

Perspective Plan for Studies Combining Real World Data Sources

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Abstract: Many European countries have national registry databases. These data sources provide opportunities for medical research. However, for some research, the sample size in each data source is too small to draw a robust conclusion. But the privacy regulations in EU hinders researchers to combine several data sources together to conduct the analysis. In this research we will explore a 2-step analysis strategy: 1) the analysis is conducted on each data source that the consistent aggregated / summary data are generated for all sources; 2) the summary data from individual source will be combined for meta-analysis. In addition we will examine what are the additional information that is potentially useful for the meta-analysis, e.g., corrections of 2 variables.