**Additional File 1**

**Literature Search Strategy for systematic review of the factors associated Mets and stroke in adults**

**Database 1 (PubMed) search strategy:**

Search: ((((((((stroke/diagnosticand control[MeSH Terms]))) OR metabolic syndrome/stroke[MeSH Terms]))) AND ((((stroke[MeSH Terms]) OR metabolic syndrome [MeSH Terms]) OR stroke[Title/Abstract]) OR OR metabolic syndrome [Title/Abstract])) AND (((((((adults[MeSH Terms]) OR adults[Title/Abstract]) OR adults[Title/Abstract]))

Filters: From 2007/01/01 to 2017/03/31, Humans