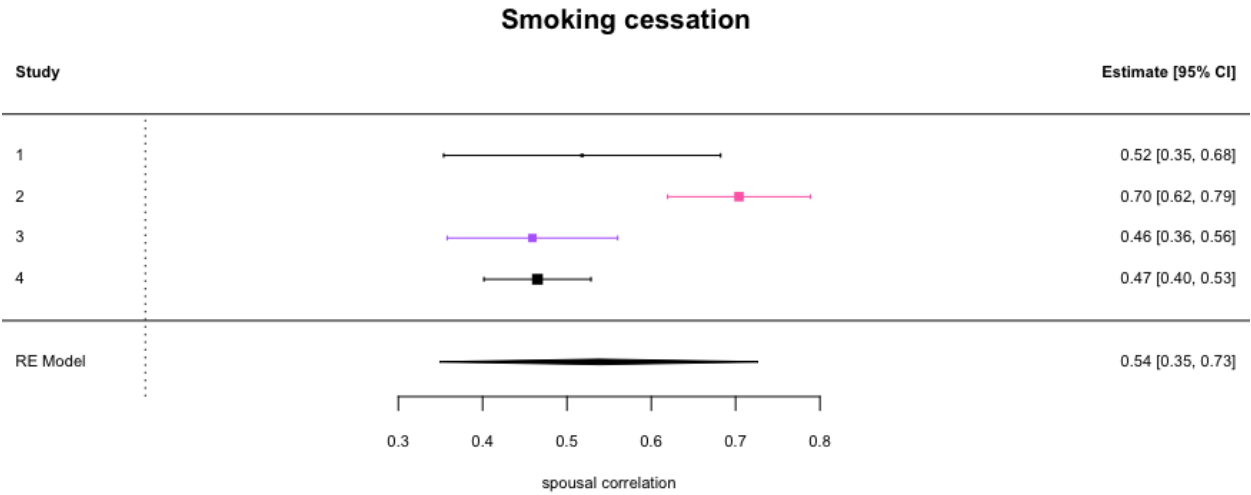
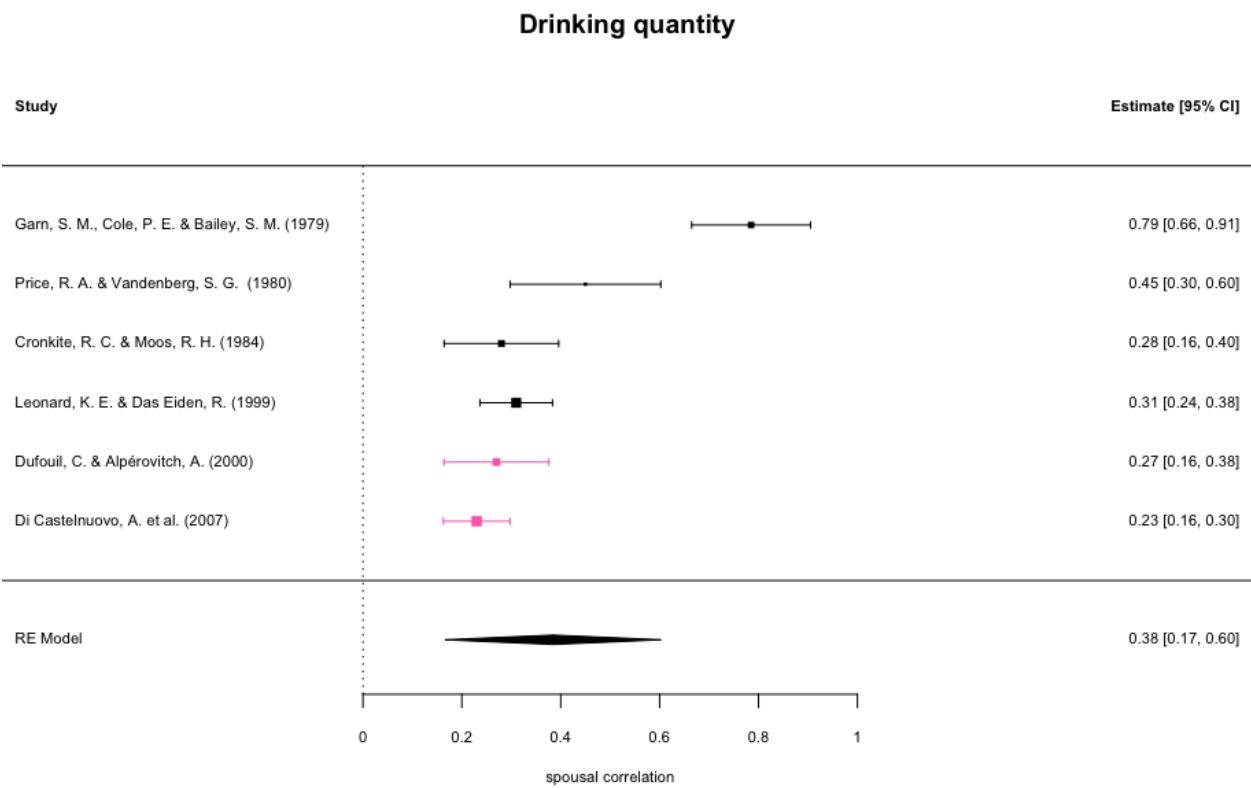


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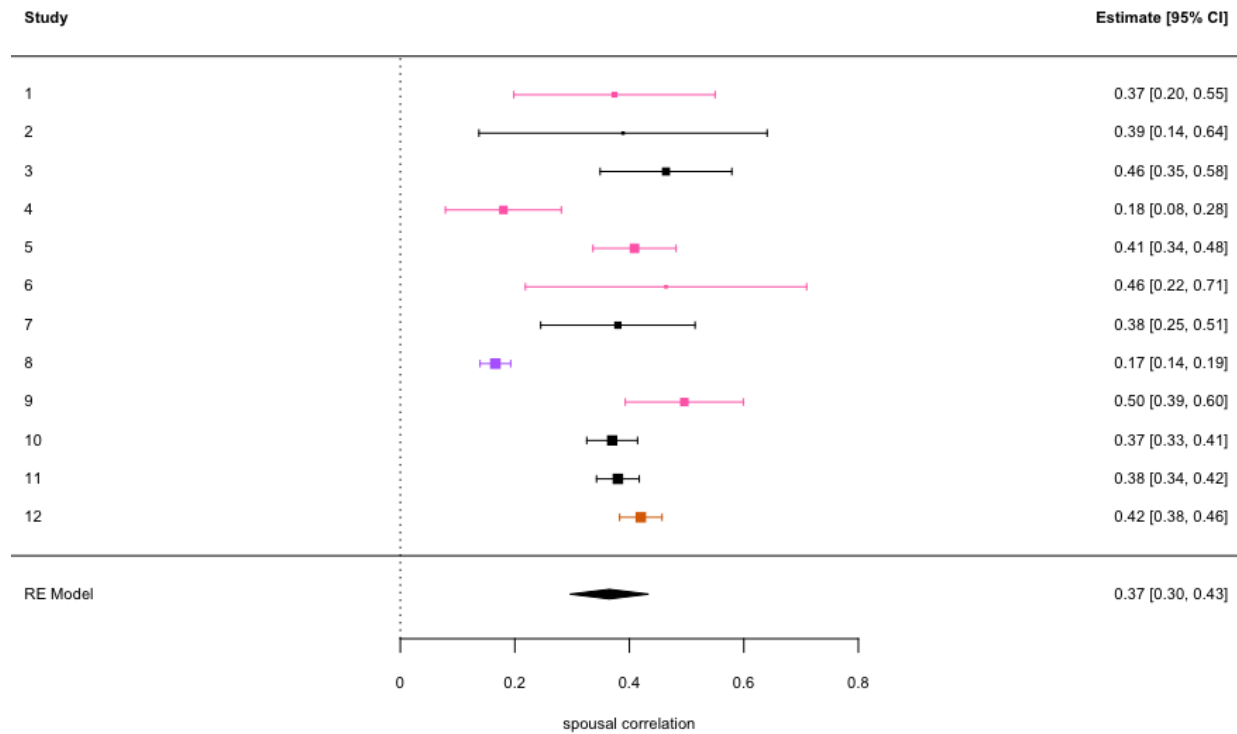
Alcohol use disorder



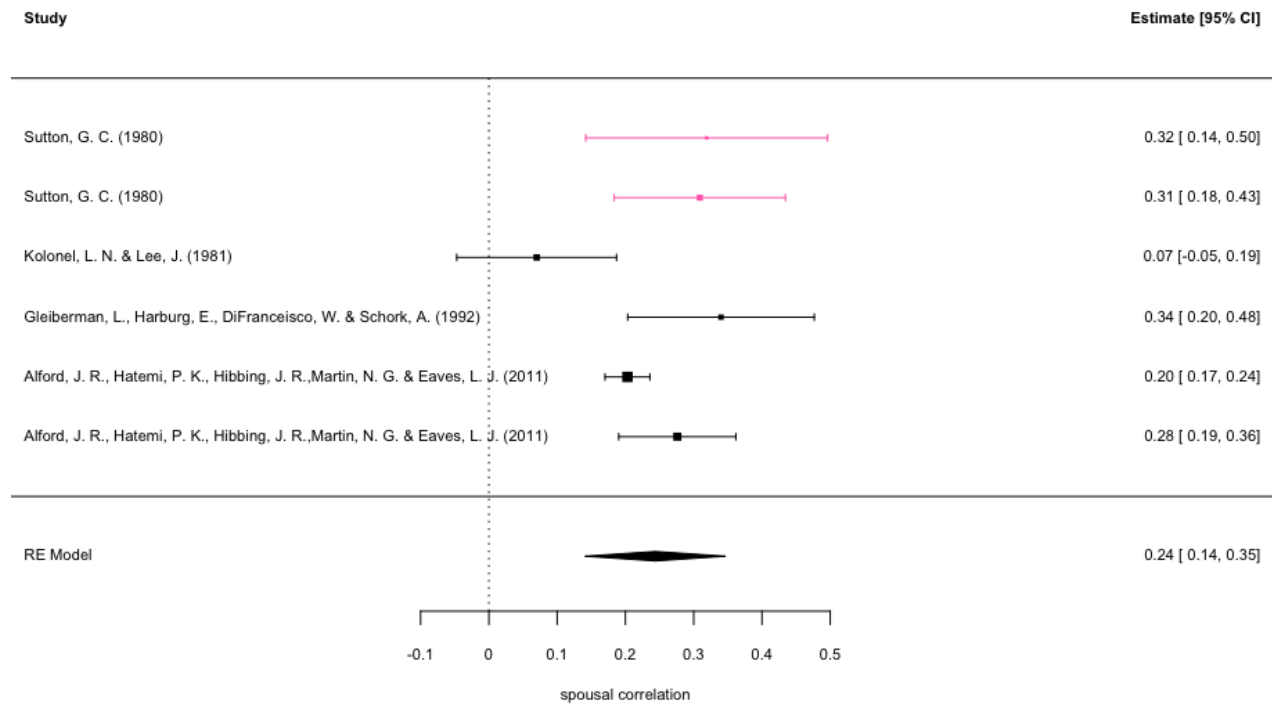
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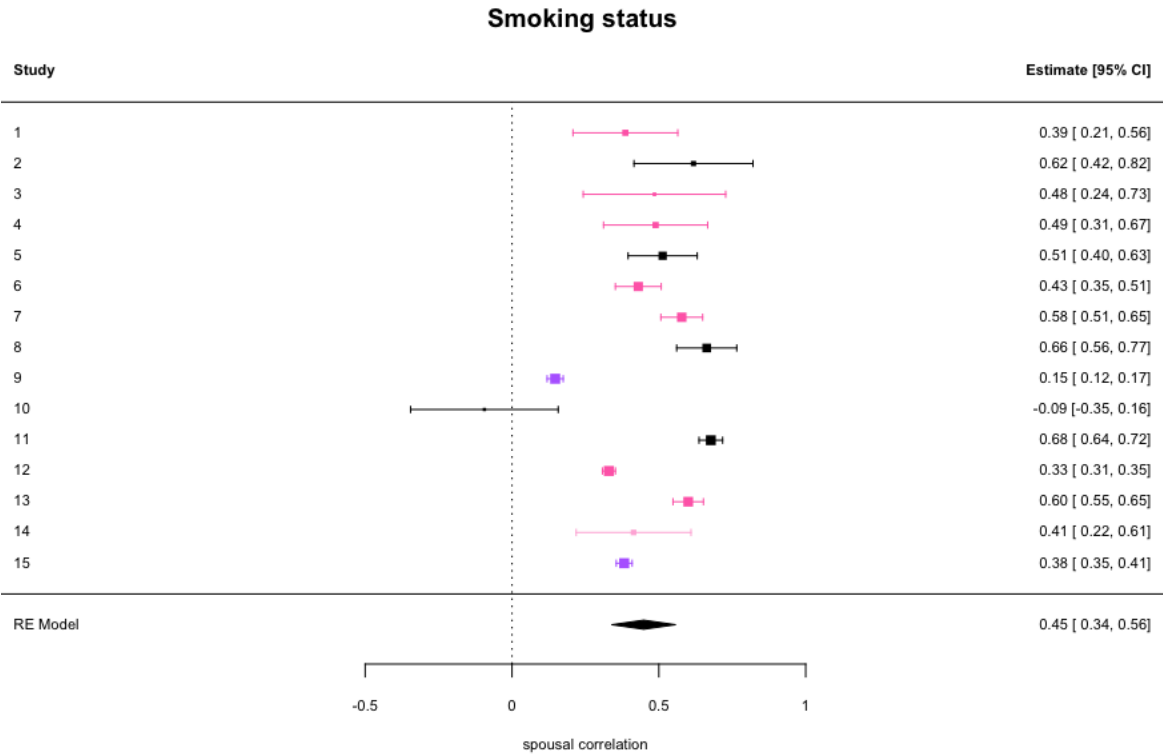
Smoking initiation



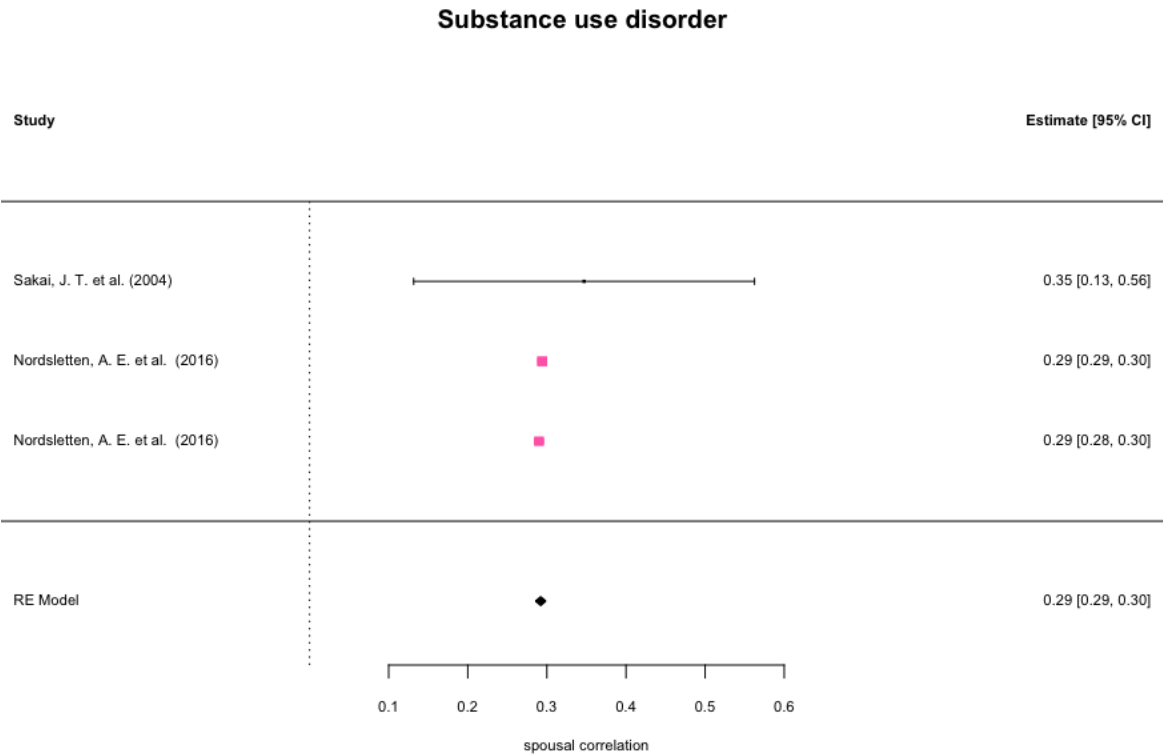
Smoking quantity



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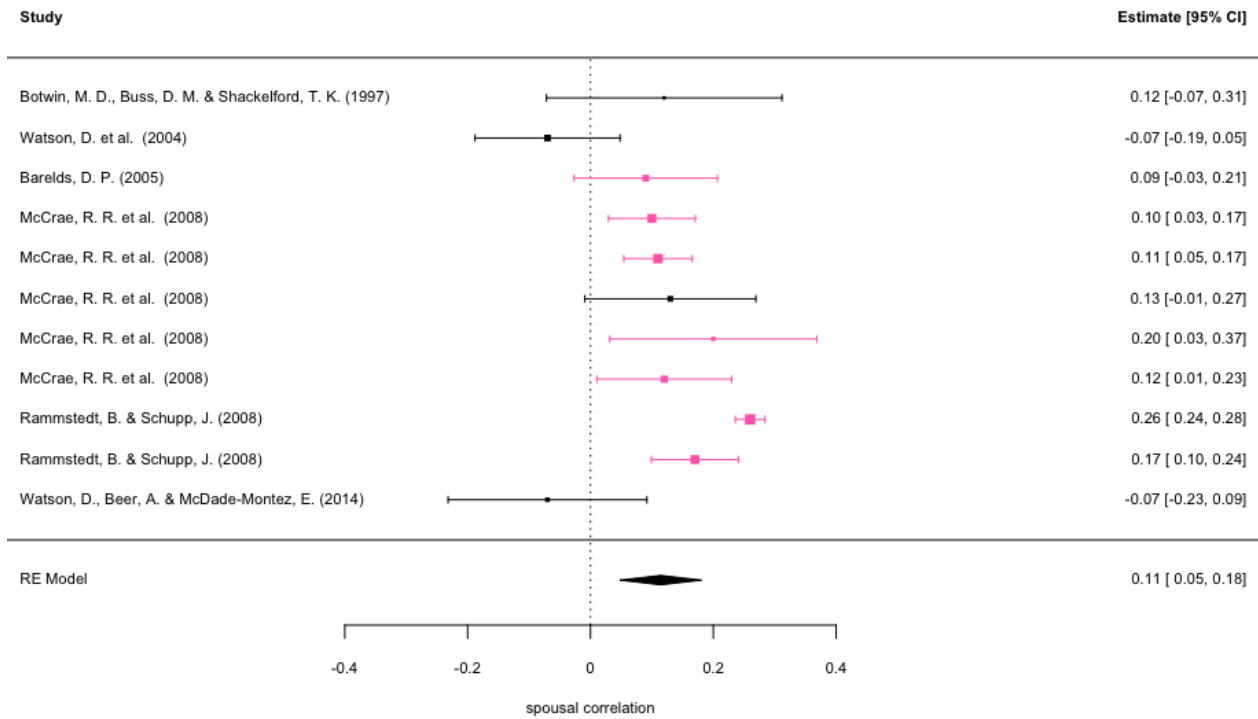


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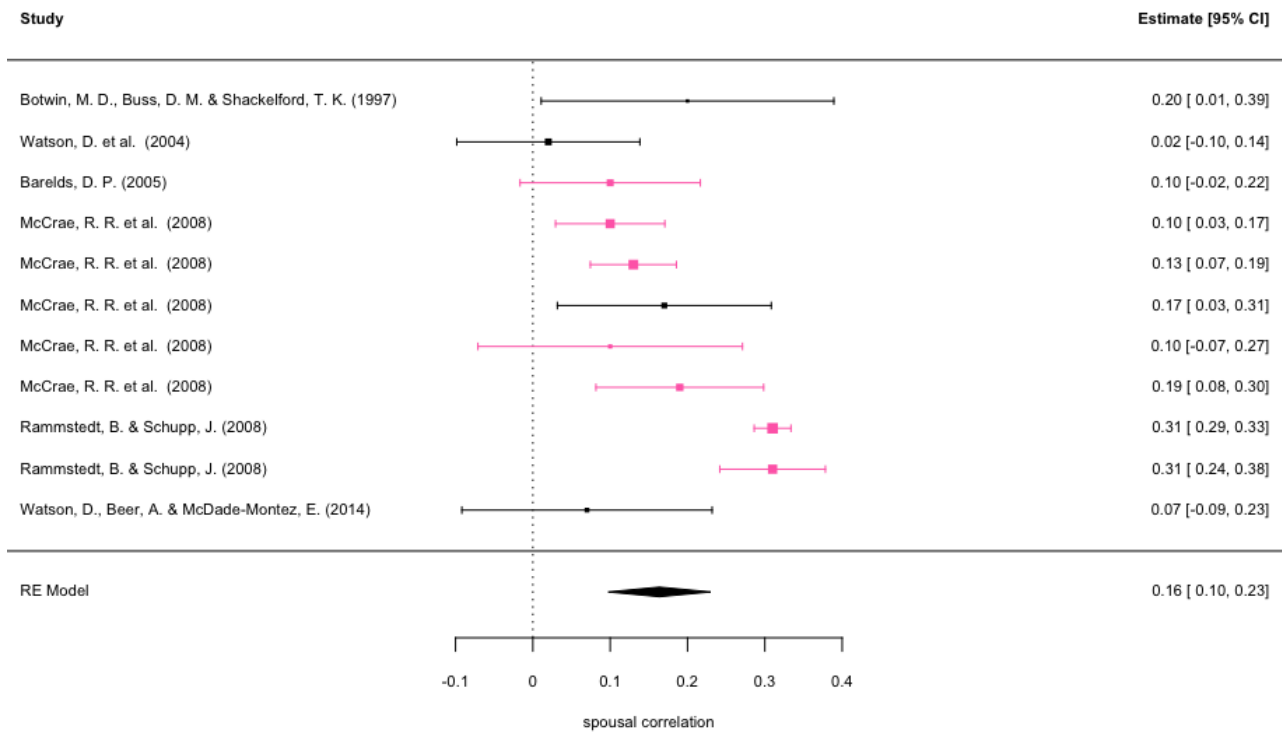
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Agreeableness



