

## REFERENCES

- Alexander, David A. 2005. "Early Mental Health Intervention after Disasters." *Advances in Psychiatric Treatment* 11 (1): 12–18.  
<https://doi.org/10.1192/apt.11.1.12>.
- American Psychiatric Association (APA). 2018. "What Is Mental Illness?" 2018.  
<https://psychiatry.org/patients-families/what-is-mental-illness#:~:text=Mental%20illnesses%20are%20health%20conditions,nothing%20o%20be%20ashamed%20of>.
- Arouri, Mohamed, Cuong Nguyen, and Adel ben Youssef. 2015. "Natural Disasters, Household Welfare, and Resilience: Evidence from Rural Vietnam." *World Development* 70 (June): 59–77. <https://doi.org/10.1016/j.worlddev.2014.12.017>.
- Badan Pusat Statistik (BPS). 2021. "Kabupaten Sleman Dalam Angka 2021," no. BPS-Statistics of Sleman Regency.
- Baez, Javier Eduardo, and Andrew Mason. 2008. "Dealing with Climate Change: Household Risk Management and Adaptation in Latin America." *SSRN Electronic Journal*. <https://doi.org/10.2139/ssrn.1320666>.
- Baez, Javier, and Alejandro de La Fuente. 2010. "Do Natural Disasters Affect Human Capital? An Assessment Based on Existing Empirical Evidence."
- Bakkour, Darine, Geoffroy Enjolras, Jean-Claude Thouret, Robert Kast, Estuning Tyas Wulan Mei, and Budi Prihatminingtyas. 2015. "The Adaptive Governance of Natural Disaster Systems: Insights from the 2010 Mount Merapi Eruption in Indonesia." *International Journal of Disaster Risk Reduction* 13: 167–88.  
<https://doi.org/https://doi.org/10.1016/j.ijdr.2015.05.006>.
- Baryshnikova, Nadezhda, and Ngoc Pham. 2018. "Heterogeneity in the Relationship between Natural Disasters and Mental Health: A Quantile Approach." School of Economics Working Papers. University of Adelaide, School of Economics.  
<https://EconPapers.repec.org/RePEc:adl:wpaper:2018-13>.
- Baser, Onur. 2006. "Too Much Ado about Propensity Scores Models? Comparing Methods of Propensity Scores Matching." *Value in Health* 9 (6): 377–85.  
<https://doi.org/10.1111/j.1524-4733.2006.00130.x>.
- Becker, Sascha O. 2002. "Estimation of Average Treatment Effects Based on Propensity Scores." *The Stata Journal*. Vol. 2.
- Brata, Aloysius G, Piet Rietveld, Henri L F de Groot, Budy P Resosudarmo, and Wouter Zant. 2014. "Working Papers in Trade and Development Living with the Merapi Volcano: Risks and Disaster Microinsurance."  
<http://www.crawford.anu.edu.au/acde/publications/>.



