

CMS Chronic Condition Data Warehouse (CCW)
Number of Medicare Beneficiaries¹ by Demographic Condition and Assessment Type
2008 Through 2017

Table E.2

Beneficiary Demographics	Assessment Type²	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total	<i>n</i>	47,868,545	48,916,748	50,052,744	51,667,138	53,540,264	55,206,238	56,767,788	58,294,195	59,818,481	61,405,844
	MDS ³	3,183,379	3,191,165	3,286,093	3,354,207	3,369,900	3,449,229	3,491,527	3,563,958	3,564,288	3,577,941
	OASIS ⁴	4,083,329	4,300,392	4,475,850	4,560,435	4,586,137	4,768,534	4,793,804	4,895,993	4,994,842	5,066,328
	IRF-PAI ⁵	373,308	384,185	383,984	393,020	397,203	404,155	406,374	414,051	415,976	417,876
	Swing Bed ⁶	35,563	32,481	28,579	22,674	20,306	20,141	18,286	16,972	16,021	15,133
	At least one	6,243,997	6,417,865	6,613,113	6,701,504	6,715,202	6,920,055	6,949,432	7,060,158	7,138,831	7,197,138
Age (in years)⁷ <65	<i>n</i>	7,909,028	8,134,830	8,428,573	8,753,837	8,989,197	9,180,546	9,286,843	9,328,039	9,310,689	9,242,198
	MDS	248,283	259,765	274,001	287,175	289,672	305,552	314,347	320,943	325,200	319,775
	OASIS	496,638	544,026	580,846	603,576	606,646	631,357	633,361	633,110	639,290	623,530
	IRF-PAI	42,302	45,416	46,502	49,065	49,581	50,826	52,133	52,975	53,538	53,353
	Swing Bed	2,968	2,907	2,623	2,046	1,831	1,846	1,779	1,583	1,562	1,421
	At least one	676,851	727,141	768,977	796,270	797,852	830,693	835,903	838,582	846,361	827,281
65-74	<i>n</i>	20,629,776	21,288,702	21,891,454	22,958,867	24,342,520	25,498,505	26,663,035	27,772,183	28,879,406	29,865,219
	MDS	530,757	549,341	578,693	610,214	635,709	677,934	710,407	744,815	773,632	784,388
	OASIS	1,008,843	1,069,490	1,113,312	1,140,875	1,169,531	1,237,605	1,263,957	1,304,266	1,353,925	1,377,493
	IRF-PAI	107,688	111,635	113,394	116,319	120,314	124,655	127,660	132,303	134,920	137,183
	Swing Bed	7,565	7,037	6,343	5,022	4,582	4,762	4,446	4,204	4,019	3,784
	At least one	1,357,645	1,423,041	1,477,542	1,518,168	1,559,534	1,650,400	1,692,214	1,749,537	1,814,349	1,842,431
75+	<i>n</i>	19,329,741	19,493,216	19,732,717	19,954,434	20,208,547	20,527,187	20,817,910	21,193,973	21,628,386	22,298,427
	MDS	2,404,339	2,382,059	2,433,399	2,456,818	2,444,519	2,465,743	2,466,773	2,498,200	2,465,456	2,473,778
	OASIS	2,577,848	2,686,876	2,781,692	2,815,984	2,809,960	2,899,572	2,896,486	2,958,617	3,001,627	3,065,305
	IRF-PAI	223,318	227,134	224,088	227,636	227,308	228,674	226,581	228,773	227,518	227,340
	Swing Bed	25,030	22,537	19,613	15,606	13,893	13,533	12,061	11,185	10,440	9,928
	At least one	4,209,501	4,267,683	4,366,594	4,387,066	4,357,816	4,438,962	4,421,315	4,472,039	4,478,121	4,527,426

