

Table 1. Linked NCHS-CMS Medicare data (2014-2018) - Sample Sizes and Unweighted Percentages by Survey and Age at Interview: National Health Interview Survey (NHIS)

	All NHIS participants age 18 and over ¹					Sample Adult ²				
	Total sample ⁷	Eligible for linkage ^{3,4,5}		Linked to Medicare ⁶		Total sample ⁷	Eligible for linkage ^{3,4,5}		Linked to Medicare ⁶	
		n	Percent of total ⁸	n	Percent of eligible ⁹		n	Percent of total ⁸	n	Percent of eligible ⁹
NHIS 2018										
Total	25,417	---	---	---	---	25,417	22,533	88.7	7,286	32.3
18-64	18,120	---	---	---	---	18,120	16,098	88.8	1,134	7.0
65 and over	7,297	---	---	---	---	7,297	6,435	88.2	6,152	95.6
NHIS 2017										
Total	26,742	---	---	---	---	26,742	23,478	87.8	7,646	32.6
18-64	19,408	---	---	---	---	19,408	17,158	88.4	1,633	9.5
65 and over	7,334	---	---	---	---	7,334	6,320	86.2	6,013	95.1
NHIS 2016										
Total	33,028	---	---	---	---	33,028	28,917	87.6	9,824	34.0
18-64	24,126	---	---	---	---	24,126	21,228	88.0	2,480	11.7
65 and over	8,902	---	---	---	---	8,902	7,689	86.4	7,344	95.5
NHIS 2015										
Total	33,672	---	---	---	---	33,672	29,957	89.0	10,075	33.6
18-64	25,294	---	---	---	---	25,294	22,518	89.0	3,037	13.5
65 and over	8,378	---	---	---	---	8,378	7,439	88.8	7,038	94.6
NHIS 2014										
Total	36,697	---	---	---	---	36,697	32,234	87.8	10,762	33.4
18-64	28,053	---	---	---	---	28,053	24,706	88.1	3,606	14.6
65 and over	8,644	---	---	---	---	8,644	7,528	87.1	7,156	95.1
NHIS 2013										
Total	34,557	---	---	---	---	34,557	30,386	87.9	10,097	33.2
18-64	26,825	---	---	---	---	26,825	23,629	88.1	3,830	16.2
65 and over	7,732	---	---	---	---	7,732	6,757	87.4	6,267	92.8
NHIS 2012										

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	Total sample ⁷	Eligible for linkage ^{3,4,5}		Linked to Medicare ⁶		Total sample ⁷	Eligible for linkage ^{3,4,5}		Linked to Medicare ⁶	
		n	Percent of total ⁸	n	Percent of eligible ⁹		n	Percent of total ⁸	n	Percent of eligible ⁹
Total	34,525	---	---	---	---	34,525	30,626	88.7	10,363	33.8
18-64	27,143	---	---	---	---	27,143	24,141	88.9	4,504	18.7
65 and over	7,382	---	---	---	---	7,382	6,485	87.9	5,859	90.4
NHIS 2011										
Total	33,014	---	---	---	---	33,014	29,521	89.4	9,656	32.7
18-64	26,112	---	---	---	---	26,112	23,422	89.7	4,409	18.8
65 and over	6,902	---	---	---	---	6,902	6,099	88.4	5,247	86.0
NHIS 2010										
Total	27,157	---	---	---	---	27,157	24,256	89.3	7,765	32.0
18-64	21,707	---	---	---	---	21,707	19,439	89.6	3,877	19.9
65 and over	5,450	---	---	---	---	5,450	4,817	88.4	3,888	80.7
NHIS 2009										
Total	27,731	---	---	---	---	27,731	23,866	86.1	7,697	32.3
18-64	22,238	---	---	---	---	22,238	19,180	86.3	4,042	21.1
65 and over	5,493	---	---	---	---	5,493	4,686	85.3	3,655	78.0
NHIS 2008										
Total	21,781	---	---	---	---	21,781	17,970	82.5	5,802	32.3
18-64	17,337	---	---	---	---	17,337	14,348	82.8	3,200	22.3
65 and over	4,444	---	---	---	---	4,444	3,622	81.5	2,602	71.8
NHIS 2007										
Total	23,393	---	---	---	---	23,393	15,854	67.8	4,965	31.3
18-64	18,810	---	---	---	---	18,810	12,844	68.3	2,952	23.0
65 and over	4,583	---	---	---	---	4,583	3,010	65.7	2,013	66.9
NHIS 2006										
Total	54,813	32,490	59.3	8,263	25.4	24,275	10,133	41.7	3,157	31.2

