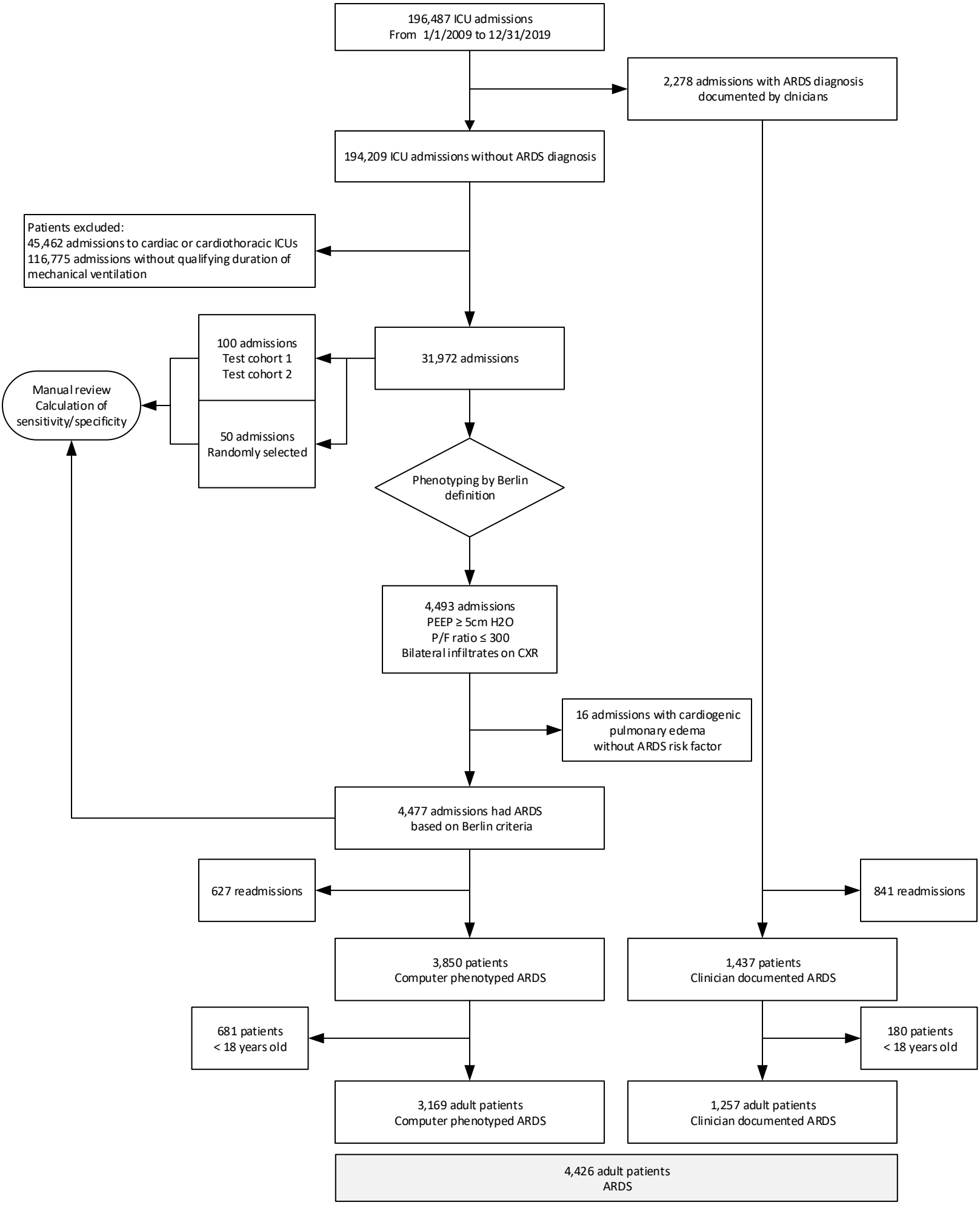
196,487 ICU admissions
From 1/1/2009 to 12/31/2019
2,278 admissions with ARDS diagnosis documented by clnicians
194,209 ICU admissions without ARDS diagnosis
Patients excluded:
45,462 admissions to cardiac or cardiothoracic ICUs
116,775 admissions without qualifying duration of mechanical ventilation
100 admissions
Test cohort 1
Test cohort 2
31,972 admissions
Manual review
Calculation of sensitivity/specificity
50 admissions
Randomly selected
Phenotyping by Berlin definition
4,493 admissions
PEEP ≥ 5cm H2O
P/F ratio ≤ 300
Bilateral infiltrates on CXR
16 admissions with cardiogenic pulmonary edema without ARDS risk factor
4,477 admissions had ARDS based on Berlin criteria
627 readmissions
841 readmissions
3,850 patients
Computer phenotyped ARDS
1,437 patients
Clinician documented ARDS
681 patients
< 18 years old
180 patients
< 18 years old
3,169 adult patients
Computer phenotyped ARDS
1,257 adult patients
Clinician documented ARDS
4,426 adult patients
ARDS