

**SUPPLEMENTARY DATA**

**Human and Clinical Nutrition** **Public Health Nutrition Policy & Economics** **Nutrition, Metabolism, and Prevention of NCDs**

**Egg Consumption and its Association with Cardiovascular Disease and Mortality in China: A Systematic Review and Meta-Analysis**

**Mobolaji Timothy Olagunju** <sup>1</sup>  **Ifeoluwa Olaitan Omotoso** <sup>2</sup>  **Olunike Rebecca Abodunrin** <sup>1</sup>   
**Aishat Adedoyin Koledowo** <sup>3</sup>  **Emilia Ange Manuella Banza Moussounda** <sup>4</sup>  **Salahudeen Sakina Hassan** <sup>3</sup>  **Khabiso Jemima Ramphoma** <sup>5</sup>  **Folahanmi Tomiwa Akinsolu** <sup>3,6</sup>  

<sup>1</sup> Department of Epidemiology and Health Statistics, School of Public Health, Nanjing Medical University, Jiangsu Province, China. [olagunjumobolaji@gmail.com](mailto:olagunjumobolaji@gmail.com) [abodunrinolunike@gmail.com](mailto:abodunrinolunike@gmail.com)

<sup>2</sup> Department of Pathology and Pathophysiology, Chongqing Medical University, Chongqing, China. [ifeoluwaolagunju43@gmail.com](mailto:ifeoluwaolagunju43@gmail.com)

<sup>3</sup> Department of Public Health Lead City University, Department of Planning, Research Monitoring and Evaluation, Lagos State Health Management Agency, Nigeria. [Folahanmi.tomiwa@gmail.com](mailto:Folahanmi.tomiwa@gmail.com) / [aishadedoyin@gmail.com](mailto:aishadedoyin@gmail.com) / [hassansakina58@gmail.com](mailto:hassansakina58@gmail.com)

<sup>4</sup> Clinical Medicine department, Nanjing Medical University, Jiangsu Province, China. [emilia.ange.manuella@gmail.com](mailto:emilia.ange.manuella@gmail.com)

<sup>5</sup> Department of Community Dentistry, Faculty of Dentistry, University of the Western, South Africa. [Kramphoma@uwc.ac.za](mailto:Kramphoma@uwc.ac.za)

<sup>6</sup> Nigerian Institute of Medical Research, Lagos and Lead City University, Ibadan, Nigeria. [akinsolu.folahanmi@lcu.edu.ng](mailto:akinsolu.folahanmi@lcu.edu.ng) / [Folahanmi.tomiwa@gmail.com](mailto:Folahanmi.tomiwa@gmail.com)

**Appendix**

**Supplementary Table 1.** Search Terms.

Keyword	Search terms
Dyslipidemia	"Dyslipidemia"[Title/Abstract] OR "Dyslipoproteinemias"[Title/Abstract] OR "Dyslipoproteinemia"[Title/Abstract]
Egg	"egg"[Title/Abstract]
STROKE	"Strokes"[Title/Abstract] OR "cerebrovascular accident"[Title/Abstract] OR ("Stroke"[MeSH Terms] OR "Stroke"[All Fields] OR "cva"[All Fields]) AND "cerebrovascular accident"[Title/Abstract] OR ("CVAs"[All Fields] AND "cerebrovascular accident"[Title/Abstract]) OR "cerebrovascular apoplexy"[Title/Abstract] OR "apoplexy cerebrovascular"[Title/Abstract] OR "vascular accident brain"[Title/Abstract] OR "brain vascular accident"[Title/Abstract] OR "brain vascular accidents"[Title/Abstract] OR ("blood vessels"[MeSH Terms] OR "blood"[All Fields] AND "vessels"[All Fields]) OR "blood vessels"[All Fields] OR "Vascular"[All Fields] OR "neovascularization, pathologic"[MeSH Terms] OR "neovascularization"[All Fields] AND "pathologic"[All Fields] OR "pathologic neovascularization"[All Fields] OR "vascularisation"[All Fields] OR "vascularization"[All Fields] OR "vascularisations"[All Fields] OR "vascularise"[All Fields] OR "vascularised"[All Fields] OR "vascularities"[All Fields] OR "vascularitis"[All Fields] OR "vascularity"[All Fields] OR "vascularizations"[All Fields] OR "vascularize"[All Fields] OR "vascularized"[All Fields] OR "vascularizes"[All Fields] OR "vascularizing"[All Fields] OR "vasculars"[All Fields]) AND "accidents brain"[Title/Abstract] OR "cerebrovascular stroke"[Title/Abstract] OR