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	All NHIS participants age 18 and over ¹					Sample Adult ²				
	Eligible for linkage ^{3,4,5}		Linked to Medicare ⁶			Eligible for linkage ^{3,4,5}		Linked to Medicare ⁶		
	Total sample ⁷	n	Percent of total ⁸	n	Percent of eligible ⁹	Total sample ⁷	n	Percent of total ⁸	n	Percent of eligible ⁹
18-64	46,423	28,101	60.5	5,611	20.0	19,628	8,240	42.0	1,979	24.0
65 and over	8,390	4,389	52.3	2,652	60.4	4,647	1,893	40.7	1,178	62.2
NHIS 2005										
Total	71,835	45,075	62.8	11,824	26.2	31,428	14,756	47.0	4,671	31.7
18-64	60,605	38,979	64.3	8,504	21.8	25,350	12,006	47.4	3,120	26.0
65 and over	11,230	6,096	54.3	3,320	54.5	6,078	2,750	45.3	1,551	56.4
NHIS 2004										
Total	68,299	44,060	64.5	12,007	27.3	31,326	15,618	49.9	5,003	32.0
18-64	57,541	37,672	65.5	8,706	23.1	25,307	12,584	49.7	3,396	27.0
65 and over	10,758	6,388	59.4	3,301	51.7	6,019	3,034	50.4	1,607	53.0
NHIS 2003										
Total	66,611	46,555	69.9	12,849	27.6	30,852	19,949	64.7	6,176	31.0
18-64	56,338	39,970	71.0	9,648	24.1	25,093	16,448	65.6	4,432	27.0
65 and over	10,273	6,585	64.1	3,201	48.6	5,759	3,501	60.8	1,744	49.8
NHIS 2002										
Total	67,195	49,016	73.0	13,995	28.6	31,044	21,110	68.0	6,543	31.0
18-64	56,610	41,852	73.9	10,852	25.9	25,184	17,344	68.9	4,841	27.9
65 and over	10,585	7,164	67.7	3,143	43.9	5,860	3,766	64.3	1,702	45.2
NHIS 2001										
Total	72,188	40,579	56.2	12,211	30.1	33,326	19,975	59.9	6,340	31.7
18-64	61,171	34,697	56.7	9,711	28.0	27,174	16,407	60.4	4,831	29.4
65 and over	11,017	5,882	53.4	2,500	42.5	6,152	3,568	58.0	1,509	42.3
NHIS 2000										
Total	72,123	42,628	59.1	12,717	29.8	32,374	20,234	62.5	6,428	31.8
18-64	60,917	36,506	59.9	10,384	28.4	26,194	16,577	63.3	5,072	30.6

Table 1. Linked NCHS-CMS Medicare data (2014-2018) - Sample Sizes and Unweighted Percentages by Survey and Age at Interview: National Health Interview Survey (NHIS)

	All NHIS participants age 18 and over ¹					Sample Adult ²				
	Eligible for linkage ^{3,4,5}		Linked to Medicare ⁶		Eligible for linkage ^{3,4,5}		Linked to Medicare ⁶			
	Total sample ⁷	n	Percent of total ⁸	n	Percent of eligible ⁹	Total sample ⁷	n	Percent of total ⁸	n	Percent of eligible ⁹
65 and over	11,206	6,122	54.6	2,333	38.1	6,180	3,657	59.2	1,356	37.1
NHIS 1999										
Total	69,788	42,449	60.8	13,146	31.0	30,801	19,885	64.6	6,454	32.5
18-64	58,788	36,130	61.5	11,005	30.5	24,799	16,134	65.1	5,219	32.4
65 and over	11,000	6,319	57.5	2,141	33.9	6,002	3,751	62.5	1,235	32.9
NHIS 1998										
Total	70,663	44,952	63.6	14,328	31.9	32,440	21,676	66.8	7,053	32.5
18-64	59,243	38,044	64.2	12,152	31.9	26,106	17,572	67.3	5,850	33.3
65 and over	11,420	6,908	60.5	2,176	31.5	6,334	4,104	64.8	1,203	29.3
NHIS 1997										
Total	73,685	51,143	69.4	16,574	32.4	36,116	26,225	72.6	8,446	32.2
18-64	61,794	42,798	69.3	14,215	33.2	29,144	21,055	72.2	7,065	33.6
65 and over	11,891	8,345	70.2	2,359	28.3	6,972	5,170	74.2	1,381	26.7
NHIS 1996										
Total	45,274	34,016	75.1	11,291	33.2	---	---	---	---	---
18-64	38,140	28,441	74.6	9,851	34.6	---	---	---	---	---
65 and over	7,134	5,575	78.2	1,440	25.8	---	---	---	---	---
NHIS 1995										
Total	72,756	58,017	79.7	19,330	33.3	---	---	---	---	---
18-64	60,801	48,257	79.4	17,185	35.6	---	---	---	---	---
65 and over	11,955	9,760	81.6	2,145	22.0	---	---	---	---	---
NHIS 1994										
Total	83,719	68,180	81.4	22,901	33.6	---	---	---	---	---
18-64	69,148	56,084	81.1	20,616	36.8	---	---	---	---	---