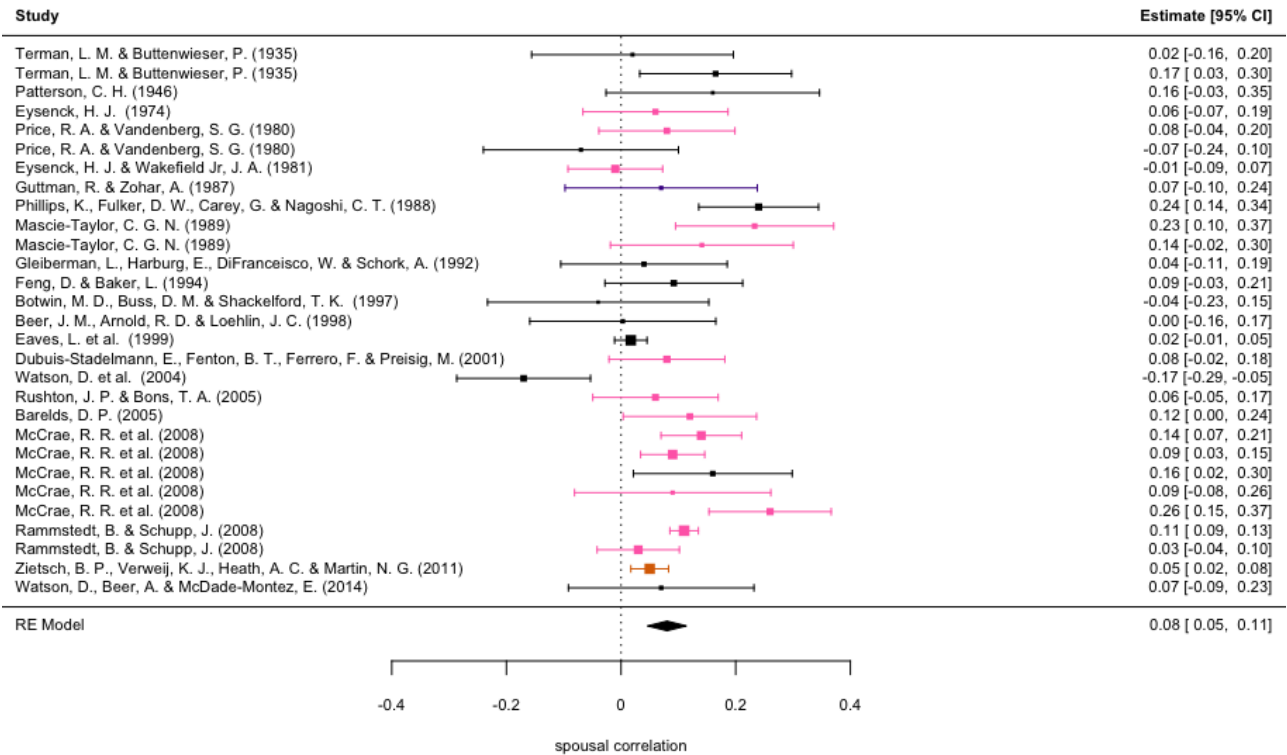
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Conscientiousness



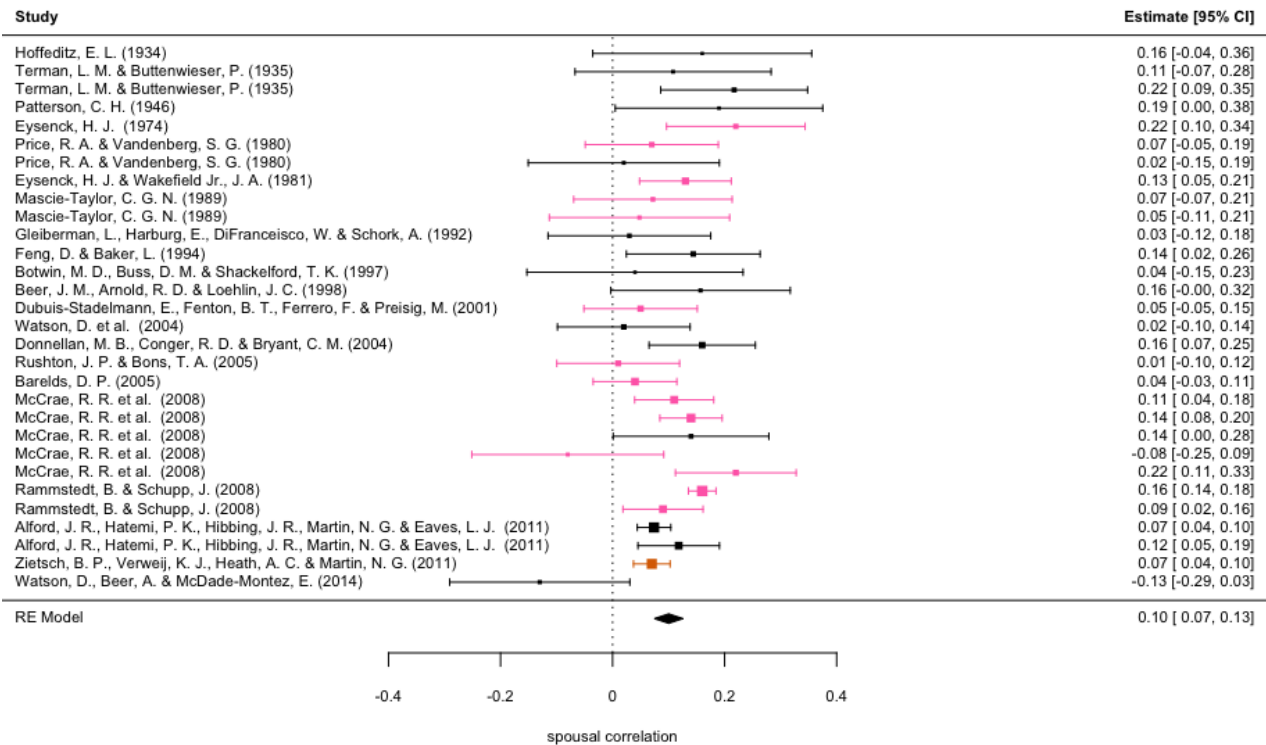
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Extraversion



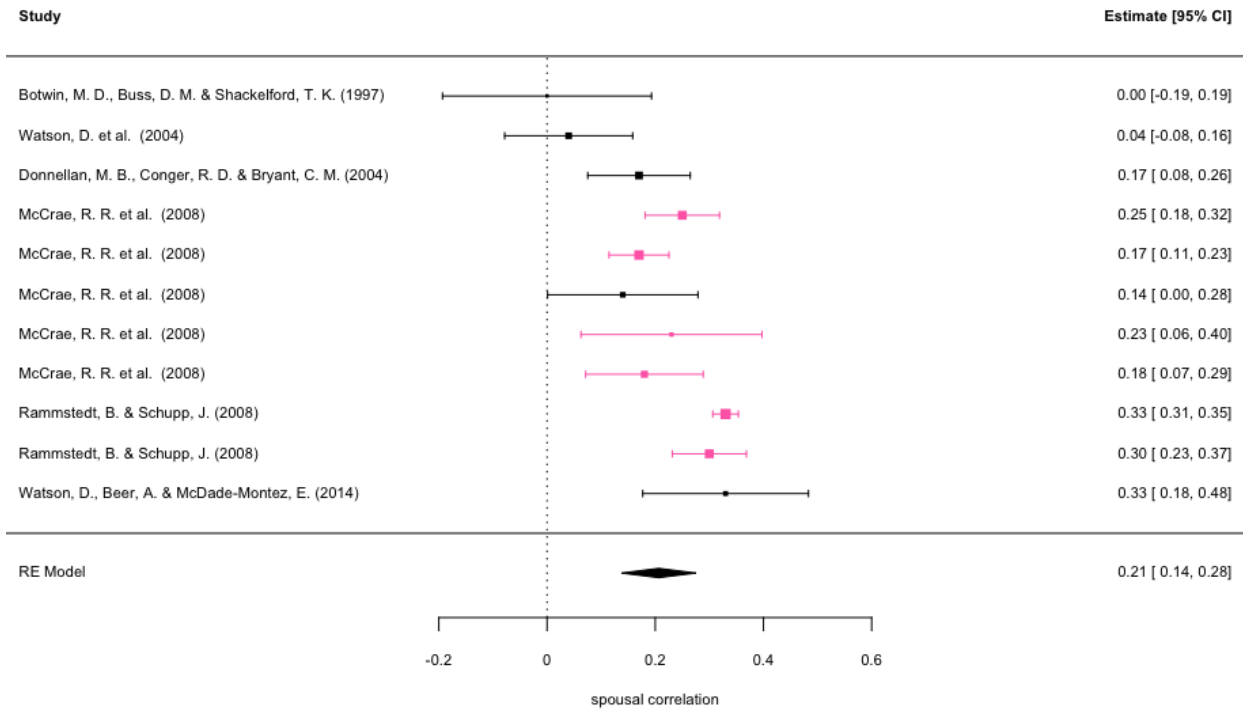
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Neuroticism



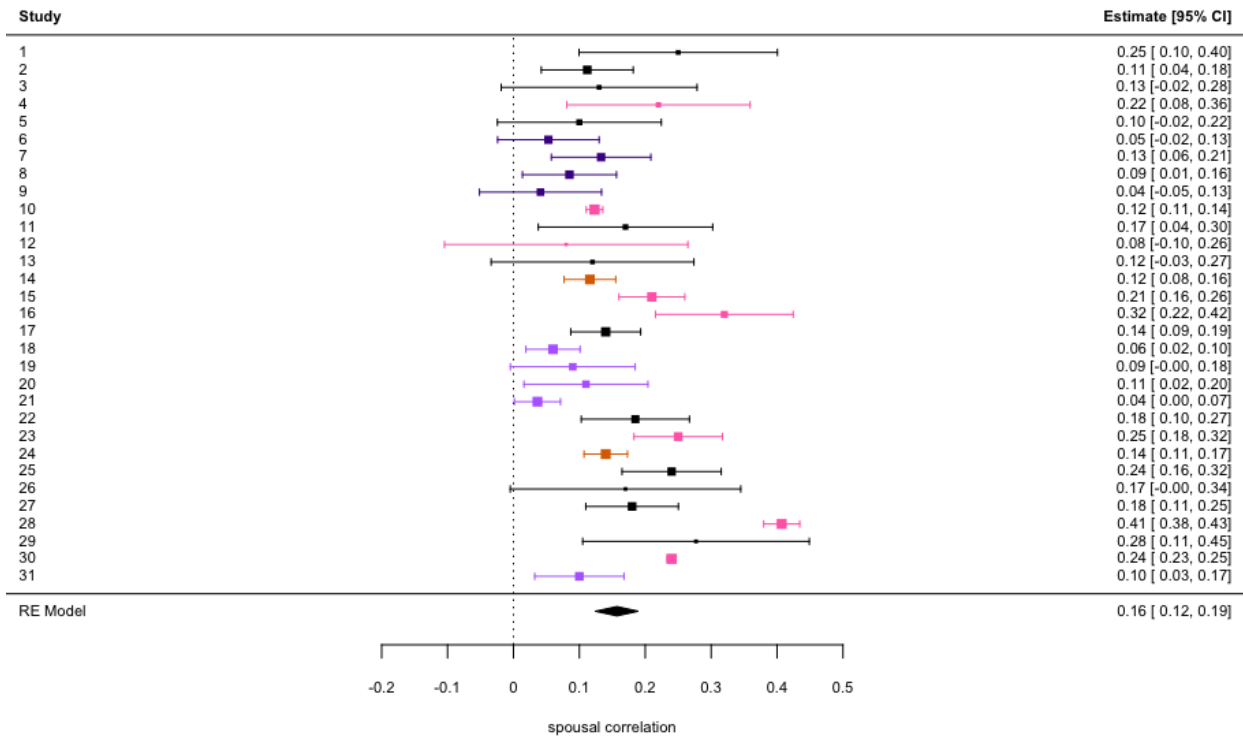
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Openness

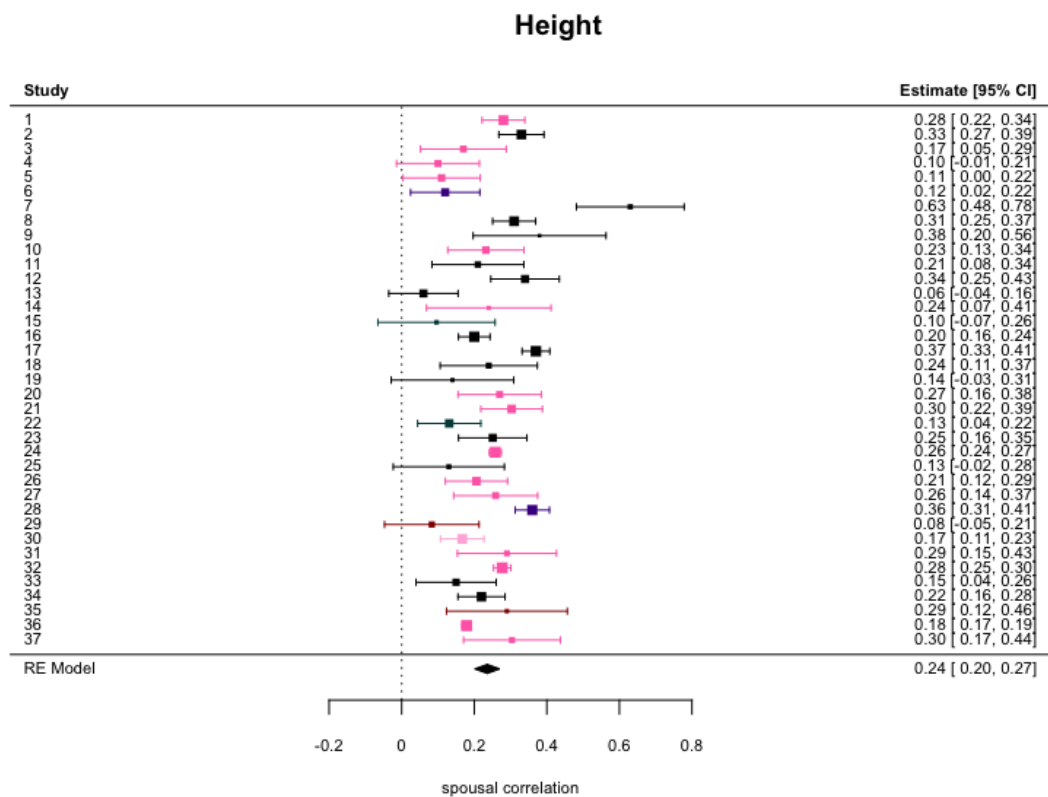


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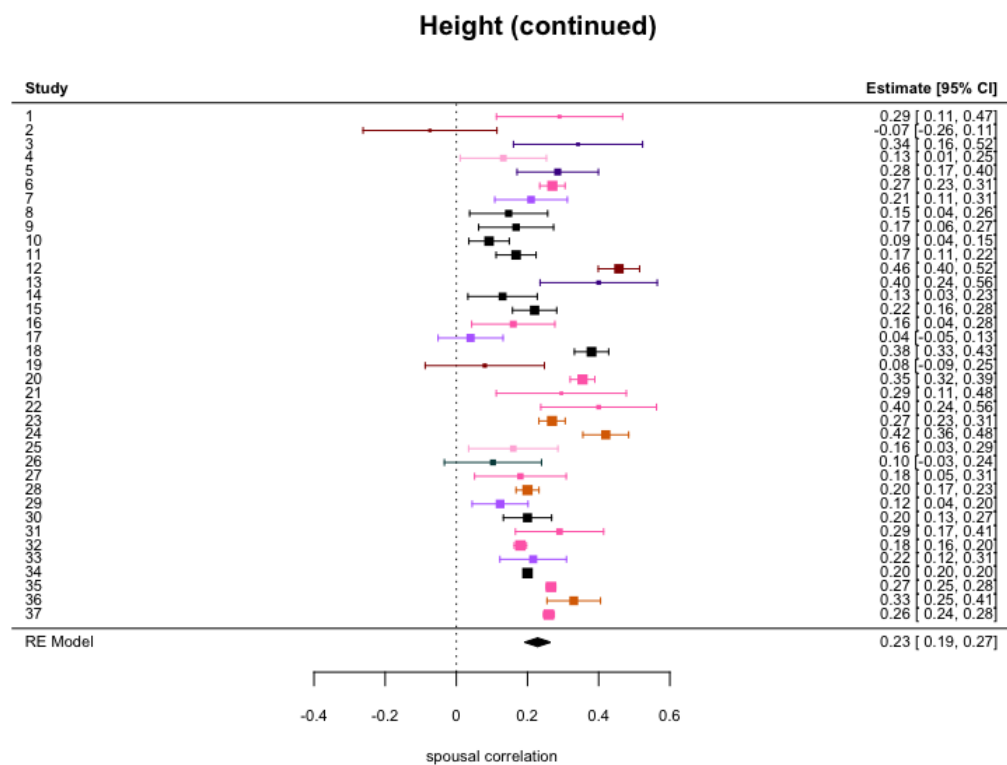
Body mass index



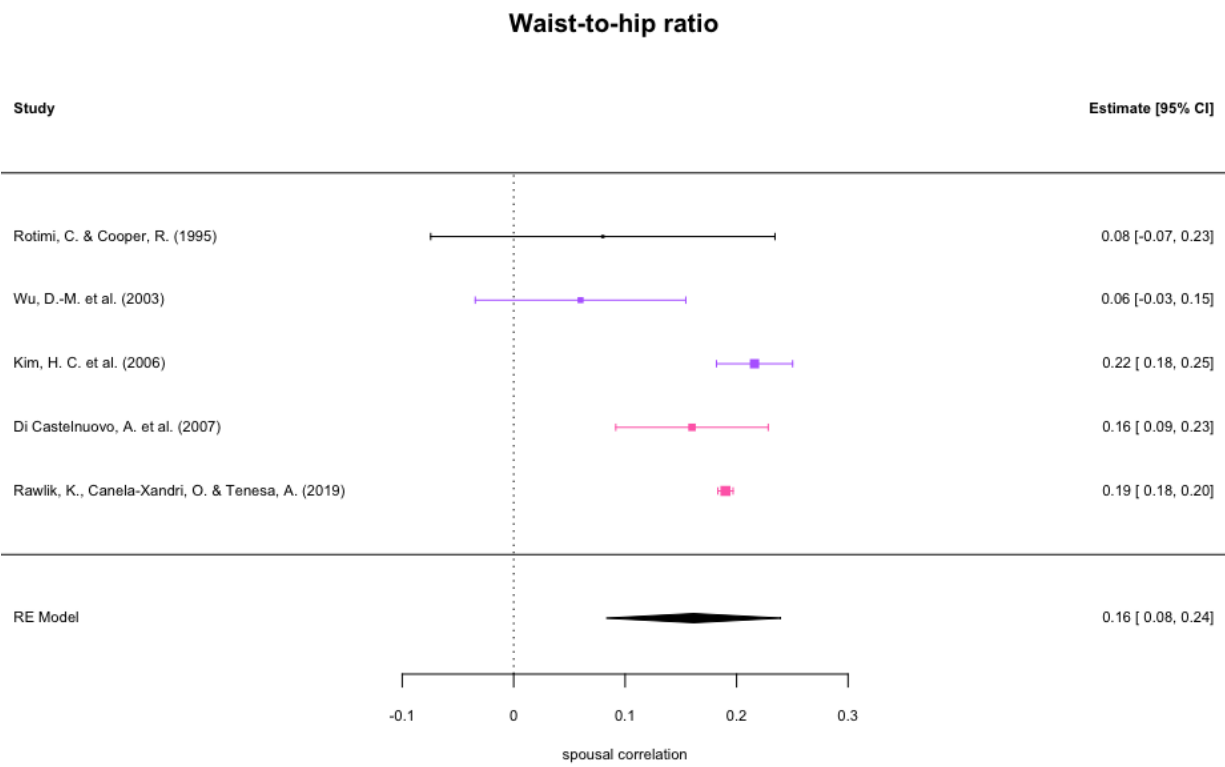
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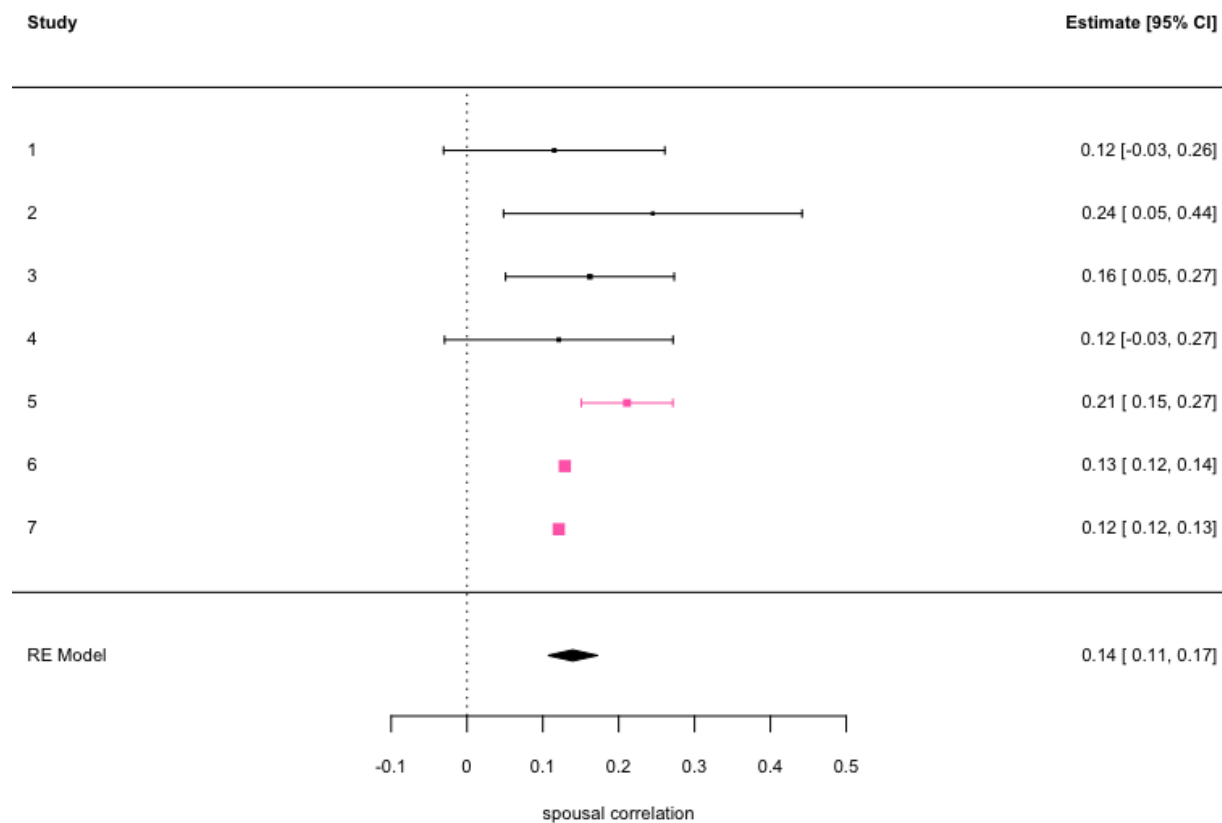
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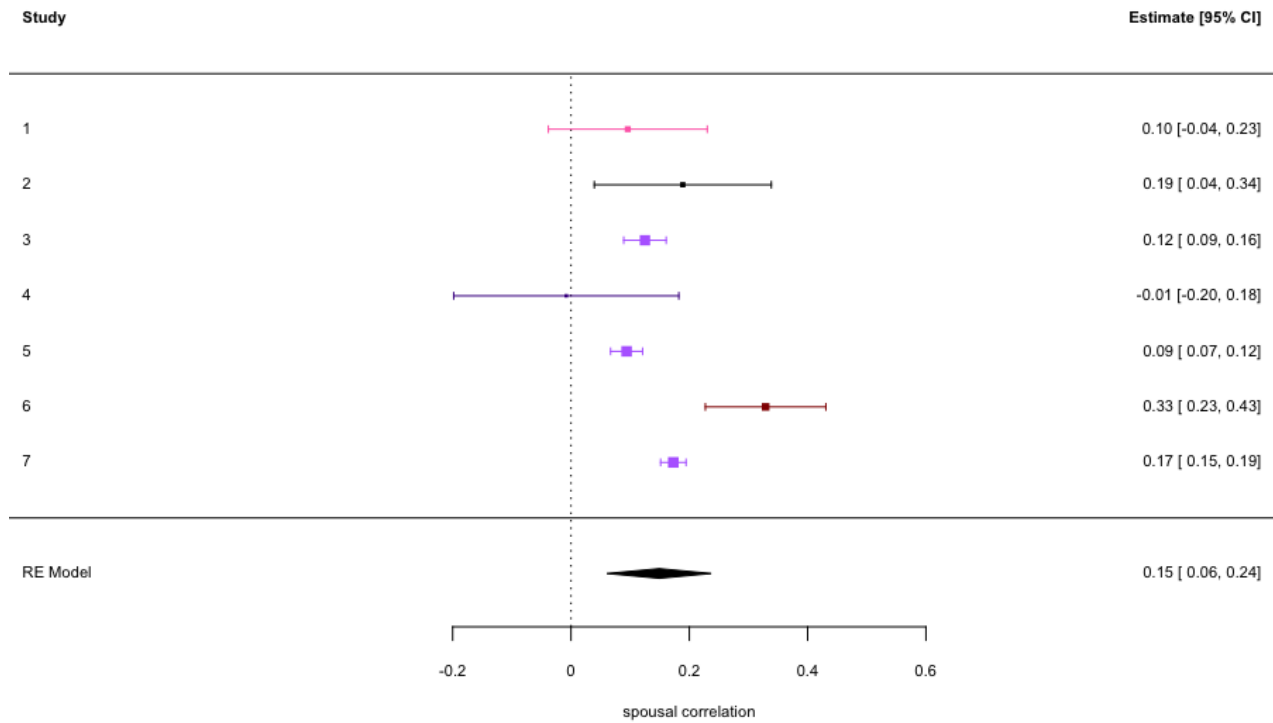
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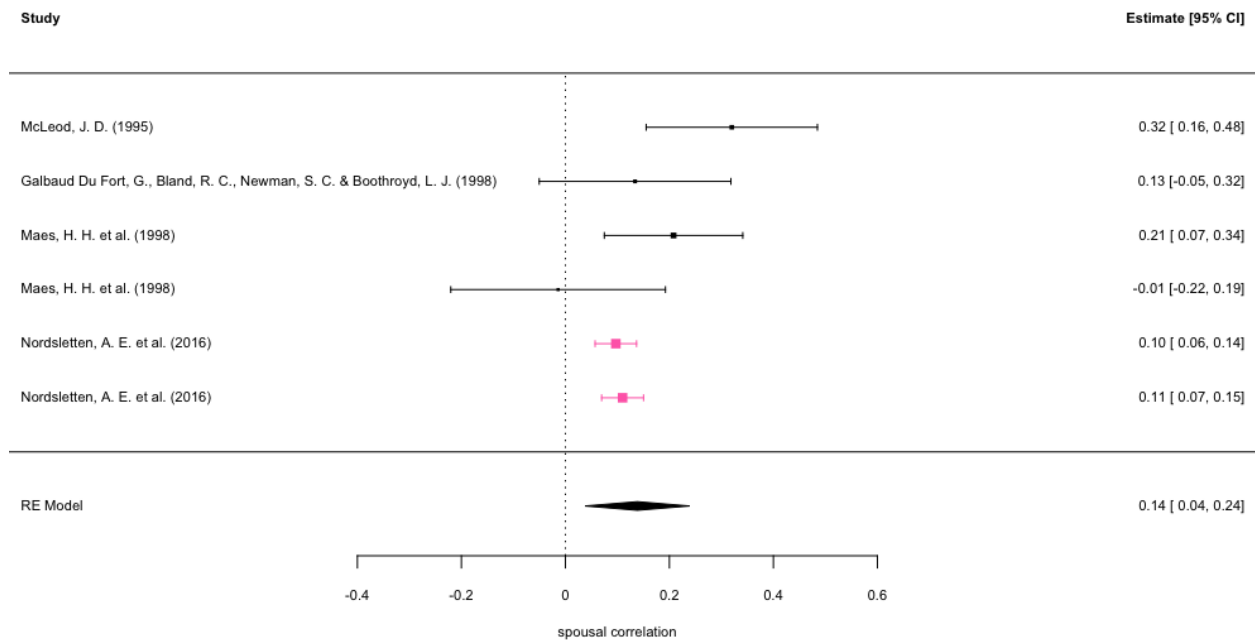
Depression