	"cerebrovascular strokes"[Title/Abstract] OR "stroke cerebrovascular"[Title/Abstract] OR "cerebrovascular"[Title/Abstract] OR "Apoplexy"[Title/Abstract] OR "cerebral stroke"[Title/Abstract] OR "cerebral strokes"[Title/Abstract] OR "stroke cerebral"[Title/Abstract] OR "strokes cerebral"[Title/Abstract] OR "stroke acute"[Title/Abstract] OR "acute stroke"[Title/Abstract] OR "acute strokes"[Title/Abstract] OR "strokes acute"[Title/Abstract] OR "cerebrovascular accident acute"[Title/Abstract] OR "acute cerebrovascular accident"[Title/Abstract] OR "acute cerebrovascular accidents"[Title/Abstract] OR "cerebrovascular accidents acute"[Title/Abstract]
Coronary Heart Disease	"coronary heart disease"[Title/Abstract] OR "coronary diseases"[Title/Abstract] OR "disease coronary"[Title/Abstract] OR "diseases coronary"[Title/Abstract] OR "coronary heart disease"[Title/Abstract] OR "coronary heart diseases"[Title/Abstract] OR "disease coronary heart"[Title/Abstract] OR "diseases coronary heart"[Title/Abstract] OR "heart disease coronary"[Title/Abstract] OR "heart diseases coronary"[Title/Abstract]
Cardiovascular Disease	"cardiovascular disease"[Title/Abstract] OR "disease cardiovascular"[Title/Abstract] OR "major adverse cardiac events"[Title/Abstract] OR "cardiac events"[Title/Abstract] OR "cardiac event"[Title/Abstract] OR "event cardiac"[Title/Abstract] OR "adverse cardiac event"[Title/Abstract] OR "adverse cardiac events"[Title/Abstract] OR ("cardiacs"[All Fields] OR "heart"[MeSH Terms] OR "heart"[All Fields] OR "Cardiac"[All Fields]) AND "event adverse"[Title/Abstract] OR "cardiac events adverse"[Title/Abstract]
Death	"Death"[Title/Abstract] OR "End-Of-Life"[Title/Abstract] OR "End-Of-Life"[Title/Abstract] OR "determination of death"[Title/Abstract] OR "near death experience"[Title/Abstract] OR "cardiac death"[Title/Abstract] OR "death cardiac"[Title/Abstract]

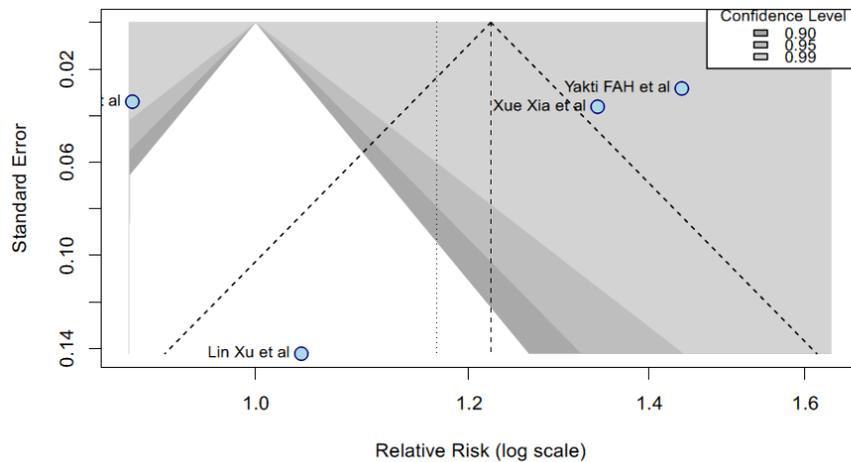
Keywords	Search terms
Dyslipidemia	TI dyslipidemia or hyperlipidemia or hypercholesterolemia
Egg	TI eggs
STROKE	TI stroke or cerebrovascular accident or CVA or cerebral vascular event or CVE or transient ischemic attack or TIA
Coronary Heart Disease	TI coronary heart disease or coronary disease or coronary artery disease or ischemic heart disease
Cardiovascular Disease	TI cardiovascular disease or CVD or heart or cardiac or coronary heart disease
Death	TI Death OR TI cardiac death

Web of Science = 175

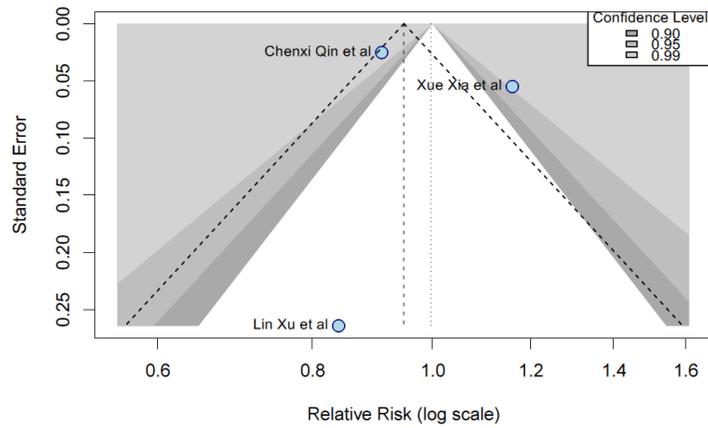
Keywords	Search terms
Dyslipidemia	((TS=(Dyslipidemia)) OR TS=(Dyslipoproteinemias)) OR TS=(Dyslipoproteinemia) and Preprint Citation Index (Exclude – Database)
Egg	(TS=(egg)) OR TS=(Egg Consumption) and Preprint Citation Index (Exclude – Database)
STROKE	(((((TS=(Strokes)) OR TS=(Cerebrovascular Accident)) OR TS=(Cerebrovascular Accidents)) OR TS=(CVA (Cerebrovascular Accident))) OR TS=(CVAs (Cerebrovascular Accident))) OR TS=(Cerebrovascular Apoplexy)) OR TS=(Apoplexy, Cerebrovascular)

