

PUBLICATIONS

PEER-REVIEWED PAPERS

1. Guo Y, Gasparrini A, Armstrong BG, Tawatsupa B, Tobias A, Lavigne E, Coelho MS, Pan X, Kim H, [Hashizume M](#), Honda Y, Guo YL, Wu CF, Zanobetti A, Schwartz JD, Bell ML, Overcenco A, Punnasiri K, Li S, Tian L, Saldiva P, Williams G, Tong S. Temperature variability and mortality: a multi-country study. *Environ Health Perspect.* 2016;124(10):1554–1559.
2. Imai C, Barnett AG, [Hashizume M](#), Honda Y. The role of influenza in the delay between low temperature and ischemic heart disease: evidence from simulation and mortality data from Japan. *Int J Environ Res Public Health.* 2016;13(5):454. doi: 10.3390/ijerph13050454.
3. Choi Y, Tang CS, Mclver L, [Hashizume M](#), Chan V, Abeyasinghe RR, Iddings S, Huy R. Effects of weather factors on dengue fever incidence and implications for interventions in Cambodia. *BMC Public Health.* 2016;16:241.
4. Kim J, Kim JH, Cheong HK, Kim H, Honda Y, Ha M, [Hashizume M](#), Kolam J, Inape K. Effect of Climate Factors on the Childhood Pneumonia in Papua New Guinea: a Time-series Analysis. *Int. J. Environ. Res. Public Health* 2016;13(2):213. doi:10.3390/ijerph13020213
5. Nakamura T, [Hashizume M](#), Ueda K, Shimizu A, Takeuchi A, Kubo T, Hashimoto K, Moriuchi H, Odajima H, Kitajima T, Tashiro K, Tomimasu K, Nishiwaki Y. Asian dust and pediatric emergency visits due to bronchial asthma and respiratory diseases in Nagasaki, Japan. *J Epidemiol.* (in press)
6. Mclver L, Kim R, Woodward A, Hales S, Spickett J, Katscherian D, [Hashizume M](#), Honda Y, Kim H, Iddings S, Naicker J, Bambrick H, McMichael AJ, Ebi KL. Health impacts of climate change in Pacific island countries: A regional assessment of vulnerabilities and adaptation priorities. *Environ Health Perspect.* (in press)
7. Gasparrini A, Guo Y, [Hashizume M](#), Lavigne E, Tobias A, Zanobetti A, Schwartz JD, Tong S, Honda Y, Kim H, Armstrong BG. Changes in susceptibility to heat during the summer: a multi-country analysis. *Am J Epidemiol.* 2016;183(11):1027–36. doi: 10.1093/aje/kwv260.
8. Kim J, Shin J, Lim YH, Honda Y, [Hashizume M](#), Guo YL, Kan H, Yi S. Comprehensive Approach to Understand the Association between Diurnal Temperature Range and Mortality in East Asia. *Sci Total Environ.* 2016;539:313–321.
9. Lee H, Honda Y, [Hashizume M](#), Guo YL, Wu CF, Kan H, Jung K, Lim YH, Yi S, Kim H. Short-term exposure to fine and coarse particles and mortality: A multicity time-series study in East Asia. *Environ Pollut.* 2015;207:43–51.
10. Imai C, Armstrong B, Chalabi Z, Mangtani P, [Hashizume M](#). Time series regression model for infectious disease and weather. *Environ Res.* 2015;142:319–327.
11. [Hashizume M](#), Nakagomi T, Nakagomi O. An early detection of decline in rotavirus cases during the 2013/2014 season in Japan as revealed by time-series analysis of national surveillance data. *Trop Med Health.* 2015;43(3):177–181
12. Gasparrini A, Guo Y, [Hashizume M](#), Kinney P, Petkova EP, Lavigne E, Zanobetti A, Schwartz JD, Tobias A, Leone M, Tong S, Honda Y, Kim H, Armstrong BG. Temporal variation in heat-mortality associations: A multi-country study. *Environ Health Perspect.* 2015;123:1200–1207.
13. Gasparrini A, Guo Y, [Hashizume M](#), Lavigne E, Zanobetti A, Schwartz J, Tobias A, Tong S, Rocklov J, Forsberg B, Leone M, De Sario M, Bell ML, Guo YLL, Wu CF, Kan H, Yi SM, de Sousa Zanotti Stagliorio Coelho M, Saldiva PH, Honda Y, Kim H, Armstrong B. Mortality risk attributable to high and low ambient temperature: a multi-country study. *The Lancet.* 2015;386(9991):369–375.
14. Mclver L, [Hashizume M](#), Kim H, Honda Y, Pretrick M, Iddings S, Pavlin B. Assessment of climate-sensitive infectious diseases in the Federated States of Micronesia. *Trop Med Health* 2015;43(1):29–40.

