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Revisiting the incidence of schizophrenia: learning about the other half

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References

- Addington, J., Cadenhead, K. S., Cannon, T. D., Cornblatt, B., McGlashan, T. H., Perkins, D. O., Seidman, L. J., Tsuang, M., Walker, E. F., Woods, S. W., & Heinssen, R. (2007). North American Prodrome Longitudinal Study: A collaborative multisite approach to prodromal schizophrenia research. *Schizophrenia Bulletin*, 33(3), 665–672. <https://doi.org/10.1093/schbul/sbl075>
- Addington, J., Mastrigt, S. van, Hutchinson, J., & Addington, D. (2002). Pathways to care: Help seeking behaviour in first episode psychosis. *Acta Psychiatrica Scandinavica*, 106(5), 358–364. <https://doi.org/10.1034/j.1600-0447.2002.02004.x>
- Adeponle, A. B., Thombs, B. D., Groleau, D., Jarvis, E., & Kirmayer, L. J. (2012). Using the Cultural Formulation to resolve uncertainty in diagnoses of psychosis among ethnoculturally diverse patients. *Psychiatric Services*, 63(2), 147–153. <https://doi.org/10.1176/appi.ps.201100280>
- Aleman, A., Kahn, R. S., & Selten, J.-P. (2003). Sex differences in the risk of schizophrenia. *Archives of General Psychiatry*, 60(6), 565. <https://doi.org/10.1001/archpsyc.60.6.565>
- Allison, P. D. (1985). Survival analysis of backward recurrence times. *Journal of the American Statistical Association*, 80(390), 315–322. <https://doi.org/10.1080/01621459.1985.10478114>
- American Psychiatric Association. (1980). Diagnostic and Statistical Manual of Mental Disorders, third edition. In *American Psychiatric Association*.
- American Psychiatric Association. (1987). *Diagnostic and Statistical Manual of Mental Health Disorders (DSM-III-R)*. American Psychiatric Association.
- American Psychiatric Association. (1994). Diagnostic and Statistical Manual of Mental Health Disorders (DSM-IV). In *American Psychiatric Association*. American Psychiatric Association.
- American Psychiatric Association. (2013). *Diagnostic and Statistical Manual of Mental Health Disorders (DSM-5)*. American Psychiatric Association.
- Amminger, G. P., Harris, M. G., Conus, P., Lambert, M., Elkins, K. S., Yuen, H. P., & McGorry, P. D. (2006). Treated incidence of first-episode psychosis in the catchment area of EPPIC between 1997 and 2000. *Acta Psychiatrica Scandinavica*, 114(5), 337–345. <https://doi.org/10.1111/j.1600-0447.2006.00790.x>
- Anderson, K. K. (2012). Health service registry data in psychiatric epidemiology: Challenges for definition and interpretation. *Acta Psychiatrica Scandinavica*, 127(1), 9–10. <https://doi.org/10.1111/j.1600-0447.2012.01916.x>
- Anderson, K. K., Flora, N., Archie, S., Morgan, C., & McKenzie, K. (2014). A meta-analysis of ethnic differences in pathways to care at the first episode of psychosis. *Acta Psychiatrica Scandinavica*, 130(4), 257–268. <https://doi.org/10.1111/acps.12254>
- Anderson, K. K., Flora, N., Archie, S., Morgan, C., & McKenzie, K. (2013). Race, ethnicity, and the duration of untreated psychosis: A systematic review. *Social Psychiatry and Psychiatric Epidemiology*, 49(7), 1161–1174. <https://doi.org/10.1007/s00127-013-0786-8>
- Anderson, K. K., Fuhrer, R., & Malla, A. K. (2010). The pathways to mental health care of first-episode psychosis patients: A systematic review. *Psychological Medicine*, 40(10), 1585–1597. <https://doi.org/10.1017/s0033291710000371>
- Anderson, K. K., Fuhrer, R., Schmitz, N., & Malla, A. K. (2012). Determinants of negative pathways to care and their impact on service disengagement in first-episode psychosis. *Social Psychiatry and Psychiatric Epidemiology*, 48(1), 125–136. <https://doi.org/10.1007/s00127-012-0571-0>

- Anderson, K. K., Norman, R., MacDougall, A. G., Edwards, J., Palaniyappan, L., Lau, C., & Kurdyak, P. (2018). Estimating the incidence of first-episode psychosis using population-based health administrative data to inform Early Psychosis Intervention services. *Psychological Medicine*, 49(12), 2091–2099. <https://doi.org/10.1017/S0033291718002933>
- Andreasen, N. C. (1992). The Comprehensive Assessment of Symptoms and History (CASH). *Archives of General Psychiatry*, 49(8), 615. <https://doi.org/10.1001/archpsyc.1992.01820080023004>
- Andreasen, N. C. (1995). Symptoms, signs, and diagnosis of schizophrenia. *The Lancet*, 346(8973), 477–481. [https://doi.org/10.1016/S0140-6736\(95\)91325-4](https://doi.org/10.1016/S0140-6736(95)91325-4)
- Aragon, T. J., Fay, M. P., Wollschlaeger, D., & Omidpanah, A. (2017). *epitools: Epidemiology Tools*.
- Arseneault, L., Cannon, M., Witton, J., & Murray, R. M. (2004). Causal association between cannabis and psychosis: Examination of the evidence. *British Journal of Psychiatry*, 184(2), 110–117. <https://doi.org/10.1192/bjp.184.2.110>
- Ayuso-Mateos, J. L. (2002). *Global burden of schizophrenia in the year 2000 - version 1 estimates*. GBD 2000 Working Paper.
- Baan, C. A., Hutten, J. B. F., & Rijken, P. M. (2003). *Afstemming in de zorg. Een achtergrondstudie naar de zorg voor mensen met een chronische aandoening [coordination of care. A study into the care for people with a chronic condition]* (No. 282701005). RIVM.
- Balduzzi, S., Rücker, G., & Schwarzer, G. (2019). How to perform a meta-analysis with R: a practical tutorial. *Evidence Based Mental Health*, 22(4), 153–160. <https://doi.org/10.1136/ebmental-2019-300117>
- Bermejo, I., Frank, F., Maier, I., & Hölzel, L. (2012). Gesundheitsbezogenes Inanspruchnahmeverhalten von Personen mit Migrationshintergrund und einer psychischen Störung im Vergleich zu Deutschen. *Psychiatrische Praxis*, 39(02), 64–70. <https://doi.org/10.1055/s-0031-1292832>
- Bhavsar, V., Boydell, J., Murray, R., & Power, P. (2014). Identifying aspects of neighbourhood deprivation associated with increased incidence of schizophrenia. *Schizophrenia Research*, 156(1), 115–121. <https://doi.org/10.1016/j.schres.2014.03.014>
- Bijl, R. V., Zessen, G. van, Ravelli, A., Rijk, C. de, & Langendoen, Y. (1998). The Netherlands Mental Health Survey and Incidence Study (NEMESIS): Objectives and design. *Social Psychiatry and Psychiatric Epidemiology*, 33(12), 581–586. <https://doi.org/10.1007/s001270050097>
- Blom, J. (2004). *Deconstructing schizophrenia: An analysis of the epistemic and nonepistemic values that govern the biomedical schizophrenia concept*. Boom.
- Boonstra, N., Wunderink, L., Sytema, S., & Wiersma, D. (2008). Detection of psychosis by mental health care services: A naturalistic cohort study. *Clinical Practice and Epidemiology in Mental Health*, 4(1), 29. <https://doi.org/10.1186/1745-0179-4-29>
- Boonstra, N., Wunderink, L., Wit, P. H. M. de, Noorthoorn, E., & Wiersma, D. (2008). [De administratieve incidentie van niet-affectieve psychosen in Friesland en Twente]. *Tijdschrift Voor Psychiatrie*, 50, 637–643.
- Bota, R. G., Munro, J. S., & Sagduyu, K. (2005). Identification of the schizophrenia prodrome in a hospital-based patient population. *Missouri Medicine*, 102, 142–146.
- Bourque, F., Ven, E. van der, & Malla, A. (2010). A meta-analysis of the risk for psychotic disorders among first- and second-generation immigrants. *Psychological Medicine*, 41(5), 897–910. <https://doi.org/10.1017/S0033291710001406>

