

Background

What is Real World Evidence (RWE)?

RWE is clinical evidence about the use and benefits or risks of a treatment based on real world data—obtained through randomized trials, pragmatic trials, or observational studies.

Study Strengths and Limitations

Strengths

- Claims databases allow for analysis of large numbers of patients over time and are generally representative of the US patient population.
- Pharmacy claims provide an understanding of a patient's intent to take a prescribed medication; whereas a medication order would only show what medication a prescriber is proposing to treat a patient.
- Ability to better understand underserved populations which were not available in previous clinical studies with traditional design.

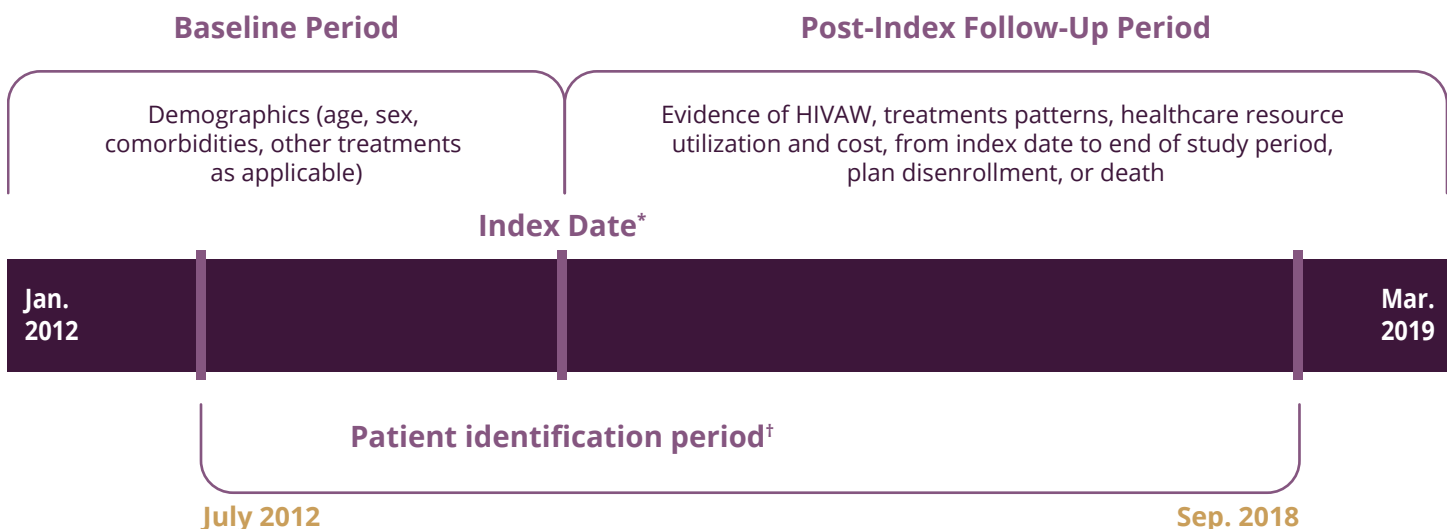
Limitations

- Claims data are not specifically collected for research purposes, and diagnostic and drug-use information are not always validated. As such, there can be missing information that limits the inferences that can be made from the data.
- As an analysis of administrative health care claims data, it does not take into account all clinical information.

Methods¹

Selection Criteria and Study Design

- Retrospective medical and pharmacy claims study using the IBM® MarketScan® Commercial and Medicare Supplemental Database and Medicaid Database
- Selection Criteria of the HIV+ Study Population



*Defined as first date that all criteria were met between July 1, 2012 and September 30, 2018.
†2012-2013 includes Medicaid only; 2019 includes Commercial/Medicare through March only.