

Appendix 1 Peer-reviewed publications from Chinese registries

We searched PubMed to identify studies conducted in mainland China that were explicitly labelled as registry study, published as a full-text article either in English or Chinese. The following search strategy was used in the PubMed database:

((China[Title/Abstract]) OR Chinese[Title/Abstract]) AND registr*[Title/Abstract]
Filters: **Humans**

Our search yielded 2604 reports, of which 338 were eligible after title and abstract screening, among some uncertain literatures reviewed by full texts.

Disease category	Number of publications	Examples of registries
Cancer	115	National Central Cancer Registry (NCCR) ^{1 2} A population-based cancer registry ^{3 4} Shanghai Cancer Registry ⁵⁻⁷
Cerebrovascular disease	85	China National Stroke Registry (CNSR) ⁸⁻¹³ ChinaQUEST (Quality Evaluation of Stroke Care and Treatment) Registry ¹⁴⁻¹⁶ China Interventional Stroke Registry (CISR) ¹⁷ Nanjing Stroke Registry ¹⁸⁻²⁰ Chengdu Stroke Registry ^{21 22}
Cardiovascular disease	53	Chinese Atrial Fibrillation Registry (CAFR) ^{23 24} Chinese Coronary Artery Bypass Grafting Registry Chinese registry of acute coronary events (CRACE) ^{25 26} Chinese Cardiac Surgery Registry ²⁷ CREATE (Multi-Center Registry of EXCEL Biodegradable Polymer Drug Eluting Stents) study China-OASIS Registry ²⁸
Twins	30	Chinese National Twin Registry (CNTR) ²⁹⁻³¹ Twin Registry in Southwestern China (TRiSC) ³² Guangzhou Twin Registry ^{33 34}
Organ transplantation	24	China Liver Transplant Registry (CLTR) ^{35 36} China Bone Marrow Transplantation Registry ³⁷ Chinese Scientific Registry of Kidney Transplantation (CSRKT) ³⁸
Birth defect	9	Chinese Birth Defects ^{39 40}
Immune disease	8	Chinese SLE Treatment and Research group (CSTAR) registry ^{41 42}
Diabetes	5	Shanghai Diabetes Registry (SDR) ^{43 44} Chinese IDDM registry ⁴⁵
Others	9	National registry of hemophilia ⁴⁶ Chinese Alliance for Research in Thymomas (ChART) registry ⁴⁷ Chinese maxillofacial trauma registry ⁴⁸ Shanghai Dialysis Registry ⁴⁹

