

Supplementary Table 1 Baseline characteristics of statin user and non-user of 2016 HIRA-NPS data

Variable	Statin user (n = 17413)	Statin non-user (n = 17267)	P
Gender (male)	8,435 (48.44%)	10,075 (58.35%)	<0.0001
Age group (10-yr interval)			0.0770
30-39	319 (1.83%)	416 (2.41%)	
40-49	1,718 (9.87%)	1,853 (10.73%)	
50-59	4,559 (26.18%)	4,270 (24.73%)	
60-69	5,332 (30.62%)	4,677 (27.09%)	
≥ 70	5,485 (31.50%)	6,051 (35.04%)	

Supplementary Table 2 Baseline characteristics of statin user and non-user of 2017 HIRA-NPS data

Variable	Statin user (<i>n</i> = 18707)	Statin non-user (<i>n</i> = 16882)	<i>P</i>
Gender (male)	9,105 (48.67%)	9,958 (58.99%)	< 0.0001
Age group (10-year interval)			0.0631
30-39	415 (2.22%)	442 (2.62%)	
40-49	2,034 (10.87%)	1,946 (11.53%)	
50-59	5,024 (26.86%)	4,314 (25.55%)	
60-69	5,522 (29.52%)	4,559 (27.01%)	
≥ 70	5,712 (30.53%)	5,621 (33.30%)	

Supplementary Table 3 Baseline characteristics of metformin user and non-user of 2016 HIRA-NPS data

Variable	Metformin user (n = 30683)	Metformin non-user (n = 3922)	P
Gender (male)	16,497 (53.77%)	1,950 (49.72%)	<0.0001
Age group (10-year interval)			<0.0001
30-39	647 (2.11%)	73 (1.86%)	
40-49	3,307 (10.78%)	246 (6.27%)	
50-59	8,113 (26.44%)	705 (17.98%)	
60-69	8,894 (28.99%)	1,093 (27.87%)	
≥ 70	9,722 (31.69%)	1,805 (46.02%)	

Supplementary Table 4 Baseline characteristics of metformin user and non-user of 2017 HIRA-NPS data

Variable	Metformin user (n = 31624)	Metformin non-user (n = 4004)	P
Gender (male)	17,117 (54.13%)	1,963 (49.03%)	< 0.0001
Age group (10-year interval)			< 0.0001
30-39	789 (2.49%)	71 (1.77%)	
40-49	3,706 (11.72%)	279 (6.97%)	
50-59	8,508 (26.90%)	848 (21.18%)	
60-69	9,049 (28.61%)	1,046 (26.12%)	
≥ 70	9,572 (30.27%)	1,760 (43.96%)	

Supplementary Table 5 Baseline characteristics of statin + metformin user and non-user of 2016 HIRA-NPS data

Variable	Statin Metformin user (n = 14524)	+ Statin Metformin user (n = 2175)	& P
Gender (male)	7,080 (48.75%)	1,166 (53.61%)	<0.000 1
Age group (10-year interval)			<0.000 1
30-39	288 (1.98%)	48 (2.21%)	
40-49	1,587 (10.93%)	155 (7.13%)	
50-59	4,026 (27.72%)	359 (16.51%)	
60-69	4,432 (30.52%)	558 (25.66%)	
≥ 70	4,191 (28.86%)	1,055 (48.51%)	

Supplementary Table 6 Baseline characteristics of statin + metformin user and non-user of 2017 HIRA-NPS data

Variable	Statin Metformin user (n = 16096)	+ Statin Metformin user (n = 2040)	& P
Gender (male)	7,869 (48.89%)	1,090 (53.43%)	< 0.0001
Age group (10-year interval)			< 0.0001
30-39	396 (2.46%)	50 (2.45%)	
40-49	1,880 (11.68%)	144 (7.06%)	
50-59	4,547 (28.25%)	442 (21.67%)	
60-69	4,748 (29.50%)	476 (23.33%)	
≥ 70	4,525 (28.11%)	928 (45.49%)	