



Psychiatric Epidemiology
Dr. William W. Eaton

Textbook

Tsuang MT & Tohen M. Textbook in Psychiatric Epidemiology. 2nd ed. New York, Wiley-Liss, 2002.

Available online at: <http://www3.interscience.wiley.com/cgi-bin/booktoc/104527540>

Session 1

Topic: Introduction, Nosology, and History of Psychiatric Epidemiology

Assigned Readings:

Diagnostic and Statistical Manual of Mental Disorders (DSM-IV). 4th ed. Washington, DC, APA

Introduction, XV-XXV.

Use of the manual, 1-11.

Multiaxial Assessment, 25-35.

Available online at: <http://online.statref.com/TOC.aspx?grpalias=JHU&FxId=37>

Recommended Additional Readings:

- Diagnostic and Statistical Manual of Mental Disorders (DSM-IV). 4th ed. Washington, DC, APA.
- Choose any other single chapter on mental disorders.

Session 2

Topic: Measurement of Psychopathology in Populations

Assigned Readings:

Tsuang, M.T.& Cohen, M. (2002). Textbook in Psychiatric Epidemiology. 2nd ed. Wiley-Liss.

Ch12. Murphy JM. Symptom scales and diagnostic schedules in adult psychiatry. 273-332.

Recommended Additional Readings: Choose one

Tsuang, M.T.& Cohen, M. (2002). Textbook in Psychiatric Epidemiology. 2nd ed. Wiley-Liss.

- Ch 9. Eaton, WW. Studying the Natural History of Psychopathology. 215-238.
- Ch 11. Robins, LN. Birth and development of psychiatric interviews. 257-272.
- Ch 14. Kessler RC and Walters E. The National Comorbidity Survey. 343-362.

Session 3

Topic: Epidemiology of Anxiety Disorders

Assigned Readings:

Tsuang, M.T.& Cohen, M. (2002). Textbook in Psychiatric Epidemiology. 2nd ed. Wiley-Liss.

Ch16. Horwath E, Cohen RS, Weissman MM. Epidemiology of depressive and anxiety disorders. 389-426

Recommended Additional Readings: Choose one

- Eaton, W.W. (1995) Progress in the epidemiology of anxiety disorders. *Epidemiologic Reviews*, 17,32-38.
- Eaton, W.W., Kessler, R.C., Wittchen, H.-U., & Magee, W.J. (1994). Panic and panic disorder in the United States. *American Journal of Psychiatry*, 151:413-420.
- Magee, William J.; Eaton, William W.; Wittchen, Hans-Ulrich; McGonagle, Katherine, and Kessler, Ronald (1996). Agoraphobia, simple phobia, and social phobia in the national comorbidity survey. *Arch Gen Psychiatry*. 53:159-168.

Session 4

Topic: Epidemiology of PTSD

Assigned Readings:

Breslau, N., Kessler, R.C., Chilcoat, H.D., Schultz, L.R., Davis, G.C., & Andreski, P. (1998) Trauma and posttraumatic stress disorder in the community. *Archives of General Psychiatry*, 55, 626-632.

Recommended Additional Readings: Choose one

- Galea S, Vlahov D, Resnick H, Ahern J, Susser E, Gold J, Bucuvalas M, Kilpatrick D (2003). Trends of probable post-traumatic stress disorder in New York City after the September 11 terrorist attacks. *American J of Epidemiology*, 158(6):514-24.
- Cao H, McFarlane AC, Klimidis S (2003). Prevalence of psychiatric disorder following the 1988 Yun Nan (China) earthquake--the first 5-month period. *Social Psychiatry and Psychiatric Epidemiology*, 38(4):204-12.
- Kessler, R.C., Sonnega, A., Bromet, E., Hughes, M., Nelson, C.B. (1995) Posttraumatic stress disorder in the National Comorbidity Survey, *Archives of General Psychiatry*, 52, 1995

Session 5

Topic: Epidemiology of Mood Disorders—I

Assigned Readings: (for both Mood disorders- I&II)

Tsuang, M.T.& Cohen, M. (2002). *Textbook in Psychiatric Epidemiology*. 2nd ed. Wiley-Liss.

Ch16. Horwath E, Cohen RS, Weissman MM. Epidemiology of depressive and anxiety disorders. 389-426.

Recommended Additional Readings: Choose two

- Burvill, P.W. (1995). Recent progress in the epidemiology of major depression. *Epidemiologic Reviews*, 17, 21-31.
- Brown, G. (2002). Social roles, context and evolution in the origins of depression. *Journal of Health and Social Behavior*, 43, 255-276.
- Eaton, W.W., Anthony, J.C., Gallo, J., Cai, G., Tien, A., Romanoski, A., Lyketsos, C., & Chen, L.-S. (1997). Natural history of DIS/DSM major depression: The Baltimore ECA Followup. *Archives of General Psychiatry*, 993-999.