- Boyle, M. (1990). *Schizophrenia: A scientific delusion*. Routledge.
- Bray, I., Waraich, P., Jones, W., Slater, S., Goldner, E. M., & Somers, J. (2006). Increase in schizophrenia incidence rates: Findings in a Canadian cohort born 1975–1985. *Social Psychiatry and Psychiatric Epidemiology*, 41(8), 611–618. <https://doi.org/10.1007/s00127-006-0073-z>
- Bresnahan, M. A., Brown, A. S., Schaefer, C. A., Begg, M. D., Wyatt, R. J., & Susser, E. S. (2000). Incidence and cumulative risk of treated schizophrenia in the Prenatal Determinants of Schizophrenia study. *Schizophrenia Bulletin*, 26(2), 297–308. <https://doi.org/10.1093/oxford-journals.schbul.a033454>
- Bromet, E. J., Kotov, R., Fochtmann, L. J., Carlson, G. A., Tanenberg-Karant, M., Ruggero, C., & Chang, S. (2011). Diagnostic shifts during the decade following first admission for psychosis. *American Journal of Psychiatry*, 168(11), 1186–1194. <https://doi.org/10.1176/appi.ajp.2011.11010048>
- Brugha, T. S., Bebbington, P. E., Singleton, N., Melzer, D., Jenkins, R., Lewis, G., Farrell, M., Bhugra, D., Lee, A., & Meltzer, H. (2004). Trends in service use and treatment for mental disorders in adults throughout Great Britain. *British Journal of Psychiatry*, 185(5), 378–384. <https://doi.org/10.1192/bjp.185.5.378>
- Brunet, K., Birchwood, M., Lester, H., & Thornhill, K. (2007). Delays in mental health services and duration of untreated psychosis. *Psychiatric Bulletin*, 31(11), 408–410. <https://doi.org/10.1192/pb.bp.106.013995>
- Buckley, P. F., Miller, B. J., Lehrer, D. S., & Castle, D. J. (2008). Psychiatric comorbidities and schizophrenia. *Schizophrenia Bulletin*, 35(2), 383–402. <https://doi.org/10.1093/schbul/sbn135>
- Cadenhead, K. S., Addington, J., Cannon, T., Cornblatt, B., McGlashan, T., Perkins, D., Seidman, L., Tsuang, M., Walker, E., Woods, S., & Heinssen, R. (2010). Treatment history in the psychosis prodrome: Characteristics of the North American Prodrome Longitudinal Study Cohort. *Early Intervention in Psychiatry*, 4(3), 220–226. <https://doi.org/10.1111/j.1751-7893.2010.00183.x>
- Cantor-Graae, E., & Pedersen, C. B. (2007). Risk of schizophrenia in second-generation immigrants: A Danish population-based cohort study. *Psychological Medicine*, 37(04), 485. <https://doi.org/10.1017/s0033291706009652>
- Cantor-Graae, E., Pedersen, C. B., Mcneil, T. F., & Mortensen, P. B. (2003). Migration as a risk factor for schizophrenia: A Danish population-based cohort study. *British Journal of Psychiatry*, 182(2), 117–122. <https://doi.org/10.1192/bjp.182.2.117>
- Castagnini, A., & Foldager, L. (2013). Variations in incidence and age of onset of acute and transient psychotic disorders. *Social Psychiatry and Psychiatric Epidemiology*, 48(12), 1917–1922. <https://doi.org/10.1007/s00127-013-0726-7>
- Castillejos, M. C., Martín-Pérez, C., & Moreno-Küstner, B. (2018). A systematic review and meta-analysis of the incidence of psychotic disorders: The distribution of rates and the influence of gender, urbanicity, immigration and socio-economic level. *Psychological Medicine*, 48(13), 2101–2115. <https://doi.org/10.1017/s0033291718000235>
- Castillejos, M. C., Martín-Pérez, C., & Moreno-Küstner, B. (2019). Incidence of psychotic disorders and its association with methodological issues. A systematic review and meta-analysis. *Schizophrenia Research*, 204, 458–459. <https://doi.org/10.1016/j.schres.2018.07.031>

- Castle, D. J., Wessely, S., Howard, R., & Murray, R. M. (1997). Schizophrenia with onset at the extremes of adult life. *Schizophrenia Research*, 24(1-2), 248-249. [https://doi.org/10.1016/s0920-9964\(97\)82714-4](https://doi.org/10.1016/s0920-9964(97)82714-4)
- Charlson, F. J., Ferrari, A. J., Santomauro, D. F., Diminic, S., Stockings, E., Scott, J. G., McGrath, J. J., & Whiteford, H. A. (2018). Global epidemiology and burden of schizophrenia: Findings from the Global Burden of Disease Study 2016. *Schizophrenia Bulletin*, 44(6), 1195-1203. <https://doi.org/10.1093/schbul/sby058>
- Cheng, F., Kirkbride, J. B., Lennox, B. R., Perez, J., Masson, K., Lawrence, K., Hill, K., Feeley, L., Painter, M., Murray, G. K., Gallagher, O., Bullmore, E. T., & Jones, P. B. (2010). Administrative incidence of psychosis assessed in an early intervention service in England: First epidemiological evidence from a diverse, rural and urban setting. *Psychological Medicine*, 41(5), 949-958. <https://doi.org/10.1017/s0033291710002461>
- Christensen, M. K., Lim, C. C. W., Saha, S., Plana-Ripoll, O., Cannon, D., Presley, F., Weye, N., Momen, N. C., Whiteford, H. A., Iburg, K. M., & McGrath, J. J. (2020). The cost of mental disorders: A systematic review. *Epidemiology and Psychiatric Sciences*, 29. <https://doi.org/10.1017/s204579602000075x>
- Clay, F., Allan, S., Lai, S., Lavery, S., Jagger, G., Treise, C., & Perez, J. (2018). The over-35s: Early intervention in psychosis services entering uncharted territory. *BJPsych Bulletin*, 42(4), 137-140. <https://doi.org/10.1192/bjb.2018.28>
- Cohen, C. I., Cohen, G. D., Blank, K., Gaitz, C., Katz, I. R., Leuchter, A., Maletta, G., Meyers, B., Sakauye, K., & Shamoian, C. (2000). Schizophrenia and older adults: An overview: Directions for research and policy. *The American Journal of Geriatric Psychiatry*, 8(1), 19-28. <https://doi.org/10.1097/00019442-200002000-00003>
- Cohen, C. I., Meesters, P. D., & Zhao, J. (2015). New perspectives on schizophrenia in later life: Implications for treatment, policy, and research. *The Lancet Psychiatry*, 2(4), 340-350. [https://doi.org/10.1016/s2215-0366\(15\)00003-6](https://doi.org/10.1016/s2215-0366(15)00003-6)
- Coid, J. W., Kirkbride, J. B., Barker, D., Cowden, F., Stamps, R., Yang, M., & Jones, P. B. (2008). Raised incidence rates of all psychoses among migrant groups. *Archives of General Psychiatry*, 65(11), 1250. <https://doi.org/10.1001/archpsyc.65.11.1250>
- Cooper, J. E. (1972). *Psychiatric diagnosis in New York and London; a comparative study of mental hospital admissions*. Oxford University Press.
- Cooper, J. E., Goodhead, D., Craig, T., Harris, M., Howat, J., & Korner, J. (1987). The incidence of schizophrenia in Nottingham. *British Journal of Psychiatry*, 151(5), 619-626. <https://doi.org/10.1192/bjp.151.5.619>
- Dalman, Ch., Broms, J., Cullberg, J., & Allebeck, P. (2002). Young cases of schizophrenia identified in a national inpatient register. *Social Psychiatry and Psychiatric Epidemiology*, 37(11), 527-531. <https://doi.org/10.1007/s00127-002-0582-3>
- Dealberto, M.-J. (2013). Are the rates of schizophrenia unusually high in Canada? A comparison of Canadian and international data. *Psychiatry Research*, 209(3), 259-265. <https://doi.org/10.1016/j.psychres.2013.01.002>
- DeLisi, L. E. (1992). The significance of age of onset for schizophrenia. *Schizophrenia Bulletin*, 18(2), 209-215. <https://doi.org/10.1093/schbul/18.2.209>