- Caliendo, Marco, and Sabine Kopeinig. 2008. "SOME PRACTICAL GUIDANCE FOR THE IMPLEMENTATION OF PROPENSITY SCORES MATCHING." *Journal of Economic Surveys* 22 (1): 31–72. <https://doi.org/10.1111/j.1467-6419.2007.00527.x>.
- Carroll, Nick, Paul Frijters, and Michael A. Shields. 2009. "Quantifying the Costs of Drought: New Evidence from Life Satisfaction Data." *Journal of Population Economics* 22 (2): 445–61. <https://doi.org/10.1007/s00148-007-0174-3>.
- Christmann, Gabriela B, and Oliver Ibert. 2012. "Vulnerability and Resilience in a Socio-Spatial Perspective." *Raumforschung Und Raumordnung | Spatial Research and Planning* 70 (4): 259–72. <https://doi.org/doi:10.1007/s13147-012-0171-1>.
- C.J. van Westen. n.d. "Introduction to Exposure, Vulnerability, and Risk Assessment." In *Caribbean Handbook on Risk Information Management*.
- Cohen, Sheldon, and Thomas A. Wills. 1985. "Stress, Social Support, and the Buffering Hypothesis." *Psychological Bulletin* 98 (2): 310–57. <https://doi.org/10.1037/0033-2909.98.2.310>.
- Cornaglia, Francesca, Elena Crivellaro, and Sandra McNally. 2015. "Mental Health and Education Decisions." *Labour Economics* 33 (April): 1–12. <https://doi.org/10.1016/j.labeco.2015.01.005>.
- Dartanto, Teguh. 2022. "Natural Disasters, Mitigation and Household Welfare in Indonesia: Evidence from a Large-Scale Longitudinal Survey." *Cogent Economics & Finance* 10 (1). <https://doi.org/10.1080/23322039.2022.2037250>.
- Das, Jishnu, Quy-Toan Do, Jed Friedman, and David McKenzie. 2009. "Mental Health Patterns and Consequences." *World Bank Economic Review* 23 (1): 31–55. <https://doi.org/10.1093/wber/lhn010>.
- Dawes, Nathan, Richard .C. Franklin, Lachlan McIver, and Jimmy Obed. 2019. "General and Post-Disaster Mental Health Servicing in Vanuatu: A Qualitative Analysis." *International Journal of Disaster Risk Reduction* 40 (November): 101256. <https://doi.org/10.1016/j.ijdrr.2019.101256>.
- Dyster-Aas, Johan, Filip K Arnberg, Anna Lindam, Kerstin Bergh Johannesson, Tom Lundin, and Per-Olof Michel. 2012. "Impact of Physical Injury on Mental Health after the 2004 Southeast Asia Tsunami." *Nordic Journal of Psychiatry* 66 (3): 203–8. <https://doi.org/10.3109/08039488.2011.621975>.
- Edwards, Ben, Matthew Gray, and Judith Borja. 2021. "The Influence of Natural Disasters on Violence, Mental Health, Food Insecurity, and Stunting in the Philippines: Findings from a Nationally Representative Cohort." *SSM - Population Health* 15 (September). <https://doi.org/10.1016/j.ssmph.2021.100825>.



- Edwards, Ben, Matthew Gray, and Boyd Hunter. 2015. "The Impact of Drought on Mental Health in Rural and Regional Australia." *Social Indicators Research* 121 (1): 177–94. <https://doi.org/10.1007/s11205-014-0638-2>.
- French, Clare E., Thomas D. Waite, Ben Armstrong, G. James Rubin, Charles R. Beck, and Isabel Oliver. 2019. "Impact of Repeat Flooding on Mental Health and Health-Related Quality of Life: A Cross-Sectional Analysis of the English National Study of Flooding and Health." *BMJ Open* 9 (11). <https://doi.org/10.1136/bmjopen-2019-031562>.
- Fujimori, Tatsuo, and Tetsushi Omori. 2012. "Recurring Natural Disaster and PTSD among Survivor." *Japanese Journal Oof Applied Psychology*.
- Gissurardóttir, Ólöf Sunna, Heidrun Hlodversdóttir, Edda Bjork Thordardóttir, Guðrún Pétursdóttir, and Arna Hauksdóttir. 2019. "Mental Health Effects Following the Eruption in Eyjafjallajökull Volcano in Iceland: A Population-Based Study." *Scandinavian Journal of Public Health* 47 (2): 251–59. <https://doi.org/10.1177/1403494817751327>.
- Goldberg, D. P., R. Gater, N. Sartorius, T. B. Ustun, M. Piccinelli, O. Gureje, And C. Rutter. 1997. "The Validity of Two Versions of the GHQ in the WHO Study of Mental Illness in General Health Care." *Psychological Medicine* 27 (1): 191–97. <https://doi.org/10.1017/S0033291796004242>.
- Hankins, Matthew. 2008. "The Reliability of the Twelve-Item General Health Questionnaire (GHQ-12) under Realistic Assumptions." *BMC Public Health* 8 (1): 355. <https://doi.org/10.1186/1471-2458-8-355>.
- Heckman, J. J., H. Ichimura, and P. E. Todd. 1997. "Matching As An Econometric Evaluation Estimator: Evidence from Evaluating a Job Training Programme." *The Review of Economic Studies* 64 (4): 605–54. <https://doi.org/10.2307/2971733>.
- Johar, Meliyanni, David W. Johnston, Michael A. Shields, Peter Siminski, and Olena Stavrunova. 2022. "The Economic Impacts of Direct Natural Disaster Exposure." *Journal of Economic Behavior & Organization* 196 (April): 26–39. <https://doi.org/10.1016/j.jebo.2022.01.023>.
- Jousset, Philippe, John Pallister, and Surono. 2013. "The 2010 Eruption of Merapi Volcano." *Journal of Volcanology and Geothermal Research* 261: 1–6. <https://doi.org/https://doi.org/10.1016/j.jvolgeores.2013.05.008>.
- Kimball, Miles, Helen Levy, Fumio Ohtake, and Yoshiro Tsutsui. 2006. "Unhappiness after Hurricane Katrina." Cambridge, MA. <https://doi.org/10.3386/w12062>.
- Kino, Shiho, Jun Aida, Katsunori Kondo, and Ichiro Kawachi. 2021. "Persistent Mental Health Impacts of Disaster. Five-Year Follow-up after the 2011 Great East