Diabetes



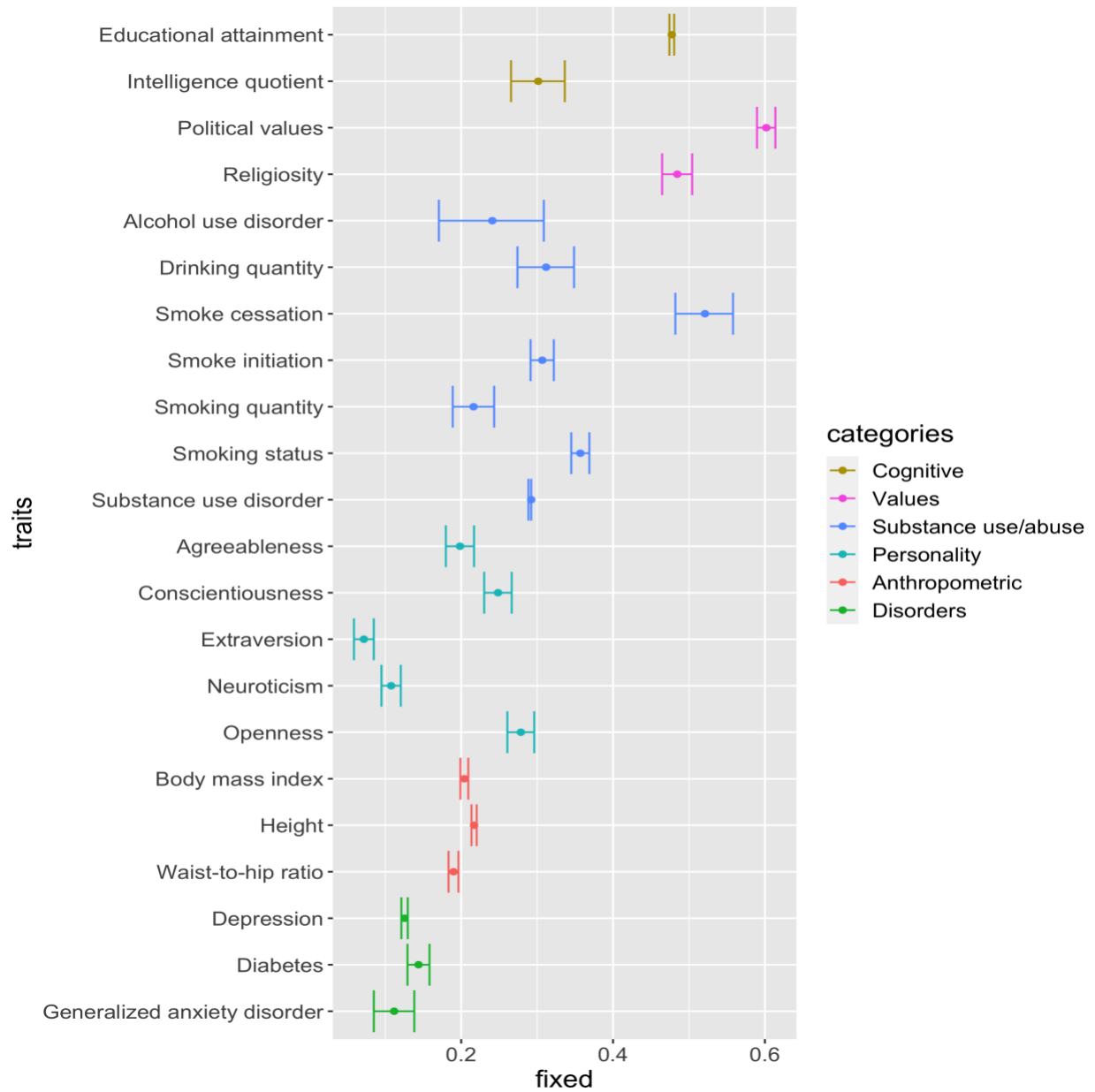
Generalized anxiety disorder



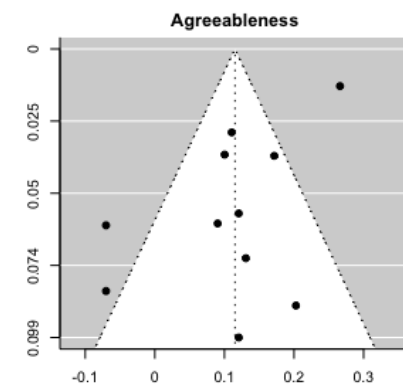
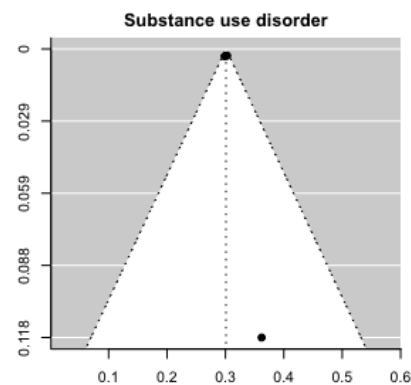
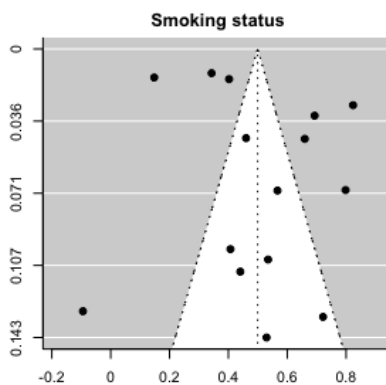
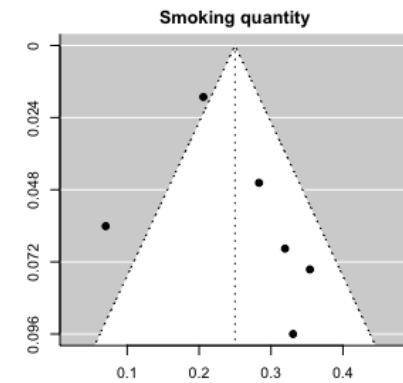
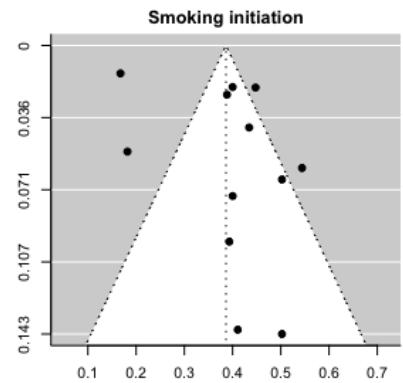
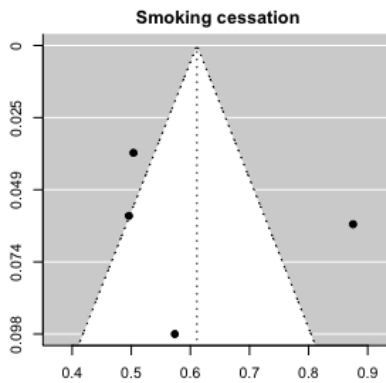
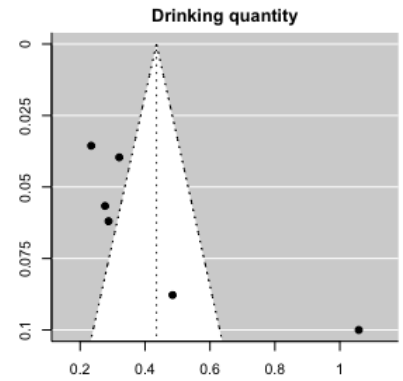
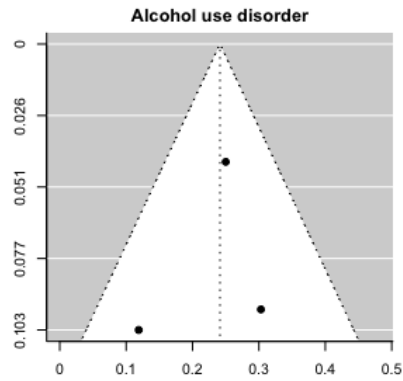
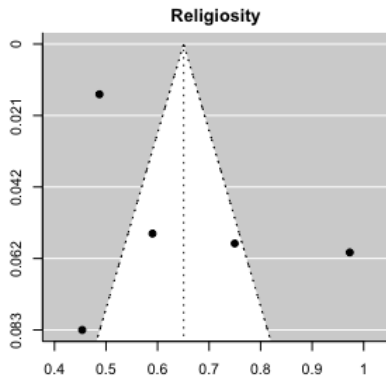
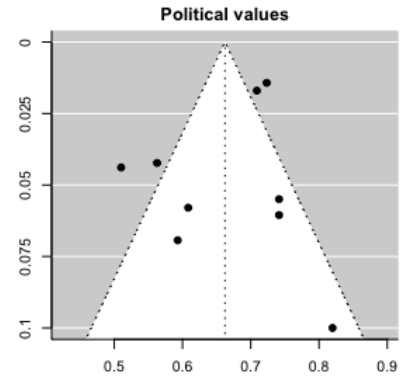
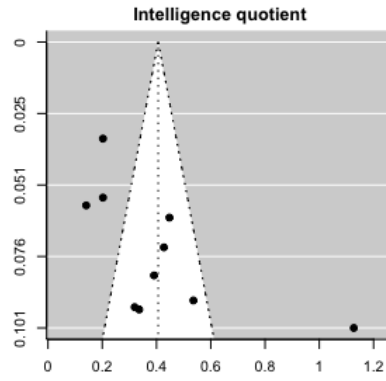
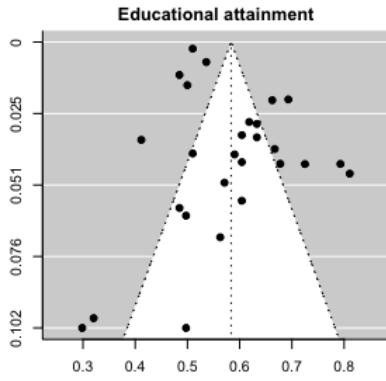
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Supplementary Figure 1. Forest plots depicting the random effects effect sizes reported for each study (in the form of correlations) and their 95% confidence intervals. The estimates within each phenotype are sorted by year of publication (from top to bottom) and are color-coded to indicate the region from which the sample was taken, as indicated in the legend. Asterisks listed next to the studies' authors indicate that the sample was predominantly made-up of a racial group that is not the majority demographic in the region from which it was sampled. For the same trend in forest plots in which numbers were used in place of author names, see corresponding authors at the end of the document.

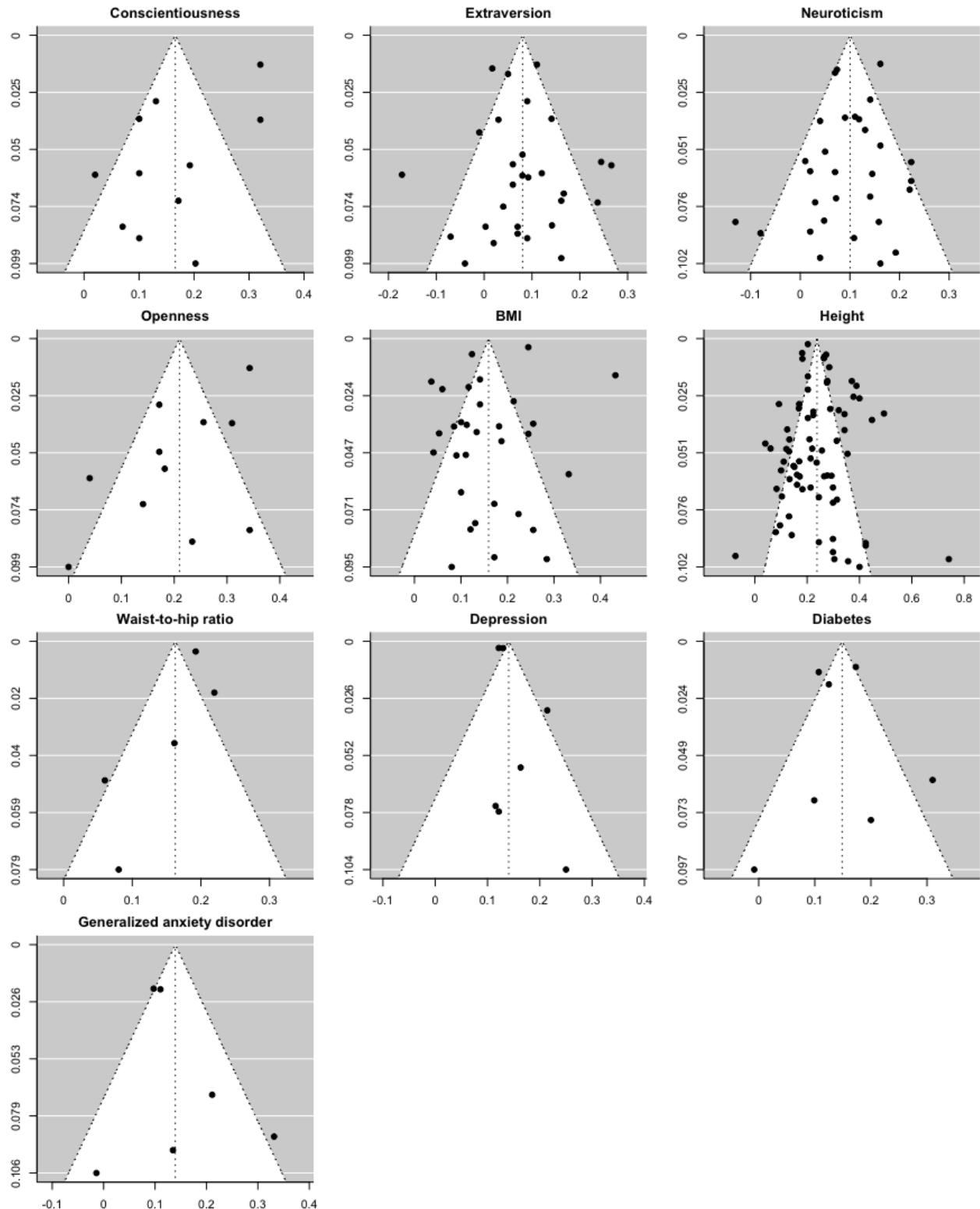


Supplementary Figure 2. The fixed effects meta-analyzed spousal correlations and 95% confidence intervals for each phenotype.

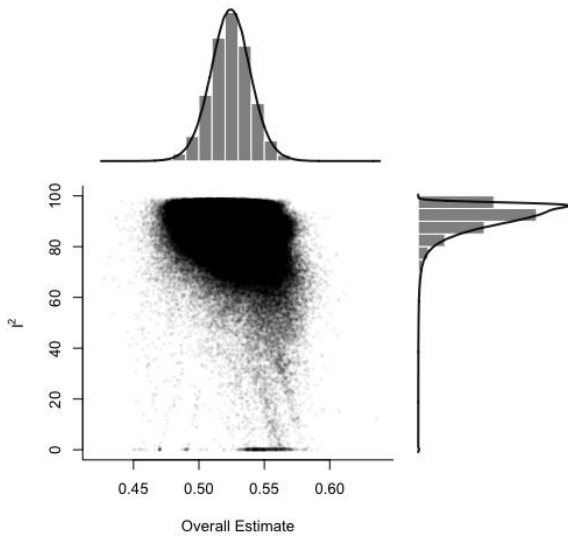


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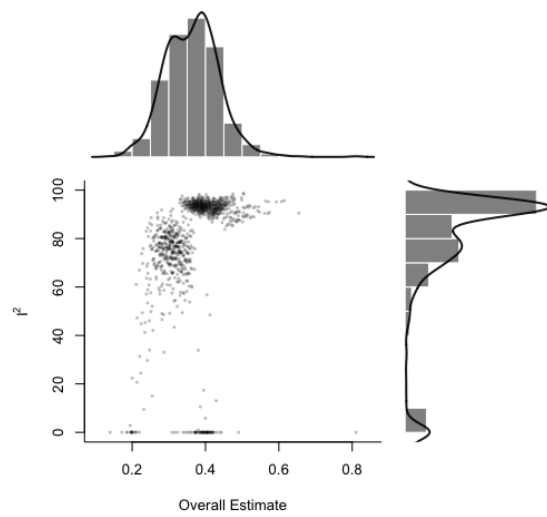
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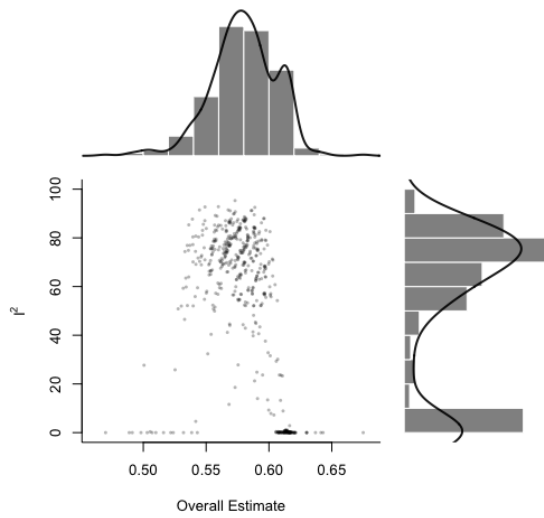
Supplementary Figure 3. Funnel plots, designed to assess possible publication bias for each study by comparing the Fisher's z transformed correlations to their standard errors. For dichotomous traits, standard error was estimated based on the effective sample size (see main text).