- Dohrenwend, B., Levav, I., Shrout, P., Schwartz, S., Naveh, G., Link, B., Skodol, A., & Stueve, A. (1992). Socioeconomic status and psychiatric disorders: The causation-selection issue. *Science*, 255(5047), 946–952. <https://doi.org/10.1126/science.1546291>
- Eaton, W. W., Hall, A. L. F., Macdonald, R., & Mckibben, J. (2007). Case identification in psychiatric epidemiology: A review. *International Review of Psychiatry*, 19(5), 497–507. <https://doi.org/10.1080/09540260701564906>
- Edwards, J., Rodrigues, R., & Anderson, K. K. (2019). Framing the incidence of psychotic disorders: The case for context. *Psychological Medicine*, 49(15), 2637–2638. <https://doi.org/10.1017/s0033291719002538>
- Ekholm, B., Ekholm, A., Adolfsson, R., Vares, M., Ösby, U., Sedvall, G. C., & Jönsson, E. G. (2005). Evaluation of diagnostic procedures in Swedish patients with schizophrenia and related psychoses. *Nordic Journal of Psychiatry*, 59(6), 457–464. <https://doi.org/10.1080/08039480500360906>
- Fassaert, T., Wit, M. A. de, Verhoeff, A. P., Tuinebreijer, W. C., Gorissen, W. H., Beekman, A. T., & Dekker, J. (2009). Uptake of health services for common mental disorders by first-generation Turkish and Moroccan migrants in the Netherlands. *BMC Public Health*, 9(1). <https://doi.org/10.1186/1471-2458-9-307>
- Fearon, P., Kirkbride, J. B., Morgan, C., Dazzan, P., Morgan, K., Lloyd, T., Hutchinson, G., Tarrant, J., Fung, W. L. A., Holloway, J., Mallett, R., Harrison, G., Leff, J., Jones, P. B., & Murray, R. M. (2006). Incidence of schizophrenia and other psychoses in ethnic minority groups: Results from the MRC AESOP study. *Psychological Medicine*, 36(11), 1541–1550. <https://doi.org/10.1017/s0033291706008774>
- Feighner, J. P. (1972). Diagnostic criteria for use in psychiatric research. *Archives of General Psychiatry*, 26(1), 57. <https://doi.org/10.1001/archpsyc.1972.01750190059011>
- French, M. (2004). *Early detection and cognitive therapy*. John Wiley & Sons. https://www.ebook.de/de/product/3615255/french_morrison_early_detection_and_cognitive_therapy.html
- Fusar-Poli, P., Cappucciati, M., Rutigliano, G., Heslin, M., Stahl, D., Brittenden, Z., Caverzasi, E., McGuire, P., & Carpenter, W. T. (2016). Diagnostic stability of ICD/DSM first episode psychosis diagnoses: Meta-analysis. *Schizophrenia Bulletin*, 42(6), 1395–1406. <https://doi.org/10.1093/schbul/sbw020>
- Galdos, P. M., Os, J. J. van, & Murray, R. M. (1993). Puberty and the onset of psychosis. *Schizophrenia Research*, 10(1), 7–14. [https://doi.org/10.1016/0920-9964\(93\)90071-p](https://doi.org/10.1016/0920-9964(93)90071-p)
- Gara, M. A., Vega, W. A., Arndt, S., Escamilla, M., Fleck, D. E., Lawson, W. B., Lesser, I., Neighbors, H. W., Wilson, D. R., Arnold, L. M., & Strakowski, S. M. (2012). Influence of patient race and ethnicity on clinical assessment in patients with affective disorders. *Archives of General Psychiatry*, 69(6). <https://doi.org/10.1001/archgenpsychiatry.2011.2040>
- GBD 2017 Disease and Injury Incidence and Prevalence Collaborators, & Murray, C. J. L. (2018). Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990–2017: A systematic analysis for the Global Burden of Disease Study 1990–2017: *The Lancet*, 392(10159), 1789–1858. [https://doi.org/10.1016/s0140-6736\(18\)32279-7](https://doi.org/10.1016/s0140-6736(18)32279-7)
- Ghali, S., Fisher, H. L., Joyce, J., Major, B., Hobbs, L., Soni, S., Chisholm, B., Rahaman, N., Papada, P., Lawrence, J., Bloy, S., Marlowe, K., Aitchison, K. J., Power, P., & Johnson, S. (2013). Ethnic

- variations in pathways into early intervention services for psychosis. *British Journal of Psychiatry*, 202(4), 277–283. <https://doi.org/10.1192/bjp.bp.111.097865>
- Goldberg, D. (1992). *Common mental disorders: A bio-social model*. Tavistock/Routledge.
- Greenfield, P., Joshi, S., Christian, S., Lekkos, P., Gregorowicz, A., Fisher, H. L., & Johnson, S. (2016). First episode psychosis in the over 35's: Is there a role for early intervention? *Early Intervention in Psychiatry*, 12(3), 348–354. <https://doi.org/10.1111/eip.12322>
- Guloksuz, S., & Os, J. van. (2017). The slow death of the concept of schizophrenia and the painful birth of the psychosis spectrum. *Psychological Medicine*, 48(2), 229–244. <https://doi.org/10.1017/S0033291717001775>
- Häfner, H. (2000). Onset and early course as determinants of the further course of schizophrenia. *Acta Psychiatrica Scandinavica*, 102, 44–48. <https://doi.org/10.1034/j.1600-0447.2000.00008.x>
- Häfner, H., & Heiden, W. an der. (1986). The contribution of European case registers to research on schizophrenia. *Schizophrenia Bulletin*, 12(1), 26–51. <https://doi.org/10.1093/schbul/12.1.26>
- Häfner, H., Heiden, W. an der, Behrens, S., Gattaz, W. F., Hambrecht, M., Löffler, W., Maurer, K., Munk-Jorgensen, P., Nowotny, B., Riecher-Rössler, A., & Stein, A. (1998). Causes and consequences of the gender difference in age at onset of schizophrenia. *Schizophrenia Bulletin*, 24(1), 99–113. <https://doi.org/10.1093/oxfordjournals.schbul.a033317>
- Häfner, H., Maurer, K., & Heiden, W. an der. (2013). ABC schizophrenia study: An overview of results since 1996. *Social Psychiatry and Psychiatric Epidemiology*, 48(7), 1021–1031. <https://doi.org/10.1007/s00127-013-0700-4>
- Häfner, H., Maurer, K., Löffler, W., & Riecher-Rössler, A. (1993). The influence of age and sex on the onset and early course of schizophrenia. *British Journal of Psychiatry*, 162(1), 80–86. <https://doi.org/10.1192/bjp.162.1.80>
- Häfner, H., Maurer, K., Trendler, G., Heiden, W. an der, Schmidt, M., & Könnicke, R. (2005). Schizophrenia and depression: Challenging the paradigm of two separate diseases—a controlled study of schizophrenia, depression and healthy controls. *Schizophrenia Research*, 77(1), 11–24. <https://doi.org/10.1016/j.schres.2005.01.004>
- Häfner, H., Riecher-Rössler, A., Hambrecht, M., Maurer, K., Meissner, S., Schmidtke, A., Fätkenheuer, B., Löffler, W., & Heiden, W. van der. (1992). IRAOS: An instrument for the assessment of onset and early course of schizophrenia. *Schizophrenia Research*, 6(3), 209–223. [https://doi.org/10.1016/0920-9964\(92\)90004-o](https://doi.org/10.1016/0920-9964(92)90004-o)
- Hanssen, M., Bak, M., Bijl, R., Vollebergh, W., & Os, J. (2005). The incidence and outcome of sub-clinical psychotic experiences in the general population. *British Journal of Clinical Psychology*, 44(2), 181–191. <https://doi.org/10.1348/014466505x29611>
- Harbord, R. M., & Higgins, J. P. (2008). Meta-regression in STATA. *The Stata Journal*, 8(4), 493–519. <https://doi.org/10.1177/1536867x0800800403>
- Harris, M. J., & Jeste, D. V. (1988). Late-onset schizophrenia: An overview. *Schizophrenia Bulletin*, 14(1), 39–55.
- Harrison, P. J., & Weinberger, D. R. (2004). Schizophrenia genes, gene expression, and neuropathology: On the matter of their convergence. *Molecular Psychiatry*, 10(1), 40–68. <https://doi.org/10.1038/sj.mp.4001558>