- Egeland, J. (1986). Cultural factors and social stigma for manic-depression: the Amish study. *The American Journal of Social Psychiatry*, 4, 279-286.
- Kessler, R.C., Berglund, P., Demler, O., Jin, R., Koretz, D., Merikangas, K., Rush, A.J., Walters, E.E., Wang, P.S. (2003) The Epidemiology of Major Depressive Disorder: Results from the National Comorbidity Survey Replication (NCS-R), *JAMA*, 289, 3095-3105.

Session 6

Topic: Epidemiology of Mood Disorders—II

Readings are included under session I

Session 7

Topic: Genetic Epidemiology of Psychiatric Disorders

Assigned Readings:

- Merikangas, K.R., & Swendsen, J. (1997). The genetic epidemiology of psychiatric disorders. *Epidemiologic Reviews*, 19, 144-155.

Recommended Additional Readings: Choose one

- Pulver, A. (2000) Search for schizophrenia susceptibility genes, *Biological Psychiatry*, 47, 221-230.
- Payne, J.L., Potash, J., DePaulo, J.R., (2005) Recent findings on the genetic basis of bipolar disorder, *Psychiatric Clinics of North America*, 28, 481-498
- Kendler, Kenneth; Heath, Andrew; Martin, Nicholas, and Eaves, Lindon. Symptoms of Anxiety and Symptoms of Depression - Same Genes, Different Environments? *Archives of General Psychiatry*. 1987; 44:451-457.
- Couteur, Ann Le; Bailey, Anthony; Goode, Susan; Pickles, Andrew; Robertson, Sarah; Gottesman, Irving, and Rutter, Michael. A broader phenotype of autism: the clinical spectrum in twins. *Journal of Child Psychiatry and Psychology*. 1996; 37(7):785-801.

Session 8

Topic: Epidemiology of Disorders in Children

Assigned Readings:

Tsuang, M.T.& Cohen, M. (2002). *Textbook in Psychiatric Epidemiology*. 2nd ed. Wiley-Liss.

Ch.23. Buka, SL, Monuteaux, M. Earls, F. The epidemiology of child and adolescent mental disorders. 629-656

Recommended Additional Readings: Choose one

- Ch 24. Merikangas, KR, Avenevoli, S. Epidemiology of mood and anxiety disorders in children and adolescents. 657-704
- Roberts, R.E., Attkisson, C. C., & Rosenblatt, A. (1998). Prevalence of psychopathology among children and adolescents. *American Journal of Psychiatry*, 155: 715-725.
- Costello, E.J., Compton, S.N., Keeler, G., Angold, A. (2003) Relationships between poverty and psychopathology: a natural experiment, *JAMA*, 290, 2023-2029.

- Leaf, P., Alegria, M., Cohen, P., Goodman, S., Horwitz, S., Hoven, C., Narrow, W., Vaden- Kiernan, M., Regier, D. (year?) Mental Health Service Use in the Community and Schools: Results from the Four-Community MECA Study. *Journal of the American Academy of Child and Adolescent Psychiatry*, 35(7), 889-897.

Session 9

Topic: Autism

Assigned Readings:

Newschaffer, C.J., Fallin, D. & Lee, N.L. (2002). Heritable and Non-heritable risk factors for Autism Spectrum Disorders. *Epidemiologic Reviews*, 24, 137-153.

Recommended Additional Readings: Choose one

- Fombonne, E. (1999). The epidemiology of autism: a review. *Psychological Medicine*, 29, 769-786.
- Larsson , Heidi Jeanet; Eaton, William W.; Madsen, Kreesten Meldgaard; Vestergaard, Mogens; Olesen, Anne Vingaard; Agerbo, Esben; Schendel, Diana; Thorsen, Poul, and Mortensen, Preben Bo. Risk factors for autism: perinatal factors, parental psychiatric history, and socioeconomic status. *American Journal of Epidemiology*. 2005; 161(10):916-925.
- Rodier, Patricia M. The early origins of autism. *Scientific American*. 2000; 282(February):56-63.
- Lawler, C.P., Croen, L.A., Grether, J.K, Van de Water, J. (2004) Identifying environmental contributions to autism: provocative clues and false leads. *Ment Retard Dev Disabil Res Rev*. 2004;10(4):292-302.

Session 10

Topic: Epidemiology of Dementia

Assigned Readings:

Kukull, W.A., & Ganguli, M. (2000). Epidemiology of dementia: Concepts and overview. *Neurologic Clinics*, 18, 923-949.