15. Imai C, [Hashizume M](#)^{*}. Systematic review on methodology: time series regression analysis for environmental factors and infectious diseases. *Trop Med Health*. 2015;43(1):1–9.
16. Nakamura T, [Hashizume M](#), Ueda K, Kubo T, Shimizu A, Okamura T, Nishiwaki Y. The relationship between Asian dust events and out-of-hospital cardiac arrests in Japan. *J Epidemiol*. 2015;25(4):289–96.
17. Takahashi N, Nakao R, Ueda K, Ono M, Kondo M, Honda Y, [Hashizume M](#)^{*}. Community trial on heat related-illness prevention behaviors and knowledge for the elderly. *Int J Environ Res Public Health*. 2015;12(3):3188–214. doi: 10.3390/ijerph120303188.
18. Nagura M, Terao T, [Hashizume M](#). The role of temperature inversions in the generation of seasonal and interannual SST variability in the far northern Bay of Bengal. *Journal of Climate*. 2015;28(9):3671–93.
19. Chung Y, Lim Y, Honda Y, Guo YL, [Hashizume M](#), Bell ML, Chen BY, Kim H. Extreme temperature-related mortality for 15 urban cities in Northeast Asia. *Epidemiology*. 2015;26(2):255–62.
20. Davies G, McIver L, Kim Y, [Hashizume M](#), Iddings S, Chan V. Water-borne diseases and extreme weather events in Cambodia: review of impacts and implications of climate change. *Int. J. Environ. Res. Public Health* 2014;12(1):191–213.
21. Flasche S, Takahashi K, Vu DT, Suzuki M, Nguyen THA, Le HT, [Hashizume M](#), Dang DA, Edmond K, Ariyoshi K, Mulholland E. K, Edmunds W. J, Yoshida LM. Early indication for a reduced burden of radiologically confirmed pneumonia in children following the introduction of routine vaccination against Haemophilus influenzae type b in Nha Trang, Vietnam. *Vaccine* 2014;32(51):6963–70.
22. Guo Y, Gasparrini A, Armstrong B, Li S, Tawatsupa B, Tobias A, Lavigne E, Coelho MSZS, Leone M, Pan X, Tong S, Tian L, Kim H, [Hashizume M](#), Honda Y, Guo YL, Wu CF, Punnasiri K, Yi SM, Michelozzi P, Saldiva PHN, Williams G. Global variation in the effects of ambient temperature on mortality—a systematic evaluation. *Epidemiology*. 2014;25(6):781–789.
23. Imai C, Brooks WA, Chung Y, Goswami D, Anjali BA, Dewan A, Kim H, [Hashizume M](#)^{*}. Tropical influenza and weather variability among children in an urban low-income population in Bangladesh. *Glob Health Action*. 2014;7:24413. doi:10.3402/gha.v7.24413
24. Nagi S, Chadeka EA, Sunahara T, Mutungi F, Justin YKD, Kaneko S, Ichinose Y, Matsumoto S, Njenga SM, [Hashizume M](#), Shimada M, Hamano S. Risk Factors and Spatial Distribution of *Schistosoma mansoni* Infection among Primary School Children in Mbita District, Western Kenya. *PLoS Negl Trop Dis*. 2014;8(7): e2991. doi:10.1371/journal.pntd.0002991
25. Toizumi M, Motomura H, Vo HM, Takahashi K, Pham E, Nguyen HAT, Le TH, [Hashizume M](#), Ariyoshi K, Dang DA, Moriuchi H, and Yoshida LM. Mortality associated with pulmonary hypertension in congenital rubella syndrome. *Pediatrics*. 2014;134(2):e519–26. doi:10.1542/peds.2013-4184.
26. Takahashi N, [Hashizume M](#). A systematic review of the influence of occupational organophosphate pesticides exposure on neurologic impairment. *BMJ Open*. 2014;4:e004798 doi:10.1136/bmjopen-2014-004798
27. Vu HH, Okumura J, [Hashizume M](#), Tran DN, Yamamoto T. Regional differences in the growing incidence of dengue fever in Vietnam explained by weather variability. *Trop Med Health*. 2014;42(1):25–33.
28. Lee H, Honda Y, Lim YH, Guo YL, [Hashizume M](#), Kim H. Effect of Asian dust storms on mortality in three Asian cities. *Atmos Environ*. 2014;89:309–317.
29. [Hashizume M](#), Chaves LF, Faruque ASG, Yunus M, Streatfield PK, Moji K. A differential effect of Indian Ocean Dipole and El Niño on cholera dynamics in Bangladesh. *PLoS One*. 2013;8(3): e60001. doi:10.1371/journal.pone.0060001
30. Corner RJ, Dewan AM, [Hashizume M](#). Modelling typhoid risk in Dhaka Metropolitan Area of Bangladesh: the role of socio-economic and environmental factors. *Int J Health Geogr*. 2013, 12:13 doi:10.1186/1476-072X-12-13
31. Daito H, Suzuki M, Shiihara J, Kilgore PE, Ohtomo H, Morimoto K, Ishida M, Kamigaki T, Oshitani H, [Hashizume M](#), Endo W, Hagiwara K, Ariyoshi K, Okinaga S. Impact of the Tohoku earthquake and