- Hernán, M. A., Hernández-Díaz, S., & Robins, J. M. (2004). A structural approach to selection bias. *Epidemiology*, 15(5), 615–625. <https://doi.org/10.1097/01.ede.0000135174.63482.43>
- Higgins, J. P. T., & Thompson, S. G. (2004). Controlling the risk of spurious findings from meta-regression. *Statistics in Medicine*, 23(11), 1663–1682. <https://doi.org/10.1002/sim.1752>
- Hjern, A., Wicks, S., & Dalman, C. (2004). Social adversity contributes to high morbidity in psychoses in immigrants — a national cohort study in two generations of Swedish residents. *Psychological Medicine*, 34(6), 1025–1033. <https://doi.org/10.1017/s003329170300148x>
- Hogerzeil, S. J., & Hemert, A. M. van. (2019). Design choices when estimating the treated incidence of schizophrenia. *Psychological Medicine*, 49(15), 2635–2636. <https://doi.org/10.1017/s0033291719001338>
- Hogerzeil, S. J., Hemert, A. M. van, Rosendaal, F. R., Susser, E., & Hoek, H. W. (2014). Direct comparison of first-contact versus longitudinal register-based case finding in the same population: Early evidence that the incidence of schizophrenia may be three times higher than commonly reported. *Psychological Medicine*, 44(16), 3481–3490. <https://doi.org/10.1017/s003329171400083x>
- Hogerzeil, S. J., Hemert, A. M. van, Veling, W., & Hoek, H. W. (2016). Incidence of schizophrenia among migrants in the Netherlands: A direct comparison of first contact vs. longitudinal register approaches. *Social Psychiatry and Psychiatric Epidemiology*, 52(2), 147–154. <https://doi.org/10.1007/s00127-016-1310-8>
- Hogerzeil, S. J., Hoek, H. W., & Hemert, A. M. van. (2021). The impact of study design on schizophrenia incidence estimates: A systematic review of Northern European studies 2008–2019. *Schizophrenia Research*, 231, 134–141. <https://doi.org/10.1016/j.schres.2021.03.017>
- Hogerzeil, S. J., & Susser, E. (2017). Schizophrenia: Learning about the other half. *Psychiatric Services*, 68(5), 425–425. <https://doi.org/10.1176/appi.ps.68502>
- Howard, R., Rabins, P. V., Seeman, M. V., Jeste, D. V., & the International Late-Onset Schizophrenia Group. (2000). Late-onset schizophrenia and very-late-onset schizophrenia-like psychosis: An international consensus. *American Journal of Psychiatry*, 157(2), 172–178. <https://doi.org/10.1176/appi.ajp.157.2.172>
- Isohanni, M., Jones, P. B., Moilanen, K., Rantakallio, P., Veijola, J., Oja, H., Koironen, M., Jokelainen, J., Croudace, T., & Järvelin, M.-R. (2001). Early developmental milestones in adult schizophrenia and other psychoses. A 31-year follow-up of the Northern Finland 1966 birth cohort. *Schizophrenia Research*, 52(1-2), 1–19. [https://doi.org/10.1016/s0920-9964\(00\)00179-1](https://doi.org/10.1016/s0920-9964(00)00179-1)
- Jaaskelainen, E., Juola, P., Hirvonen, N., McGrath, J. J., Saha, S., Isohanni, M., Veijola, J., & Miettunen, J. (2012). A systematic review and meta-analysis of recovery in schizophrenia. *Schizophrenia Bulletin*, 39(6), 1296–1306. <https://doi.org/10.1093/schbul/sbs130>
- Jablensky, A., Sartorius, N., Ernberg, G., Anker, M., Korten, A., Cooper, J. E., Day, R., & Bertelsen, A. (1992). Schizophrenia: Manifestations, incidence and course in different cultures a World Health Organization Ten-Country Study. *Psychological Medicine. Monograph Supplement*, 20, 1–97. <https://doi.org/10.1017/s0264180100000904>
- Jeste, D. V., Harris, J. M., Krull, A., Kuck, J., McAdams, L. A., & Heaton, R. (1995). Clinical and neuropsychological characteristics of patients with late-onset schizophrenia. *American Journal of Psychiatry*, 152(5), 722–730. <https://doi.org/10.1176/ajp.152.5.722>

- Jongsma, H. E., Gayer-Anderson, C., Lasalvia, A., Quattrone, D., Mulè, A., Szöke, A., Selten, J.-P., Turner, C., Arango, C., & Tarricone, I. (2018). Treated incidence of psychotic disorders in the multinational EU-GEI study. *JAMA Psychiatry*, 75(1), 36–46. <https://doi.org/10.1001/jamapsychiatry.2017.3554>
- Jongsma, H. E., & Jones, P. B. (2019). The incidence of psychotic disorders: Only the tip of the iceberg? *British Journal of Hospital Medicine*, 80(12), 688–689. <https://doi.org/10.12968/hmed.2019.80.12.688>
- Jongsma, H. E., Turner, C., Kirkbride, J. B., & Jones, P. B. (2019). International incidence of psychotic disorders, 2002–17: A systematic review and meta-analysis. *The Lancet Public Health*, 4(5), e229–e244. [https://doi.org/10.1016/s2468-2667\(19\)30056-8](https://doi.org/10.1016/s2468-2667(19)30056-8)
- Jørgensen, L., Ahlbom, A., Allebeck, P., & Dalman, C. (2010). The Stockholm non-affective psychoses study (SNAPS): The importance of including out-patient data in incidence studies. *Acta Psychiatrica Scandinavica*, 121(5), 389–392. <https://doi.org/10.1111/j.1600-0447.2009.01500.x>
- Kale, R. (1995). South Africa's Health: Traditional healers in South Africa: A parallel health care system. *BMJ*, 310(6988), 1182–1185. <https://doi.org/10.1136/bmj.310.6988.1182>
- Kaymaz, N., & Os, J. van. (2010). Extended psychosis phenotype — yes: Single continuum — unlikely. *Psychological Medicine*, 40(12), 1963–1966. <https://doi.org/10.1017/s0033291710000358>
- Kendell, R. E., Everett, B., Cooper, J. E., Sartorius, N., & David, M. E. (1968). The reliability of the Present State Examination. *Social Psychiatry*, 3(3), 123–129. <https://doi.org/10.1007/bf00577836>
- Kendell, R. E., Malcolm, D. E., & Adams, W. (1993). The problem of detecting changes in the incidence of schizophrenia. *British Journal of Psychiatry*, 162(2), 212–218. <https://doi.org/10.1192/bjp.162.2.212>
- Keshavan, M. S., Diwadkar, V. A., Montrose, D. M., Rajarethinam, R., & Sweeney, J. A. (2005). Pre-morbid indicators and risk for schizophrenia: A selective review and update. *Schizophrenia Research*, 79(1), 45–57. <https://doi.org/10.1016/j.schres.2005.07.004>
- Kessler, R. C., Demler, O., Frank, R. G., Olsson, M., Pincus, H. A., Walters, E. E., Wang, P., Wells, K. B., & Zaslavsky, A. M. (2005). Prevalence and treatment of mental disorders, 1990 to 2003. *New England Journal of Medicine*, 352(24), 2515–2523. <https://doi.org/10.1056/nejmsa043266>
- Kirkbride, J. B., Barker, D., Cowden, F., Stamps, R., Yang, M., Jones, P. B., & Coid, J. W. (2008). Psychoses, ethnicity and socio-economic status. *British Journal of Psychiatry*, 193(1), 18–24. <https://doi.org/10.1192/bjp.bp.107.041566>
- Kirkbride, J. B., Errazuriz, A., Croudace, T. J., Morgan, C., Jackson, D., Boydell, J., Murray, R. M., & Jones, P. B. (2012). Incidence of schizophrenia and other psychoses in England, 1950–2009: A systematic review and meta-analyses. *PLoS ONE*, 7(3), e31660. <https://doi.org/10.1371/journal.pone.0031660>
- Kirkbride, J. B., Fearon, P., Morgan, C., Dazzan, P., Morgan, K., Tarrant, J., Lloyd, T., Holloway, J., Hutchinson, G., Leff, J. P., Mallett, R. M., Harrison, G. L., Murray, R. M., & Jones, P. B. (2006). Heterogeneity in incidence rates of schizophrenia and other psychotic syndromes. *Archives of General Psychiatry*, 63(3), 250. <https://doi.org/10.1001/archpsyc.63.3.250>
- Kirkbride, J. B., Hameed, Y., Ioannidis, K., Ankireddypalli, G., Crane, C. M., Nasir, M., Kabacs, N., Metastasio, A., Jenkins, O., Espandian, A., Spyridi, S., Ralevic, D., Siddabattuni, S., Walden, B., Adeoye, A., Perez, J., & Jones, P. B. (2017). Ethnic minority status, age-at-immigration and