Recommended Additional Readings: Choose one

- Tsuang, M.T. & Cohen, M. (2002). Textbook in Psychiatric Epidemiology. 2nd. Ed. Wiley-Liss. Ch22. Hybels, CF. Blazer, DG. Epidemiology and Geriatric Psychiatry. 603-628.
- Brookmeyer, R., Gray, S., & Kawas, C. (1998). Projections of Alzheimer's disease in the United States and the public health impact of delaying disease onset. *American Journal of Public Health*, 88, 1337-1342.
- Miech, R.A., Breitner, J.C., Zandi, P.P., Khachaturian, A.S., Anthony, J.C., & Mayer, L. (2002). Incidence of AD may decline in the early 90s for men, later for women: The Cache County study. *Neurology*, 22, 209-218.
- Kukull, W.A., Higdon, R., Bowen, J.D. et al. (2002). Dementia and Alzheimer disease incidence: A prospective cohort study. *Archives of Neurology*, 59, 1737-174.

Session 11

Topic: Epidemiology of Psychosis—I

Assigned Readings (for both Psychosis I & II lectures):

Tsuang, M.T. & Cohen, M. (2002). Textbook in Psychiatric Epidemiology. 2nd. Ed. Wiley-Liss.

Ch15. Bromet EJ, Dew MA, Eaton WW. Epidemiology of psychosis with special reference to schizophrenia. 365-387.

Ch17. Tohen M, Angst, J. Epidemiology of Bipolar Disorder, 427-444

Recommended Additional Readings: Choose two

- Bebbington, P., & Ramana, R. (1995). Epidemiology of Bipolar Disorder. *Social Psychiatry and Psychiatric Epidemiology*, 30, 279-292.
- Mortensen, P.B., Pedersen, C.B., Westergaard, T., Wohlfahrt, J., Ewald, H., Mors, O., Andersen, P.K., & Melbye, M. (1999). Familial and non-familial risk factors for schizophrenia: a population-based study. *New England Journal of Medicine*, 340, 603-608.
- Eaton, W.W., Harrison, G. (2001) Life chances, life planning, and schizophrenia: a review and interpretation of research on social deprivation, *International Journal of Mental Health*, 30, 58-81.
- Suddath, R.L., Christian, G.W., Torrey, E.F., Casanova, M.F., & Weinberger, D.R. (1990). Anatomical abnormalities in the brains of monozygotic twins discordant for schizophrenia. *New England Journal of Medicine*, 322, 789-794.
- Cannon, M., Caspi, A., Moffitt, T.E., et al. Evidence for early-childhood, pan-developmental impairment specific to schizophreniform disorder: results from a longitudinal birth cohort. *Archives of General Psychiatry* 59, 449-456, 2002.
- McGrath, J, Saha, S., Welham, J., Chant, D. (2005) Review of the prevalence and incidence of schizophrenia, <http://www.qcmhr.uq.edu.au/epi/>.
- Lloyd, T., Kennedy, N., Fearon, P., Kirkbride, J., Mallett, R., Leff, J., Holloway, J., Harrison, G., Morgan, K., Murray, R.M., Jones, P.B., on behalf of the Aesop Study Team. (2005) Incidence of bipolar affective disorder in three U.K. cities: Results from the AESOP study, *British Journal of Psychiatry*, 186, 126-131.
- Mortensen, P.B., Pedersen, C.B., Melbye, M., Mors, O., Ewald, H. (2003) Individual and familial risk factors of bipolar I disorder, *Archives of General Psychiatry*, 60, 1209-1215.

Session 12**Topic: Epidemiology of Psychosis—II**

Readings are listed under session I

Session 13**Topic: Epidemiology of Personality Disorders****Assigned Readings:**

Tsuang, M.T. & Cohen, M. (2002). Textbook in Psychiatric Epidemiology. 2nd. Ed. Wiley-Liss. Ch21. Lyons, MJ. Jerskey, BA. Personality Disorders: epidemiological findings, methods, and concepts. 563-599.

Recommended Additional Readings: Choose one



- Samuels, J., Eaton, WW, Bienvenu, OJ, Brown, CH, Costa, PT, Nestadt, G. (2002) Prevalence and correlates of personality disorders in the community, *British Journal of Psychiatry*, 180, 536-42, 2002.

Session 15

Topic: Summary, Review, and Discussion

Assigned Readings:

Henderson, S. (2000) *Epidemiology of Mental Disorders: The current agenda*, *Epidemiologic Reviews*, 22, 24-28.

Eaton, W.W., and Merikangas, K.R. (2000) *Psychiatric Epidemiology: Progress and Prospects in the year 2000*, *Epidemiologic Reviews*, 22, 29-34.