- Japan Earthquake and Tsunami: Iwanuma Study.” *Journal of Psychiatric Research* 136 (April): 452–59. <https://doi.org/10.1016/j.jpsychires.2020.08.016>.
- Kurosaki, Takashi. 2015. “Vulnerability of Household Consumption to Floods and Droughts in Developing Countries: Evidence from Pakistan.” *Environment and Development Economics* 20 (2): 209–35. <https://doi.org/10.1017/S1355770X14000357>.
- Lavigne, F, J C Thouret, B Voight, H Suwa, and A Sumaryono. 2000. “Lahars at Merapi Volcano, Central Java: An Overview.” *Journal of Volcanology and Geothermal Research* 100 (1): 423–56. [https://doi.org/https://doi.org/10.1016/S0377-0273\(00\)00150-5](https://doi.org/https://doi.org/10.1016/S0377-0273(00)00150-5).
- Lavigne, Franck, Benjamin Coster, Nancy Juvin, François Flohic, Jean-Christophe Gaillard, Texier Pauline, Julie Morin, and Sartohadi Junun. 2008. “People’s Behaviour in the Face of Volcanic Hazards: Perspectives from Javanese Communities, Indonesia.” *Journal of Volcanology and Geothermal Research* 172 (May): 273–87. <https://doi.org/10.1016/j.jvolgeores.2007.12.013>.
- Liang, Ying, Lei Wang, and Xican Yin. 2016. “The Factor Structure of the 12-Item General Health Questionnaire (GHQ-12) in Young Chinese Civil Servants.” *Health and Quality of Life Outcomes* 14 (1): 136. <https://doi.org/10.1186/s12955-016-0539-y>.
- Lu, Yao. 2010. “Mental Health and Risk Behaviours of Rural Urban Migrants: Longitudinal Evidence from Indonesia.” *Population Studies* 64 (2): 147–63. <https://doi.org/10.1080/00324721003734100>.
- Lowe, Sarah R., Spruha Joshi, Robert H. Pietrzak, Sandro Galea, and Magdalena Cerdá. 2015. “Mental Health and General Wellness in the Aftermath of Hurricane Ike.” *Social Science and Medicine* 124 (January): 162e170-170. <https://doi.org/10.1016/j.socscimed.2014.11.032>.
- Masozera, Michel, Melissa Bailey, and Charles Kerchner. 2007. “Distribution of Impacts of Natural Disasters across Income Groups: A Case Study of New Orleans.” *Ecological Economics* 63 (2–3): 299–306. <https://doi.org/10.1016/j.ecolecon.2006.06.013>.
- Mei, Estuning Tyas Wulan, Franck Lavigne, Adrien Picquout, Edouard de Bélizal, Daniel Brunstein, Delphine Grancher, Junun Sartohadi, Noer Cholikh, and Céline Vidal. 2013. “Lessons Learned from the 2010 Evacuations at Merapi Volcano.” *Journal of Volcanology and Geothermal Research* 261 (July): 348–65. <https://doi.org/10.1016/j.jvolgeores.2013.03.010>.
- Muir, Jonathan A., Michael R. Cope, Leslie R. Angeningsih, and Jorden E. Jackson. 2020. “To Move Home or Move on? Investigating the Impact of Recovery Aid on Migration Status as a Potential Tool for Disaster Risk Reduction in the Aftermath



