

Table S4. Characteristics of patient-year records exposed to at least two CPIC Level A drugs in CHIRA, 2015-2017 (N=668,880).

Characteristic	2015	2016	2017	2015-2017
N	162,248	222,082	284,550	668,880
Number (Male)	83,790 (51.6%)	114,757 (51.7%)	146,023 (51.3%)	344,570 (51.5%)
Number (Female)	78,458 (48.4%)	107,325 (48.3%)	138,527 (48.7%)	324,310 (48.5%)
Mean age	74.6	74.7	74.6	74.6
Number of patients aged in 65-79	122,895 (75.7%)	165,389 (74.5%)	213,097 (74.9%)	501,381 (75.0%)
Number of patients aged ≥80	39,353 (24.3%)	56,693 (25.5%)	71,453 (25.1%)	167,499 (25.0%)
Prescriptions with level A drugs	774,989	1,149,340	1,259,403	3,183,732
Region				
Eastern	70,517 (43.5%)	98,547 (44.4%)	91,519 (32.2%)	260,583 (39.0%)
Central	37,112 (22.9%)	52,299 (23.5%)	96,715 (34.0%)	186,126 (27.8%)
Western	46,882 (28.9%)	56,698 (25.5%)	80,714 (28.4%)	184,294 (27.6%)
Northeastern	7,737 (4.8%)	14,538 (6.5%)	15,602 (5.5%)	37,877 (5.7%)
Type of hospital visits				
Outpatient visits only	42,502 (26.2%)	61,583 (27.7%)	61,633 (21.7%)	165,718 (24.8%)
Hospitalizations	119,746 (73.8%)	160,499 (72.3%)	222,917 (78.3%)	503,162 (75.2%)
Type of insurance				
UEBMI	116,256 (71.7%)	161,258 (72.6%)	186,843 (65.7%)	464,357 (69.4%)
URRBMI	45,992 (28.3%)	60,824 (27.4%)	97,707 (34.3%)	204,523 (30.6%)
Medication situation				
Average number of medications	2.8	2.8	2.8	2.8
Number of "patient-drug pair" ^T	456,272	632,251	804,504	1,893,027

Abbreviations: UEBMI Urban Employee Basic Medical Insurance, URRBMI Urban Rural Resident Basic Medical Insurance.

All figures and proportions are based on the three years data in CHIRA (China Health Insurance Research Association) database from 2015 to 2017.

^T Number of "Patient-Drug Pair": When a patient uses a particular drug, it is considered as one "patient-drug pair".