Public Use Files (PUF) – Home Health Agency

Call with the Experts
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CMS Public Use Files

The Home Health Agency Utilization and Payment Data Public Use File (HHA PUF) provides information on services provided to Medicare beneficiaries by home health agencies. It is organized by CMS Certification Number (6-digit provider identification number), Home Health Resource Group (HHRG) and state of service.

The HHA PUF contains information on:

* Utilization,
* Payment (Medicare payment and standard payment),
* Submitted charges,
* Demographics
* Chronic Condition Indicators

* https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Medicare-Provider-Charge-Data/HHA.html

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CMS Public Use Files

- Data available each fiscal year starting with FY 2013 (FY 2017 soon)
- CMS providing greater transparency
- Benchmarking data
- Provides insights on competition
- Join with quality data from Home Care Compare to add to the insights

- The Home Health Agency PUF contains four tables:
  - 1) aggregated information by provider,
  - 2) aggregated information by provider and HHRG,
  - 3) aggregated information by HHRG, and
  - 4) aggregated information by HHRG by state

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CMS Public Use File - Example

Provider ID	State	Total Episodes (non-LUPA)	Distinct Beneficiaries (non-LUPA)	CALC: Episodes/ Distinct Beneficiary	Average Number of Total Visits Per Episode (non-LUPA)	Number of Skilled Nursing Visits Per Episode (non-LUPA)	Average Number of PT Visits Per Episode (non-LUPA)	Average Number of OT Visits Per Episode (non-LUPA)	Average Number of ST Visits Per Episode (non-LUPA)	Average Number of Home Health Aide Visits Per Episode (non-LUPA)	Average Number of Medical-Social Visits Per Episode (non-LUPA)	Total HHA Medicare Payment Amount (non-LUPA)	Outlier Payments as a Percent of Medicare Payment Amount (non-LUPA)	Total LUPA Episodes	LUPA Percent of Episodes	Total HHA Medicare Payment Amount for LUPAs	Average HCC Score
227098	MA	9,673	7,181	1.35	15.3	6.9	5.4	1.8	0.2	1.0	0.1	$33,695,697	0.2%	1,411	12.8%	$651,878	1.99
227101	MA	5,946	3,637	1.63	19.8	9.9	4.7	1.8	0.3	2.7	0.3	$19,867,328	2.9%	921	13.4%	$411,273	2.22
227104	MA	2,152	1,395	1.54	18.8	9.1	5.8	1.2	0.1	2.5	0.2	$7,129,529	1.7%	267	11.0%	$118,728	2.07