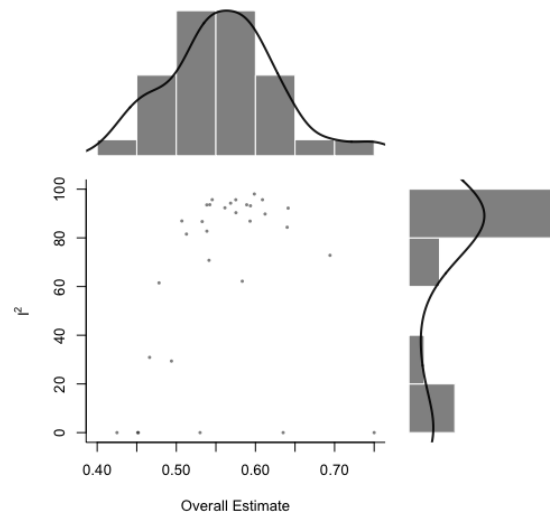
Educational attainment



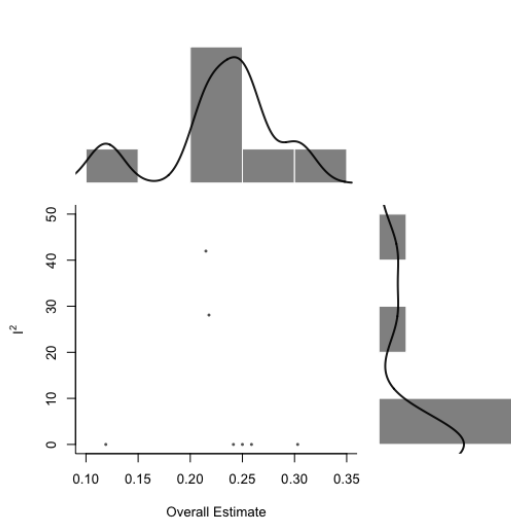
Intelligence quotient



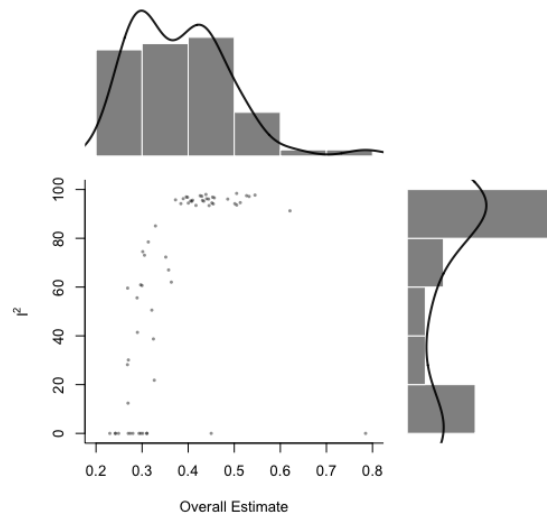
Political values



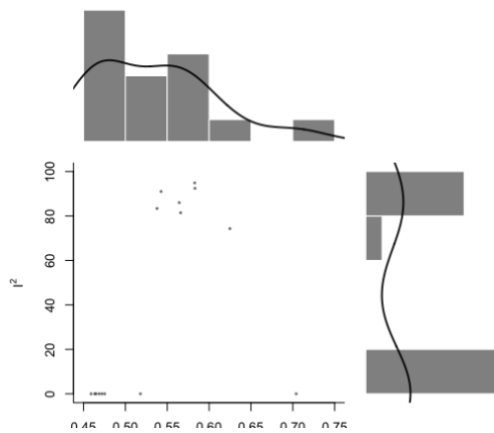
Religiosity



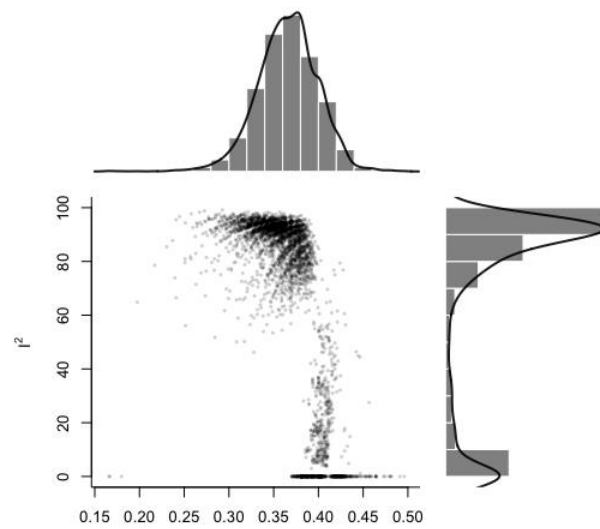
Alcohol use disorder



Drinking quantity



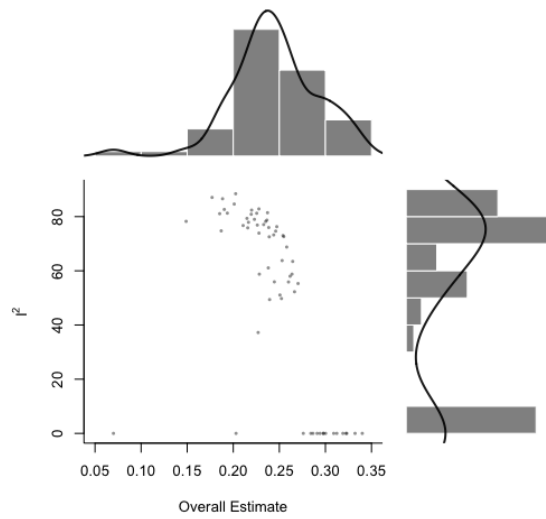
Smoking cessation



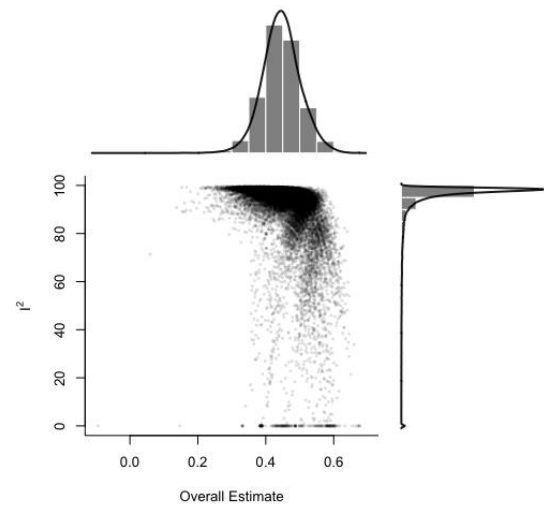
Smoking initiation

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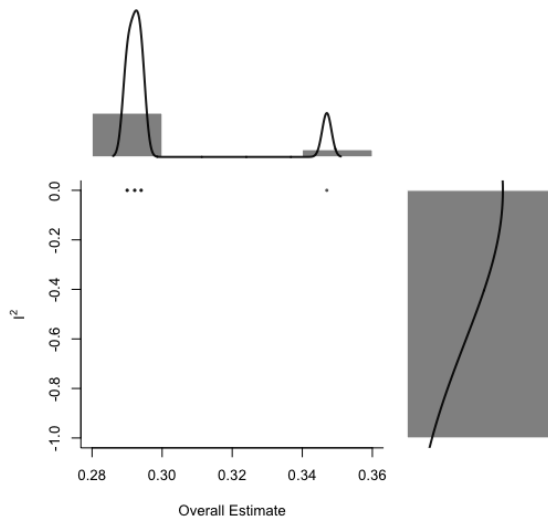
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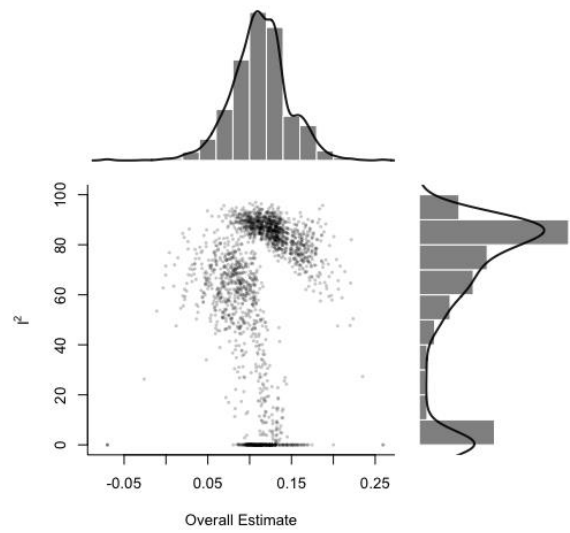
Smoking quantity



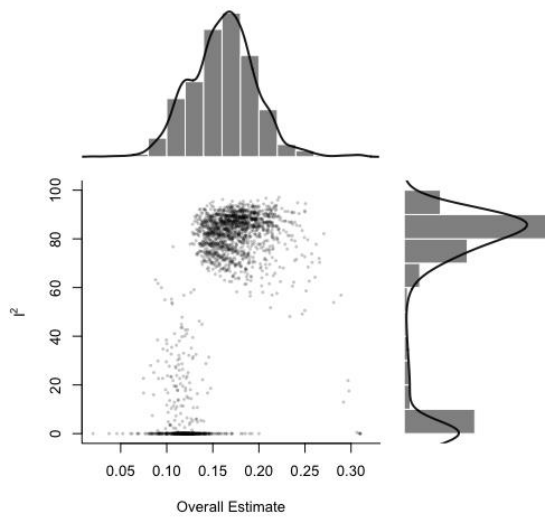
Smoking status



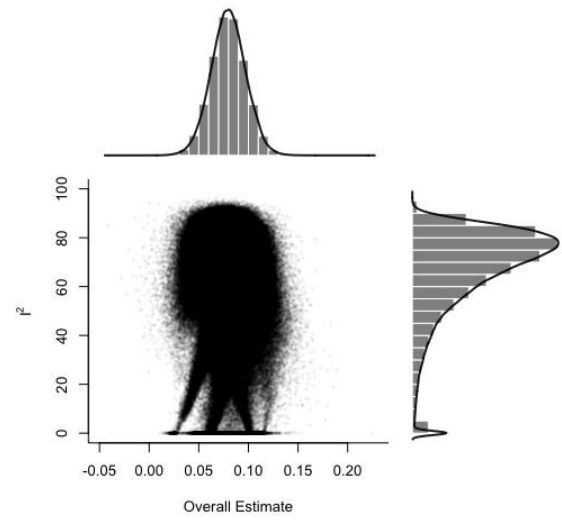
Substance use disorder



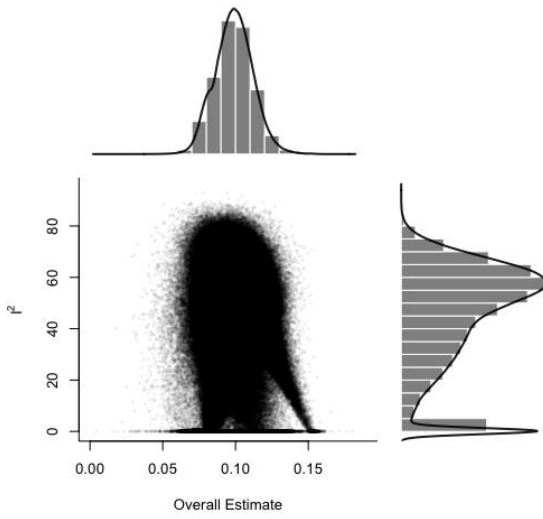
Agreeableness



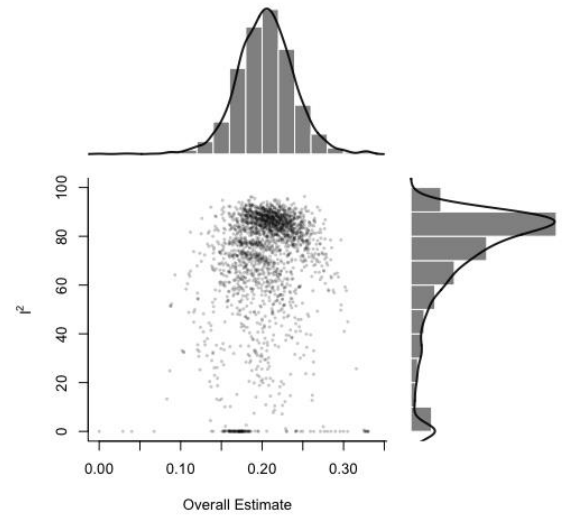
Conscientiousness



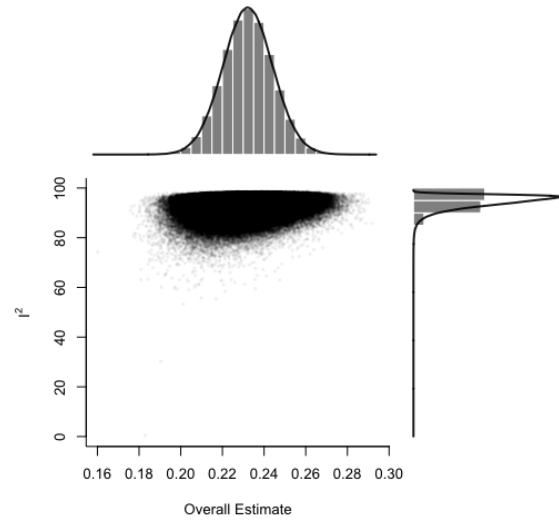
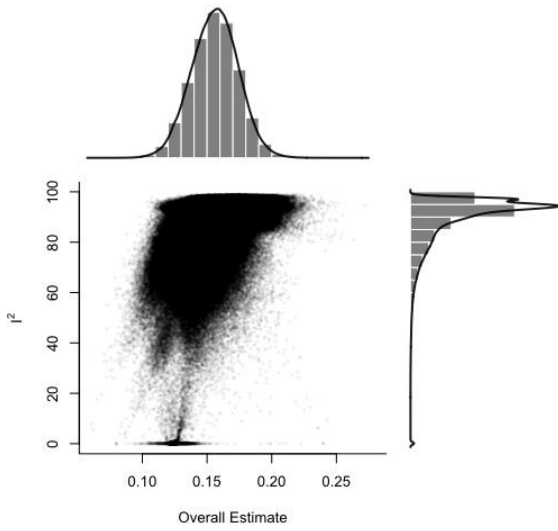
Extraversion



Neuroticism

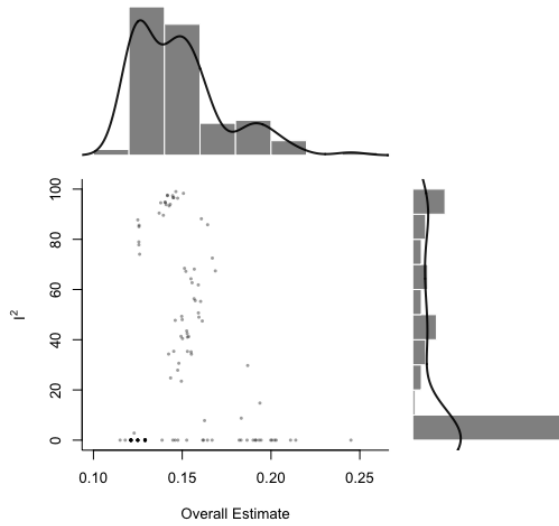
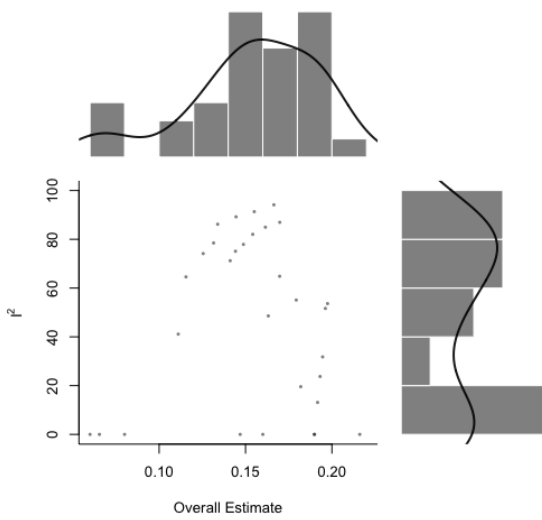


Openness



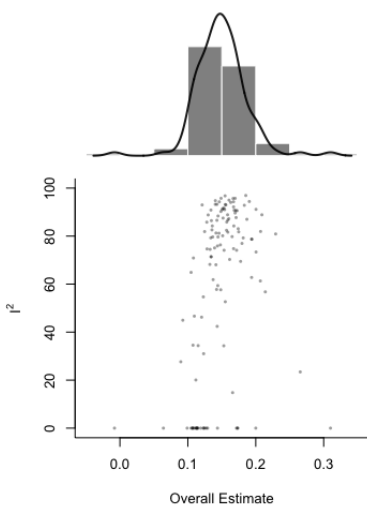
Body mass index

Height

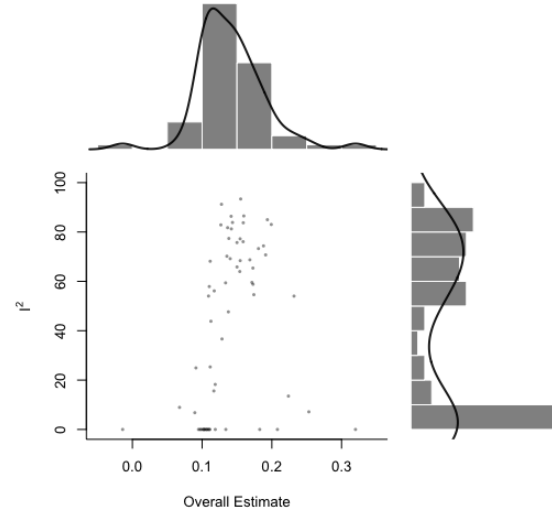


Waist-to-hip ratio

Depression



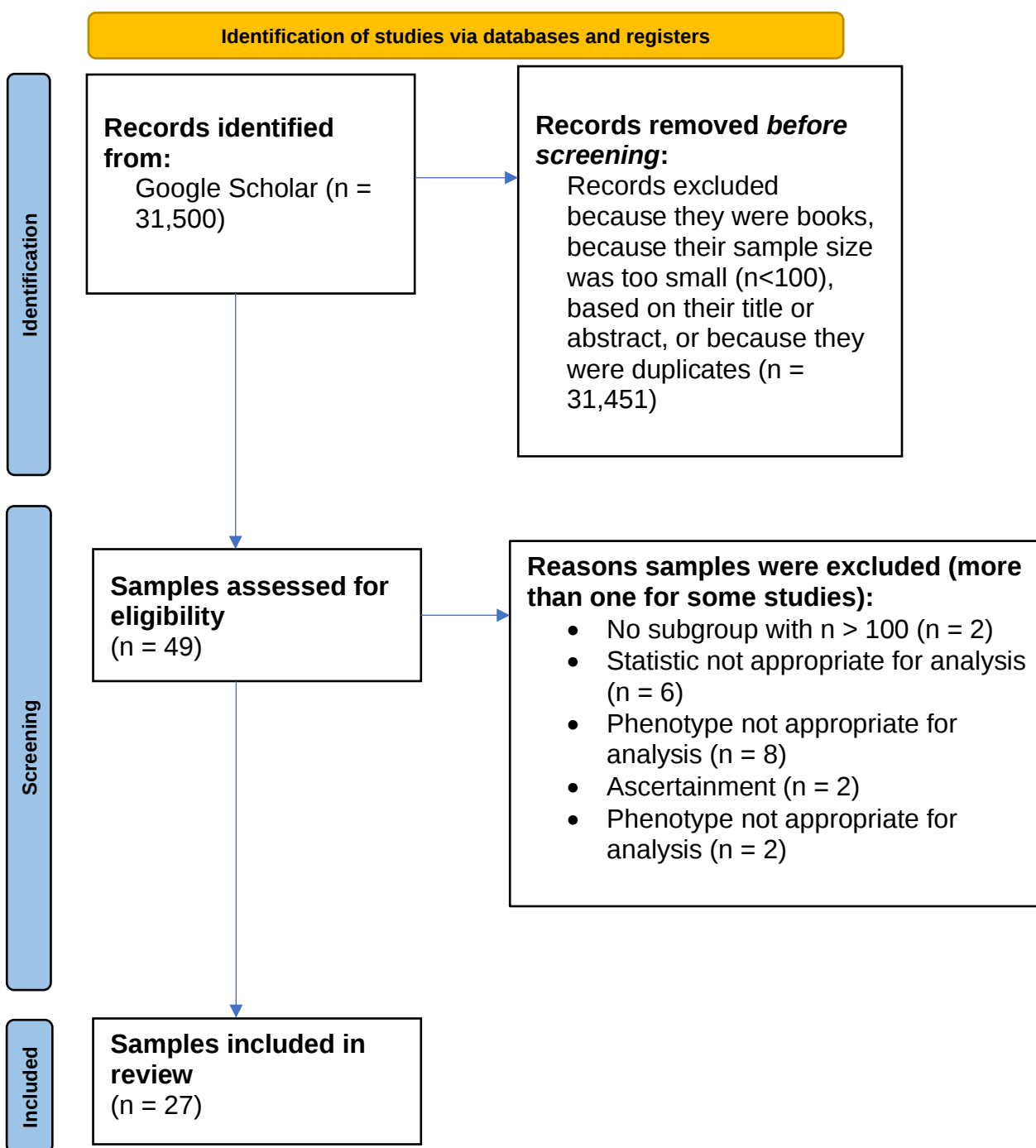
Diabetes



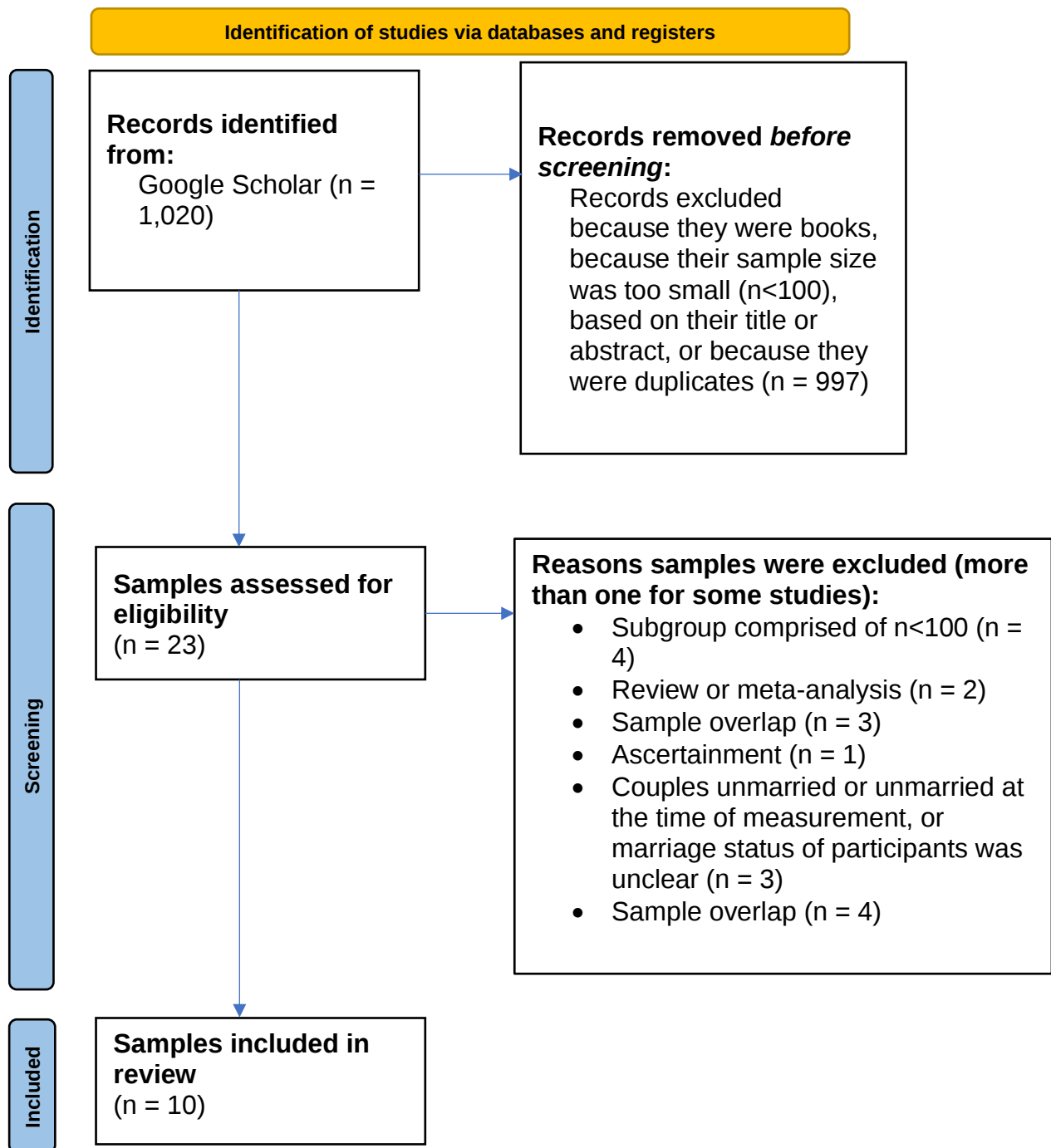
Generalized anxiety disorder

Supplementary Figure 4. Graphic Display of Heterogeneity (GOSH) plots depicting the meta-analyzed correlation against the Higgins & Thompson's I^2 index of heterogeneity for all 2^{k-1} (up to 1 million) possible study combinations for each phenotype.

