

Table S5. Characteristics of patient-year records exposed to at least five CPIC Level A drugs in CHIRA, 2015-2017 (N=61,973).

Characteristic	2015	2016	2017	2015-2017
N	14,786	21,444	25,743	61,973
Number (Male)	8,036 (54.3%)	11,443 (53.4%)	13,517 (52.5%)	32,996 (53.2%)
Number (Female)	6,750 (45.7%)	10,001 (46.6%)	12,226 (47.5%)	28,977 (46.8%)
Mean age	74.8	75.1	75.1	75.1
Number of patients aged in 65-79	11,001 (74.4%)	15,419 (71.9%)	18,460 (71.7%)	44,880 (72.4%)
Number of patients aged ≥80	3,785 (25.6%)	6,025 (28.1%)	7,283 (28.3%)	17,093 (27.6%)
Prescriptions with level A drugs	135,694	211,456	205,807	552,957
Region				
Eastern	8,986 (60.8%)	13,109 (61.1%)	11,306 (43.9%)	33,401 (53.9%)
Central	3,315 (22.4%)	4,468 (20.8%)	8,297 (32.2%)	16,080 (25.9%)
Western	1,894 (12.8%)	2,717 (12.7%)	5,048 (19.6%)	9,659 (15.6%)
Northeastern	591 (4.0%)	1,150 (5.4%)	1,092 (4.2%)	2,833 (4.6%)
Type of hospital visits				
Outpatient visits only	1,577 (10.7%)	2,401 (11.2%)	1,868 (7.3%)	5,846 (9.4%)
Hospitalizations	13,209 (89.3%)	19,043 (88.8%)	23,875 (92.7%)	56,127 (90.6%)
Type of insurance				
UEBMI	12,337 (83.4%)	17,641 (82.3%)	18,833 (73.2%)	48,811 (78.8%)
URRBMI	2,449 (16.6%)	3,803 (17.7%)	6,910 (26.8%)	13,162 (21.2%)
Medication situation				
Average number of medications	5.8	5.8	5.7	5.7
Number of "patient-drug pair" ^T	85,101	123,430	146,658	355,189

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".