	OR TS=(Vascular Accident, Brain)) OR TS=(Brain Vascular Accident)) OR TS=(Brain Vascular Accidents)) OR TS=(Vascular Accidents, Brain)) OR TS=(Cerebrovascular Stroke)) OR TS=(Cerebrovascular Strokes)) OR TS=(Stroke, Cerebrovascular)) OR TS=(Strokes, Cerebrovascular)) OR TS=(Apoplexy)) OR TS=(Cerebral Stroke)) OR TS=(Cerebral Strokes)) OR TS=(Stroke, Cerebral)) OR TS=(Strokes, Cerebral)) OR TS=(Stroke, Acute)) OR TS=(Acute Stroke)) OR TS=(Acute Strokes)) OR TS=(Strokes, Acute)) OR TS=(Cerebrovascular Accident, Acute)) OR TS=(Acute Cerebrovascular Accident)) OR TS=(Acute Cerebrovascular Accidents)) OR TS=(Cerebrovascular Accidents, Acute) and Preprint Citation Index (Exclude – Database)
Coronary Heart Disease	(((((TS=(Coronary Heart Disease)) OR TS=(Coronary Diseases)) OR TS=(Disease, Coronary)) OR TS=(Diseases, Coronary)) OR TS=(Coronary Heart Disease)) OR TS=(Coronary Heart Diseases)) OR TS=(Disease, Coronary Heart)) OR TS=(Diseases, Coronary Heart)) OR TS=(Heart Disease, Coronary)) OR TS=(Heart Diseases, Coronary) and Preprint Citation Index (Exclude – Database)
Cardiovascular Disease	(((((TS=(Cardiovascular Disease)) OR TS=(Disease, Cardiovascular)) OR TS=(Major Adverse Cardiac Events)) OR TS=(Cardiac Events)) OR TS=(Cardiac Event)) OR TS=(Event, Cardiac)) OR TS=(Adverse Cardiac Event)) OR TS=(Adverse Cardiac Events)) OR TS=(Cardiac Event, Adverse)) OR TS=(Cardiac Events, Adverse) and Preprint Citation Index (Exclude – Database)
Death	((TS=(Death)) OR TS=(Death, Cardiac)) OR TS=(Cardiac Death) and Preprint Citation Index (Exclude – Database)

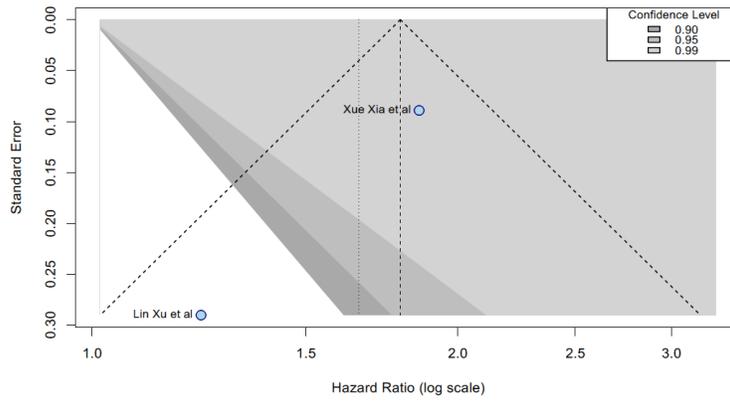
**Supplementary Data.** Publication bias Assessments



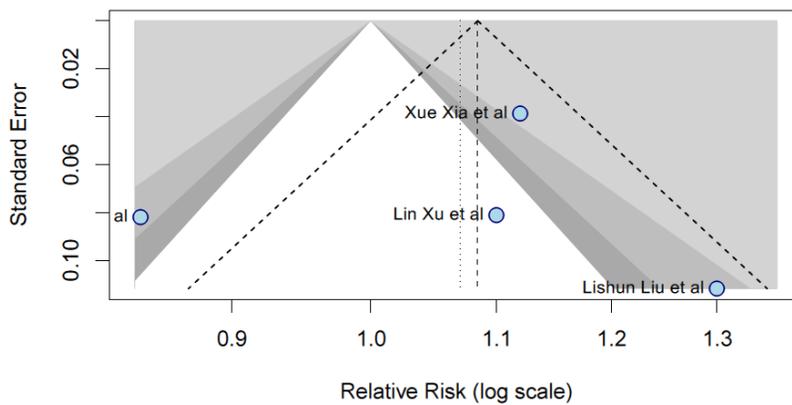
**Supplementary Figure 1.** Funnel Plot for Publication Bias Assessment - CVD Risk



Supplementary Figure 2. Funnel Plot for Publication Bias Assessment - Stroke Risk



Supplementary Figure 3. Funnel Plot for Publication Bias Assessment - CHD Risk



Supplementary Figure 4. Funnel Plot for Publication Bias Assessment - CVD Death