- psychosis risk in rural environments: Evidence from the SEPEA study. *Schizophrenia Bulletin*, 43(6), 1251–1261. <https://doi.org/10.1093/schbul/sbx010>
- Kirkbride, J. B., Jones, P. B., Ullrich, S., & Coid, J. W. (2012). Social deprivation, inequality, and the neighborhood-level incidence of psychotic syndromes in East London. *Schizophrenia Bulletin*, 40(1), 169–180. <https://doi.org/10.1093/schbul/sbs151>
- Kleinhaus, K., Harlap, S., Perrin, M., Manor, O., Weiser, M., Lichtenberg, P., & Malaspina, D. (2011). Age, sex and first treatment of schizophrenia in a population cohort. *Journal of Psychiatric Research*, 45(1), 136–141. <https://doi.org/10.1016/j.jpsychires.2010.05.010>
- Klosterkötter, J., Hellmich, M., Steinmeyer, E. M., & Schultze-Lutter, F. (2001). Diagnosing schizophrenia in the initial prodromal phase. *Archives of General Psychiatry*, 58(2), 158. <https://doi.org/10.1001/archpsyc.58.2.158>
- Knapp, G., & Hartung, J. (2003). Improved tests for a random effects meta-regression with a single covariate. *Statistics in Medicine*, 22(17), 2693–2710. <https://doi.org/10.1002/sim.1482>
- Kodesh, A., Goldshtein, I., Gelkopf, M., Goren, I., Chodick, G., & Shalev, V. (2012). Epidemiology and comorbidity of severe mental illnesses in the community: Findings from a computerized mental health registry in a large Israeli health organization. *Social Psychiatry and Psychiatric Epidemiology*, 47(11), 1775–1782. <https://doi.org/10.1007/s00127-012-0478-9>
- Krabbendam, L., & Os, J. van. (2005). Affective processes in the onset and persistence of psychosis. *European Archives of Psychiatry and Clinical Neuroscience*, 255(3), 185–189. <https://doi.org/10.1007/s00406-005-0586-6>
- Kraepelin, E. (1919). *Dementia praecox and paraphrenia* (G. M. Robertson, Ed.). Chicago Medical Book co.
- Kühl, J. O. G., Laursen, T. M., Thorup, A., & Nordentoft, M. (2016). The incidence of schizophrenia and schizophrenia spectrum disorders in denmark in the period 2000–2012. A register-based study. *Schizophrenia Research*, 176(2–3), 533–539. <https://doi.org/10.1016/j.schres.2016.06.023>
- Kwok, W. (2014). Is there evidence that social class at birth increases risk of psychosis? A systematic review. *International Journal of Social Psychiatry*, 60(8), 801–808. <https://doi.org/10.1177/0020764014524737>
- Lane, J. M., & Addis, M. E. (2005). Male gender role conflict and patterns of help seeking in Costa Rica and the United States. *Psychology of Men & Masculinity*, 6(3), 155–168. <https://doi.org/10.1037/1524-9220.6.3.155>
- Lappin, J. M., Heslin, M., Jones, P. B., Doody, G. A., Reininghaus, U. A., Demjaha, A., Croudace, T., Jamieson-Craig, T., Donoghue, K., Lomas, B., Fearon, P., Murray, R. M., Dazzan, P., & Morgan, C. (2016). Outcomes following first-episode psychosis — why we should intervene early in all ages, not only in youth. *Australian & New Zealand Journal of Psychiatry*, 50(11), 1055–1063. <https://doi.org/10.1177/0004867416673454>
- Laursen, T. M., Nordentoft, M., & Mortensen, P. B. (2014). Excess early mortality in schizophrenia. *Annual Review of Clinical Psychology*, 10(1), 425–448. <https://doi.org/10.1146/annurev-clinpsy-032813-153657>
- Liberati, A., Altman, D. G., Tetzlaff, J., Mulrow, C., Gotzsche, P. C., Ioannidis, J. P. A., Clarke, M., Devereaux, P. J., Kleijnen, J., & Moher, D. (2009). The PRISMA statement for reporting systematic

- reviews and meta-analyses of studies that evaluate healthcare interventions: Explanation and elaboration. *BMJ*, 339(jul21 1), b2700-b2700. <https://doi.org/10.1136/bmj.b2700>
- Linscott, R. J., & Os, J. van. (2010). Systematic reviews of categorical versus continuum models in psychosis: Evidence for discontinuous subpopulations underlying a psychometric continuum. Implications for DSM-v, DSM-VI, and DSM-VII. *Annual Review of Clinical Psychology*, 6(1), 391-419. <https://doi.org/10.1146/annurev.clinpsy.032408.153506>
- Ludvigsson, J. F., Andersson, E., Ekblom, A., Feychting, M., Kim, J.-L., Reuterwall, C., Heurgren, M., & Olausson, P. O. (2011). External review and validation of the Swedish national inpatient register. *BMC Public Health*, 11(1). <https://doi.org/10.1186/1471-2458-11-450>
- Mann, F., Fisher, H. L., Major, B., Lawrence, J., Tapfumaneyi, A., Joyce, J., Hinton, M. F., & Johnson, S. (2014). Ethnic variations in compulsory detention and hospital admission for psychosis across four UK Early Intervention Services. *BMC Psychiatry*, 14(1). <https://doi.org/10.1186/s12888-014-0256-1>
- Marshall, M., & Rathbone, J. (2011). Early intervention for psychosis. *Cochrane Database of Systematic Reviews*. <https://doi.org/10.1002/14651858.cd004718.pub3>
- McGorry, P. D., Killackey, E., & Yung, A. (2008). Early intervention in psychosis: Concepts, evidence and future directions. *World Psychiatry*, 7(3), 148-156. <https://doi.org/10.1002/j.2051-5545.2008.tb00182.x>
- McGorry, P. D., Yung, A. R., & Phillips, L. J. (2003). The "close-in" or Ultra High-Risk model: A safe and effective strategy for research and clinical intervention in prepsychotic mental disorder. *Schizophrenia Bulletin*, 29(4), 771-790. <https://doi.org/10.1093/oxfordjournals.schbul.a007046>
- McGrath, J., Saha, S., Welham, J., Saadi, O. E., MacCauley, C., & Chant, D. (2004). A systematic review of the incidence of schizophrenia: The distribution of rates and the influence of sex, urbanicity, migrant status and methodology. *BMC Medicine*, 2(1). <https://doi.org/10.1186/1741-7015-2-13>
- Moore, T. H., Zammit, S., Lingford-Hughes, A., Barnes, T. R., Jones, P. B., Burke, M., & Lewis, G. (2007). Cannabis use and risk of psychotic or affective mental health outcomes: A systematic review. *The Lancet*, 370(9584), 319-328. [https://doi.org/10.1016/s0140-6736\(07\)61162-3](https://doi.org/10.1016/s0140-6736(07)61162-3)
- Morgan, C., Fearon, P., Hutchinson, G., McKenzie, K., Lappin, J. M., Abdul-al, R., Morgan, K., Dazzan, P., Boydell, J., Harrison, G., Craig, T., Leff, J., Jones, P., & Murray, R. (2005). First contact incidence of psychotic disorders among native Dutch and Moroccan immigrants in the Netherlands: Influence of diagnostic bias. *Psychological Medicine*, 36(2), 239-247. <https://doi.org/10.1017/s0033291705006604>
- Morgan, C., Mallett, R., Hutchinson, G., & Leff, J. (2004). Negative pathways to psychiatric care and ethnicity: The bridge between social science and psychiatry. *Social Science & Medicine*, 58(4), 739-752. [https://doi.org/10.1016/s0277-9536\(03\)00233-8](https://doi.org/10.1016/s0277-9536(03)00233-8)
- Morrison, A. P., Stewart, S. L. K., French, P., Bentall, R. P., Birchwood, M., Byrne, R., Davies, L. M., Fowler, D., Gumley, A. I., Jones, P. B., Lewis, S. W., Murray, G. K., Patterson, P., & Dunn, G. (2011). Early detection and intervention evaluation for people at high-risk of psychosis-2 (EDIE-2): Trial rationale, design and baseline characteristics. *Early Intervention in Psychiatry*, 5(1), 24-32. <https://doi.org/10.1111/j.1751-7893.2010.00254.x>

