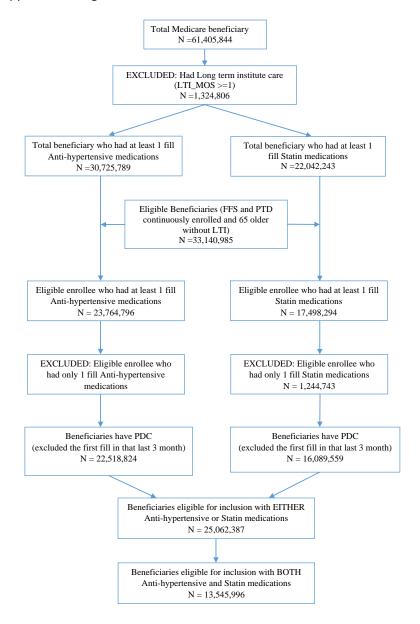
Supplemental Figure 1



Supplemental Table 1: Antihypertensive and statin medication adherence among Medicare Part D beneficiaries aged \geq 65 years, by state and territory, United States, 2017

State	Antihypertens	ive Medications	Statin me	edications	Antihypertensive + statin medications		
	Total (N)	Adherent(%)	Total (N)	Adherent (%)	Total (N)	Adherent (%)	
Alaska (AK)	15488	72.8	10,090	78.4	5779.0	66.48	
Alabama (AL)	374231	74.3	248,323	80.4	145904	67.12	
Arkansas (AR)	216773	73.0	135,646	80.7	78837	66.60	
American Samoa (AS)	74	59.5	56	57.1	23	46.00	
Arizona (AZ)	450490	75.2	317,380	81.2	175194	68.30	
California (CA)	2368447	76.4	1,773,413	81.9	1016633	70.02	
Colorado (CO)	275803	77.8	207,195	84.2	114056	72.49	
Connecticut (CT)	268624	80.6	201,364	84.0	122758	73.75	
District of Columbia (DC)	22840	71.1	16,231	76.6	8881	64.25	
Delaware (DE)	78969	79.4	61,542	83.3	37355	72.60	
Florida (FL)	1775589	76.7	1,309,801	81.3	749812	69.09	
Georgia (GA)	621983	73.4	426,354	79.4	241691	66.08	
Guam (GU)	1728	57.2	1,237	58.1	532	47.93	
Hawaii (HI)	94821	79.2	76,477	84.1	46089	74.14	
Iowa (IA)	252034	82.7	182,268	87.2	118106	77.29	
Idaho (ID)	102298	78.2	67,089	84.2	39612	72.53	
Illinois (IL)	852739	79.0	607,589	82.9	373754	72.04	
Indiana (IN)	495147	79.2	341,347	83.7	212849	72.59	
Kansas (KS)	195071	78.6	136,272	84.1	82261	72.46	
Kentucky (KY)	348114	75.8	236,515	81.6	142764	68.81	
Los Angeles (LA)	329380	73.2	227,303	80.2	133919	66.67	
Massachusetts (MA)	478614	81.5	368,384	85.2	229639	75.13	
Maryland (MD)	324785	77.5	235,012	82.0	141320	70.65	
Maine (ME)	111064	82.5	82,949	86.9	52847	77.22	

State	Antihypertens	ive medications	Statin m	edications	* *	Antihypertensive+ Statin medications		
	Total N	Adherent (%)	Total N	Adherent (%)	Total N	Adherent (%)		
Michigan (MI)	824917	78.7	578,927	82.4	349824	71.45		
Minnesota (MN)	385674	83.2	286,650	87.7	183158	78.11		
Missouri (MO)	464132	78.0	315,710	83.4	192647	71.58		
Mississippi(MS)	219475	71.0	142,290	76.9	80528	63.13		
Montana (MT)	69548	79.3	44,673	84.1	26874	73.41		
North Carolina (NC)	746381	75.8	513,213	80.4	297623	68.02		
North Dakota (ND)	48231	83.8	33,659	86.7	22270	77.93		
Nebraska (NE)	129232	80.3	89,119	85.3	55746	74.44		
New Hampshire (NH)	90722	82.6	68,708	86.4	43260	76.92		
New Jersey (NJ)	624831	78.2	455,308	81.5	272206	70.65		
New Mexico (NM)	123792	73.9	80,173	80.0	43380	66.97		
Nevada(NV)	171227	75.5	121,924	81.1	69144	68.76		
New York (NY)	1420707	78.0	1,043,561	81.2	624061	70.62		
Ohio (OH)	942263	78.8	662,305	83.2	408915	72.15		
Oklahoma (OK)	247458	73.5	159,936	81.3	92748	66.92		
Oregon (OR)	296071	78.7	211,520	85.0	126141	73.71		
Pennsylvania (PA)	1091790	79.4	778,464	83.4	476323	72.64		
Puerto Rico (PR)	329106	65.9	239,681	61.8	111415	52.60		
Rhode Island (RI)	83644	80.5	61,808	83.3	38279	72.84		
South Carolina (SC)	382534	74.5	273,617	79.5	154933	66.81		
South Dakota (SD)	60871	81.7	40,012	85.6	25524	76.12		
Tennessee (TN)	520617	75.7	344,571	81.7	205563	68.80		
Texas (TX)	1505978	73.6	1,065,372	79.8	607218	66.41		
Utah (UT)	122531	75.6	88,540	82.3	48193	69.48		
Virginia (VA)	488714	77.6	350,184	82.2	209296	70.54		
Virgin Islands (VI)	6805	52.0	3,363	48.5	1169	39.27		
Vermont (VT)	49053	82.8	34,240	88.2	21977	78.46		