227116	MA	165	131	1.26	15.6	10.2	3.4	0.4	0.2	1.4	0.1	$444,452	1.4%	20	10.8%	$9,114	2.60
227122	MA	2,340	1,531	1.53	18.9	10.8	4.1	1.1	0.2	2.3	0.2	$7,300,408	2.1%	252	9.7%	$114,347	2.10
227132	MA	1,293	841	1.54	20.0	11.9	3.5	1.8	0.1	2.5	0.2	$4,501,723	6.7%	154	10.6%	$72,419	2.32
227138	MA	1,008	712	1.42	17.2	8.7	5.3					$3,308,580	0.6%	75	6.9%	$33,817	2.01
227139	MA	1,046	764	1.37	18.2	8.8	5.9					$4,134,334	1.6%	119	10.2%	$62,849	2.07
227144	MA	164	126	1.30	20.8	8.1	6.2					$679,602	0.0%	21	11.4%	$10,240	2.47
227198	MA	163	67	2.43	26.2	12.2	1.9					$474,808	9.1%	48	22.7%	$22,022	2.67
227203	MA	6,120	4,414	1.39	17.3	9.1	5.0	1.4	0.2	1.7	0.2	$21,126,470	1.4%	1,008	14.1%	$481,365	2.17
227206	MA	5,405	3,676	1.47	18.3	8.8	5.5	2.0	0.2	1.8	0.2	$18,397,808	2.0%	799	12.9%	$347,407	2.24
227207	MA	18,745	12,215	1.53	17.6	8.3	5.9	1.8	0.2	1.3	0.2	$66,520,082	0.7%	2,486	11.7%	$1,199,652	2.18
227211	MA	1,859	1,273	1.46	21.7	10.2	5.9	2.7	0.5	2.1	0.3	$7,053,548	1.9%	172	8.5%	$77,396	2.21
227215	MA	692	399	1.73	18.5	8.5	6.5	2.2	0.2	1.2	0.0	$2,426,569	1.0%	91	11.6%	$39,965	2.55
227219	MA	1,324	796	1.66	21.3	10.1	7.3	1.7	0.6	1.5	0.1	$4,805,222	1.6%	65	4.7%	$25,978	2.02
227241	MA	3,245	2,291	1.42	17.9	7.6	5.4	2.0	0.3	2.4	0.2	$12,707,097	0.7%	328	9.2%	$172,355	1.93
227247	MA	1,530	975	1.57	22.9	11.5	6.3	2.9	0.3	1.9	0.1	$5,624,022	6.1%	210	12.1%	$88,724	2.06
227260	MA	666	389	1.71	22.1	11.1	5.1	3.2	0.4	2.2	0.1	$2,502,252	3.6%	51	7.1%	$22,664	2.41
227263	MA	3,097	2,012	1.54	23.5	9.6	7.6	2.7	0.1	3.6	0.1	$12,482,086	2.0%	276	8.2%	$114,014	2.16
227269	MA	8,109	4,677	1.73	21.9	9.0	7.8	3.7	0.5	0.9	0.2	$33,740,642	0.9%	611	7.0%	$280,671	1.93
227283	MA	364	271	1.34	19.6	11.4	6.6	1.3	0.1	0.2	0.0	$1,341,904	4.8%	45	11.0%	$22,335	2.56
227288	MA	2,095	1,351	1.55	19.5	10.7	5.0	1.8	0.2	1.3	0.5	$6,906,235	1.8%	168	7.4%	$67,688	2.24
227289	MA	444	195	2.28	40.3	22.2	5.6	1.2	0.4	10.8	0.0	$1,707,209	9.0%	36	7.5%	$11,674	2.65
227290	MA	1,063	625	1.70	28.1	15.7	5.2	0.6	0.2	6.4	0.1	$4,303,853	9.4%	61	5.4%	$28,153	2.25
227302	MA	773	421	1.84	21.2	8.2	7.2	4.7	0.4	0.6	0.1	$3,189,642	0.5%	44	5.4%	$19,322	1.89
227403	MA	316	203	1.56	19.4	10.5	6.1	0.6	0.4	1.6	0.1	$936,968	2.2%	50	13.7%	$20,722	2.14
227407	MA	246	151	1.63	22.3	11.6	5.2	2.3	0.2	3.4	0.0	$908,559	6.2%	41	14.3%	$16,061	2.36
227411	MA	1,631	1,244	1.31	16.1	7.6	5.3	1.2	0.1	1.7	0.3	$5,094,461	1.3%	336	17.1%	$159,150	1.89