tsunami on pneumonia hospitalisations and mortality among adults in northern Miyagi, Japan: A multicentre observational study. *Thorax* 2013;68(6):544–550.

32. Haque U, Glass GE, Bomblies A, Hashizume M, Mitra D, Noman N, Haque W, Kabir M, Yamamoto T, Overgaard HJ. Risk factors associated with clinical malaria episodes in Bangladesh: a longitudinal study. *Am J Trop Med Hyg.* 2013;88(4):727–732.
33. Dewan AM, Corner RJ, Hashizume M, Ongee ET. Typhoid fever and its association with environmental factors in the Dhaka Metropolitan Area of Bangladesh: a spatial and time-series approach. *PLoS Negl Trop Dis.* 2013;7(1): e1998. doi:10.1371/journal.pntd.0001998
34. Islam M, Hashizume M, Yamamoto T, Alam F, Rabbani G. A qualitative exploration of drug abuse relapse following treatment. *Journal of Ethnographic & Qualitative Research.* 2012;6:36–51
35. Choi K, Cho S, Hashizume M, Kim H. Epidemiological characteristics of novel influenza A (H1N1) in antiviral drug users in Korea. *PLoS One* 2012;7(10):e47634. doi: 10.1371/journal.pone.0047634.
36. Hashizume M, Dewan AM, Sunahara T, Rahman Z, Yamamoto T. Hydroclimatological variability and dengue transmission in Dhaka, Bangladesh: a time-series study. *BMC Infect Dis.* 2012;12:98 doi:10.1186/1471-2334-12-98
37. Haque U, Scott LM, Hashizume M, Fisher E, Haque R, Yamamoto T, Glass GE. Modelling malaria treatment practices in Bangladesh using spatial statistics. *Malaria J.* 2012;11:63 doi:10.1186/1475-2875-11-63
38. Hori A, Hashizume M, Tsuda Y, Tsukahara T, Nomiya T. Effects of weather variability and air pollutants on emergency admissions for cardiovascular and cerebrovascular diseases. *Int J Environ Health Res.* 2012;22:416–430.
39. Chaves LF, Satake A, Hashizume M, Minakawa N. Indian Ocean Dipole and rainfall drive a Moran effect in East Africa malaria transmission. *J Infect Dis.* 2012;205:1885–1891.
40. Hashizume M, Chaves LF, Minakawa N. Indian Ocean Dipole drives malaria resurgence in East African highlands. *Sci. Rep.* 2012;2:269 doi:10.1038/srep00269.
41. Chaves LF, Hashizume M, Satake A, Minakawa N. Regime shifts and heterogeneous trends in malaria time series from Western Kenya Highlands. *Parasitology.* 2012;139:14–25.
42. Haque U, Hashizume M, Kolivras KN, Overgaard HJ, Das B, Yamamoto T. Reduced death rates from cyclones in Bangladesh - What more needs to be done? *Bull World Health Organ.* 2012;90:150–156.
43. Milojevic A, Armstrong B, Hashizume M*, McAllister K, Faruque ASG, Yunus M, Streatfield PK, Moji K, Wilkinson P. Health effects of flooding in rural Bangladesh. *Epidemiology.* 2012;23:107–115. *corresponding
44. Onozuka D, Hashizume M. Weather and hand, foot and mouth disease incidence: a time series study. *Sci Total Environ.* 2011;410–411:119–125.
45. Kounnavong S, Sunahara T, Hashizume M, Okumura J, Moji K, Boupha B, Yamamoto T. Anemia and its related factors in preschool-aged children in the southern rural Lao People's Democratic Republic. *Trop Med & Health.* 2011;39:95–103.
46. Kounnavong S, Sunahara T, Mascie-Taylor NCG, Hashizume M, Okumura J, Moji K, Boupha B, Yamamoto T. Effect of daily versus weekly home fortification with multiple micronutrient powder on haemoglobin concentration of young children in a rural area, Lao People's Democratic Republic: a randomised trial. *Nutrition Journal.* 2011;10:129 doi:10.1186/1475-2891-10-129
47. Oki M, Sunahara T, Hashizume M, Yamamoto T. Optimal timing of insecticide fogging to minimize dengue incidence: modeling dengue transmission among various seasonalities and transmission intensities. *PLoS Neglect Trop Dis* 2011;5(10): e1367. doi:10.1371/journal.pntd.0001367
48. Hashizume M. Climate, climate change and diarrhoea in Bangladesh. *Journal of Agroforestry and Environment.* 2011;5:47–53.

