**COUNTRY and YEAR-SPECIFIC DEATH ESTIMATES for HIB, PNEUMOCOCCUS and MENINGOCOCCUS**

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The file “[Spn and Hib Burden.do](http://view-hub.org/resourcesfile/DiseaseBurden_Resources/Spn%20and%20Hib%20Burden.do%22%20%5Ct%20%22_blank)” contains all of the analyses for the global estimates of Hib, pneumococcus, and meningococcus deaths among children less than five years of age. There are several input files that will need to be prepared beforehand.

Folders and folder contents that need to be in the working directory are:

1. Input Files

1a. countries.csv (list of countries and UN/WHO regions)

1b. OGHIST.xls (WB country categories;

 http://siteresources.worldbank.org/DATASTATISTICS/Resources/OGHIST.xls)

1c. RatesDeaths\_AllIndicators.xlsx (IGME child mortality estimates;

 http://www.childmortality.org)

1d. WPP2015\_POP\_F15\_1\_ANNUAL\_POPULATION\_BY\_AGE\_BOTH\_SEXES.xls

 (Under 5 population estimates; http://esa.un.org/unpd/wpp/DVD/)

1e. coverage\_estimates\_series.xls (vaccine covearge estimates;

 http://www.who.int/immunization/monitoring\_surveillance/routine/coverage/en/index4.html)

1f. pcv\_coverage\_2015.csv (compiled from various sources)

1g. mening\_vaccine.xlsx (compiled by Adena Greenbaum in 2014 from various sources)

1h. HIV2014Estimates\_HIV\_20Oct2015.xlsx (from UNAIDS. NOT FOR PUBLIC.)

1i. Pneumonia\_careseeking\_treatment\_indicators\_June 2015\_UNICEF\_1582c25

 (MICS estimates for access to care; http://data.unicef.org/Pneumonia\_careseeking\_treatment\_indicators\_June%202015\_UNICEF\_1582c25.xlsx)

1j. child\_cod\_2000-2013\_unadj hib\_selected vars\_sent to Brian.dta (from Li Liu)

1k. global 2015\_national men epi.dta (from Li Liu)

2. Pneumonia

2a. pneumonia\_trials.csv

3. Meningitis Proportion

3a. meningitis\_cfr.csv

3b. meningitis\_proportion.csv

4. Meningitis Incidence

4a. hib\_incidence.csv

4b. spn\_incidence.csv

5. NPNM

5a. npnm.csv

 TABLE OF CONTENTS of the file “[Spn and Hib Burden.do](http://view-hub.org/resourcesfile/DiseaseBurden_Resources/Spn%20and%20Hib%20Burden.do%22%20%5Ct%20%22_blank)”:

 A. Prepare country inputs

 B. Estimate proportion of pneumonia deaths/cases

 C. Estimate proportion of meningitis deaths

 D. Estimate of NPNM ratio compared to meningitis cases

 E. Estimate pathogen-specific meningitis incidence and CFR

 F. Develop VEC estimates

 G. Pneumonia mortality estimates (HIV- and HIV+) and uncertainty ranges

 H. Pneumonia morbidity estimates (HIV- and HIV+) and uncertainty ranges

 I. Meningitis mortality estimates (HIV- and HIV+) and uncertainty ranges (Proportion)

 J. Meningitis morbidity estimates (HIV- and HIV+) and uncertainty ranges (Proportion)

 K. Meningitis morbidity estimates (HIV- and HIV+) and uncertainty ranges (Incidence)

 L. Meningitis mortality estimates (HIV- and HIV+) and uncertainty ranges (Incidence)

 M. NPNM morbidity estimates (HIV- and HIV+) and uncertainty ranges

 N. NPNM mortality estimates (HIV- and HIV+) and uncertainty ranges

 O. Calculate rates