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	All NHIS participants age 18 and over ¹					Sample Adult ²				
	Total sample ⁷	Eligible for linkage ^{3,4,5}		Linked to Medicare ⁶		Total sample ⁷	Eligible for linkage ^{3,4,5}		Linked to Medicare ⁶	
		n	Percent of total ⁸	n	Percent of eligible ⁹		n	Percent of total ⁸	n	Percent of eligible ⁹
65 and over	14,571	12,096	83.0	2,285	18.9	---	---	---	---	---

--- Data not available

¹NHIS collects data on "all persons" in a family (Family Core survey component).

²Data shown are for "sample adults" only. From each family in the NHIS, one "sample adult" aged 18 years or more is randomly selected (Sample Adult survey component). For 1994-1996, no Sample Adults were selected.

³For 1994 to 2006 NHIS, eligibility for linkage is based on not refusing to provide Social Security Number (SSN) or Medicare Health Insurance Claim Number (HICN) and having sufficient personally identifiable information.

⁴For 2007 to 2018 NHIS, eligibility for linkage is based on providing the last four digits of the SSN or HICN or an affirmative response to the follow up question to allow linkage without SSN or HICN and having sufficient personally identifiable information.

⁵Linkage eligibility did not account for vital status and participants may have been eligible for linkage even if they had died prior to the administrative data years.

⁶This group includes linkage-eligible survey participants who linked to Medicare administrative records at any time during the linkage interval (2014-2018).

⁷For 1994-2006 NHIS, linkage was conducted for all linkage-eligible persons in the family (Person level), including Sample Adults for 1996 to 2006. For 2007 to 2018 NHIS, only Sample Adult participants are included in the NCHS-CMS Medicare linkage.

⁸This percentage is calculated by dividing the number of linked survey participants by the number of participants in the total sample.

⁹This percentage is calculated by dividing the number of linked survey participants by the total number of linkage-eligible participants.

Table 2. Linked NCHS-CMS Medicare (2014-2018) - Sample Sizes and Unweighted Percentages by Survey and Age at Interview: National Health and Nutrition Examination Survey (NHANES) and NHANES III

	All NHANES participants age 18 and over					MEC participants ¹				
	Total sample	Eligible for linkage ^{2,3,4}		Linked to Medicare ⁵		Total sample	Eligible for linkage ^{2,3,4}		Linked to Medicare ⁵	
		n	Percent of total ⁶	n	Percent of eligible ⁷		n	Percent of total ⁶	n	Percent of eligible ⁷
NHANES2017-2018										
Total	5,856	5,530	94.4	1,787	32.3	5,533	5,234	94.6	1,672	31.9
18-64	4,356	4,094	94.0	404	9.9	4,141	3,899	94.2	386	9.9
65 and over	1,500	1,436	95.7	1,383	96.3	1,392	1,335	95.9	1,286	96.3
NHANES2015-2016										
Total	5,992	5,560	92.8	1,758	31.6	5,735	5,337	93.1	1,679	31.5
18-64	4,614	4,269	92.5	518	12.1	4,433	4,109	92.7	500	12.2
65 and over	1,378	1,291	93.7	1,240	96.1	1,302	1,228	94.3	1,179	96.0
NHANES2013-2014										
Total	6,113	5,732	93.8	1,927	33.6	5,924	5,565	93.9	1,873	33.7
18-64	4,807	4,490	93.4	726	16.2	4,659	4,361	93.6	709	16.3
65 and over	1,306	1,242	95.1	1,201	96.7	1,265	1,204	95.2	1,164	96.7
NHANES2011-2012										
Total	5,864	5,358	91.4	1,843	34.4	5,615	5,151	91.7	1,764	34.3
18-64	4,614	4,196	90.9	797	19.0	4,449	4,059	91.2	774	19.1
65 and over	1,250	1,162	93.0	1,046	90.0	1,166	1,092	93.7	990	90.7
NHANES2009-2010										
Total	6,527	5,992	91.8	2,164	36.1	6,360	5,859	92.1	2,112	36.1
18-64	5,004	4,598	91.9	1,003	21.8	4,900	4,513	92.1	989	21.9
65 and over	1,523	1,394	91.5	1,161	83.3	1,460	1,346	92.2	1,123	83.4
NHANES2007-2008										
Total	6,228	4,800	77.1	1,793	37.4	5,995	4,638	77.4	1,740	37.5
18-64	4,672	3,633	77.8	968	26.6	4,527	3,530	78.0	943	26.7
65 and over	1,556	1,167	75.0	825	70.7	1,468	1,108	75.5	797	71.9
NHANES2005-2006										