- Mors, O., Perto, G. P., & Mortensen, P. B. (2011). The Danish Psychiatric Central Research Register. *Scandinavian Journal of Public Health*, 39(7_suppl), 54–57. <https://doi.org/10.1177/1403494810395825>
- Mulder, C. L., Koopmans, G. T., & Selten, J.-P. (2006). Emergency psychiatry, compulsory admissions and clinical presentation among immigrants to the Netherlands. *British Journal of Psychiatry*, 188(4), 386–391. <https://doi.org/10.1192/bjp.188.4.386>
- Murphy, J., Shevlin, M., Houston, J., & Adamson, G. (2010). A population based analysis of subclinical psychosis and help-seeking behavior. *Schizophrenia Bulletin*, 38(2), 360–367. <https://doi.org/10.1093/schbul/sbq092>
- Murray, R. M. (1997). Schizophrenia. In R. M. Murray, *The essentials of postgraduate psychiatry* (pp. 281–309). Cambridge University Cambridge University Press (CUP).
- Murray, R. M., Jones, P. B., Susser, E., Os, J. van, & Cannon, M. (Eds.). (2009). *The epidemiology of schizophrenia*. Cambridge University Press.
- Murray, R. M., Morrison, P. D., Henquet, C., & Forti, M. D. (2007). Cannabis, the mind and society: The hash realities. *Nature Reviews Neuroscience*, 8(11), 885–895. <https://doi.org/10.1038/nrn2253>
- National Institute of Mental Health. (2020). *Schizophrenia*. <https://www.nimh.nih.gov/health/statistics/schizophrenia.shtml>
- Nielsen, S. M., Toftdahl, N. G., Nordentoft, M., & Hjorthøj, C. (2017). Association between alcohol, cannabis, and other illicit substance abuse and risk of developing schizophrenia: A nationwide population based register study. *Psychological Medicine*, 47(9), 1668–1677. <https://doi.org/10.1017/s0033291717000162>
- Nieman, D. H., Rike, W. H., Becker, H. E., Dingemans, P. M., Amelsvoort, T. A. van, Haan, L. de, Gaag, M. van der, Denys, D. A. J. P., & Linszen, D. H. (2009). Prescription of antipsychotic medication to patients at ultra high risk of developing psychosis. *International Clinical Psychopharmacology*, 24(4), 223–228. <https://doi.org/10.1097/yic.0b013e32832e0a76>
- Norman, R. M. G., Malla, A. K., Verdieu, M. B., Hassal, L. D., & Fazekas, C. (2004). Understanding delay in treatment for first-episode psychosis. *Psychological Medicine*, 34(2), 255–266. <https://doi.org/10.1017/s0033291703001119>
- O'Brien, A., Fahmy, R., & Singh, S. P. (2008). Disengagement from mental health services. *Social Psychiatry and Psychiatric Epidemiology*, 44(7), 558–568. <https://doi.org/10.1007/s00127-008-0476-0>
- O'Donoghue, B., Roche, E., & Lane, A. (2016). Neighbourhood level social deprivation and the risk of psychotic disorders: A systematic review. *Social Psychiatry and Psychiatric Epidemiology*, 51(7), 941–950. <https://doi.org/10.1007/s00127-016-1233-4>
- Ochoa, S., Usall, J., Villalta-Gil, V., Vilaplana, M., Márquez, M., Valdelomar, M., & Haro, J. M. (2006). Influence of age at onset on social functioning in outpatients with schizophrenia. *The European Journal of Psychiatry*, 20(3). <https://doi.org/10.4321/s0213-61632006000300003>
- Os, J. van, & Delespaul, P. (2005). Toward a world consensus on prevention of schizophrenia. *Dialogues in Clinical Neuroscience*, 7, 53–67. <https://doi.org/10.31887/DCNS.2005.7.1/jvanos>
- Os, J. van, Hanssen, M., Bijl, R. V., & Ravelli, A. (2000). Strauss (1969) revisited: A psychosis continuum in the general population? *Schizophrenia Research*, 45(1-2), 11–20. [https://doi.org/10.1016/s0920-9964\(99\)00224-8](https://doi.org/10.1016/s0920-9964(99)00224-8)

- Os, J. van, Howard, R., Takei, N., & Murray, R. (1995). Increasing age is a risk factor for psychosis in the elderly. *Social Psychiatry and Psychiatric Epidemiology*, 30(4), 161–164. <https://doi.org/10.1007/bf00790654>
- Os, J. van, & Kapur, S. (2009). Schizophrenia. *The Lancet*, 374(9690), 635–645. [https://doi.org/10.1016/s0140-6736\(09\)60995-8](https://doi.org/10.1016/s0140-6736(09)60995-8)
- Os, J. van, Kenis, G., & Rutten, B. P. F. (2010). The environment and schizophrenia. *Nature*, 468(7321), 203–212. <https://doi.org/10.1038/nature09563>
- Paksarian, D., Eaton, W. W., Mortensen, P. B., Merikangas, K. R., & Pedersen, C. B. (2015). A population-based study of the risk of schizophrenia and bipolar disorder associated with parent-child separation during development. *Psychological Medicine*, 45(13), 2825–2837. <https://doi.org/10.1017/s0033291715000781>
- Pedersen, C. B., Mors, O., Bertelsen, A., Waltoft, B. L., Agerbo, E., McGrath, J. J., Mortensen, P. B., & Eaton, W. W. (2014). A comprehensive nationwide study of the incidence rate and lifetime risk for treated mental disorders. *JAMA Psychiatry*, 71(5), 573–581. <https://doi.org/10.1001/jamapsychiatry.2014.16>
- Platz, C., Umbricht, D. S., Cattapan-Ludewig, K., Dvorsky, D., Arbach, D., Brenner, H.-D., & Simon, A. E. (2006). Help-seeking pathways in early psychosis. *Social Psychiatry and Psychiatric Epidemiology*, 41(12), 967–974. <https://doi.org/10.1007/s00127-006-0117-4>
- Preda, A., Miller, T. J., Rosen, J. L., Somjee, L., McGlashan, T. H., & Woods, S. W. (2002). Treatment histories of patients with a syndrome putatively prodromal to schizophrenia. *Psychiatric Services*, 53(3), 342–344. <https://doi.org/10.1176/appi.ps.53.3.342>
- R Core Team. (2020). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. <https://www.R-project.org/>
- Reay, R., Mitford, E., McCabe, K., Paxton, R., & Turkington, D. (2010). Incidence and diagnostic diversity in first-episode psychosis. *Acta Psychiatrica Scandinavica*, 121(4), 315–319. <https://doi.org/10.1111/j.1600-0447.2009.01505.x>
- Rietdijk, J. & Hogerzeil, S. J., Hemert, A. M. van, Cuijpers, P., Linszen, D. H., & Gaag, M. van der. (2011). Pathways to psychosis: Help-seeking behavior in the prodromal phase. *Schizophrenia Research*, 132(2–3), 213–219. <https://doi.org/10.1016/j.schres.2011.08.009>
- Rohatgi, A. (2019). *WebPlotDigitizer (version 4.2) for mac OS*. <https://automeris.io/WebPlotDigitizer>
- Rothman, K. (2021). *Modern Epidemiology*. Wolters Kluwer.
- Rothman, K., Greenland, S., & Lash, T. (Eds.). (2008). *Modern Epidemiology*. Wolters Kluwer Health/Lippincott Williams & Wilkins.
- Saha, S., Chant, D., Welham, J., & McGrath, J. (2005). A systematic review of the prevalence of schizophrenia. *PLoS Medicine*, 2(5), e141. <https://doi.org/10.1371/journal.pmed.0020141>
- Salokangas, R. K. R., Helminen, M., Koivisto, A.-M., Rantanen, H., Oja, H., Pirkola, S., Wahlbeck, K., & Joukamaa, M. (2010). Incidence of hospitalised schizophrenia in Finland since 1980: Decreasing and increasing again. *Social Psychiatry and Psychiatric Epidemiology*, 46(4), 343–350. <https://doi.org/10.1007/s00127-010-0209-z>
- Salomon, J. A., Vos, T., Hogan, D. R., Gagnon, M., Naghavi, M., Mokdad, A., Begum, N., Shah, R., Karyana, M., Kosen, S., Farje, M. R., Moncada, G., Dutta, A., Sazawal, S., Dyer, A., Seiler, J., Aboyans, V., Baker, L., Baxter, A., ... Murray, C. J. (2012). Common values in assessing health