- of Volcanic Eruptions in Merapi, Indonesia.” *International Journal of Disaster Risk Reduction* 46 (June). <https://doi.org/10.1016/j.ijdr.2020.101478>.
- Norris, Fran H, and Leslie H Wind. 2012. “The Experience of Disaster: Trauma, Loss, Adversities, and Community Effects.” In *Mental Health and Disasters.*, 29–44. New York, NY, US: Cambridge University Press.
- OHTA, YASUYUKI, KEN-ICHI ARAKI, NAOMI KAWASAKI, YOSHIBUMI NAKANE, SUMIHISA HONDA, And MARIKO MINE. 1998. “Psychological Trauma and Longitudinal Course of Psychiatric Problems among Evacuees of a Volcanic Eruption.” *Psychiatry and Clinical Neurosciences* 52 (S1): S1–8. <https://doi.org/10.1046/j.1440-1819.1998.0520s1S41.x>.
- Ohta, Yasuyuki, Kenichi Araki, Naomi Kawasaki, Yoshibumi Nakane, Sumihisa Honda, and Mariko Mine. 2003. “Psychological Distress among Evacuees of a Volcanic Eruption in Japan: A Follow-up Study.” *Regular Article Psychiatry and Clinical Neurosciences* 57: 105–11. <https://doi.org/10.1046/j.1323-1316.2002.01086.x>.
- Ohta, Yasuyuki, Naomi Kawasaki, Kenichi Araki, Mariko Mine, and Sumihisa Honda. 1995. “The Factor Structure of the General Health Questionnaire (GHQ-30) in Japanese Middle-Aged and Elderly Residents.” *International Journal of Social Psychiatry* 41 (4): 268–75. <https://doi.org/10.1177/002076409504100404>.
- Rosenbaum, Paul R., and Donald B. Rubin. 1983. “The Central Role of the Propensity Scores in Observational Studies for Causal Effects.” *Biometrika* 70 (1): 41. <https://doi.org/10.2307/2335942>.
- Sánchez-López, María del Pilar, and Virginia Dresch. 2008. “The 12-Item General Health Questionnaire (GHQ-12): Reliability, External Validity and Factor Structure in the Spanish Population.” *Psicothema* 20 (4): 839–43.
- Sasaki, Yuri, Jun Aida, Taishi Tsuji, Yasuhiro Miyaguni, Yukako Tani, Shihoko Koyama, Yusuke Matsuyama, et al. 2018. “Does Type of Residential Housing Matter for Depressive Symptoms in the Aftermath of a Disaster? Insights From the Great East Japan Earthquake and Tsunami.” *American Journal of Epidemiology* 187 (3): 455–64. <https://doi.org/10.1093/aje/kwx274>.
- Shore, James H, Ellie L Tatum, and William M Vollmer. 1986. “Evaluation of Mental Effects of Disaster, Mount St. Helens Eruption.”
- Tampubolon, Gindo, and Wulung Hanandita. 2014. “Poverty and Mental Health in Indonesia.” *Social Science and Medicine* 106: 20–27. <https://doi.org/10.1016/j.socscimed.2014.01.012>.
- Tsuboya, Toru, Jun Aida, Hiroyuki Hikichi, S.V. Subramanian, Katsunori Kondo, Ken Osaka, and Ichiro Kawachi. 2016. “Predictors of Depressive Symptoms Following



