Patients who received medical treatment from January 2009 to December 2018 (n=413,631)

Excluded patients
- Participated in clinical trials (n=1,540)
- ICD-10 C61 and Z988 definitive diagnosis by January 31, 2009, or from November 1 to December 31, 2018 (n=1,779)*

Target patients (n=410,356)

All possible cases (n=3,491)
- Patients with ICD-10 C61, Z988 definitive diagnosis from February 1, 2009, to October 31, 2018#

Excluding all possible cases (n=406,865)

Random sampling (extraction rate=100/3,491)

All possible cases for medical chart review (n=100)

Excluding all possible cases (n=11,655)

True positives with primary prostate cancer (n=79)