- outcomes from disease and injury: Disability weights measurement study for the Global Burden of Disease Study 2010. *The Lancet*, 380(9859), 2129–2143. [https://doi.org/10.1016/S0140-6736\(12\)61680-8](https://doi.org/10.1016/S0140-6736(12)61680-8)
- Sartorius, N., Shapiro, R., & Jablensky, A. (1974). The International Pilot Study of Schizophrenia. *Schizophrenia Bulletin*, 1(11), 21–34. <https://doi.org/10.1093/schbul/1.11.21>
- Selten, J. P., Veen, N. D., Blom, J. D., Hoek, H. W., & Veling, W. (2012). Diagnostic issues in Moroccan immigrants to the Netherlands. *Schizophrenia Research*, 141(2–3), 286–287. <https://doi.org/10.1016/j.schres.2012.07.025>
- Selten, J.-P., Ven, E. van der, Rutten, B. P. F., & Cantor-Graae, E. (2013). The social defeat hypothesis of schizophrenia: An update. *Schizophrenia Bulletin*, 39(6), 1180–1186. <https://doi.org/10.1093/schbul/sbt134>
- Selten, J.-P., Ven, E. van der, & Termorshuizen, F. (2019). Migration and psychosis: A meta-analysis of incidence studies. *Psychological Medicine*, 50(2), 303–313. <https://doi.org/10.1017/S0033291719000035>
- Simon, G. E., Coleman, K. J., Yarborough, B. J. H., Operskalski, B., Stewart, C., Hunkeler, E. M., Lynch, F., Carrell, D., & Beck, A. (2017). First presentation with psychotic symptoms in a population-based sample. *Psychiatric Services*, 68(5), 456–461. <https://doi.org/10.1176/appi.ps.201600257>
- Simon, R. J. (1971). Impact of a patient history interview on psychiatric diagnosis. *Archives of General Psychiatry*, 24(5), 437. <https://doi.org/10.1001/archpsyc.1971.01750110049008>
- Söderlund, J., Wicks, S., Jørgensen, L., & Dalman, C. (2015). Comparing cohort incidence of schizophrenia with that of bipolar disorder and affective psychosis in individuals born in stockholm county 19551967. *Psychological Medicine*, 45(16), 3433–3439. <https://doi.org/10.1017/S0033291715001336>
- Sørensen, H. J., Larsen, J. T., Mors, O., Nordentoft, M., Mortensen, P. B., & Petersen, L. (2015). Analysis of risk factors for schizophrenia with two different case definitions: A nationwide register-based external validation study. *Schizophrenia Research*, 162(1–3), 74–78. <https://doi.org/10.1016/j.schres.2015.01.018>
- Sørensen, H. J., Mortensen, E. L., Schiffman, J., Reinisch, J. M., Maeda, J., & Mednick, S. A. (2010). Early developmental milestones and risk of schizophrenia: A 45-year follow-up of the Copenhagen Perinatal Cohort. *Schizophrenia Research*, 118(1–3), 41–47. <https://doi.org/10.1016/j.schres.2010.01.029>
- Spitzer, R. L. (1978). Research Diagnostic Criteria. *Archives of General Psychiatry*, 35(6), 773. <https://doi.org/10.1001/archpsyc.1978.01770300115013>
- Stafford, J., Howard, R., & Kirkbride, J. B. (2018). The incidence of very late-onset psychotic disorders: A systematic review and meta-analysis, 1960–2016. *Psychological Medicine*, 48(11), 1775–1786.
- Stip, E., & Letourneau, G. (2009). Psychotic symptoms as a continuum between normality and pathology. *The Canadian Journal of Psychiatry*, 54(3), 140–151. <https://doi.org/10.1177/070674370905400302>
- Sutherland, A. L., Dieleman, J., Storosum, J. G., Voordouw, B. A. C., Kroon, J., Veldhuis, J., Denys, D. A. J. P., Haan, L. de, & Sturkenboom, M. C. J. M. (2013). Annual incidence rate of schizophrenia and schizophrenia spectrum disorders in a longitudinal population-based cohort study.

- Social Psychiatry and Psychiatric Epidemiology*, 48(9), 1357–1365. <https://doi.org/10.1007/s00127-013-0651-9>
- Szoke, A., Pignon, B., Baudin, G., Tortelli, A., Richard, J.-R., Leboyer, M., & Schürhoff, F. (2016). Small area-level variation in the incidence of psychotic disorders in an urban area in France: An ecological study. *Social Psychiatry and Psychiatric Epidemiology*, 51(7), 951–960. <https://doi.org/10.1007/s00127-016-1231-6>
- Thorup, A., Waltoft, B. L., Pedersen, C. B., Mortensen, P. B., & Nordentoft, M. (2007). Young males have a higher risk of developing schizophrenia: A Danish register study. *Psychological Medicine*, 37(04), 479. <https://doi.org/10.1017/s0033291707009944>
- Uggerby, P., Østergaard, S. D., Røge, R., Correll, C. U., & Nielsen, J. (2013). The validity of the schizophrenia diagnosis in the Danish Psychiatric Central Research Register is good. *Danish Medical Journal*, 60, A4578.
- Unterrassner, L., Wyss, T. A., Wotruba, D., Ajdacic-Gross, V., Haker, H., & Rössler, W. (2017). Psychotic-like experiences at the healthy end of the psychosis continuum. *Frontiers in Psychology*, 8. <https://doi.org/10.3389/fpsyg.2017.00775>
- Upthegrove, R., Marwaha, S., & Birchwood, M. (2016). Depression and schizophrenia: Cause, consequence or trans-diagnostic issue? *Schizophrenia Bulletin*, sbw097. <https://doi.org/10.1093/schbul/sbw097>
- Vahia, I. V., Palmer, B. W., Depp, C., Fellows, I., Golshan, S., Kraemer, H. C., & Jeste, D. V. (2010). Is late-onset schizophrenia a subtype of schizophrenia? *Acta Psychiatrica Scandinavica*, 122(5), 414–426.
- van der Werf, M., Hanssen, M., Köhler, S., Verkaaik, M., Verhey, F. R., Winkel, R. van, Os, J. van, & Allardyce, J. (2012). Systematic review and collaborative recalculation of 133 693 incident cases of schizophrenia. *Psychological Medicine*, 44(1), 9–16. <https://doi.org/10.1017/S0033291712002796>
- Vanasse, A., Courteau, J., Fleury, M.-J., Grégoire, J.-P., Lesage, A., & Moisan, J. (2011). Treatment prevalence and incidence of schizophrenia in Quebec using a population health services perspective: Different algorithms, different estimates. *Social Psychiatry and Psychiatric Epidemiology*, 47(4), 533–543. <https://doi.org/10.1007/s00127-011-0371-y>
- Vassos, E., Agerbo, E., Mors, O., & Pedersen, C. B. (2016). Urban-rural differences in incidence rates of psychiatric disorders in Denmark. *British Journal of Psychiatry*, 208(5), 435–440. <https://doi.org/10.1192/bjp.bp.114.161091>
- Vassos, E., Pedersen, C. B., Murray, R. M., Collier, D. A., & Lewis, C. M. (2012). Meta-analysis of the association of urbanicity with schizophrenia. *Schizophrenia Bulletin*, 38(6), 1118–1123. <https://doi.org/10.1093/schbul/sbs096>
- Veen, N. D., Selten, J.-P., Schols, D., Laan, W., Hoek, H. W., Tweel, I. van der, & Kahn, R. S. (2004). Diagnostic stability in a Dutch psychosis incidence cohort. *British Journal of Psychiatry*, 185(6), 460–464. <https://doi.org/10.1192/bjp.185.6.460>
- Velting, W. (2013). Ethnic minority position and risk for psychotic disorders. *Current Opinion in Psychiatry*, 26(2), 166–171. <https://doi.org/10.1097/ycp.0b013e32835d9e43>