References

1. Zheng ZX, Zheng RS, Zhang SW, et al. Colorectal cancer incidence and mortality in China, 2010. *Asian Pac J Cancer Prev* 2014;15(19):8455-60.
2. Chen W, Zheng R, Zhang S, et al. The incidences and mortalities of major cancers in China, 2009. *Chin J Cancer* 2013;32(3):106-12. doi: 10.5732/cjc.013.10018.
3. Chen JG, Zhu J, Parkin DM, et al. Trends in the incidence of cancer in Qidong, China, 1978-2002. *Int J Cancer* 2006;119(6):1447-54. doi: 10.1002/ijc.21952.
4. He YT, Hou J, Chen ZF, et al. Decrease in the esophageal cancer incidence rate in mountainous but not level parts of Cixian County, China, over 29 years. *Asian Pac J Cancer Prev* 2005;6(4):510-4.
5. Gao YT, McLaughlin JK, Blot WJ, et al. Reduced risk of esophageal cancer associated with green tea consumption. *J Natl Cancer Inst* 1994;86(11):855-8.
6. Xu WH, Zheng W, Xiang YB, et al. Soya food intake and risk of endometrial cancer among Chinese women in Shanghai: population based case-control study. *BMJ* 2004;328(7451):1285. doi: 10.1136/bmj.38093.646215.AE.
7. Yang Y, Xie L, Zheng JL, et al. Incidence trends of urinary bladder and kidney cancers in urban Shanghai, 1973-2005. *PLoS One* 2013;8(12):e82430. doi: 10.1371/journal.pone.0082430.
8. Wang Y, Liao X, Zhao X, et al. Using recombinant tissue plasminogen activator to treat acute ischemic stroke in China: analysis of the results from the Chinese National Stroke Registry (CNSR). *Stroke* 2011;42(6):1658-64. doi: 10.1161/strokeaha.110.604249.
9. Deng YX, Wang YL, Gao BQ, et al. Age differences in clinical characteristics, health care, and outcomes after ischemic stroke in China. *CNS Neurosci Ther* 2012;18(10):819-26. doi: 10.1111/j.1755-5949.2012.00378.x.
10. Ji R, Liu G, Shen H, et al. Persistence of secondary prevention medications after acute ischemic stroke or transient ischemic attack in Chinese population: data from China National Stroke Registry. *Neurol Res* 2013;35(1):29-36. doi: 10.1179/1743132812y.0000000107.
11. Wang Z, Li J, Wang C, et al. Gender differences in 1-year clinical characteristics and outcomes after stroke: results from the China National Stroke Registry. *PLoS One* 2013;8(2):e56459. doi: 10.1371/journal.pone.0056459.
12. Wang G, Liu G, Zhang R, et al. Evaluation of Off-Hour Emergency Care in Acute Ischemic Stroke: Results from the China National Stroke Registry. *PLoS One* 2015;10(9):e0138046. doi: 10.1371/journal.pone.0138046.
13. Wang H, Pan Y, Meng X, et al. Validation of the mSOAR and SOAR scores to predict early mortality in Chinese acute stroke patients. *PLoS One* 2017;12(7):e0180444. doi: 10.1371/journal.pone.0180444.
14. Wei JW, Heeley EL, Wang JG, et al. Comparison of recovery patterns and prognostic indicators for ischemic and hemorrhagic stroke in China: the ChinaQUEST (Quality Evaluation of Stroke Care and Treatment) Registry study. *Stroke* 2010;41(9):1877-83. doi: 10.1161/strokeaha.110.586909.
15. Delcourt C, Hackett M, Wu Y, et al. Determinants of quality of life after stroke in China: the ChinaQUEST (Quality Evaluation of Stroke care and Treatment) study. *Stroke* 2011;42(2):433-8. doi: 10.1161/strokeaha.110.596627.