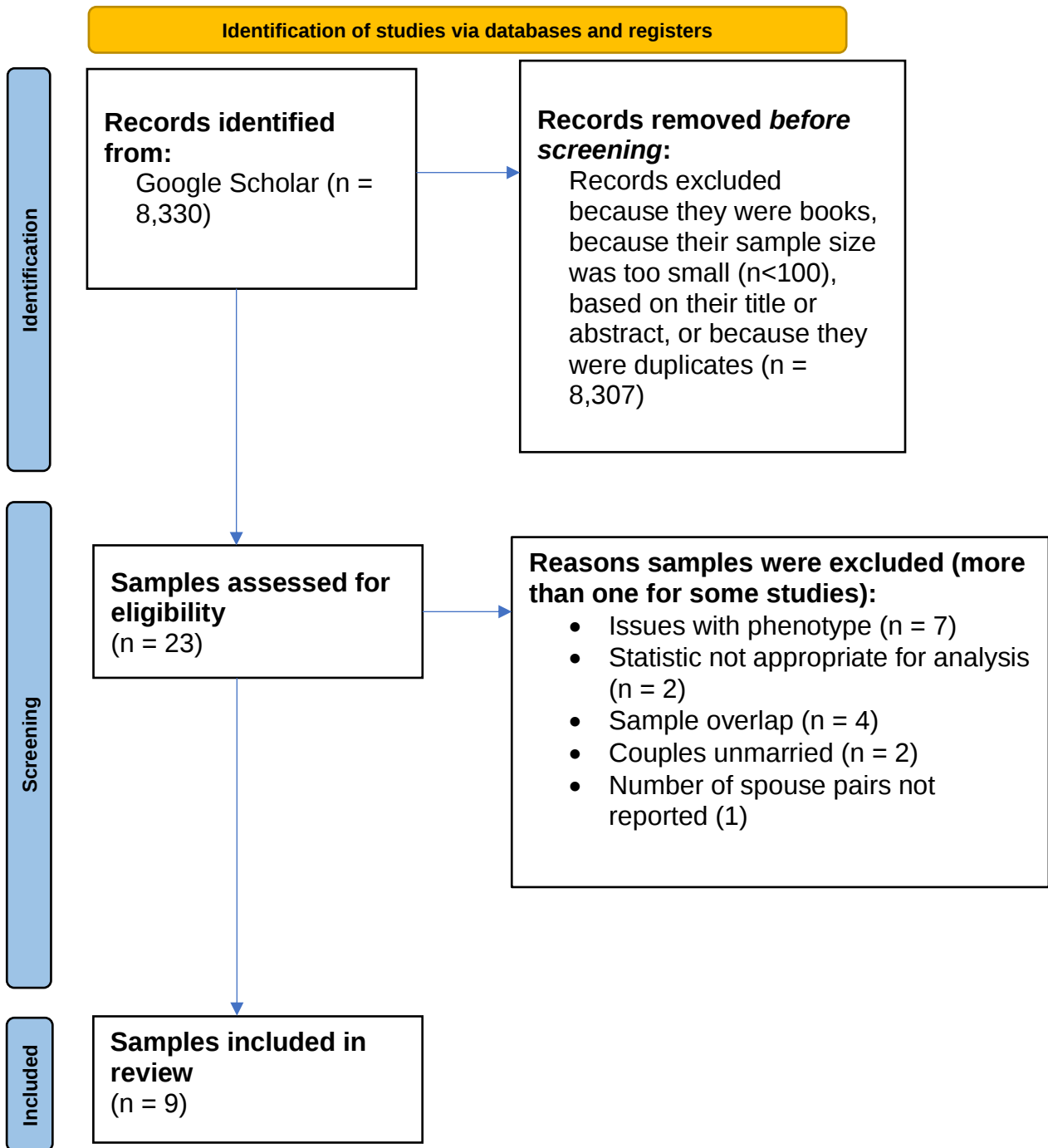
Educational attainment



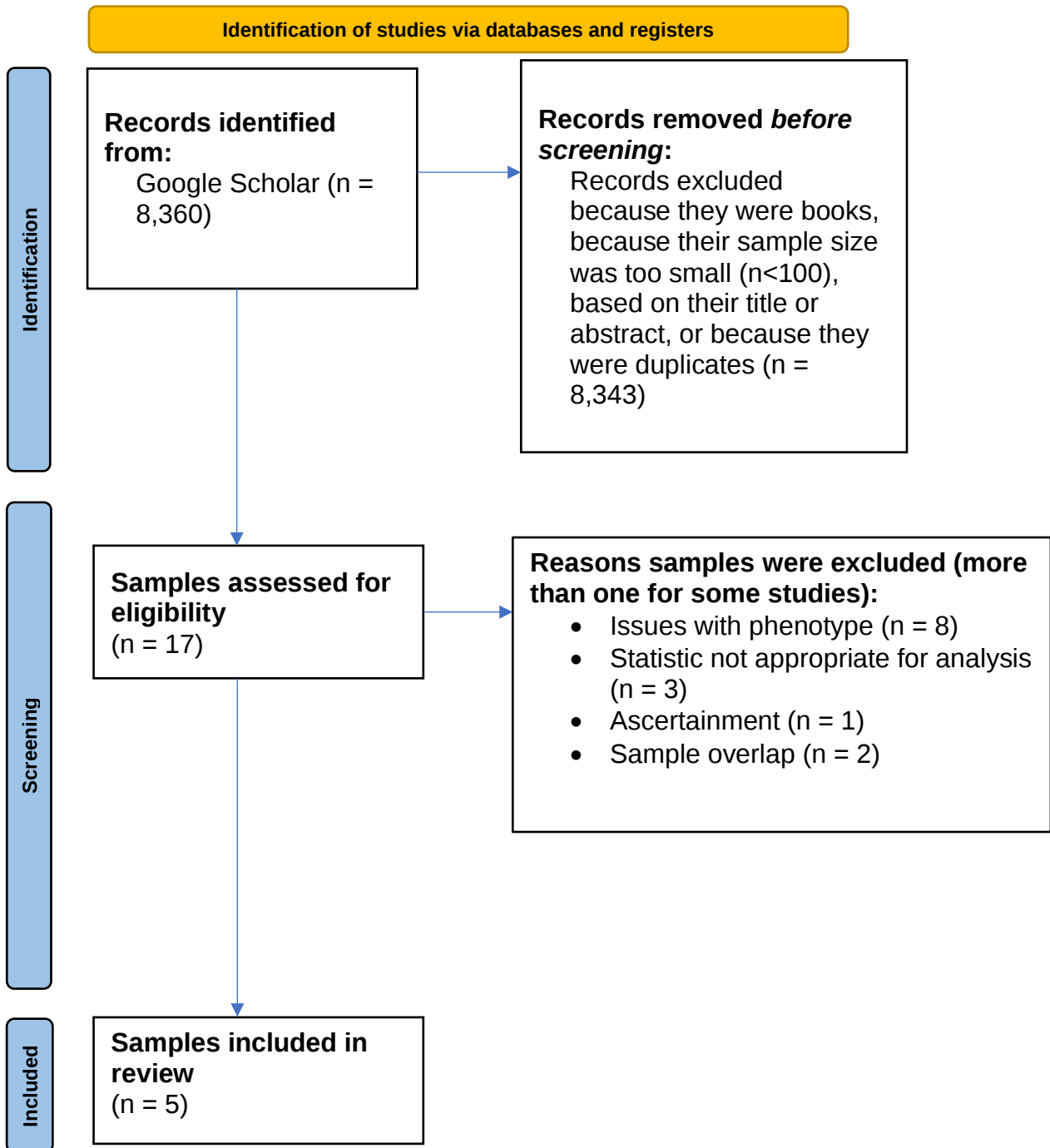
Intelligence quotient



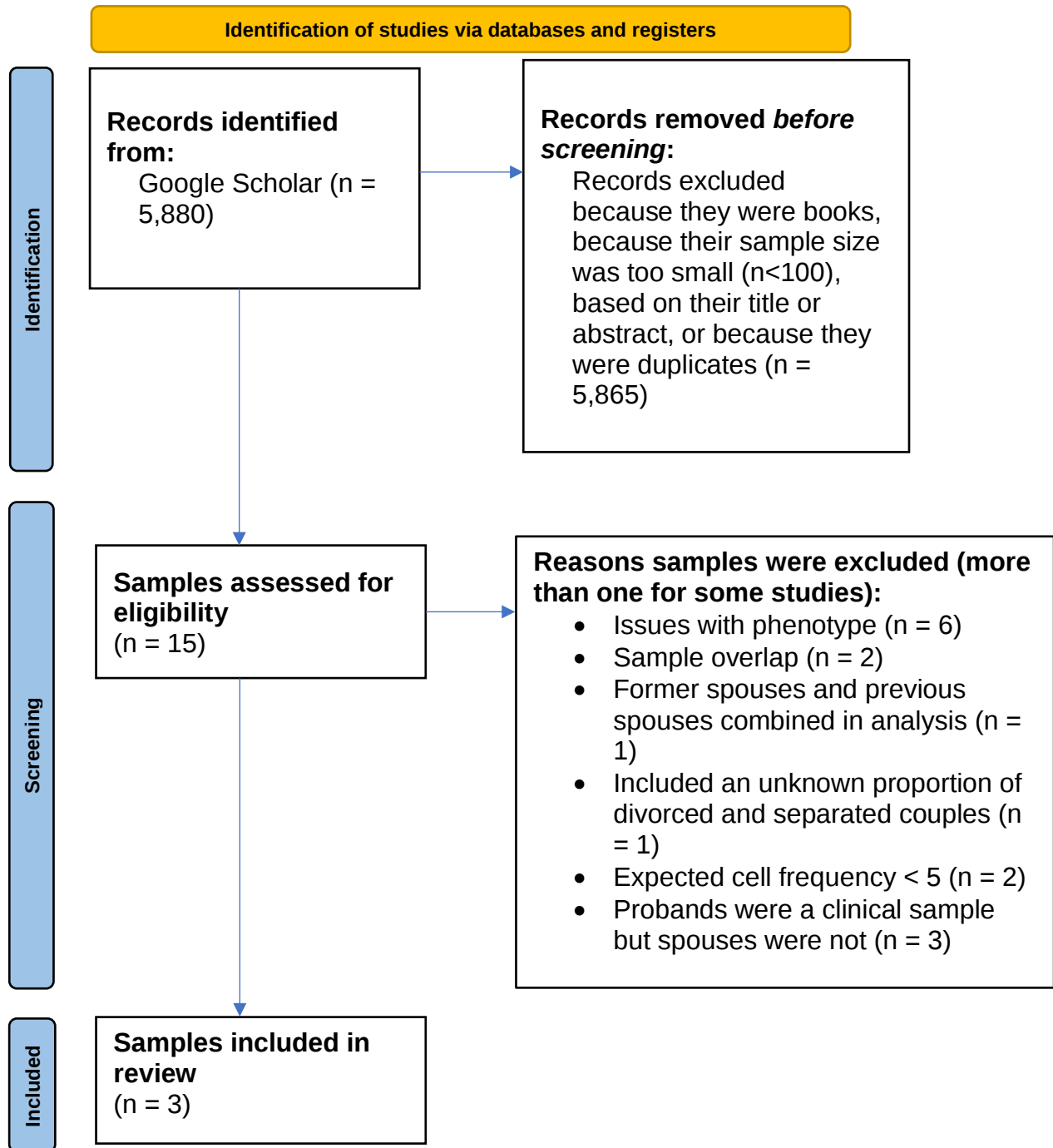
Political values



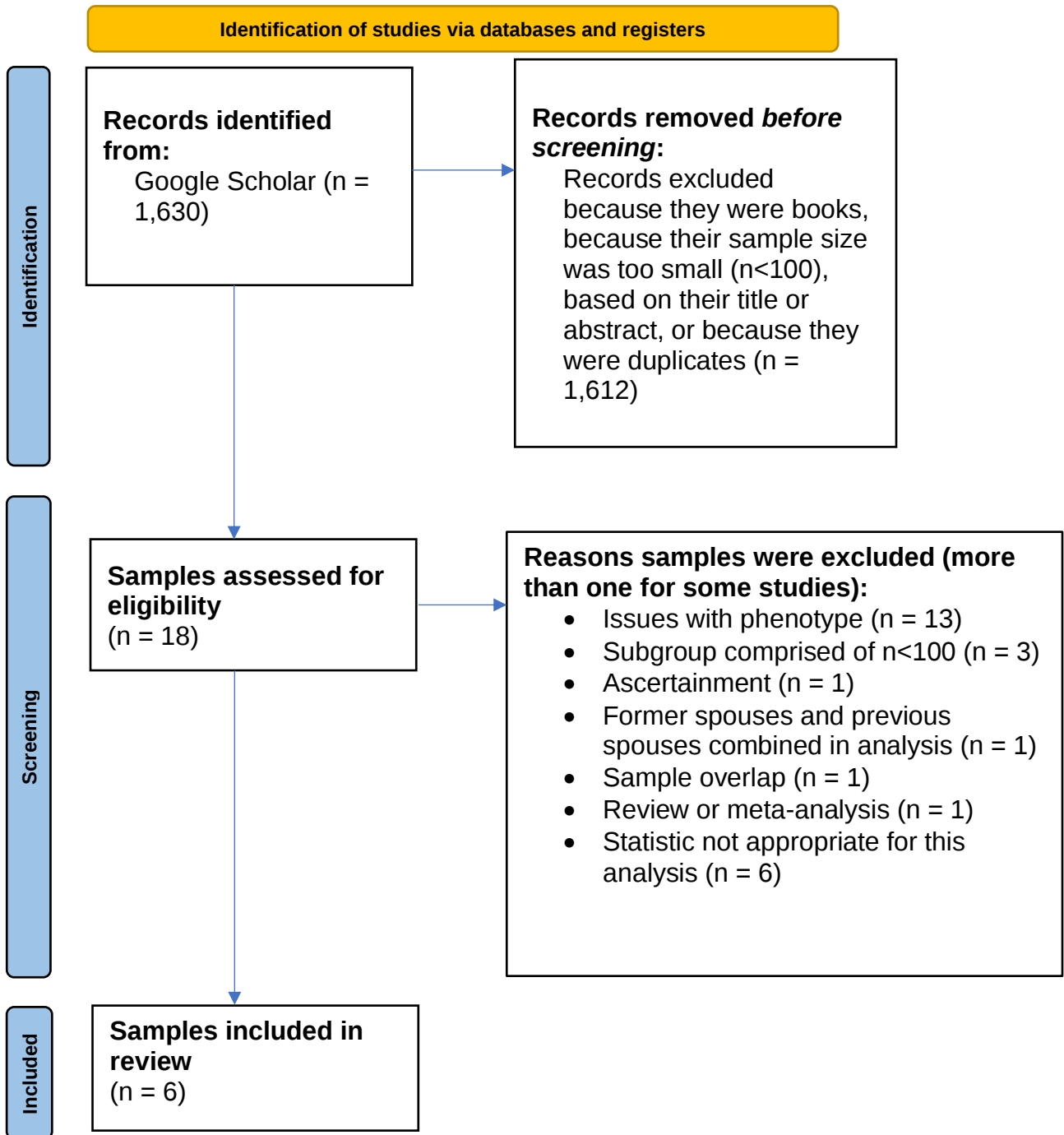
Religiosity



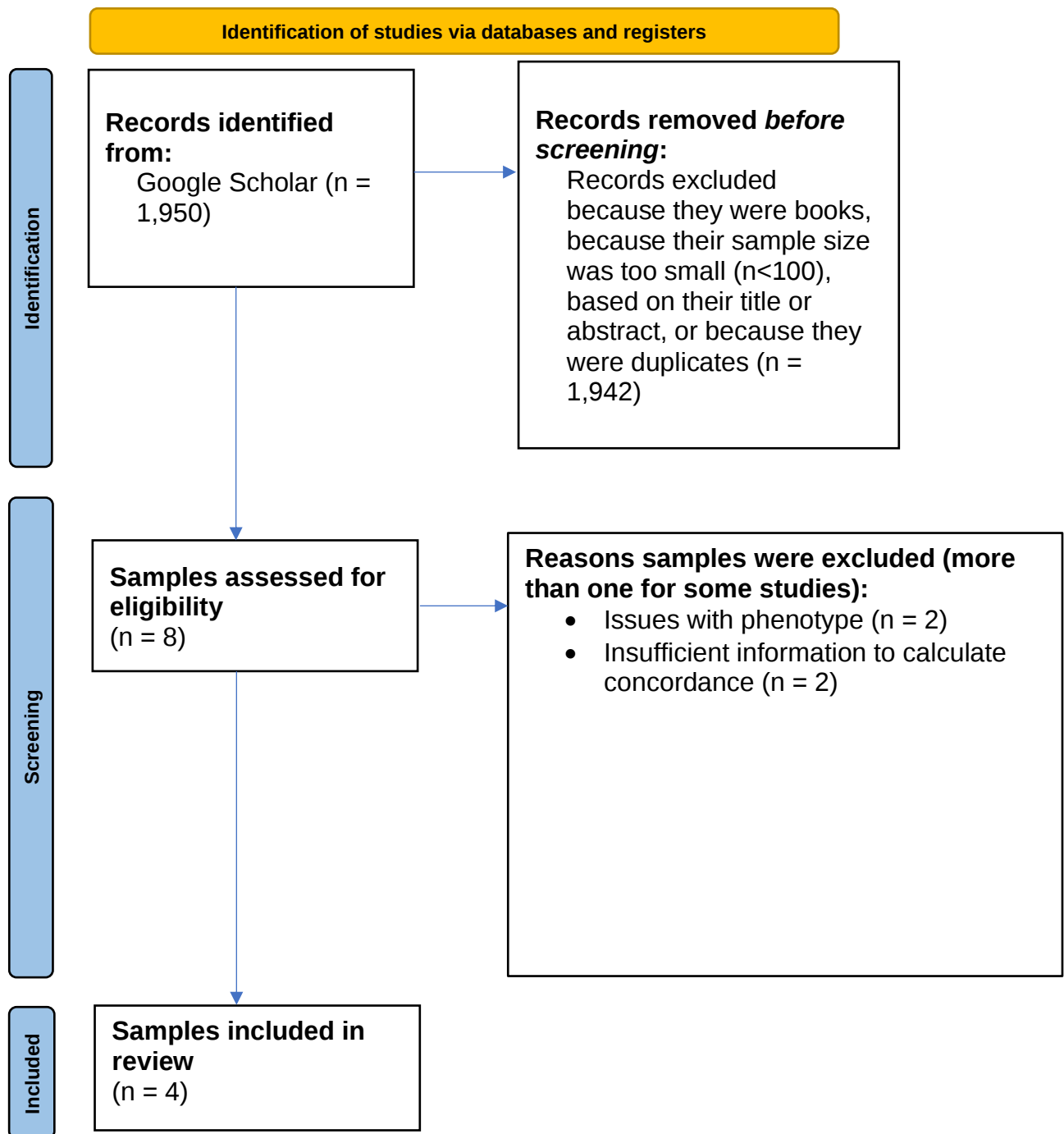
Alcohol use disorder



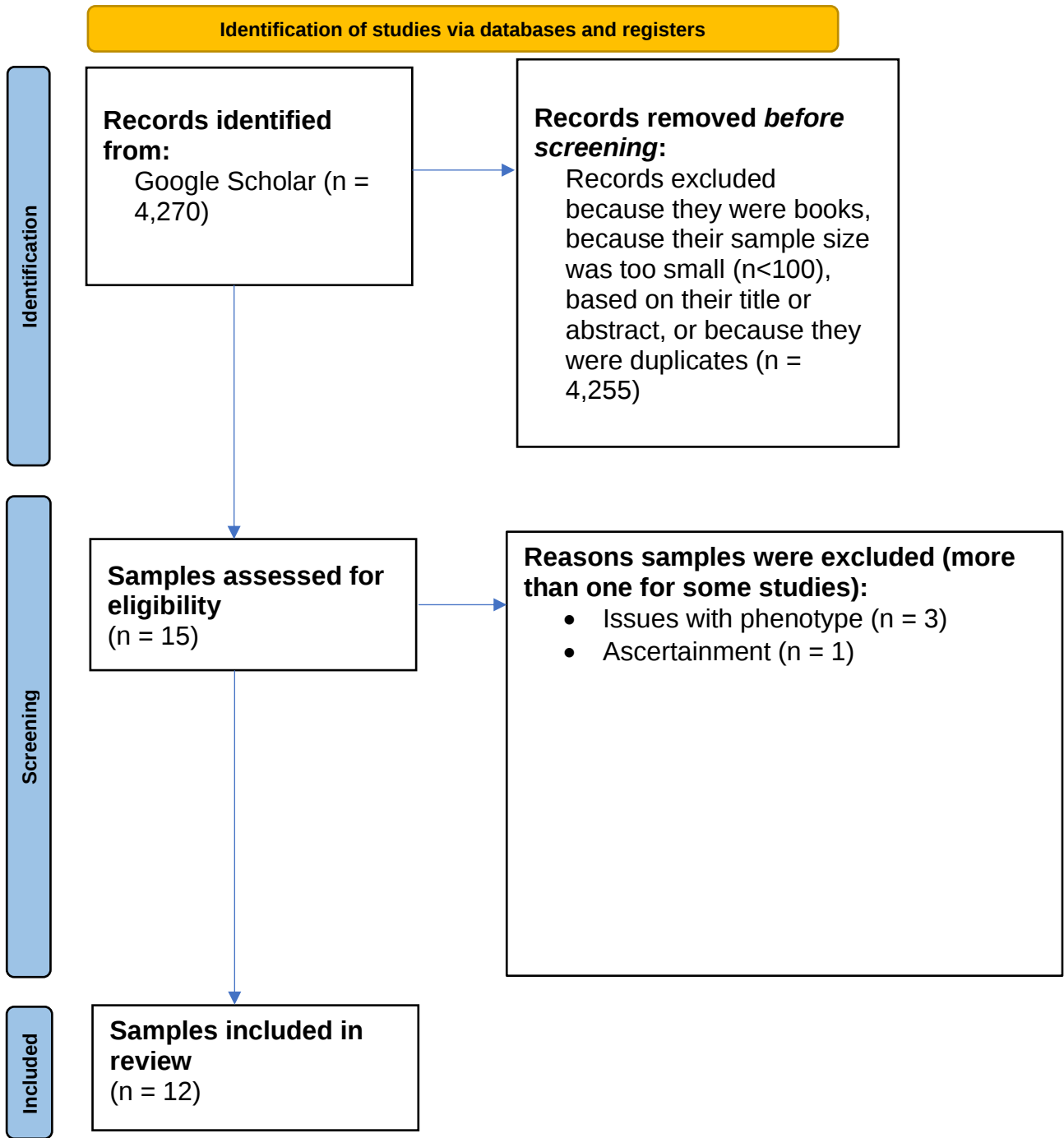
Drinking quantity



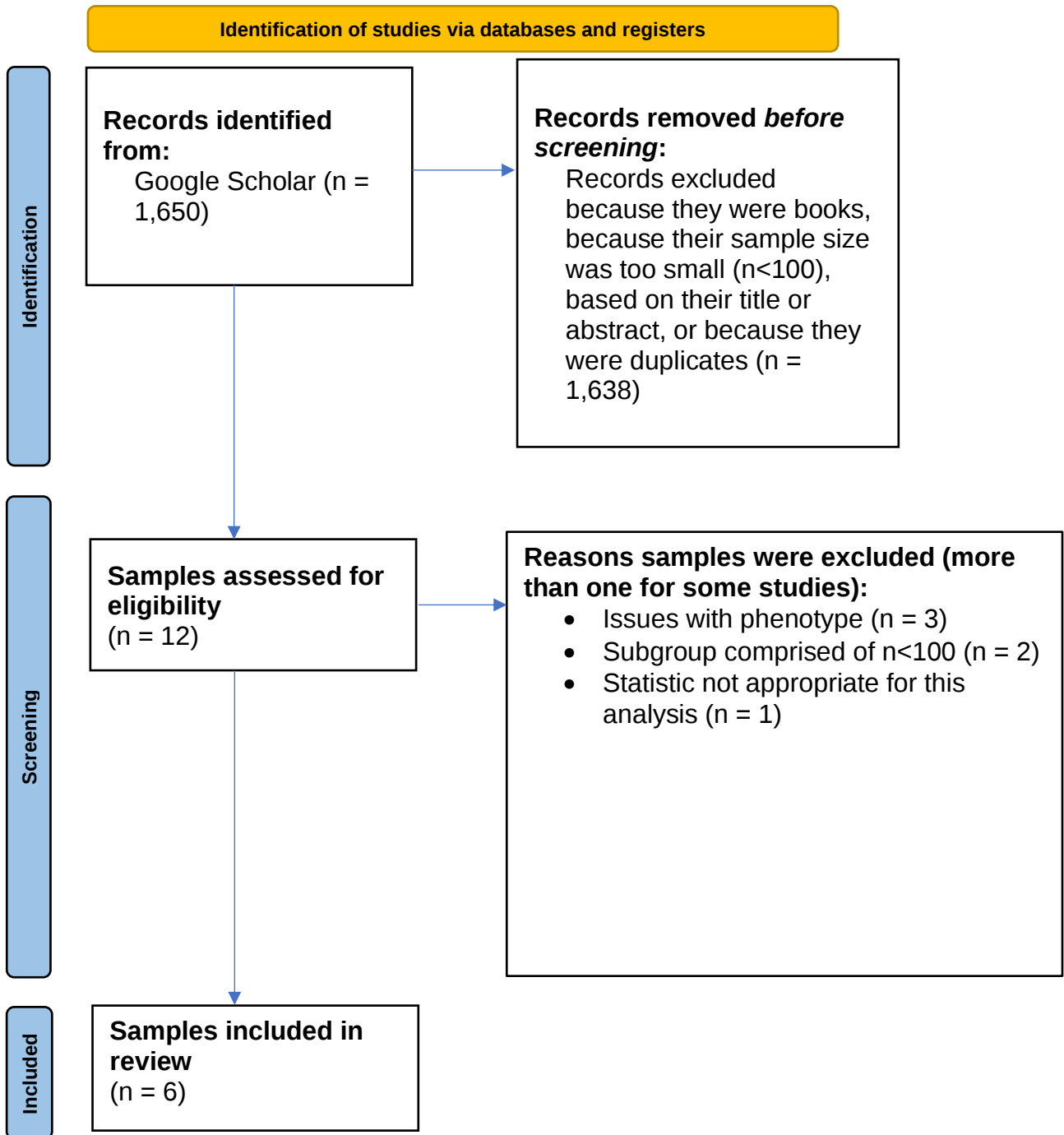
Smoking cessation



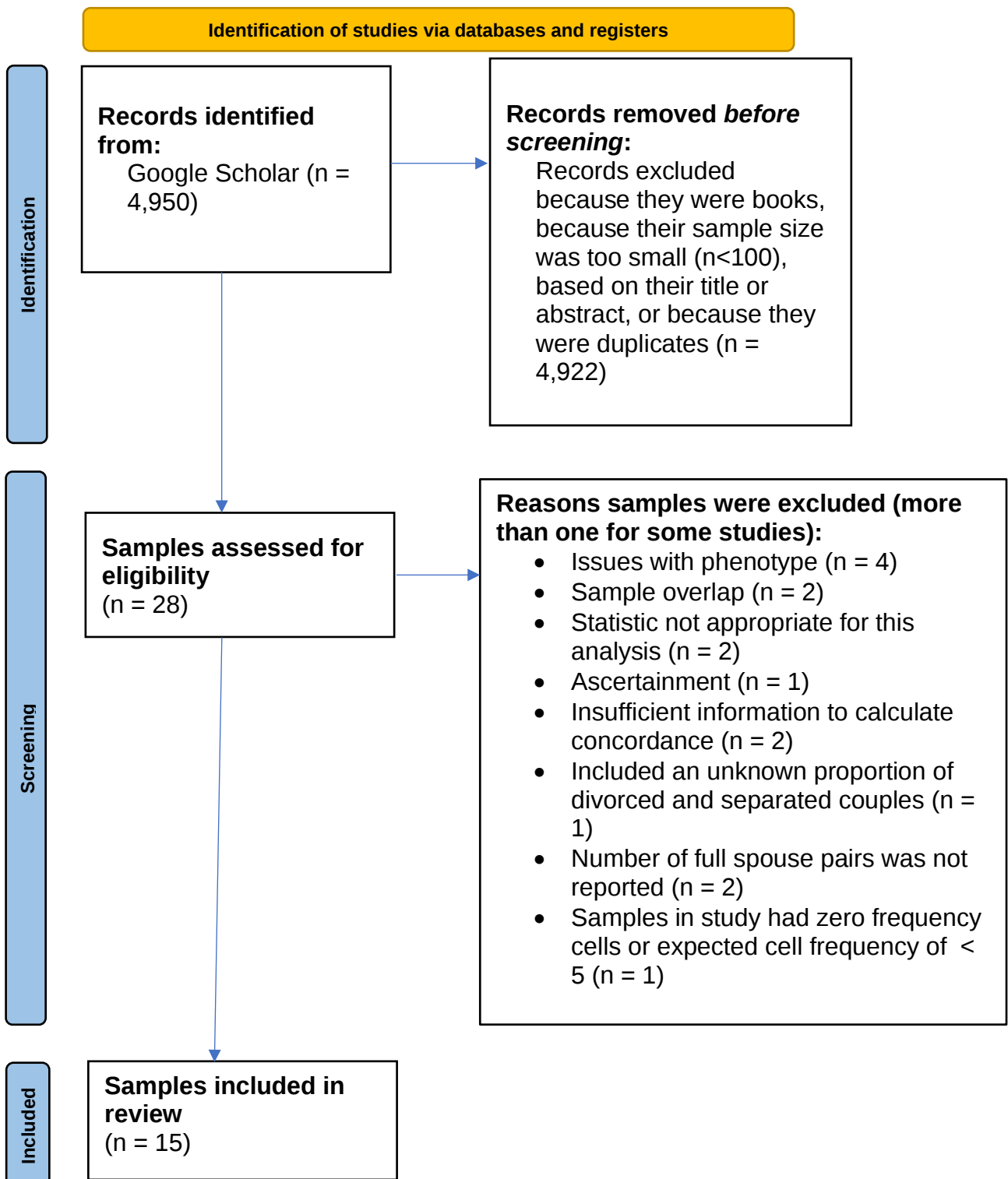
Smoking initiation



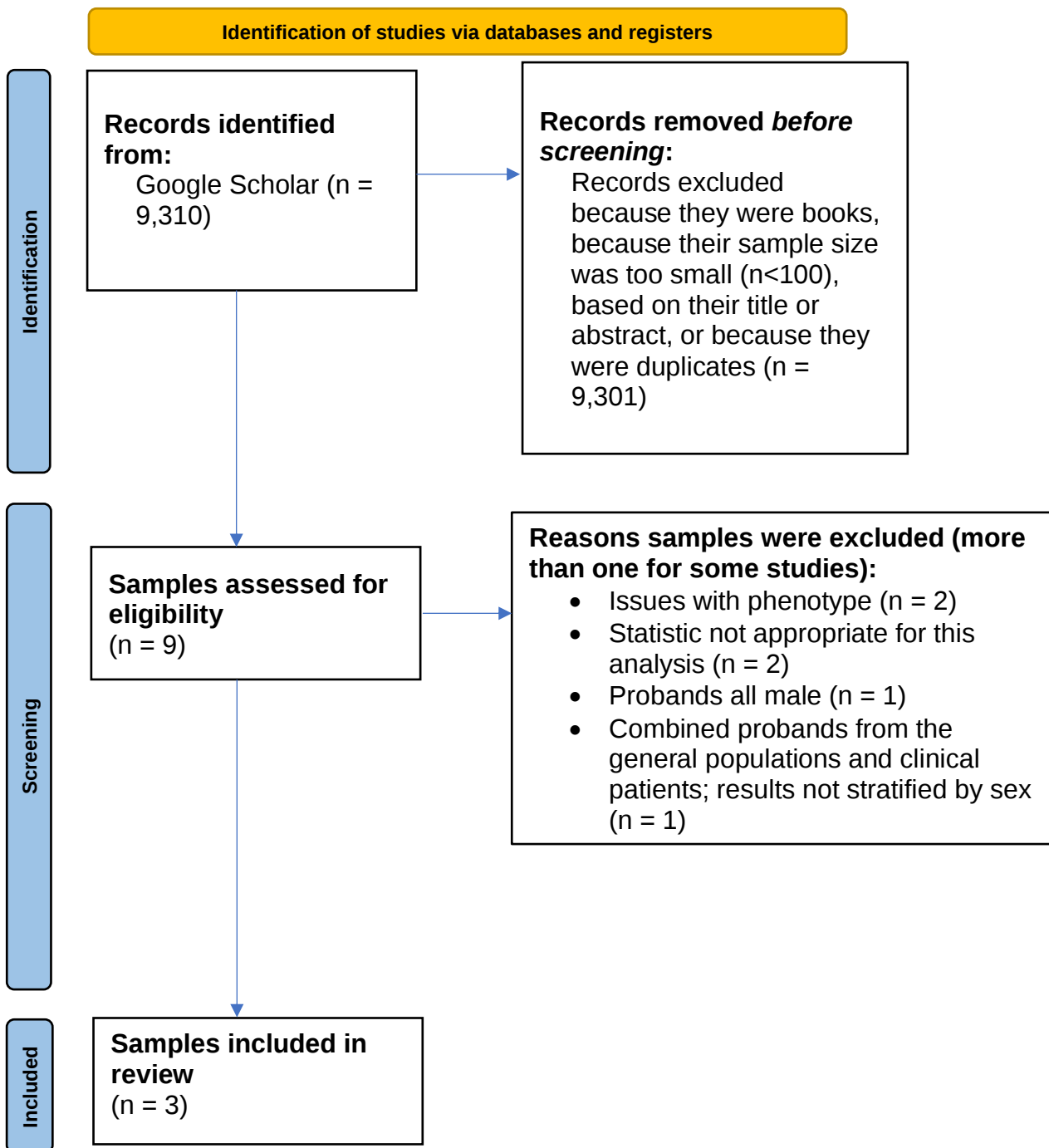
Smoking quantity



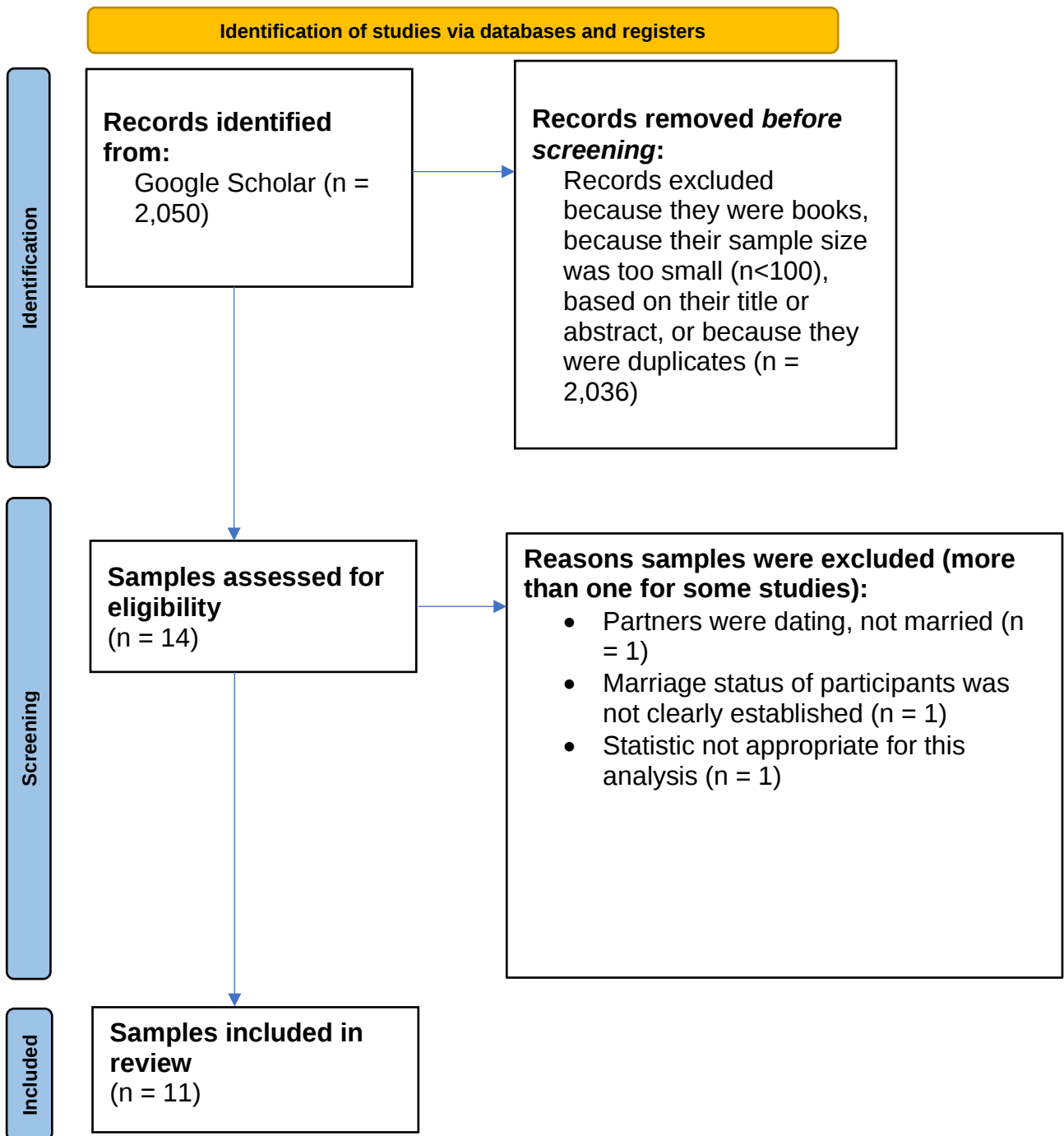
Smoking status



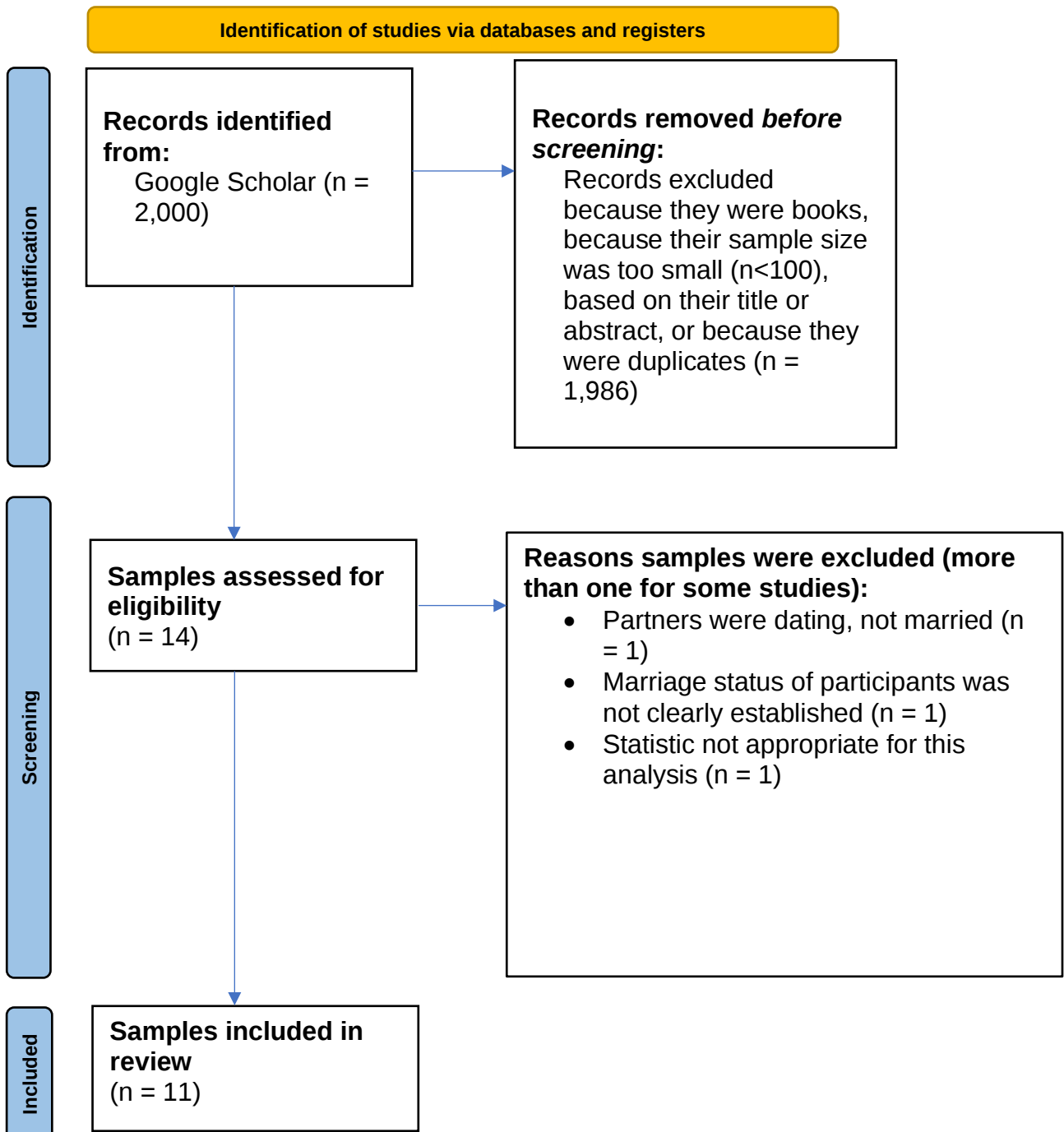
Substance use disorder



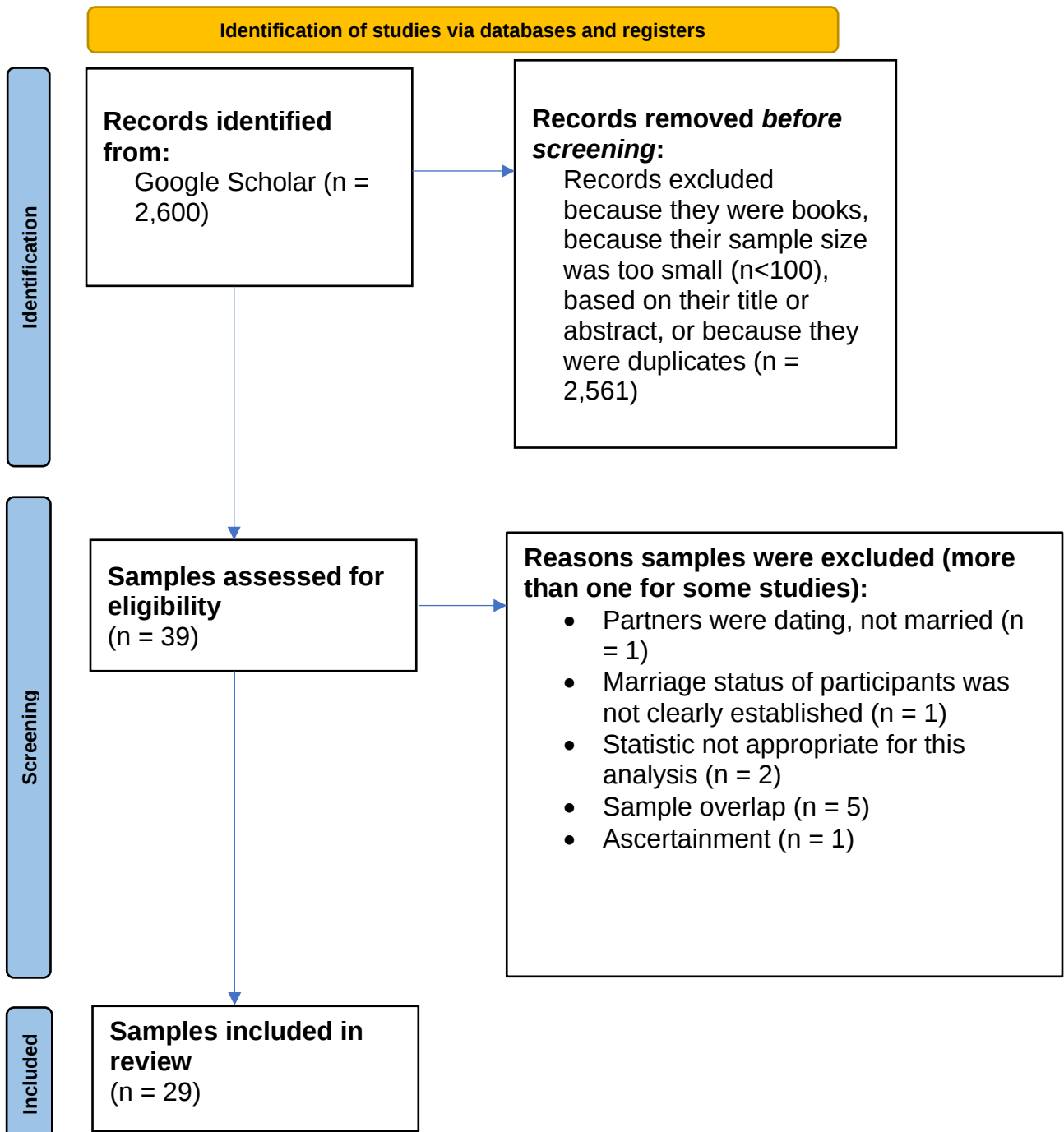
Agreeableness



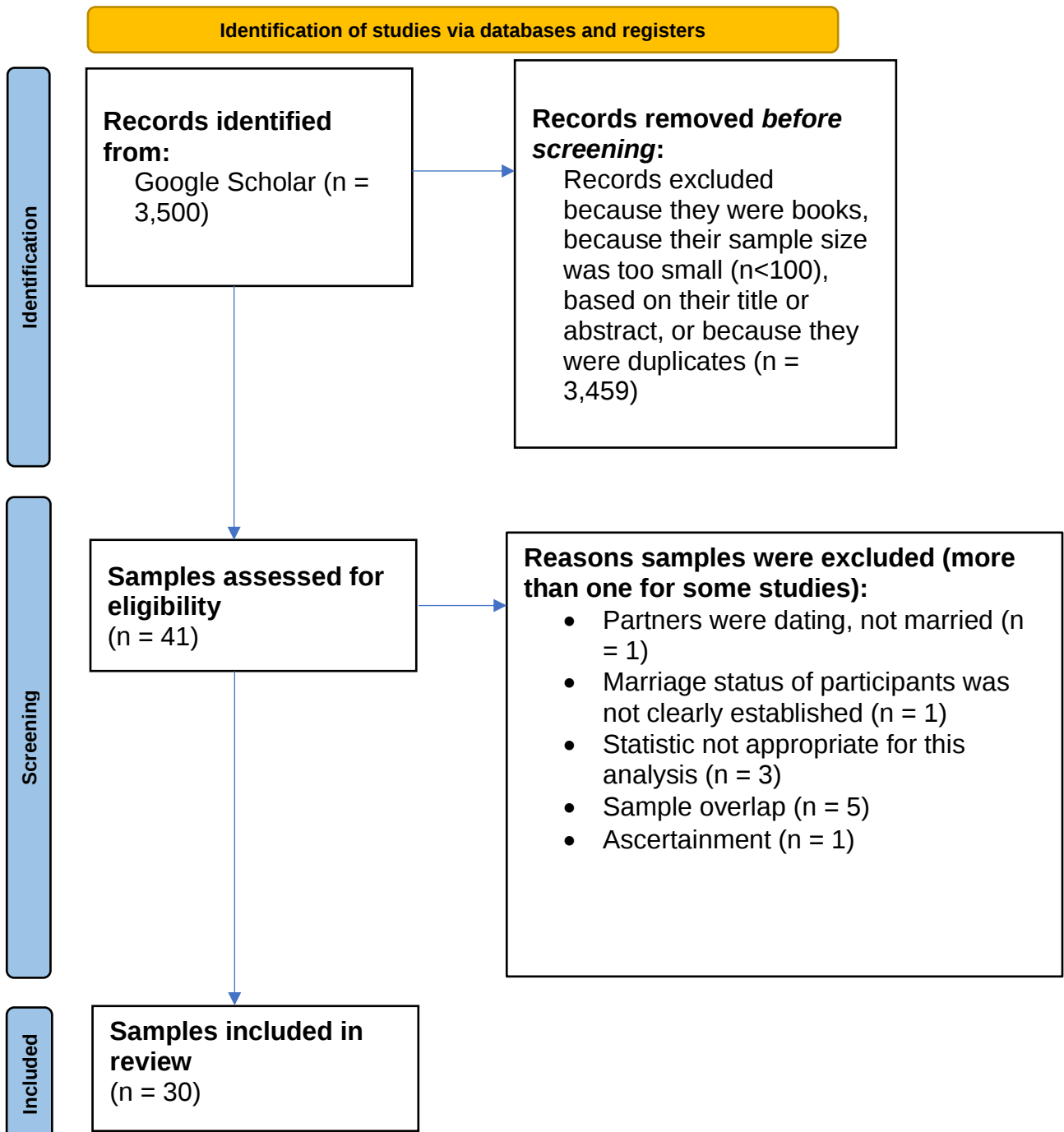
Conscientiousness



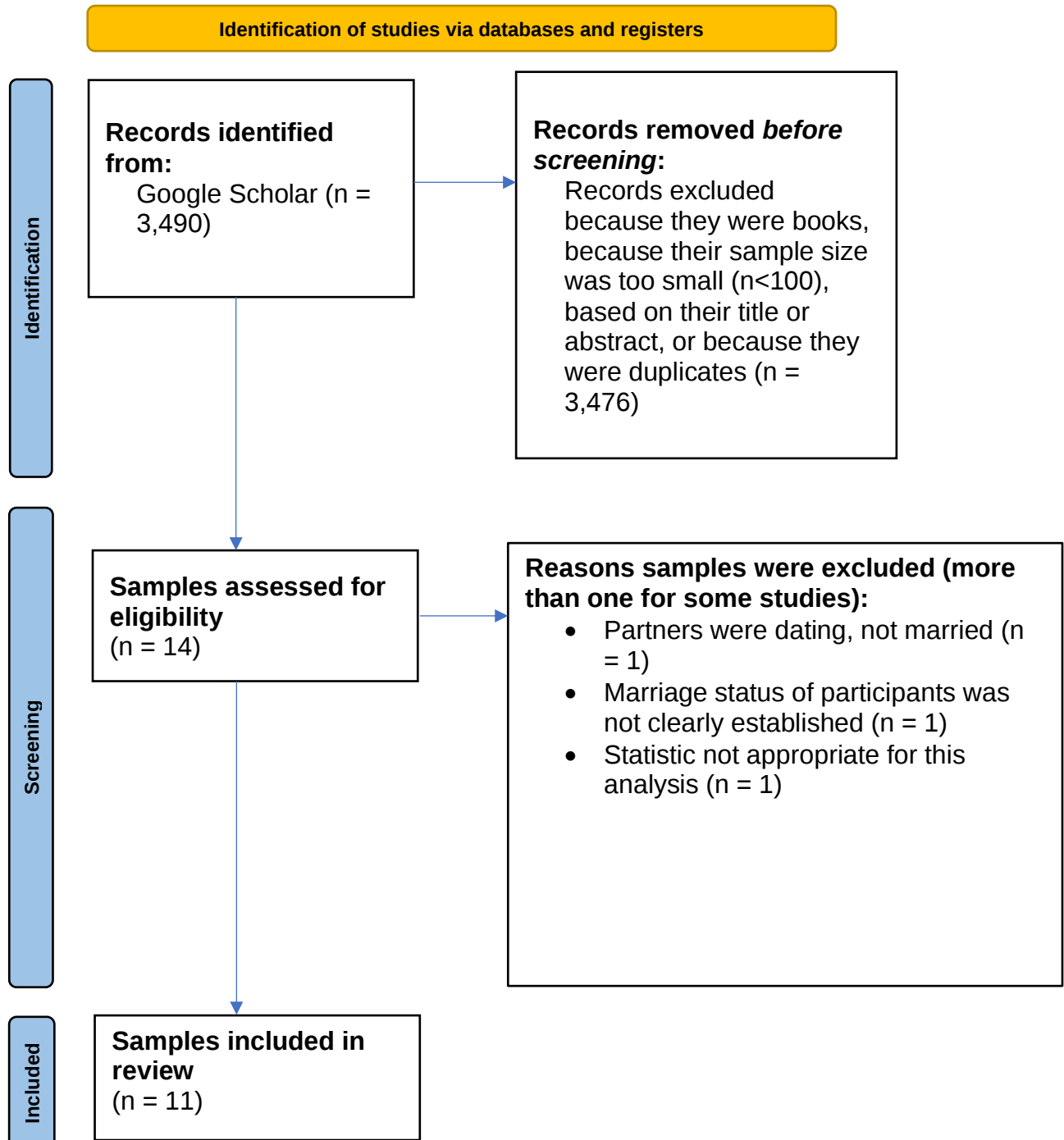
Extraversion



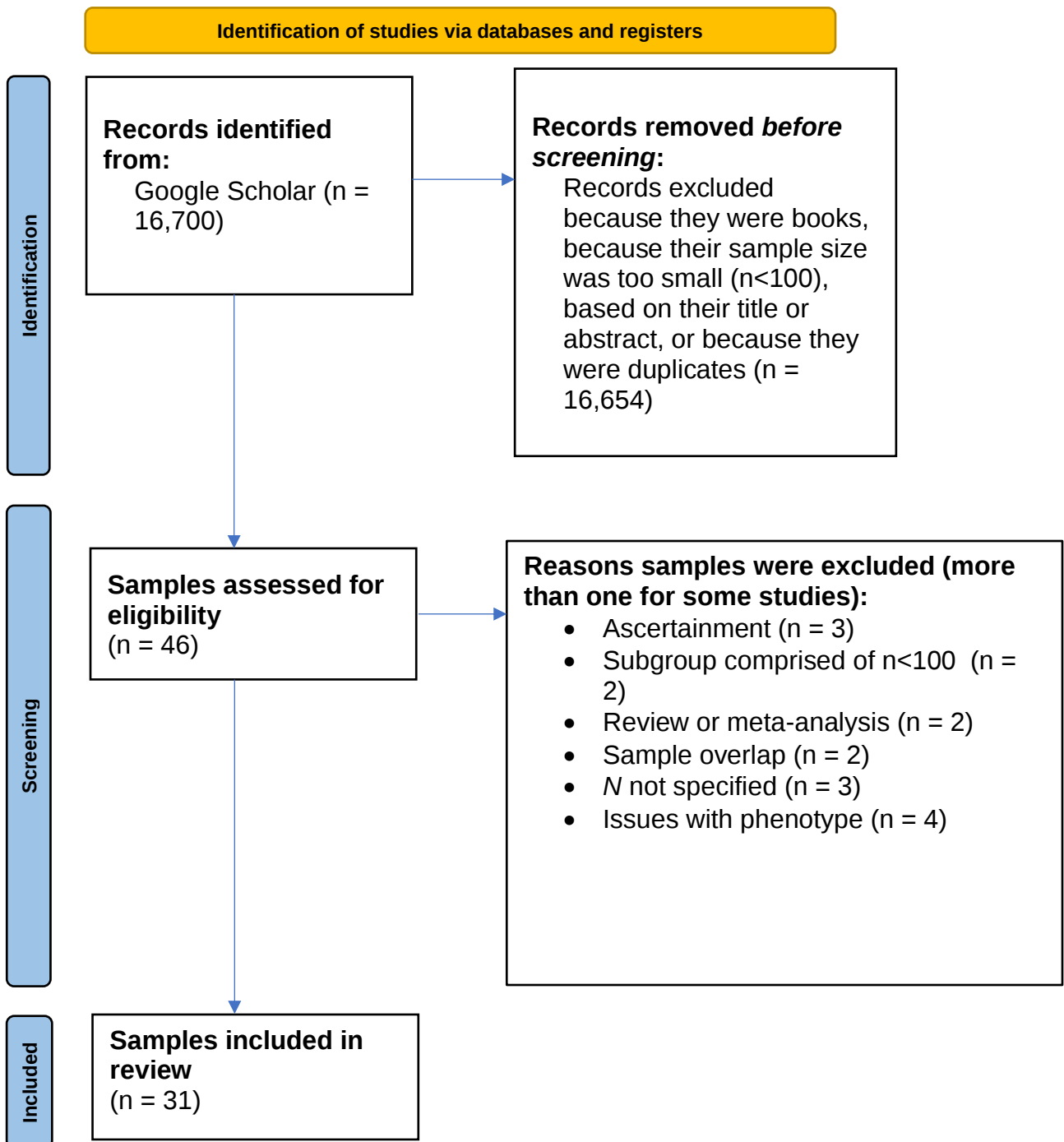
Neuroticism



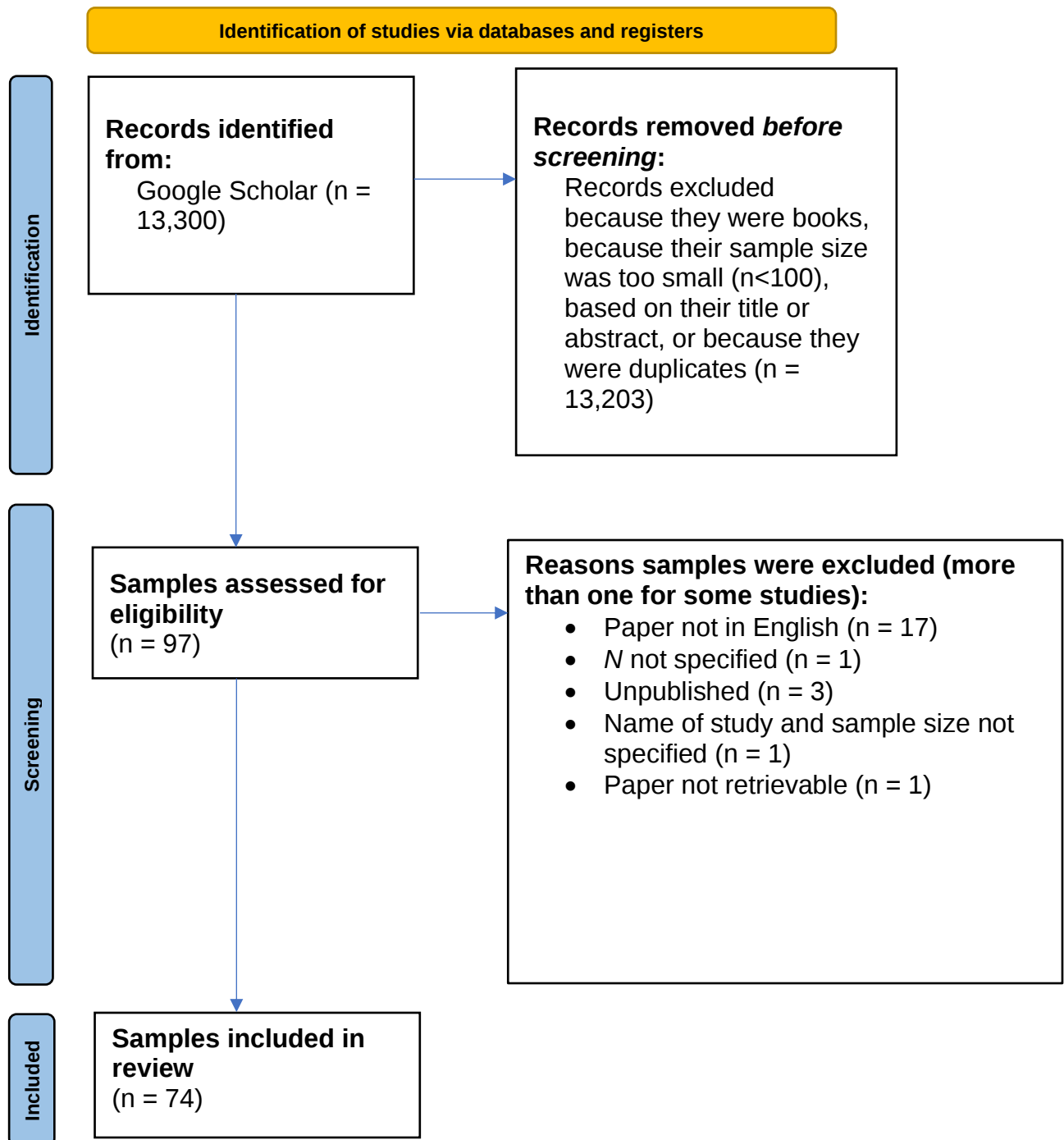
Openness



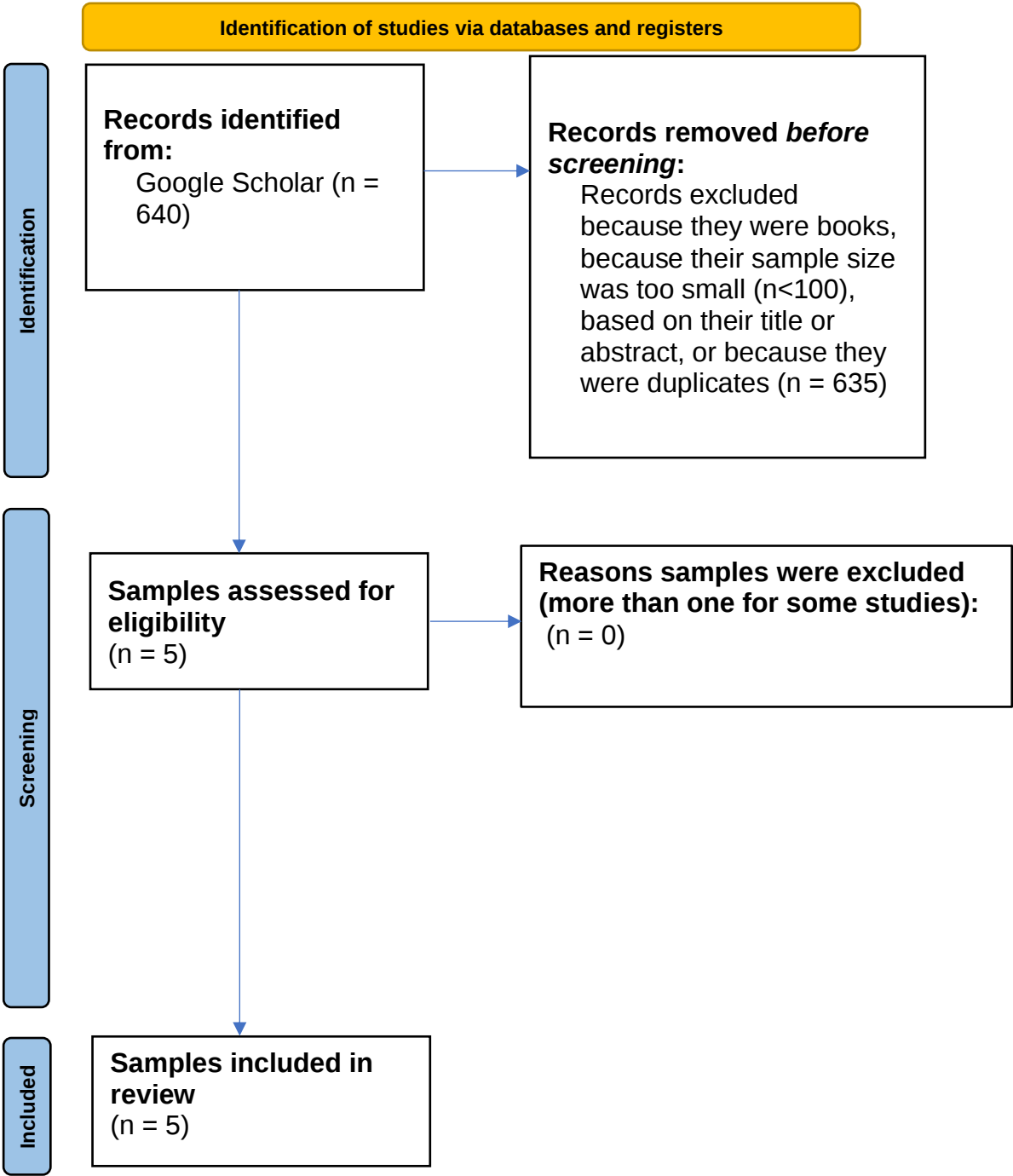
Body mass index



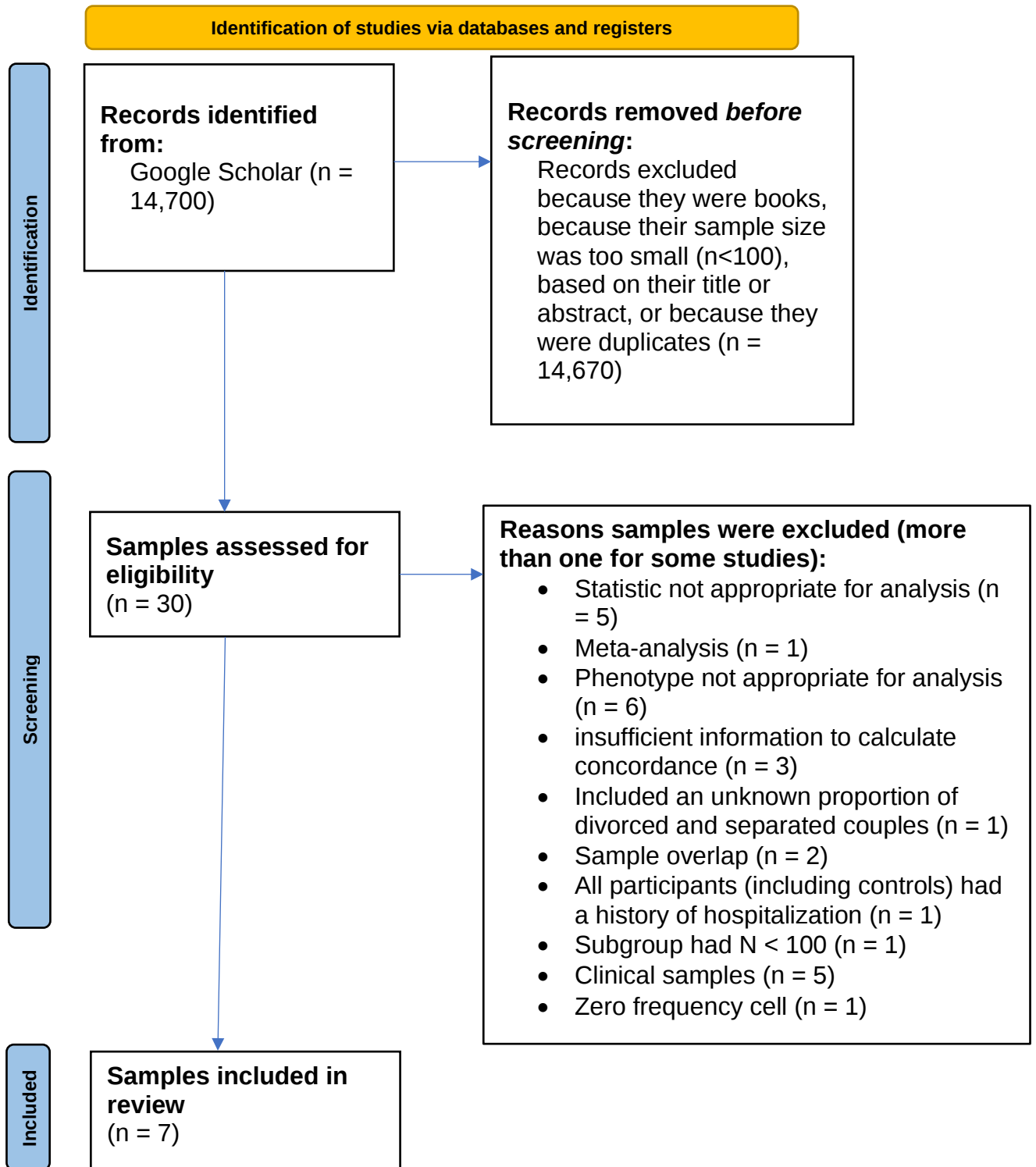
Height



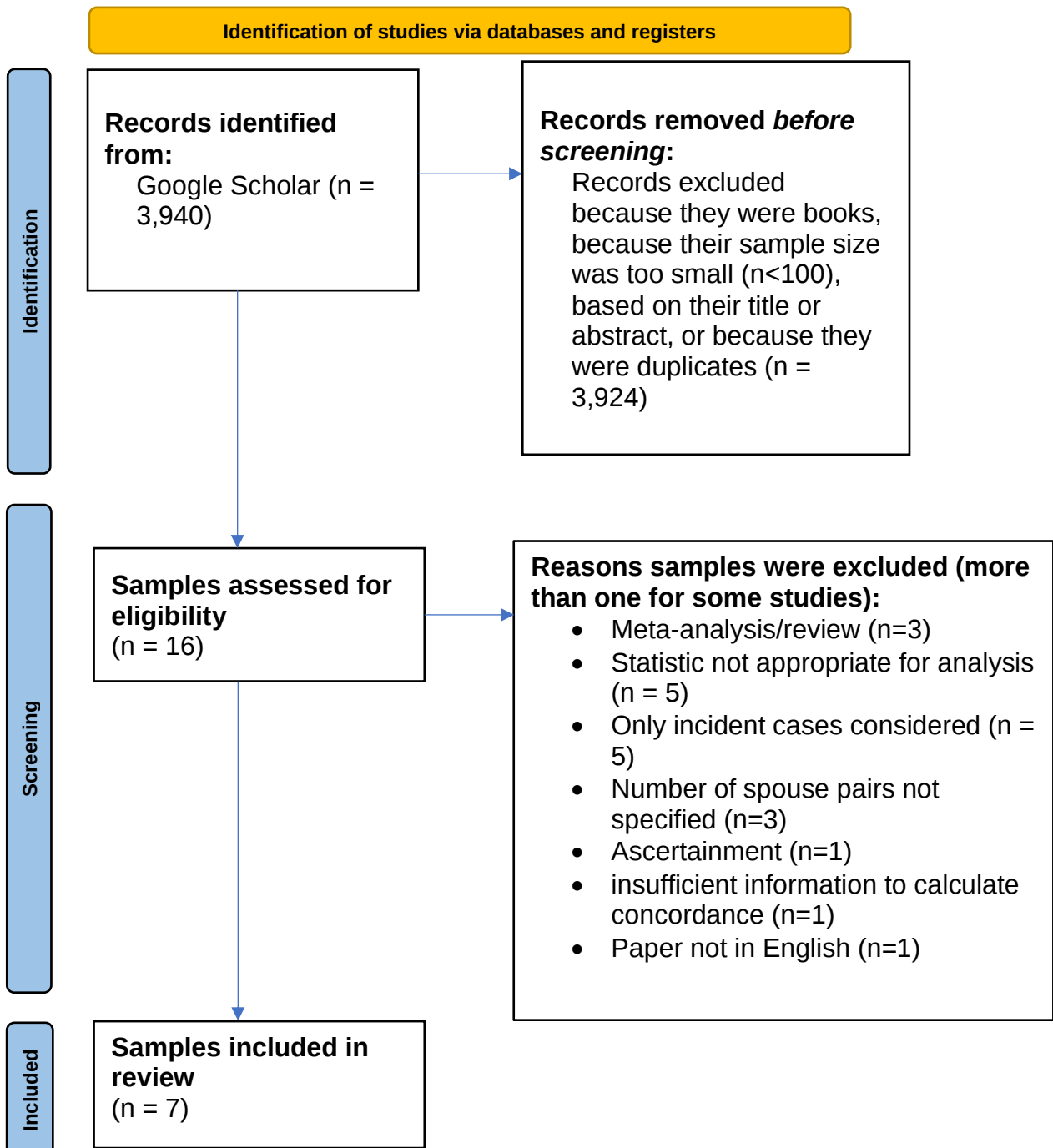
Waist-to-hip ratio



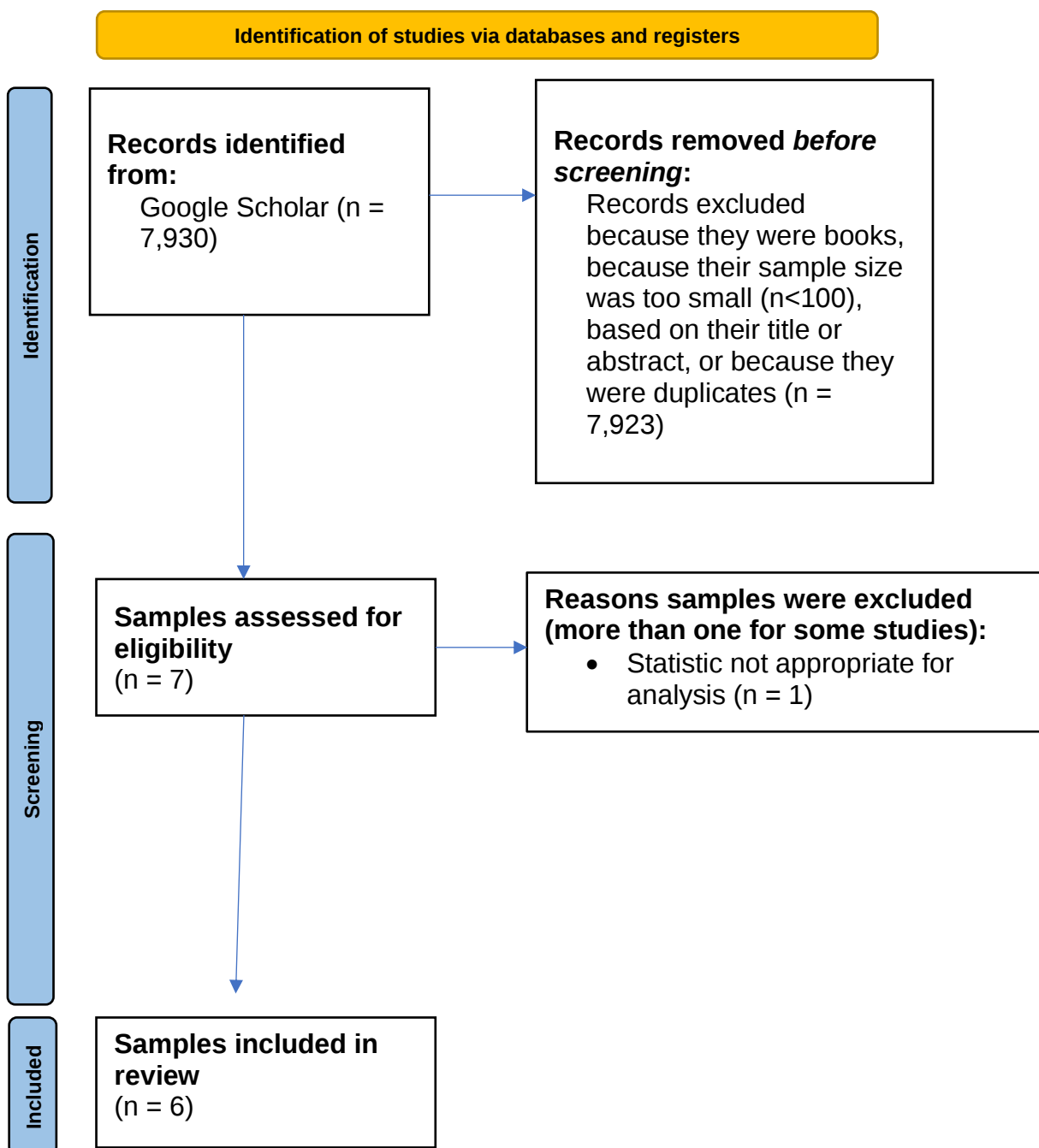
Depression



Diabetes



Generalized anxiety disorder



From: Page MJ, McKenzie JE, Bossuyt PM, Boutron I, Hoffmann TC, Mulrow CD, et al. The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. BMJ 2021;372:n71. doi: 10.1136/bmj.n71

For more information, visit: <http://www.prisma-statement.org/>

Supplementary Figure 5. Flow diagrams depicting the number of study results for each phenotype and the number of samples that were excluded for various reasons.

For forest plots that contain numbers instead of author names, the following authors refer to the corresponding number for each respective phenotype; asterisks listed next to the studies' authors indicate that the sample was predominantly made-up of a racial group that is not the majority demographic in the region from which it was sampled):

Educational attainment:

- 1 Watkins, M. P. & Meredith, W. (1981)
- 2 Cronkite, R. C. & Moos, R. H. (1984)
- 3-7 Heath, A. C. *et al.* (1985)
- 8,9 Jacobs, J. A. & Furstenberg Jr, F. F. (1986)
- 10,11 Procidano, M. E. & Rogler, L. H.* (1989)
- 12 Lykken, D. T. & Tellegen, A. (1993)
- 13 Feng, D. & Baker, L. (1994)
- 14 Botwin, M. D., Buss, D. M. & Shackelford, T. K. (1997)
- 15 Dufouil, C. & Alperovitch, A. (2000)
- 16 Hur, Y.-M. (2003)
- 17 Luo, S. & Klohn, E. C. (2005)
- 18 Peek, M. K., Stimpson, J. P., Townsend, A. L. & Markides, K. S.* (2006)
- 19,20 Chen, H., Luo, S., Yue, G., Xu, D. & Zhaoyang, R. (2009)
- 21,22 Alford, J. R., Hatemi, P. K., Hibbing, J. R., Martin, N. G. & Eaves, L. J. (2011)
- 23 Zietsch, B. P., Verweij, K. J., Heath, A. C. & Martin, N. G. (2011)
- 24 Verbakel, E. & Kalmijn, M. (2014)
- 25 George, D. *et al.* (2015)
- 26 Torvik, F. A., Gustavson, K., Røysamb, E. & Tambs, K. (2015)
- 27 Retnakaran, R. *et al.* (2021)

Intelligence quotient (IQ):

- 1 Cattell, R. B. & Willson, J. L. (1938)
- 2 Zonderman, A. B., Vandenberg, S. G., Spuhler, K. P. & Fain, P. R. (1977)
- 3 Phillips, K., Fulker, D. W., Carey, G. & Nagoshi, C. T. (1988)
- 4 Phillips, K., Fulker, D. W., Carey, G. & Nagoshi, C. T. (1988)*
- 5 Phillips, K., Fulker, D. W., Carey, G. & Nagoshi, C. T. (1988)
- 6,7 Mascie-Taylor, C. G. N. (1989)
- 8,9 Tambs, K., Sundet, J. M. & Berg, K. (1993)
- 10 Watson, D. *et al.* (2004)

Smoking cessation:

- 1 Vinters, M. H., Jacobs Jr, D. R., Luepker, R. V., Maimaw, L. A. & Gillum, R. F. (1984)
- 2 Pyke, S. D., Wood, D.A., Kinmonth, A.L. & Thompson, S.G. (1997)
- 3 Jurj, A. L. *et al.* (2006)
- 4 Cobb, L. K. *et al.* (2014)

Smoking initiation:

- 1,2 Price, R. A. & Vandenberg, S. G. (1980)
- 3 Vinters, M. H., Jacobs Jr, D. R., Luepker, R. V., Maimaw, L. A. & Gillum, R. F. (1984)

- 1169 4 Boomsma, D. I., Koopmans, J. R., Van Doornen, L. J. & Orlebeke, J. F. (1994)
 1170 5 Pyke, S. D., Wood, D.A., Kinmonth, A.L. & Thompson, S.G. (1997)
 1171 6 Dufouil, C. & Alperovitch, A. (2000)
 1172 7 Stimpson, J. P., Masel, M. C., Rudkin, L. & Peek, M. K.* (2006)
 1173 8 Jurj, A. L. *et al.* (2006)
 1174 9 Di Castelnuovo, A. *et al.* (2007)
 1175 10 Cobb, L. K. *et al.* (2014)
 1176 11,12 Maes, H. H. *et al.* (2018)
 1177
 1178 Smoking status:
 1179 1,2 Price, R. A. & Vandenberg, S. G. (1980)
 1180 3,4 Sutton, G. C. (1980)
 1181 5 Venters, M. H., Jacobs Jr, D. R., Luepker, R. V., Maimaw, L. A. & Gillum, R. F. (1984)