- Veling, W., Selten, J.-P., Susser, E., Laan, W., Mackenbach, J. P., & Hoek, H. W. (2007). Discrimination and the incidence of psychotic disorders among ethnic minorities in the Netherlands. *International Journal of Epidemiology*, 36(4), 761–768.
- Veling, W., Selten, J.-P., Veen, N., Laan, W., Blom, J. D., & Hoek, H. W. (2006). Incidence of schizophrenia among ethnic minorities in the Netherlands: A four-year first-contact study. *Schizophrenia Research*, 86(1-3), 189–193. <https://doi.org/10.1016/j.schres.2006.06.010>
- Veling, W., & Susser, E. (2011). Migration and psychotic disorders. *Expert Review of Neurotherapeutics*, 11(1), 65–76. <https://doi.org/10.1586/ern.10.91>
- Veling, W., Susser, E., Os, J. van, Mackenbach, J. P., Selten, J.-P., & Hoek, H. W. (2008). Ethnic density of neighborhoods and incidence of psychotic disorders among immigrants. *American Journal of Psychiatry*, 165(1), 66–73. <https://doi.org/10.1176/appi.ajp.2007.07030423>
- Velthorst, E., Nieman, D. H., Linszen, D., Becker, H., Haan, L. de, Dingemans, P. M., Birchwood, M., Patterson, P., Salokangas, R. K. R., Heinimaa, M., Heinz, A., Juckel, G., Reventlow, H. G. von, French, P., Stevens, H., Schultze-Lutter, F., Klosterkötter, J., & Ruhrmann, S. (2010). Disability in people clinically at high risk of psychosis. *British Journal of Psychiatry*, 197(4), 278–284. <https://doi.org/10.1192/bjp.bp.109.075036>
- Viechtbauer, W. (2010). Conducting meta-analyses in R with the metafor package. *Journal of Statistical Software*, 36(3). <https://doi.org/10.18637/jss.v036.i03>
- Vollebergh, W. (2003). *Psychische stoornissen in Nederland: Overzicht van de resultaten van NEMESIS*. Trimbos-instituut.
- Vos, T., Abajobir, A. A., Abate, K. H., Abbafati, C., Abbas, K. M., Abd-Allah, F., Abdulkader, R. S., Abdule, A. M., Abebo, T. A., Abera, S. F. others. (2017). Global, regional, and national incidence, prevalence, and years lived with disability for 328 diseases and injuries for 195 countries, 1990–2016: A systematic analysis for the Global Burden of Disease Study 2016. *The Lancet*, 390(10100), 1211–1259. [https://doi.org/10.1016/s0140-6736\(17\)32154-2](https://doi.org/10.1016/s0140-6736(17)32154-2)
- Wahlbeck, K., Forsén, T., Osmond, C., Barker, D. J. P., & Eriksson, J. G. (2001). Association of schizophrenia with low maternal body mass index, small size at birth, and thinness during childhood. *Archives of General Psychiatry*, 58(1), 48. <https://doi.org/10.1001/archpsyc.58.1.48>
- Walker, E. F., & Diforio, D. (1997). Schizophrenia: A neural diathesis-stress model. *Psychological Review*, 104(4), 667–685. <https://doi.org/10.1037/0033-295x.104.4.667>
- Weiser, M., Werbeloff, N., Dohrenwend, B. P., Levav, I., Yoffe, R., & Davidson, M. (2012). Do psychiatric registries include all persons with schizophrenia in the general population? A population-based longitudinal study. *Schizophrenia Research*, 135(1-3), 187–191. <https://doi.org/10.1016/j.schres.2011.12.023>
- Weiser, M., Werbeloff, N., Vishna, T., Yoffe, R., Lubin, G., Shmushkevitch, M., & Davidson, M. (2007). Elaboration on immigration and risk for schizophrenia. *Psychological Medicine*, 38(8), 1113–1119. <https://doi.org/10.1017/s003329170700205x>
- Whiteford, H. A., Degenhardt, L., Rehm, J., Baxter, A. J., Ferrari, A. J., Erskine, H. E., Charlson, F. J., Norman, R. E., Flaxman, A. D., Johns, N., Burstein, R., Murray, C. J., & Vos, T. (2013). Global burden of disease attributable to mental and substance use disorders: Findings from the Global Burden of Disease Study 2010. *The Lancet*, 382(9904), 1575–1586. [https://doi.org/10.1016/s0140-6736\(13\)61611-6](https://doi.org/10.1016/s0140-6736(13)61611-6)

- Wing, J. K. (1990). SCAN: Schedules for clinical assessment in neuropsychiatry. *Archives of General Psychiatry*, 47(6), 589. <https://doi.org/10.1001/archpsyc.1990.01810180089012>
- Wing, J. K. (1974). *Measurement and classification of psychiatric symptoms; an instruction manual for the PSE and catego program*. Cambridge University Press.
- Wit, M. A. S. de, Tuinebreijer, W. C., Brussel, G. H. A. van, & Selten, J.-P. (2010). Ethnic differences in risk of acute compulsory admission in Amsterdam, 1996–2005. *Social Psychiatry and Psychiatric Epidemiology*, 47(1), 111–118. <https://doi.org/10.1007/s00127-010-0312-1>
- World Health Organization. (2001). *The World Health Report 2001*. World Health Organization.
- Yung, A. R., Buckby, J. A., Cotton, S. M., Cosgrave, E. M., Killackey, E. J., Stanford, C., Godfrey, K., & McGorry, P. D. (2005). Psychotic-like experiences in nonpsychotic help-seekers: Associations with distress, depression, and disability. *Schizophrenia Bulletin*, 32(2), 352–359. <https://doi.org/10.1093/schbul/sbj018>
- Yung, A. R., Phillips, L. J., Nelson, B., Francey, S. M., Yuen, H. P., Simmons, M. B., Ross, M. L., Kelly, D., Baker, K., Amminger, G. P., Berger, G., Thompson, A. D., Thampi, A., & McGorry, P. D. (2010). Randomized controlled trial of interventions for young people at ultra high risk for psychosis. *The Journal of Clinical Psychiatry*, 72(04), 430–440. <https://doi.org/10.4088/jcp.08m04979ora>
- Yung, A. R., Yung, A. R., Yuen, H. P., McGorry, P. D., Phillips, L. J., Kelly, D., Dellolio, M., Francey, S. M., Cosgrave, E. M., Killackey, E., Stanford, C., Godfrey, K., & Buckby, J. (2005). Mapping the onset of psychosis: The comprehensive assessment of at-risk mental states. *Australian & New Zealand Journal of Psychiatry*, 39(11-12), 964–971. <https://doi.org/10.1080/j.1440-1614.2005.01714.x>
- Zandi, T., Havenaar, J. M., Smits, M., Limburg-Okken, A. G., Es, H. van, Cahn, W., Algra, A., Kahn, R. S., & Brink, W. van den. (2010). First contact incidence of psychotic disorders among native Dutch and Moroccan immigrants in the Netherlands: Influence of diagnostic bias. *Schizophrenia Research*, 119(1-3), 27–33. <https://doi.org/10.1016/j.schres.2010.02.1059>
- Zubin, J., & Spring, B. (1977). Vulnerability: A new view of schizophrenia. *Journal of Abnormal Psychology*, 86(2), 103–126. <https://doi.org/10.1037/0021-843x.86.2.103>