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Beneficiary Demographics	Assessment Type²	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Medicare Status											
Aged	<i>n</i>	39,959,517	40,781,918	41,624,171	42,913,301	44,551,067	46,025,692	47,480,945	48,966,156	50,507,792	52,163,646
	MDS	2,935,096	2,931,400	3,012,092	3,067,032	3,080,228	3,143,677	3,177,180	3,243,015	3,239,088	3,258,166
	OASIS	3,586,691	3,756,366	3,895,004	3,956,859	3,979,491	4,137,177	4,160,443	4,262,883	4,355,552	4,442,798
	IRF-PAI	326,774	331,006	338,769	337,482	343,955	347,622	353,329	354,241	362,438	364,523
	Swing Bed	34,825	32,595	29,574	25,956	20,628	18,475	18,295	16,507	14,459	13,712
	At least one	5,421,294	5,567,146	5,690,724	5,844,136	5,905,234	5,917,350	6,089,362	6,113,529	6,292,470	6,369,857
Disabled	<i>n</i>	7,909,028	8,134,830	8,428,573	8,753,837	8,989,197	9,180,546	9,286,843	9,328,039	9,310,689	9,242,198
	MDS	248,283	259,765	274,001	287,175	289,672	305,552	314,347	320,943	325,200	319,775
	OASIS	496,638	544,026	580,846	603,576	606,646	631,357	633,361	633,110	639,290	623,530
	IRF-PAI	40,281	42,302	45,416	46,502	49,065	49,581	50,826	52,133	53,538	53,353
	Swing Bed	3,008	2,968	2,907	2,623	2,046	1,831	1,846	1,779	1,562	1,421
	At least one	639,897	676,851	727,141	768,977	796,270	797,852	830,693	835,903	846,361	827,281
Dual Status⁸											
Full	<i>n</i>	6,064,783	6,166,319	6,275,611	6,459,117	6,619,884	6,763,720	6,960,506	7,155,571	7,239,075	7,452,564
	MDS	1,269,445	1,262,585	1,278,962	1,285,969	1,278,922	1,291,276	1,292,110	1,304,116	1,312,176	1,313,286
	OASIS	851,508	901,344	947,835	976,335	975,155	999,129	983,372	983,185	1,003,063	1,010,278
	IRF-PAI	48,451	49,758	48,859	50,582	50,579	50,185	50,562	50,530	51,285	53,210
	Swing Bed	8,138	7,325	6,547	4,903	4,191	4,049	3,593	3,245	2,955	2,749
	At least one	1,934,472	1,967,262	2,014,061	2,035,068	2,020,739	2,046,101	2,026,075	2,028,860	2,051,879	2,056,236
Partial	<i>n</i>	1,556,674	1,650,695	1,831,694	2,047,238	2,212,145	2,330,383	2,432,255	2,536,529	2,656,714	2,666,075
	MDS	48,862	53,164	61,320	71,483	76,083	81,728	86,977	93,821	97,565	97,858
	OASIS	178,878	198,024	222,156	241,311	247,946	258,792	262,256	270,265	279,613	277,089
	IRF-PAI	11,775	12,839	14,233	15,292	16,088	16,449	16,711	17,919	19,211	19,035
	Swing Bed	1,797	1,754	1,619	1,395	1,262	1,364	1,363	1,302	1,330	1,289
	At least one	200,718	220,883	248,205	271,351	279,714	293,108	298,058	308,801	320,150	316,830

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Not dual	<i>n</i>	40,247,088	41,099,734	41,945,439	43,160,783	44,708,235	46,112,135	47,375,027	48,602,095	49,922,692	51,287,205
	MDS	1,865,072	1,875,416	1,945,811	1,996,755	2,014,895	2,076,225	2,112,440	2,166,021	2,154,547	2,166,797
	OASIS	3,052,943	3,201,024	3,305,859	3,342,789	3,363,036	3,510,613	3,548,176	3,642,543	3,712,166	3,778,961
	IRF-PAI	313,082	321,588	320,892	327,146	330,536	337,521	339,101	345,602	345,480	345,631
	Swing Bed	25,628	23,402	20,413	16,376	14,853	14,728	13,330	12,425	11,736	11,095
	At least one	4,108,807	4,229,720	4,350,847	4,395,085	4,414,749	4,580,846	4,625,299	4,722,497	4,766,802	4,824,072
Sex Female	<i>n</i>	26,492,343	26,995,262	27,542,228	28,326,854	29,261,068	30,104,153	30,907,236	31,698,265	32,494,483	33,328,860
	MDS	2,114,338	2,105,409	2,154,013	2,183,004	2,178,758	2,209,072	2,219,144	2,247,555	2,232,084	2,222,575
	OASIS	2,567,406	2,695,195	2,797,824	2,840,257	2,840,728	2,937,232	2,936,409	2,985,501	3,039,900	3,072,736
	IRF-PAI	220,839	224,019	222,215	225,978	226,895	226,864	224,770	225,727	224,682	222,648
	Swing Bed	22,917	20,814	18,334	14,376	12,887	12,625	11,294	10,574	10,118	9,409
	At least one	3,997,573	4,086,287	4,192,124	4,225,862	4,209,978	4,306,935	4,296,031	4,339,105	4,368,530	4,381,332
	Male	<i>n</i>	21,376,202	21,921,409	22,510,449	23,340,277	24,279,188	25,102,074	25,860,542	26,595,919	27,323,987
MDS		1,069,041	1,085,746	1,132,068	1,171,203	1,191,142	1,240,157	1,272,383	1,316,403	1,332,204	1,355,366
OASIS		1,515,923	1,605,185	1,678,020	1,720,178	1,745,408	1,831,302	1,857,394	1,910,492	1,954,942	1,993,592
IRF-PAI		152,469	160,166	161,769	167,042	170,308	177,291	181,604	188,324	191,294	195,228
Swing Bed		12,646	11,667	10,245	8,298	7,419	7,516	6,992	6,398	5,903	5,724
At least one		2,246,424	2,331,559	2,420,974	2,475,642	2,505,223	2,613,120	2,653,400	2,770,301	2,770,301	2,815,806
Race⁹ White	<i>n</i>	39,789,400	40,529,078	41,305,582	42,458,399	43,788,092	44,891,326	45,894,256	46,857,428	47,820,497	48,838,804
	MDS	2,648,322	2,643,625	2,711,310	2,756,688	2,757,647	2,805,461	2,824,456	2,866,678	2,843,891	2,840,165
	OASIS	3,137,771	3,278,012	3,387,323	3,440,969	3,461,403	3,598,021	3,624,150	3,712,209	3,777,735	3,834,698
	IRF-PAI	306,129	312,502	311,002	317,562	319,116	323,266	322,987	327,299	325,929	326,212
	Swing Bed	32,297	29,400	25,769	20,451	18,468	18,106	16,310	15,171	14,218	13,437
	At least one	4,927,165	5,024,459	5,144,988	5,196,036	5,198,676	5,340,934	5,358,298	5,439,898	5,473,678	5,509,661