- the Great East Japan Earthquake: A Prospective Study.” *Social Science & Medicine* 161 (July): 47–54. <https://doi.org/10.1016/j.socscimed.2016.05.026>.
- The Indonesian National Board for Disaster Management (BNPB). 2011. *Rencana Aksi Rehabilitasi Dan Rekonstruksi Wilayah Pascabencana Erupsi Gunung Merapi Di Prov.DIY Dan Prov.Jateng Tahun 2011-2013*.
- Thouret, J.-C., F. Lavigne, K. Kelfoun, and S. Bronto. 2000. “Toward a Revised Hazard Assessment at Merapi Volcano, Central Java.” *Journal of Volcanology and Geothermal Research* 100 (1–4): 479–502. [https://doi.org/10.1016/S0377-0273\(00\)00152-9](https://doi.org/10.1016/S0377-0273(00)00152-9).
- Wang, Qiao, and Hongtao Yi. 2021. “New Energy Demonstration Program and China’s Urban Green Economic Growth: Do Regional Characteristics Make a Difference?” *Energy Policy* 151 (April): 112161. <https://doi.org/10.1016/j.enpol.2021.112161>.
- Warsini, Sri, Petra Buettner, Jane Mills, Caryn West, and Kim Usher. 2014. “The Psychosocial Impact of the Environmental Damage Caused by the MT Merapi Eruption on Survivors in Indonesia.” *EcoHealth* 11 (4): 491–501. <https://doi.org/10.1007/s10393-014-0937-8>.
- . 2021. “Post-Traumatic Stress Disorder among Survivors Two Years after the 2010 Mount Merapi Volcano Eruption: A Survey Study.” *Nursing & Health Sciences* 17 (2): 173–80. <https://doi.org/https://doi.org/10.1111/nhs.12152>.
- Wilson, T. M. (Thomas McDonald), and GNS Science (N.Z.). 2007. *Impacts of the 2006 Eruption of Merapi Volcano, Indonesia, on Agriculture and Infrastructure*. Institute of Geological and Nuclear Sciences.
- Wind, Tim R., Pooran C. Joshi, Rolf J. Kleber, and Ivan H. Komproe. 2013. “The Impact of Recurrent Disasters on Mental Health: A Study on Seasonal Floods in Northern India.” *Prehospital and Disaster Medicine* 28 (3): 279–85. <https://doi.org/10.1017/S1049023X13000290>.
- Westen, C.J. van. n.d. “Introduction to Exposure, Vulnerability, and Risk Assessment.” In *Caribbean Handbook on Risk Information Management*. Caribbean Handbook on Risk Information Management. Accessed July 9, 2022. <https://www.cdema.org/virtuallibrary/index.php/charim-hbook/methodology/5-risk-assessment/5-3-vulnerability>.
- World Health Organization (WHO). 2018. “Mental Health: Strengthening Our Response.” March 2018. <https://www.who.int/news-room/fact-sheets/detail/mental-health-strengthening-our-response>.
- Yokoyama, Yukari, Kotaro Otsuka, Norito Kawakami, Seiichiro Kobayashi, Akira Ogawa, Kozo Tannno, Toshiyuki Onoda, Yumi Yaegashi, and Kiyomi Sakata.



2014. "Mental Health and Related Factors after the Great East Japan Earthquake and Tsunami." *PLoS ONE* 9 (7): e102497.  
<https://doi.org/10.1371/journal.pone.0102497>.

Zhang, Rui, Yunzhi Zhang, and Zhe Dai. 2022. "Impact of Natural Disasters on Mental Health: A Cross-Sectional Study Based on the 2014 China Family Panel Survey." *International Journal of Environmental Research and Public Health* 19 (5): 2511.  
<https://doi.org/10.3390/ijerph19052511>.

Zhang, Yixiang, Juan Li, and Wenwen Tao. 2021. "Does Energy Efficiency Affect Appliance Prices? Empirical Analysis of Air Conditioners in China Based on Propensity Scores Matching." *Energy Economics* 101 (September): 105435.  
<https://doi.org/10.1016/j.eneco.2021.105435>.