49. Haque U, Sunahara T, Hashizume M, Shields T, Yamamoto T, Haque R, Glass GE. Malaria prevalence, risk factors and spatial distribution in a hilly forest area of Bangladesh. *PLoS One*. 2011;6(4): e18908. doi:10.1371/journal.pone.0018908
50. Onozuka D, Hashizume M. Effect of weather variability on the incidence of mumps in children: a time-series analysis. *Epidemiol. Infect.* 2011;139:1692–1700.
51. Hashizume M, Faruque ASG, Terao T, Yunus M, Streatfield K, Yamamoto T, Moji K. The Indian Ocean Dipole and cholera incidence in Bangladesh: A time series analysis. *Environ Health Perspect.* 2011;119:239–244.
52. Onozuka D, Hashizume M. Weather variability and paediatric infectious gastroenteritis. *Epidemiol. Infect.* 2011;139:1369–1378.
53. Haque U, Hashizume M, Glass GE, Dewan A, Overgaard HJ, Yamamoto T. The role of climate variability in the spread of malaria in Bangladeshi highland *PLoS One*. 2010;5(12): e14341. doi:10.1371/journal.pone.0014341 *corresponding
54. Haque U, Hashizume M, Sunahara T, Hossain S, Ahmed SM, Haque R, Yamamoto T and Glass GE. Progress and challenges to control malaria in a remote area of Chittagong hill tracts, Bangladesh. *Malaria J*. 2010;9:156 doi:10.1186/1475-2875-9-156.
55. Hashizume M, Faruque ASG, Wagatsuma Y, Hayashi T, Armstrong B. Cholera in Bangladesh: Climatic components of seasonal variation. *Epidemiology*. 2010;21(5):706–710.
56. Hashizume M, Ueda K, Nishiwaki Y, Michikawa T, Onozuka D. Health effects of Asian dust events: a review of the literature. *Jpn J Hyg.* 2010;65:413–421 (in Japanese with English abstract).
57. Onozuka D, Hashizume M, Hagihara A. Effects of weather variability on infectious gastroenteritis. *Epidemiol. Infect.* 2010;138:236–243.
58. Magafu M, Moji K, Lgumvor EU, Hashizume M, Mizota T, Komazawa O, Cai G, Yamamoto T. Usefulness of highly active antiretroviral therapy on health-related quality of life of adult recipients in Tanzania. *AIDS Patient Care STDs*. 2009;23(7):563–570.
59. Onozuka D, Hashizume M, Hagihara A. Impact of weather factors on Mycoplasma pneumoniae pneumonia. *Thorax*. 2009;64:507–511.
60. Hashizume M, Terao T, Minakawa N. Indian Ocean Dipole and malaria risk in the highlands of western Kenya. *Proc Natl Acad Sci U S A*. 2009;106:1857–1862.
61. Hashizume M, Wagatsuma Y, Hayashi T, Saha SK, Streatfield K, Yunus M. The effect of temperature on mortality in rural Bangladesh – a population based time-series study. *Int J Epidemiol.* 2009;38:1689–1697.
62. Hashizume M, Armstrong B, Wagatsuma Y, Faruque ASG, Hayashi T, Sack DA. Rotavirus infections and climate variability in Dhaka, Bangladesh: a time-series analysis. *Epidemiol. Infect.* 2008;136:1281–1289.
63. Hashizume M, Wagatsuma Y, Faruque ASG, Hayashi T, Hunter PR, Armstrong B, Sack DA. Factors determining vulnerability to diarrhoea during and after severe floods in Bangladesh. *J Water Health.* 2008;6:323–332.
64. Hashizume M, Armstrong B, Hajat S, Wagatsuma Y, Faruque ASG, Hayashi T, Sack DA. The effect of rainfall on the incidence of cholera in Bangladesh. *Epidemiology*. 2008;19:103–110.
65. Hashizume M, Armstrong B, Hajat S, Wagatsuma Y, Faruque ASG, Hayashi T, Sack DA. Association between climate variability and hospital visits for non-cholera diarrhoea in Bangladesh: effects and vulnerable groups. *Int J Epidemiol.* 2007;36:1030–1037.
66. Hashizume M, Kondo H, Murakami T, Kodama M, Nakahara S, Lucas M, Wakai S. Use of rapid diagnostic tests for malaria in an emergency situation after the flood disaster in Mozambique. *Public Health.* 2006;120:444–447.