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Black	<i>n</i>	4,849,568	4,990,227	5,152,640	5,351,671	5,570,370	5,785,998	5,989,876	6,191,773	6,380,652	6,570,168
	MDS	327,928	332,617	345,230	354,506	358,584	372,621	384,069	397,876	408,682	414,318
	OASIS	520,929	562,262	596,008	610,195	610,431	630,267	627,574	634,047	643,287	645,568
	IRF-PAI	39,342	41,581	41,889	42,809	43,939	44,540	45,371	46,742	48,283	48,677
	Swing Bed	2,316	2,108	1,960	1,567	1,232	1,376	1,433	1,322	1,318	1,274
	At least one	748,688	787,547	822,864	838,187	838,135	864,001	866,503	878,153	893,185	897,808
Hispanic	<i>n</i>	1,200,211	1,247,337	1,305,680	1,373,477	1,446,109	1,519,520	1,592,151	1,673,201	1,726,745	1,816,292
	MDS	133,196	138,658	148,447	157,616	164,373	175,080	182,249	191,579	198,839	204,649
	OASIS	317,293	342,804	366,093	375,122	376,229	390,527	387,871	385,706	394,923	394,916
	IRF-PAI	18,855	20,674	21,437	22,395	23,288	24,705	25,537	26,832	27,576	27,949
	Swing Bed	511	558	492	368	319	335	277	224	224	189
	At least one	406,568	434,124	462,201	474,667	479,848	500,725	503,085	506,971	519,580	522,462
Other	<i>n</i>	2,029,366	2,150,106	2,288,842	2,483,591	2,735,693	3,009,394	3,291,505	3,571,793	3,890,587	4,180,580
	MDS	73,933	76,265	81,106	85,397	89,296	96,067	100,753	107,825	112,876	118,809
	OASIS	107,336	117,314	126,426	134,149	138,074	149,719	154,209	164,031	178,897	191,146
	IRF-PAI	8,982	9,428	9,656	10,254	10,860	11,644	12,479	13,178	14,188	15,038
	Swing Bed	439	415	358	288	287	324	266	255	256	233
	At least one	161,576	171,735	183,060	192,614	198,543	214,395	221,546	235,136	252,388	267,207

Footnotes:

- ¹ Includes all Medicare beneficiaries who were eligible for or enrolled in Medicare on or after January 1, YYYY.
- ² In any given year a beneficiary may be counted in more than one Assessment Type category.
- ³ MDS - Minimum Data Set: Assessment data collected by nursing homes.
- ⁴ OASIS - Outcome and Assessment Information Set: Assessment data collected by home health agencies.
- ⁵ IRF-PAI - Inpatient Rehabilitation Facility Patient Assessment Instrument: Assessment data collected by inpatient rehabilitation facilities.
- ⁶ Swing Bed: Assessment data collected by swing bed facilities.
- ⁷ Age is calculated based on the age of the Medicare beneficiary as of December 31, YYYY. If the beneficiary expired, age is calculated based on age at the time of death.
- ⁸ The state-reported dual status code (variable called DUAL_STUS_CD_MM) is used to identify beneficiaries dually enrolled in Medicare and Medicaid. Dual coverage was defined as DUAL_STUS_CD_MM = 01, 02, 03, 04, 05, 06 or 08 for 11 or 12 months of the year, or until time of death. Of those, a beneficiary was considered a Full benefit dual if they had DUAL_STUS_CD_MM = 02, 04 or 08 for a minimum of one month during the year. All other duals were considered partial.
- ⁹ Race variable is calculated using the RTI race categories.

NOTE: The beneficiaries included in these counts may have any combination of Medicare coverage, including full or partial fee-for-service and/or HMO coverage. The application of coverage restrictions/criteria will impact the size of these samples.

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