16. Jin H, Zhu S, Wei JW, et al. Factors associated with prehospital delays in the presentation of acute stroke in urban China. *Stroke* 2012;43(2):362-70. doi: 10.1161/strokeaha.111.623512.
17. Gong DY, Liu XF, Huang FJ. Clinical feature analysis of fatal pulmonary thromboembolism: experiences from 41 autopsy-confirmed cases. *Eur Rev Med Pharmacol Sci* 2013;17(5):701-6.
18. Liu X, Xu G, Wu W, et al. Subtypes and one-year survival of first-ever stroke in Chinese patients: The Nanjing Stroke Registry. *Cerebrovasc Dis* 2006;22(2-3):130-6. doi: 10.1159/000093241.
19. Cao Q, Pei P, Zhang J, et al. Hypertension unawareness among Chinese patients with first-ever stroke. *BMC Public Health* 2016;16:170. doi: 10.1186/s12889-016-2835-1.
20. Cao Q, Zhou S, Cai B, et al. The impacts of premorbid hypertension treatment on functional outcomes of ischemic stroke. *J Neurol Sci* 2016;363:1-4. doi: 10.1016/j.jns.2016.02.020.
21. Liu J, Wang D, Xiong Y, et al. Association of Elevated High Sensitivity Cardiac Troponin T(hs-cTnT) Levels with Hemorrhagic Transformation and 3-Month Mortality in Acute Ischemic Stroke Patients with Rheumatic Heart Disease in China. *PLoS One* 2016;11(2):e0148444. doi: 10.1371/journal.pone.0148444.
22. Wang Q, Lin S, Dong W, et al. Characteristics of etiological diagnostic workup across the past 10 years in patients with spontaneous intracerebral hemorrhage in a large general hospital. *Dev Neurorehabil* 2016;19(1):10-6. doi: 10.3109/17518423.2013.878405.
23. Chang SS, Dong JZ, Ma CS, et al. Current Status and Time Trends of Oral Anticoagulation Use Among Chinese Patients With Nonvalvular Atrial Fibrillation: The Chinese Atrial Fibrillation Registry Study. *Stroke* 2016;47(7):1803-10. doi: 10.1161/strokeaha.116.012988.
24. Xia SJ, Du X, Li C, et al. Uptake of evidence-based statin therapy among atrial fibrillation patients in China: A report from the CAFR (Chinese Atrial Fibrillation Registry) Study. *Int J Cardiol* 2016;220:284-9. doi: 10.1016/j.ijcard.2016.06.113.
25. Song XT, Chen YD, Pan WQ, et al. Gender based differences in patients with acute coronary syndrome: findings from Chinese Registry of Acute Coronary Events (CRACE). *Chin Med J (Engl)* 2007;120(12):1063-7.
26. Lin Y, Pan W, Ning S, et al. Prevalence and management of hypertension in patients with acute coronary syndrome vary with gender: Observations from the Chinese registry of acute coronary events (CRACE). *Mol Med Rep* 2013;8(1):173-7. doi: 10.3892/mmr.2013.1461.
27. Hu S, Zheng Z, Yuan X, et al. Coronary artery bypass graft: contemporary heart surgery center performance in China. *Circ Cardiovasc Qual Outcomes* 2012;5(2):214-21. doi: 10.1161/circoutcomes.111.962365.
28. Han Y, Jing Q, Li Y, et al. Sustained clinical safety and efficacy of a biodegradable-polymer coated sirolimus-eluting stent in "real-world" practice: three-year outcomes of the CREATE (Multi-Center Registry of EXCEL Biodegradable Polymer Drug Eluting Stents) study. *Catheter Cardiovasc Interv* 2012;79(2):211-6. doi: 10.1002/ccd.23113.
29. Gao HN, Lu HZ, Cao B, et al. Clinical findings in 111 cases of influenza A (H7N9) virus infection. *N Engl J Med* 2013;368(24):2277-85. doi: 10.1056/NEJMoa1305584.