67. Hashizume M, Chiba M, Shinohara A, Iwabuchi S, Sasaki S, Shimoda T, Kunii O, Caypil W, Dauletbaev D, Alnazarova A. Anaemia, iron deficiency and vitamin A status among school-aged children in rural Kazakhstan. **Public Health Nutr.** 2005;8:564–571.
68. Chiba M, Sera K, Hashizume M, Shimoda T, Sasaki S, Kunii O, Inaba Y. Element concentrations in hair of children living in environmentally degraded districts of the East Aral Sea region. **Journal of Radioanalytical and Nuclear Chemistry.** 2004;259:149–152.
69. Hashizume M, Shimoda T, Sasaki S, Kunii O, Caypil W, Dauletbaev D, Chiba M. Anaemia in relation to low bioavailability of dietary iron among school-aged children in the Aral Sea region, Kazakhstan. **Int J Food Sci Nutr.** 2004;55:37–43.
70. Kaneko K, Chiba M, Hashizume M, Kunii O, Sasaki S, Shimoda T, Yamashiro Y, Caypil W, Dauletbaev D. Renal tubular dysfunction in children living in the Aral Sea region. **Arch Dis Child.** 2003;88:966–968.
71. Kunii O, Hashizume M, Chiba M, Sasaki S, Shimada T, Caypil W, Dauletbaev D. Respiratory symptoms and pulmonary function among children in the Aral Sea region. **Arch Environ Health.** 2003;58:676–682.
72. Hashizume M, Kunii O, Sasaki S, Shimoda T, Wakai S, Mazhitova Z, Dauletbaev D, Caypil W, Aldiyarova M, Farmer A, Yamashiro Y, Chiba M. Anemia and iron deficiency among school-age children in the Aral Sea region, Kazakhstan. **J Trop Pediatr.** 2003;49:172–177.
73. Kaneko K, Chiba M, Hashizume M, Kunii O, Sasaki S, Shimoda T, Yamashiro Y, Dauletbaev D, Caypil W, Mazhitova Z. Extremely high prevalence of hypercalciuria in children living in the Aral Sea Region. **Acta Paediatr.** 2002;91:1116–1120.
74. Kondo H, Seo N, Yasuda T, Hashizume M, Koido Y, Ninomiya Y, Yamamoto Y. Post-flood infectious diseases in Mozambique. **Prehosp Disaster Med.** 2002;17:126–133.
75. Yamamoto T, Hashizume M, Kichikawa Y, Kyo H, Kondo H. A survey on attitudes and practice concerning international health. **Japanese Journal of Public Health.** 2001;48:963–968. (in Japanese with English abstract).
76. Kuroiwa C, Vongphrachanh P, Xayyavong P, Southalack K, Hashizume M, Nakamura S. Measles epidemiology and outbreak investigation using IgM test in Laos. **J Epidemiol.** 2001;11:255–262.
77. Kuroiwa C, Vongphrachanh P, Chosa T, Murakami H, Hashizume M, Wakai S, Tanaka M. Risk of poliomyelitis importation and re-emergence in Laos. **Lancet.** 2000;356:1487–1488.
78. Mizuno K, Aizawa M, Hashizume M, Kitazawa S. A case with generalized cyanosis during oral feeding. **Journal of Japan Society for Premature and Newborn Medicine.** 1999;11:221–225. (in Japanese with English abstract).
79. Mizuno K, Aizawa M, Hashizume M, Kitazawa S. Development of sucking behavior in term infants during the early neonatal period. **The Journal of the Japan Pediatric Society.** 1999;103:549–553. (in Japanese with English abstract).