Table 2. Linked NCHS-CMS Medicare (2014-2018) - Sample Sizes and Unweighted Percentages by Survey and Age at Interview: National Health and Nutrition Examination Survey (NHANES) and NHANES III

	All NHANES participants age 18 and over					MEC participants ¹				
	Eligible for linkage ^{2,3,4}		Linked to Medicare ⁵		Eligible for linkage ^{2,3,4}		Linked to Medicare ⁵			
	Total sample	n	Percent of total ⁶	n	Percent of eligible ⁷	Total sample	n	Percent of total ⁶	n	Percent of eligible ⁷
Total	5,563	4,532	81.5	1,370	30.2	5,334	4,353	81.6	1,334	30.7
18-64	4,374	3,573	81.7	785	22.0	4,209	3,445	81.9	768	22.3
65 and over	1,189	959	80.7	585	61.0	1,125	908	80.7	566	62.3
NHANES2003-2004										
Total	5,620	5,055	90.0	1,625	32.2	5,303	4,797	90.5	1,553	32.4
18-64	4,126	3,745	90.8	963	25.7	3,931	3,579	91.1	915	25.6
65 and over	1,494	1,310	87.7	662	50.5	1,372	1,218	88.8	638	52.4
NHANES2001-2002										
Total	5,993	5,351	89.3	1,642	30.7	5,592	5,039	90.1	1,578	31.3
18-64	4,530	4,097	90.4	1,131	27.6	4,350	3,946	90.7	1,093	27.7
65 and over	1,463	1,254	85.7	511	40.8	1,242	1,093	88.0	485	44.4
NHANES1999-2000										
Total	5,448	4,556	83.6	1,411	31.0	4,976	4,204	84.5	1,343	32.0
18-64	4,056	3,419	84.3	1,019	29.8	3,780	3,205	84.8	971	30.3
65 and over	1,392	1,137	81.7	392	34.5	1,196	999	83.5	372	37.2
NHANESIII (1988-1994)										
Total	19,618	19,189	97.8	5,798	30.2	17,295	16,972	98.1	5,365	31.6
18-64	14,366	14,051	97.8	5,294	37.7	13,203	12,943	98.0	4,910	37.9
65 and over	5,252	5,138	97.8	504	9.8	4,092	4,029	98.5	455	11.3
-- Data not available										
¹ This group only includes NHANES participants who were examined in the Mobile Examination Center (MEC)										
² For NHEFS, NHANESIII and 1999 to 2008 NHANES, eligibility for linkage is based on not refusing to provide Social Security Number (SSN) or Medicare Health Insurance Claim Number (HICN) and having sufficient personally identifiable information.										
³ For 2009-2018 NHANES, eligibility for linkage is defined as providing an affirmative response to the linkage consent question and having sufficient personally identifiable information.										
⁴ Linkage eligibility did not account for vital status and participants may have been eligible for linkage even if they had died prior to the administrative data years										
⁵ This group includes linkage-eligible survey participants who linked to Medicare administrative records at any time during the linkage interval (2014-2018).										
⁶ This percentage is calculated by dividing the number of linked survey participants by the number of participants in the total sample.										
⁷ This percentage is calculated by dividing the number of linked survey participants by the total number of linkage-eligible participants.										

Table 3. Linked NCHS-CMS Medicare (2014-2018) - Sample Sizes and Unweighted Percentages by Survey and Age at Interview: National Nursing Home Survey 2004

	All participants age 18 and over				
		Eligible for linkage ^{1,2}		Linked to Medicare ³	
	Total sample	n	Percent of total ⁴	n	Percent of eligible ⁵
NNHS2004					
Total	13,493	13,346	98.9	1,010	7.6
18-64	1,553	1,525	98.2	424	27.8
65 and over	11,940	11,821	99.0	586	5.0
¹ For NNHS2004, eligibility for linkage is based on not refusing to provide Social Security Number (SSN) or Medicare Health Insurance Claim Number (HICN) and having sufficient personally identifiable information. ² Linkage eligibility did not account for vital status and participants may have been eligible for linkage even if they had died prior to the administrative data years. ³ This group includes linkage eligible survey participants who linked to Medicare administrative records at any time during the linkage interval (2014-2018). ⁴ This percentage is calculated by dividing the number of linked survey participants by the number of participants in the total sample. ⁵ This percentage is calculated by dividing the number of linked survey participants by the total number of linkage eligible participants.					