 1182 6 Boomsma, D. I., Koopmans, J. R., Van Doornen, L. J. & Orlebeke, J. F. (1994)
 1183 7 Pyke, S. D., Wood, D.A., Kinmonth, A.L. & Thompson, S.G. (1997)
 1184 8 Homish, G. G. & Leonard, K. E. (2005)
 1185 9 Stimpson, J. P., Masel, M. C., Rudkin, L. & Peek, M. K.* (2006)
 1186 10 Jurj, A. L. *et al.* (2006)
 1187 11 Pai, C.-W., Godboldo-Brooks, A. & Edington, D. W. (2010)
 1188 12 Ask, H., Rognmo, K., Torvik, F. A., Røysamb, E. & Tambs, K. (2012)
 1189 13 Jackson, S. E., Steptoe, A. & Wardle, J. (2015)
 1190 14 Machado, M. P. A. *et al.* (2017)
 1191 15 Jeong, S. & Cho, S.-I. (2018)
 1192
 1193 Body mass index:
 1194 1 Pennock-Román, M. (1984)
 1195 2,3 Longini Jr, I. M., Higgins, M. W., Hinton, P. C., Moll, P. P. & Keller, J. B. (1984)
 1196 4 Staessen, J. *et al.* (1985)
 1197 5 Bouchard, C., Perusse, L., Leblanc, C., Tremblay, A. & Theriault, G. (1988)
 1198 6 Friedlander, Y., Kark, J. D., Kaufmann, N. A., Berry, E. M. & Stein, Y. (1988)
 1199 7-9 Friedlander, Y., Kark, J. D., Kaufmann, N. A., Berry, E. M. & Stein, Y.* (1988)
 1200 10 Tambs, K. *et al.* (1991)
 1201 11 Moll, P. P., Burns, T. L. & Lauer, R. M. (1991)
 1202 12 Sanchez-Andres, A. & Mesa, M. (1994)
 1203 13 Rotimi, C. & Cooper, R. (1995)
 1204 14 Knuiman, M. W., Divitini, M. L., Bartholomew, H. C. & Welborn, T. A. (1996)
 1205 15 Pyke, S. D. (1997)
 1206 16 Dufouil, C. & Alperovitch, A. (2000)
 1207 17 Katzmarzyk, P. T., Hebebrand, J. & Bouchard, C. (2002)
 1208 18 Jee, S. H., Suh, I., Won, S. Y. & Kim, M. Y. (2002)
 1209 19 Hur, Y.-M. (2003)
 1210 20 Wu, D.-M. *et al.* (2003)
 1211 21 Kim, H. C. *et al.* (2006)
 1212 22 Stimpson, J. P., Masel, M. C., Rudkin, L. & Peek, M. K.* (2006)
 1213 23 Di Castelnuovo, A. *et al.* (2007)
 1214 24 Zietsch, B. P., Verweij, K. J., Heath, A. C. & Martin, N. G. (2011)

- 1215 25 George, D. *et al.* (2015)
- 1216 26,27 Sebro, R., Peloso, G. M., Dupuis, J. & Risch, N. J. (2017)
- 1217 28 Davillas, A. & Pudney, S. (2017)
- 1218 29 Holway, G. V., Umberson, D. & Donnelly, R. (2018)
- 1219 30 Rawlik, K., Canela-Xandri, O. & Tenesa, A. (2019)
- 1220 31 Retnakaran, R. *et al.* (2021)
- 1221
- 1222 Height:
- 1223 1 Pearson, K. & Lee, A. (1903)
- 1224 2 Davenport, C.B. (1917)
- 1225 3-6 Willoughby, R.R. (1933)
- 1226 7 Pomerat, C.M. (1936)
- 1227 8 Burgess, E.W. & Wallin, P. (1944)
- 1228 9 Smith, M. (1946)
- 1229 10 Harrison, G. A., Gibson, J. B. & Hiorns, R. W. (1976)
- 1230 11 Hill, C. T., Rubin, Z. & Peplau, L. A. (1976)
- 1231 12 Mueller, W. H. & Malina, R. M. (1976)
- 1232 13 Mueller, W. H. & Malina, R. M.* (1976)
- 1233 14 Susanne, C. (1977)
- 1234 15 Roberts, D. F., Billewicz, W. Z. & McGregor, I. (1978)
- 1235 16,17 Garn, S. M., Cole, P. E. & Bailey, S. M. (1979)
- 1236 18 Nance, W. E., Corey, L. A. & Eaves, L. J. (1980)
- 1237 19,20 Price, R. A. & Vandenberg, S. G. (1980)
- 1238 21,22 Pieper, U. (1981)
- 1239 23 Annett, J. L., Sing, C. F., Biron, P. & Mongeau, J. G. (1983)
- 1240 24 McManus, I. C. & Mascie-Taylor, C. G. (1984)
- 1241 25 Pennock-Román, M. (1984)
- 1242 26,27 Siniarska, A. (1984)
- 1243 28 Ahmad, M. & Gilbert, R. I. (1985)
- 1244 29 Byard, P. J., Poosha, D. V. R. & Satyanarayana, M. (1985)
- 1245 30 Province, M. A. & Rao, D. C. (1985)
- 1246 31 Staessen, J. *et al.* (1985)
- 1247 32 Mascie-Taylor, C. N. (1987)
- 1248 33 Nagoshi, C. T. & Johnson, R. C.* (1987)
- 1249 34 Nagoshi, C. T. & Johnson, R. C. (1987)
- 1250 35 Byard, P. J., Mukherjee, B. N., Bhattacharya, S. K., Russell, J. M. & Rao, D. C. (1989)
- 1251 36 Tambs, K. *et al.* (1992)
- 1252 37 Sutton, G. C. (1993)
- 1253
- 1254 Height (continued):
- 1255 1 Sanchez-Andres, A. & Mesa, M. S. (1994)
- 1256 2 Dasgupta, I., Dasgupta, P. & Daschaudhuri, A. B. (1997)
- 1257 3-5 Ginsburg, E., Livshits, G., Yakovenko, K. & Kobylansky, E. (1998)
- 1258 6 Luo, Z. C., Albertsson-Wikland, K. & Karlberg, J. (1998)
- 1259 7 To, W. W. K., Cheung, W. & Kwok, J. S. Y. (1998)
- 1260 8 Price *et al.* (2000)

1261 9, 10 Price *et al.** (2000)
 1262 11 Price *et al.* (2000)
 1263 12 Dalmia, S. & Lawrence, P. G. (2001)
 1264 13 Al-Kandari, Y., Crews, D. E. & Poirier, F. E. (2002)
 1265 14 Eckman, R. E., Williams, R. & Nagoshi, C.* (2002)
 1266 15 Eckman, R. E., Williams, R. & Nagoshi, C. (2002)
 1267 16 Xu, J. *et al.* (2002)
 1268 17 Hur, Y.-M. (2003)
 1269 18 Mukhopadhyay, N. (2003)
 1270 19 Raychaudhuri, A., Ghosh, R., Vasulu, T. S. & Bharati, P. (2003)