Washington (WA)	397922	78.5	287,877	84.4	172753	73.06
Wisconsin (WI)	427960	83.3	317,465	86.8	206402	77.53
West Virginia (WV)	159445	77.1	106,626	82.7	66150	70.47
Wyoming (WY)	32087	76.9	20,226	83.6	11759	71.33

Supplemental Table 2: Antihypertensive and statin medication adherence among Medicare Part D beneficiaries aged ≥65 years, by state and territory, United States, 2017 county estimates.

	Antihypertensive medications			S	Statin medica	tions	Antihypertensive+ Statin medications		
	Cou	ınty level esti	mates	County level estimates			County level estimates		
State	Minimum	Maximum	No. with	Minimum	Maximum	No. with	Minimum	Maximum	No. with
	%	%	Adherence	%	%	Adherence	%	%	Adherence >80%
	Adherent	Adherent	>80%	Adherent	Adherent	>80%	Adherent	Adherent	110110101100 > 0070
AK	25.7%	83.7%	2	36.0%	91.7%	10	20.8%	78.6%	0
AL	67.0%	77.1%	0	72.4%	83.8%	34	60.1%	70.6%	0
AR	64.5%	78.4%	0	73.5%	84.7%	40	55.2%	73.2%	0
AS	59.5%	59.5%	0	57.1%	57.1%	0	46.0%	46.0%	0
AZ	56.7%	76.7%	0	64.0%	83.1%	5	51.3%	70.9%	0
CA	66.5%	80.5%	4	69.7%	85.8%	43	55.6%	77.8%	0
CO	65.3%	82.4%	5	74.5%	90.5%	56	64.0%	92.9%	1
CT	78.8%	83.8%	7	82.4%	86.6%	8	71.4%	77.6%	0
DC	71.1%	71.1%	0	76.6%	76.6%	0	64.2%	64.2%	0
DE	78.5%	80.5%	1	83.0%	83.7%	3	72.0%	73.2%	0
FL	71.2%	80.9%	1	76.5%	84.8%	47	62.8%	73.9%	0
GA	62.7%	83.2%	1	71.3%	87.1%	56	55.3%	78.7%	0
GU	57.2%	57.2%	0	58.1%	58.1%	0	47.9%	47.9%	0
HI	77.9%	79.7%	0	83.5%	84.2%	4	73.0%	74.5%	0
IA	74.4%	87.2%	89	82.6%	90.9%	99	68.4%	83.0%	12
ID	63.6%	81.4%	4	75.9%	87.2%	37	61.4%	81.5%	1
IL	74.9%	84.5%	60	79.7%	88.3%	98	66.8%	78.6%	0
IN	73.6%	84.8%	41	79.1%	87.9%	90	66.7%	78.1%	0
KS	69.4%	84.7%	28	76.7%	91.9%	95	59.8%	84.9%	4
KY	67.4%	79.7%	0	74.3%	88.1%	83	60.4%	73.6%	0