30. Liao C, Gao W, Cao W, et al. Associations of Body Composition Measurements with Serum Lipid, Glucose and Insulin Profile: A Chinese Twin Study. *PLoS One* 2015;10(11):e0140595. doi: 10.1371/journal.pone.0140595.
31. Wang B, Gao W, Lv J, et al. Physical activity attenuates genetic effects on BMI: Results from a study of Chinese adult twins. *Obesity (Silver Spring)* 2016;24(3):750-6. doi: 10.1002/oby.21402.
32. Huang Y, Collier D, Li T. A Prospective Twin Registry in Southwestern China (TRiSC): exploring the effects of genetic and environmental factors on cognitive and behavioral development and mental health wellbeing in children and adolescents. *Twin Res Hum Genet* 2009;12(3):312-9. doi: 10.1375/twin.12.3.312.
33. He M, Ge J, Wang D, et al. Heritability of the iridotrabecular angle width measured by optical coherence tomography in Chinese children: the Guangzhou twin eye study. *Invest Ophthalmol Vis Sci* 2008;49(4):1356-61. doi: 10.1167/iovs.07-1397.
34. Shen P, Ding X, Zheng Y, et al. Contribution of genetic and environmental effects on lens thickness: the Guangzhou Twin Eye study. *Invest Ophthalmol Vis Sci* 2012;53(4):1758-63. doi: 10.1167/iovs.11-9318.
35. Lu TF, Hua XW, Cui XL, et al. Liver transplantation for hepatocellular carcinoma: recent advances in China. *J Dig Dis* 2014;15(2):51-3.
36. Xu X, Lu D, Ling Q, et al. Liver transplantation for hepatocellular carcinoma beyond the Milan criteria. *Gut* 2016;65(6):1035-41. doi: 10.1136/gutjnl-2014-308513.
37. Lu D. [Current status of hematopoietic stem cell transplantation in China: an analysis of results registered at China Bone Marrow Transplantation Registry in 1998]. *Zhonghua Xue Ye Xue Za Zhi* 2000;21(2):87-9. [in Chinese]
38. Liu L, Zhang H, Fu Q, et al. Current status of pediatric kidney transplantation in China: data analysis of Chinese Scientific Registry of Kidney Transplantation. *Chin Med J (Engl)* 2014;127(3):506-10.
39. Dai L, Zhu J, Mao M, et al. Time trends in oral clefts in Chinese newborns: data from the Chinese National Birth Defects Monitoring Network. *Birth Defects Res A Clin Mol Teratol* 2010;88(1):41-7. doi: 10.1002/bdra.20607.
40. Gao Q, Liu YB, Zhong CJ, et al. [Clinical analysis of 137 patients with visceral leishmaniasis]. *Zhongguo Ji Sheng Chong Xue Yu Ji Sheng Chong Bing Za Zhi* 2013;31(2):135-7. [in Chinese]
41. Li M, Zhang W, Leng X, et al. Chinese SLE Treatment and Research group (CSTAR) registry: I. Major clinical characteristics of Chinese patients with systemic lupus erythematosus. *Lupus* 2013;22(11):1192-9. doi: 10.1177/0961203313499086.
42. Zhao J, Bai W, Zhu P, et al. Chinese SLE Treatment and Research group (CSTAR) registry VII: prevalence and clinical significance of serositis in Chinese patients with systemic lupus erythematosus. *Lupus* 2016;25(6):652-7. doi: 10.1177/0961203315625460.
43. Gu Y, Wang C, Zheng Y, et al. Cancer incidence and mortality in patients with type 2 diabetes treated with human insulin: a cohort study in Shanghai. *PLoS One* 2013;8(1):e53411. doi: 10.1371/journal.pone.0053411.
44. Lu J, Hou X, Zhang L, et al. Association between body mass index and diabetic retinopathy in Chinese patients with type 2 diabetes. *Acta Diabetol* 2015;52(4):701-8. doi: 10.1007/s00592-014-0711-y.

45. Yang Z, Wang K, Li T, et al. Childhood diabetes in China. Enormous variation by place and ethnic group. *Diabetes Care* 1998;21(4):525-9.
46. Zhao H, Yang L, Long C, et al. Hemophilia care in China: review of care for 417 hemophilia patients from 11 treatment centers in Shanxi Province. *Expert Rev Hematol* 2015;8(4):543-50. doi: 10.1586/17474086.2015.1043263.
47. Wang F, Pang L, Fu J, et al. [Postoperative Survival for Patients with Thymoma Complicating Myasthenia Gravis- Preliminary Retrospective Results of the ChART Database]. *Zhongguo Fei Ai Za Zhi* 2016;19(7):418-24. doi: 10.3779/j.issn.1009-3419.2016.07.03. [in Chinese]
48. Zhaohui S, Shuxia Z, Xinghua F, et al. The design and implementation of chinese maxillofacial trauma registry, analysis and injury severity score system. *J Trauma* 2008;64(4):1024-33. doi: 10.1097/TA.0b013e31809fea9b.
49. Yao Q, Zhang W, Qian J. Dialysis status in China: a report from the Shanghai Dialysis Registry (2000-2005). *Ethn Dis* 2009;19(1 Suppl 1):S1-23-6.