 1271 20 Silventoinen, K., Kaprio, J., Lahelma, E., Viken, R. J. & Rose, R. J. (2003)
 1272 21 Salces, I., Rebato, E. & Susanne, C. (2004)
 1273 22 Heude, B. *et al.* (2005)
 1274 23 Knuiman, M. W., Divitini, M. L. & Bartholomew, H. C. (2005)
 1275 24 Ellis, J. A. *et al.* (2007)
 1276 25 Godoy, R. *et al.* (2008)
 1277 26 Sear, R. & Marlowe, F. W. (2009)
 1278 27 Ajala, O. *et al.* (2011)
 1279 28 Zietsch, B. P., Verweij, K. J., Heath, A. C. & Martin, N. G. (2011)
 1280 29 Seki, M., Ihara, Y. & Aoki, K. (2012)
 1281 30 Keller, M. C. *et al.* (2013)
 1282 31 Stulp, G., Buunk, A. P. & Pollet, T. V. (2013)
 1283 32 Stulp, G., Buunk, A. P., Pollet, T. V., Nettle, D. & Verhulst, S. (2013)
 1284 33 Uchida, K., Matsuo, N., Hori, N., Hasegawa, T. & Takahashi, T. (2013)
 1285 34 Stulp, G., Mills, M., Pollet, T. V. & Barrett, L. (2014)
 1286 35 Ponzo, M. & Scoppa, V. (2015)
 1287 36 Prichard, I. *et al.* (2015)
 1288 37 Tenesa, A., Rawlik, K., Navarro, P. & Canela-Xandri, O. (2015)
 1289
 1290 Depression:
 1291 1 McLeod, J. D. (1995)
 1292 2 Galbaud Du Fort, G., Bland, R. C., Newman, S. C. & Boothroyd, L. J. (1998)
 1293 3,4 Maes, H. H. *et al.* (1998)
 1294 5 Hippisley-Cox, J. (2002)
 1295 6,7 Nordsletten, A. E. *et al.* (2016)
 1296
 1297 Diabetes:
 1298 1 Hippisley-Cox, J. (2002)
 1299 2 Stimpson, J. P. & Peek, M. K.* (2005)
 1300 3 Jurj, A. L. *et al.* (2006)
 1301 4 Al-Sharbatti, S. S., Abed, Y. I., Al-Heety, L. M. & Basha, S. A. (2016)
 1302 5 Sun, J. *et al.* (2016)
 1303 6 Patel, S. A. *et al.* (2017)
 1304 7 Watanabe, T., Sugiyama, T., Takahashi, H., Noguchi, H. & Tamiya, N. (2020)
 1305
 1306

1307 **Supplementary Note**

1308 *The following lists the phenotypes we meta-analyzed and citations corresponding to each study*
1309 *that was meta-analyzed for that phenotype, followed by descriptions of the more specific*
1310 *construct(s) that we measured for that phenotype. For the measure(s) that each study used for*
1311 *less standardized phenotypes, see Supplementary Tables S1 and S2:*

1312

1313 **Educational attainment**^{1–19}: Defined on an ordinal scale (e.g. range of years/schooling level
1314 completed), or by number of years of schooling. All ordinal measures of educational attainment
1315 with fewer than four points were excluded.

1316 **Intelligence quotient**^{20–25}: Any measure of general IQ.

1317 **Political attitudes**^{17,18,20,26–30}: We considered continuous measures of attitudes toward political
1318 issues instead of specific party affiliation/support.

1319 **Religiosity**^{18,20,26,30,31}: We considered continuous measures of religious ideals/practices, rather
1320 than specific religious affiliation or a single measure of religiosity (e.g. only reports of church
1321 attendance).

1322 **Alcohol use disorder**^{32–34}: This was measured as a dichotomous trait (described as alcohol
1323 abuse, alcohol dependence, or alcoholism).

1324 **Drinking quantity**^{1,2,35–38}: Amount of alcohol (e.g. milliliters, grams, ounces, or kilocalories)
1325 consumed per day or week.

1326 **Smoking cessation**^{39–42}: This was a dichotomous measure of whether subjects were former or
1327 current smokers among couples in which both spouses had a history of smoking. Because the
1328 phenotype was only examined in couples in which both partners had ever smoked, whenever
1329 “never smoked” was included as an option for participants, this cell was excluded from the

1330 contingency table such that for this measure, the odds ratio reflected the odds of a spouse being a
1331 former smoker if their spouse was a former smoker divided by the odds of a spouse being a
1332 former smoker if their spouse was a current smoker.

1333 **Smoking initiation**^{1,35,38–45}: This was a dichotomous measure of whether participants had ever
1334 smoked tobacco. When options for participants included “former,” “current,” and “never,” cells
1335 from those who responded “former” and “current” were combined in the contingency table such
1336 that for this measure, the odds ratio reflected the odds of a spouse having ever smoked (formerly
1337 *or* currently) if their spouse ever smoked (formerly *or* currently) divided by the odds of a spouse
1338 having ever smoked if their spouse never smoked.

1339 **Smoking quantity**^{11,46–48}: Number of cigarettes (or equivalent in tobacco) consumed per day
1340 (not restricted to those with smoking histories).