LA	64.0%	77.9%	0	73.7%	85.7%	21	58.7%	72.2%	0
MA	78.3%	82.3%	11	82.4%	86.5%	14	72.0%	76.3%	0
MD	70.3%	82.9%	7	74.3%	86.5%	22	62.5%	76.0%	0
ME	80.0%	84.6%	15	85.2%	89.6%	16	74.5%	79.9%	0
MI	74.1%	84.7%	52	78.4%	88.0%	82	66.5%	80.0%	1
MN	80.4%	87.8%	87	81.8%	91.7%	87	70.6%	83.8%	17
MO	70.8%	82.8%	19	77.4%	89.8%	110	62.7%	79.1%	0
MS	62.5%	75.6%	0	65.0%	81.1%	3	49.6%	67.6%	0
MT	66.9%	88.2%	22	72.4%	93.8%	46	59.1%	87.3%	3
NC	68.2%	80.2%	1	72.6%	86.1%	59	58.3%	74.5%	0
ND	53.9%	88.5%	50	59.6%	93.0%	51	40.4%	84.6%	11
NE	71.3%	84.4%	41	77.4%	92.0%	87	55.8%	82.8%	3
NH	81.1%	83.8%	10	85.8%	87.4%	10	75.4%	78.4%	0
NJ	72.5%	81.3%	6	75.4%	85.9%	18	64.0%	75.4%	0
NM	65.1%	78.3%	0	67.2%	83.5%	11	48.3%	71.5%	0
NV	69.0%	80.0%	1	70.5%	85.6%	11	56.8%	76.5%	0
NY	71.7%	84.4%	49	75.3%	88.5%	58	63.9%	79.7%	0
ОН	73.3%	84.7%	29	77.8%	87.3%	86	64.1%	78.0%	0
OK	67.0%	79.5%	0	73.6%	85.6%	55	56.4%	76.0%	0
OR	70.2%	84.0%	6	77.2%	88.2%	34	64.6%	76.8%	0
PA	73.2%	82.7%	37	78.0%	87.0%	66	66.1%	77.2%	0
PR	47.6%	74.4%	0	40.4%	73.1%	0	30.8%	64.0%	0
RI	80.0%	82.6%	5	82.7%	85.5%	5	72.3%	74.7%	0
SC	62.4%	78.0%	0	69.8%	82.3%	12	54.1%	70.6%	0
SD	40.6%	88.3%	45	51.2%	91.3%	55	34.3%	83.3%	8
TN	70.7%	80.2%	2	75.7%	87.7%	83	60.7%	75.5%	0
TX	60.0%	81.3%	2	65.3%	89.5%	137	50.1%	77.0%	0

UT	61.4%	83.6%	2	71.4%	85.3%	23	57.3%	76.3%	0
VA	68.3%	84.1%	15	73.5%	87.9%	105	59.8%	77.0%	0
VI	51.1%	58.0%	0	46.9%	60.9%	0	38.3%	52.9%	0
VT	80.8%	86.0%	14	86.1%	89.9%	14	75.1%	82.6%	1
WA	70.3%	81.1%	3	76.5%	88.4%	35	63.5%	75.9%	0
WI	77.3%	86.8%	70	83.3%	89.5%	72	72.8%	81.6%	10
WV	71.6%	82.3%	2	77.9%	86.7%	53	64.0%	78.9%	0
WY	73.4%	82.2%	1	79.4%	89.1%	22	65.9%	79.1%	0

Abbreviations: State Abbreviations for State Names in Supplemental Table 2 are the same as in Supplemental Table 1 so, please refer to Supplemental Table 1 for State names. MP= Northern Mariana Islands

Supplemental Table 3. Mean proportion of days covered for antihypertensive and statin medications by beneficiary characteristics, Medicare Part D, 2017

		Antihypertensive medications	Statin medications	Antihypertensive and Statin medications	
	Total	Mean PDC	Mean PDC	Antihypertensive	Statin
	beneficiaries			Mean PDC	Mean PDC
	N				
Participant Characteristics					
Total	25,062387	22,518,824	16,089,559	13,5	45,996
Sex, by age (years)					
Female					
65–74	7,004,430	0.87	0.88	0.89	0.89
75–84	5,127,363	0.87	0.89	0.88	0.89
≥85	2,433,298	0.87	0.89	0.88	0.89
Male					
65–74	5,524,450	0.88	0.90	0.89	0.90
75–84	3,779,908	0.88	0.90	0.89	0.90
≥85	1,192,938	0.86	0.90	0.87	0.90
Race/Ethnicity					
White, Non-Hispanic	19,060,049	0.88	0.90	0.89	0.90
Black	2,259,943	0.84	0.85	0.85	0.85
Asian/Pacific Islander	864,884	0.88	0.89	0.89	0.90
American Indian/Alaska	64,440	0.81	0.84	0.83	0.84
Native					
Hispanic	2,295,176	0.85	0.85	0.86	0.86
Other	204,509	0.87	0.89	0.89	0.90
Unknown	313,386	0.89	0.90	0.90	0.91
Income status					
Standard	20,451,812	0.88	0.89	0.89	0.90
LIS or Medicaid dual	4,610,575	0.85	0.88	0.87	0.88

eligible					
Prescription medication plan type					
FFS-PDP	13,183,329	0.87	0.89	0.88	0.90
MA-PD	11,879,058	0.87	0.89	0.89	0.89
Urban/Rural Classification					
Metro	20,787,808	0.87	0.89	0.88	0.90
Micro	2,468,380	0.87	0.89	0.89	0.90
Rural	1,806,199	0.87	0.89	0.88	0.89
Any fixed-dose combination use					
No	958,782	0.87	0.87	0.89	0.89
Yes	24,103,605	0.87	0.90	0.88	0.90
Any mail order use					
No	19,933,072	0.87	0.88	0.88	0.89
Yes	51,293,315	0.90	0.92	0.90	0.92
Continuity of care for medication					
management proxy					
1 prescriber	14,044,693	0.89	0.89	0.90	0.90
2 prescribers	6,957,169	0.86	0.89	0.88	0.89
≥3 prescribers	4,060,525	0.84	0.89	0.85	0.88