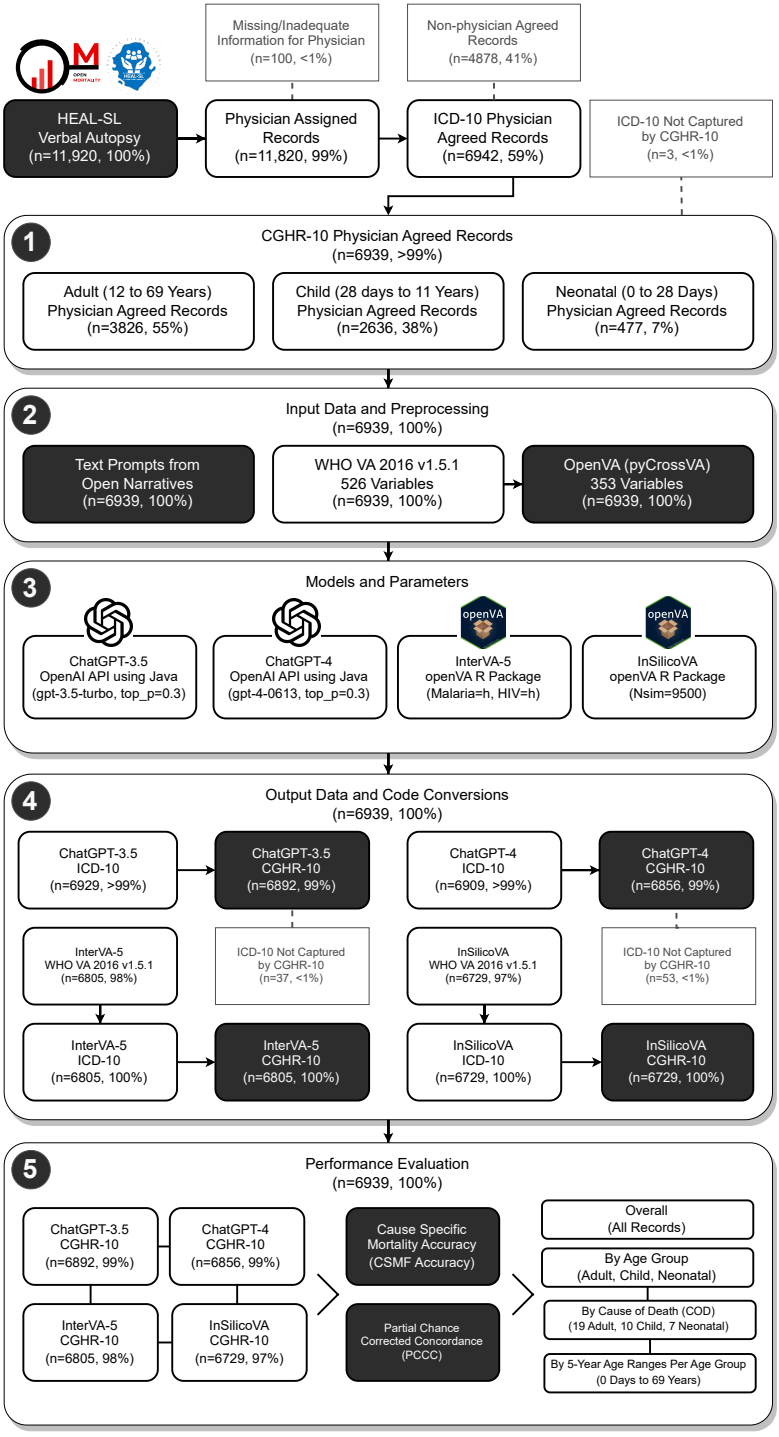
Missing/Inadequate Information for Physician (n=100, <1%)
Non-physician Agreed Records (n=4878, 41%)
HEAL-SL Verbal Autopsy (n=11,920, 100%)
Physician Assigned Records (n=11,820, 99%)
ICD-10 Physician Agreed Records (n=6942, 59%)
ICD-10 Not Captured by CGHR-10 (n=3, <1%)
1
CGHR-10 Physician Agreed Records (n=6939, >99%)
Adult (12 to 69 Years) Physician Agreed Records (n=3826, 55%)
Child (28 days to 11 Years) Physician Agreed Records (n=2636, 38%)
Neonatal (0 to 28 Days) Physician Agreed Records (n=477, 7%)
2
Input Data and Preprocessing (n=6939, 100%)
Text Prompts from Open Narratives (n=6939, 100%)
WHO VA 2016 v1.5.1 526 Variables (n=6939, 100%)
OpenVA (pyCrossVA) 353 Variables (n=6939, 100%)
3
Models and Parameters
ChatGPT-3.5 OpenAI API using Java (gpt-3.5-turbo, top_p=0.3)
ChatGPT-4 OpenAI API using Java (gpt-4-0613, top_p=0.3)
InterVA-5 openVA R Package (Malaria=h, HIV=h)
InSilicoVA openVA R Package (Nsim=9500)
4
Output Data and Code Conversions (n=6939, 100%)
ChatGPT-3.5 ICD-10 (n=6929, >99%)
ChatGPT-3.5 CGHR-10 (n=6892, 99%)
ChatGPT-4 ICD-10 (n=6909, >99%)
ChatGPT-4 CGHR-10 (n=6856, 99%)
InterVA-5 WHO VA 2016 v1.5.1 (n=6805, 98%)
ICD-10 Not Captured by CGHR-10 (n=37, <1%)
InSilicoVA WHO VA 2016 v1.5.1 (n=6729, 97%)
ICD-10 Not Captured by CGHR-10 (n=53, <1%)
InterVA-5 ICD-10 (n=6805, 100%)
InterVA-5 CGHR-10 (n=6805, 100%)
InSilicoVA ICD-10 (n=6729, 100%)
InSilicoVA CGHR-10 (n=6729, 100%)
5
Performance Evaluation (n=6939, 100%)
ChatGPT-3.5 CGHR-10 (n=6892, 99%)
ChatGPT-4 CGHR-10 (n=6856, 99%)
InterVA-5 CGHR-10 (n=6805, 98%)
InSilicoVA CGHR-10 (n=6729, 97%)
Cause Specific Mortality Accuracy (CSMF Accuracy)
Partial Chance Corrected Concordance (PCCC)
Overall (All Records)
By Age Group (Adult, Child, Neonatal)
By Cause of Death (COD) (19 Adult, 10 Child, 7 Neonatal)
By 5-Year Age Ranges Per Age Group (0 Days to 69 Years)