EDITORIAL

80. Hashizume M. New era for Tropical Medicine and Health. **Trop Med Health.** 2016;44:4 doi: 10.1186/s41182-016-0001-1.

BOOK CHAPTERS

1. Hashizume M, Faruque ASG, Dewan AM, Rainfall dependence of hospital visits of Aeromonas-positive diarrhoea in Dhaka. In AM Dewan and RJ Corner (Eds) Dhaka Megacity: Geospatial Perspectives on Urbanization, Environment and Health, Springer Geography 2013:333–344.
2. Dewan AM, Corner RJ, Hashizume M, Modelling spatiotemporal patterns of typhoid cases between 2005 and 2009 using spatial statistics In AM Dewan and RJ Corner (Eds) Dhaka Megacity: Geospatial

Perspectives on Urbanization, Environment and Health, Springer Geography 2013:345–365.

3. Ali S, Corner RJ, Hashizume M, Spatiotemporal analysis of dengue infection between 2005 and 2010. In AM Dewan and RJ Corner (Eds) Dhaka Megacity: Geospatial Perspectives on Urbanization, Environment and Health, Springer Geography 2013:367–384.
4. Hashizume M, Precipitation and Flood Hazards: Health Effects, Risks, and Impacts. In Roger A. Pielke Sr (Eds) Climate Vulnerability: Understanding and Addressing Threats to Essential Resources. Elsevier Inc., Academic Press, 2013:115–124.

REPORTS

1. Hashizume M. (Contributing author for Chapter 24) IPCC, 2014: Climate Change 2014:Impacts, Adaptation, and Vulnerability. Part B: Regional Aspects. **Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change** [Barros, V.R., C.B. Field, D.J. Dokken, M.D. Mastrandrea, K.J. Mach, T.E. Bilir, M. Chatterjee, K.L. Ebi, Y.O. Estrada, R.C. Genova, B. Girma, E.S. Kissel, A.N. Levy, S. MacCracken, P.R. Mastrandrea, and L.L. White (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 688
2. Hashizume M (Contributing author) In Handmer, J., Y. Honda, Z.W. Kundzewicz, N. Arnell, G. Benito, J. Hatfield, I.F. Mohamed, P. Peduzzi, S. Wu, B. Sherstyukov, K. Takahashi, and Z. Yan, 2012: Changes in impacts of climate extremes: human systems and ecosystems. In: Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation [Field, C.B., V. Barros, T.F. Stocker, D. Qin, D.J. Dokken, K.L. Ebi, M.D. Mastrandrea, K.J. Mach, G.-K. Plattner, S.K. Allen, M. Tignor, and P.M. Midgley (eds.)]. **A Special Report of Working Groups I and II of the Intergovernmental Panel on Climate Change (IPCC)**. Cambridge University Press, Cambridge, UK, and New York, NY, USA, pp. 231–290