1341 **Smoking status**^{38–41,43,45,48–54}: This was a dichotomous measure of whether participants currently
1342 smoked tobacco. When options for participants included “former,” “current,” and “never,” cells
1343 from those who responded “former” and “never” were combined in the contingency table such
1344 that for this measure, the odds ratio reflected the odds of a spouse being a current smoker if their
1345 spouse was a current smoker divided by the odds of a spouse being a current smoker if their
1346 spouse did not currently smoke (never smoked *or* formerly smoked).

1347 **Substance use disorder**^{55,56}: This was measured as a dichotomous trait (described as substance
1348 dependence or substance abuse).

1349 **Agreeableness**^{13,20,57–60}: A “Big Five” personality trait characterized by an individual’s level of
1350 kindness, sympathy, cooperativeness, warmth, politeness, etc.⁶¹. Scores for this trait were
1351 typically based on the degree to which participants agreed with statements pertaining to
1352 agreeableness or where they identified themselves on a set of spectra of bipolar adjectives

pertaining to agreeableness. Ratings were typically given on a 5-point or 7-point scale (see Supplementary Table S1 for the measure used in each study).

Conscientiousness^{13,20,57–60}: A “Big Five” personality trait characterized by an individual’s level of efficiency, organization, carefulness, tidiness, practicality, efficiency, organization, etc.⁶¹. Scores for this trait were typically based on the degree to which participants agreed with statements pertaining to conscientiousness or where they identified themselves on a set of spectra of bipolar adjectives pertaining to conscientiousness. Ratings were typically given on a 5-point or 7-point scale (see Supplementary Table S1 for the measure used in each study).

Extraversion^{13,17,18,20–22,26,31,38,47,57–60,62–68}: A “Big Five” personality trait characterized by an individual’s level of energy, talkativeness, outgoingness, etc.⁶¹. Scores for this trait were typically based on the degree to which participants agreed with statements pertaining to extraversion or where they identified themselves on a set of spectra of bipolar adjectives pertaining to extraversion. Ratings were typically given on a 5-point or 7-point scale (see Supplementary Table S1 for the measure used in each study).

Neuroticism^{11,13,17,18,20,22,31,38,47,57–60,62,64–70} (otherwise characterized by its diametric opposite, emotional stability⁷¹): A “Big Five” personality trait characterized by an individual’s level of enviousness, jealousy, security, anxiety, moodiness, emotionality, etc.⁶¹. Scores for this trait were typically based on the degree to which participants agreed with statements pertaining to neuroticism or where they identified themselves on a set of spectra of bipolar adjectives pertaining to neuroticism. Ratings were typically given on a 5-point or 7-point scale (see Supplementary Table S1 for the measure used in each study).

Openness^{13,20,57–59,70} (otherwise characterized as Intellect or Openness): A “Big Five” personality trait characterized by an individual’s level of creativeness, intelligence, imagination,

etc.⁶¹. Scores for this trait were typically based on the degree to which participants agreed with statements pertaining to openness or where they identified themselves on a set of spectra of bipolar adjectives pertaining to openness. Ratings were typically given on a 5-point or 7-point scale (see Supplementary Table S1 for the measure used in each study).

Body mass index^{1,4,6,17,19,35,39,43,72–89}: Kilograms/meters² or any proportionally equivalent measure of weight-to-body mass.

Height^{4,17,36,38,77,78,90–142}: We re-analyzed 74 of the samples from a single meta-analysis¹⁴³ using random effects (see main text).

Waist-to-hip ratio^{35,73,75,76,80}.

Depression^{32,33,55,144,145}: This was measured as a dichotomous trait.

Diabetes^{40,144,146–150}: This was measured as a dichotomous trait. We only included studies that examined prevalent diabetes, excluding studies that only measured incident diabetes and therefore excluded prevalent cases at baseline. One study¹⁴⁸ reported concordance for type 2 diabetes, but we included it because 90-95% of people with diabetes have type 2¹⁵¹.

Generalized anxiety disorder^{32,33,55,145}: This was measured as a dichotomous trait.

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