Set up Excel formulas for additional data points

Source: HH PUF – Provider 2016

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CMS HHA PUF - Analysis

- Number of HHAs reported: 10,139
- Average Visits/Episode: 18.3
  (25th percentile 14.8; 75th percentile 20.2)
- Skilled Nursing visits/episode: 9.1
  (25th percentile 7.1; 75th percentile 10.1)
- Physical Therapy visits/episode: 5.4
  (25th percentile 3.5; 75th percentile 4.0)
- Non-LUPA Episodes per Distinct Beneficiary: 1.7
  (25th percentile 1.4; 75th percentile 2.4)
- Total Non-LUPA Episodes Average Number of Episodes: 586
  (25th percentile 123; 50th percentile 291; 75th percentile 636)

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CMS Public Use File - Example

Provider ID	(All)							
State	(All)							
							Average	
		Average	Average RN	Average PT	Average OT	Average ST	Medical-	Average HH
		Total Visits	Visits per	Visits per	Visits per	Visits per	Social Visits	Aide Visits
HHRG	HHRG Description	Per Episode	Episode	Episodes	Episode	Episode	per Episode	per Episode
1AFK	Early Episode, 0-13 therapies,Clinical Severity Level 1, Functional Severity Level 1,Service Severity Level 1	9.97	8.64	0.65	0.13	0.04	0.16	0.37
1AFL	Early Episode, 0-13 therapies,Clinical Severity Level 1, Functional Severity Level 1,Service Severity Level 2	10.63	4.28	5.31	0.53	0.16	0.14	0.22
1AFM	Early Episode, 0-13 therapies,Clinical Severity Level 1, Functional Severity Level 1,Service Severity Level 3	13.66	5.17	6.73	0.82	0.34	0.13	0.49
1AFN	Early Episode, 0-13 therapies,Clinical Severity Level 1, Functional Severity Level 1,Service Severity Level 4	17.68	6.37	8.20	1.63	0.19	0.26	1.05
1AFP	Early Episode, 0-13 therapies,Clinical Severity Level 1, Functional Severity Level 1,Service Severity Level 5	18.18	5.23	9.20	2.19	0.60	0.15	0.84
1AGK	Early Episode, 0-13 therapies,Clinical Severity Level 1, Functional Severity Level 2,Service Severity Level 1	10.34	8.18	0.99	0.20	0.04	0.14	0.81
1AGL	Early Episode, 0-13 therapies,Clinical Severity Level 1, Functional Severity Level 2,Service Severity Level 2	12.05	5.19	5.20	0.65	0.16	0.19	0.69
1AGM	Early Episode, 0-13 therapies,Clinical Severity Level 1, Functional Severity Level 2,Service Severity Level 3	14.37	5.52	6.81	0.93	0.20	0.16	0.79
1AGN	Early Episode, 0-13 therapies,Clinical Severity Level 1, Functional Severity Level 2,Service Severity Level 4	16.86	5.79	8.03	1.69	0.31	0.21	0.88
1AGP	Early Episode, 0-13 therapies,Clinical Severity Level 1, Functional Severity Level 2,Service Severity Level 5	19.13	5.94	9.34	2.24	0.37	0.19	1.11
1AHK	Early Episode, 0-13 therapies,Clinical Severity Level 1, Functional Severity Level 3,Service Severity Level 1	10.43	7.78	1.29	0.28	0.08	0.17	0.87
1AHL	Early Episode, 0-13 therapies,Clinical Severity Level 1, Functional Severity Level 3,Service Severity Level 2	12.24	5.13	5.16	0.66	0.19	0.21	0.92
1AHM	Early Episode, 0-13 therapies,Clinical Severity Level 1, Functional Severity Level 3,Service Severity Level 3	14.55	5.55	6.70	1.05	0.24	0.18	0.87
1AHN	Early Episode, 0-13 therapies,Clinical Severity Level 1, Functional Severity Level 3,Service Severity Level 4	17.02	5.73	8.02	1.70	0.30	0.23	1.07
1AHP	Early Episode, 0-13 therapies,Clinical Severity Level 1, Functional Severity Level 3,Service Severity Level 5	19.20	5.97	9.38	2.25	0.38	0.21	1.07
1BFK	Early Episode, 0-13 therapies,Clinical Severity Level 2, Functional Severity Level 1,Service Severity Level 1	10.41	8.97	0.79	0.13	0.03	0.14	0.36
1BFL	Early Episode, 0-13 therapies,Clinical Severity Level 2, Functional Severity Level 1,Service Severity Level 2	10.17	3.72	5.40	0.51	0.10	0.12	0.34
1BFM	Early Episode, 0-13 therapies,Clinical Severity Level 2, Functional Severity Level 1,Service Severity Level 3	12.77	4.37	6.92	0.78	0.18	0.14	0.41
1BFN	Early Episode, 0-13 therapies,Clinical Severity Level 2, Functional Severity Level 1,Service Severity Level 4	15.90	5.36	8.56	1.18	0.26	0.15	0.39
1BFP	Early Episode, 0-13 therapies,Clinical Severity Level 2, Functional Severity Level 1,Service Severity Level 5	17.37	4.81	10.10	1.50	0.31	0.12	0.57
1BGK	Early Episode, 0-13 therapies,Clinical Severity Level 2, Functional Severity Level 2,Service Severity Level 1	10.73	8.47	1.04	0.17	0.02	0.11	0.95

Source: Query from Pivot Table of HH PUF – Provider by HHRG 2016

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