

# PCORnet® Population Insights Report

## *Characteristics of the Patient Population with Sensory Health Conditions Receiving Health Care Services Across Clinical Research Networks Participating in PCORnet®*

### Rationale for Network Query of PCORnet® Data Resources:

This report characterizes the population of patients with sensory-related health conditions and recorded ambulatory encounters at a health care setting across PCORnet® between January 1 – December 31, 2024.

The report aligns with the Patient-Centered Outcomes Research Institute's® (PCORI®) strategic goal to demonstrate ways PCORnet can be used to address national-scale patient-centered comparative clinical effectiveness research (CER) questions. The results in this report may support planning for future patient-centered CER using PCORnet.

### Background on PCORnet®:

PCORnet is a large, distributed “network of networks” funded by PCORI to improve the nation’s capacity to efficiently conduct health research, particularly patient-centered comparative clinical effectiveness research (CER).

The unique federated architecture of the network enables network sites to query clinical encounter data to identify patients and contact them for recruitment in research studies (with the appropriate regulatory and legal agreements). PCORnet has been used to conduct more than 300 studies, including pragmatic trials, observational research, and data science studies. [PCORnet® Population Insights Reports](#) are created to provide descriptive insights into the feasibility of research questions and the potential to recruit patients for future research using PCORnet.

At the time of this report, PCORnet® Network Partners include Clinical Research Networks (CRNs) with more than 70 data-contributing sites in addition to Patient Partners and the Coordinating Center for PCORnet®. As the recent 2025 PCORnet® Population Insights Report details, collectively, these data-contributing sites are connected to nearly 47 million people in the U.S. Clinical sites include large academic health systems, hospitals, federally qualified health centers, and community clinics.

For more information on the structure and governance of PCORnet, please see the [PCORnet® Playbook](#).

### Population Report Description:

This report describes the results of a data query of the patients with sensory-related health conditions that had at least 1 face-to-face encounter and a recorded diagnosis code (e.g., ICD-10) at a health care setting across PCORnet between January 1 – December 31, 2024. The query used a 5-year “look-back” period to identify patients with diagnosis codes for specific sensory-related health conditions that were reflected in the electronic health record. The query results will enhance public awareness of the population of patients

with sensory health conditions as well as utilization of health care services by these patients across sites participating in PCORnet that potentially would be available for future health care research.

### Data Query Methodology and Criteria:

The Coordinating Center collaborated with PCORI to develop the specifications and criteria for this data query. Collaborators identified a set of common sensory health condition groups by sense organs to be considered for this query. Investigators pursuing a funding opportunity who are interested in characterizing additional sensory health conditions across PCORnet that are not specified in this report should contact the [PCORnet® Front Door](#).

The query identified demographic and geographic characteristics of the general patient population with at least 1 face-to-face encounter at a site participating in PCORnet during the 1-year query period (January 1 – December 31, 2024). From this reference population, the query characterized patients who had a diagnosis code for any of the given sensory health conditions in their electronic health record within a 5-year period (January 1, 2020 – December 31, 2024). The data query also described additional co-occurring conditions, utilization of health care settings, and stratified the population by specific subspecialties which commonly treat patients with sensory health conditions.

Additional methods and information used to specify the query and define the cohorts are available upon request by emailing [frontdoor@pcornet.org](mailto:frontdoor@pcornet.org).

The Coordinating Center programmed and distributed this data query to 75 of the data-contributing partners in PCORnet.

### Population Report Results:

Seventy-five (75) PCORnet data-contributing partners contributed data to this report, reflecting the experience of patients with sensory health conditions who received health care services across sites participating in PCORnet during a 1-year period (January 1 – December 31, 2024).

Results of the query are provided in tables referenced below:

- **Table 1.** Demographic characteristics of the patient population with at least 1 face-to-face clinical encounter across sites participating in PCORnet between January 1 – December 31, 2024, and a diagnosis code related to sensory health conditions between January 1, 2020 – December 31, 2024.
- **Table 2.** Geographic characteristics of the patient population with at least 1 face-to-face clinical encounter across sites participating in PCORnet between January 1, 2024 – December 31, 2024, and a diagnosis code related to sensory health conditions between January 1, 2020 – December 31, 2024.
- **Table 3.** Characteristics of care setting and provider type utilized by the patient population with at least 1 face-to-face clinical encounter across sites participating in PCORnet between January 1, 2024 – December 31, 2024, and a diagnosis code related to sensory health conditions between January 1, 2020 – December 31, 2024.
- **Table 4.** Overlap between sensory health conditions and selected co-occurring conditions, screenings, and hearing device assessments for patients with at least 1 face-to-face clinical encounter at a site participating in PCORnet between January 1, 2024 – December 31, 2024, and a diagnosis code related to sensory health conditions between January 1, 2020 – December 31, 2024.

## Limitations:

Data presented are descriptive and derived from diagnosis and procedure codes collected in the electronic health record (EHR) during health care encounters. Rows and percentages may not add up to the total due to missing values and/or if counts are less than 10. If counts are between 1-10, then they are reported as “-” to protect patient privacy and risk of identification from aggregate values as outlined in the [Data Privacy Statement for PCORnet®](#).

No inferential analyses were conducted to compare populations or test hypotheses, as these are descriptive data only. Limitations with any EHR data analysis are applicable to this data, including the possibility for misclassification due to imperfect algorithms and lack of consistent definition of enrollment to define cohorts, in addition to limitations associated with processes to collect clinical data during health care encounters, including collection of demographic information. Data should be interpreted with these limitations in mind.

To ensure PCORnet data resources are of high quality for research and to mitigate the limitations above, all PCORnet-accessible data resources undergo [rigorous quality curation](#) and screening as part of quarterly coordinated data quality assessment. For more information on data curation activities and strategies to improve data quality for PCORnet, please contact [frontdoor@pcornet.org](mailto:frontdoor@pcornet.org).

## Disclaimer:

PCORnet® is intended to improve the nation’s capacity to efficiently conduct patient-centered health research, particularly CER, by providing a large, highly representative network of health data, research expertise, and patient insights. PCORnet has been developed with funding from the Patient-Centered Outcomes Research Institute® (PCORI®).

Network queries that return only aggregate or limited data sets are covered by [the PCORnet® Master Data Sharing Agreement](#) (version 4.0), and site-level blanket Institutional Review Board approvals.

The statements presented in this report do not necessarily represent the views of PCORI or other organizations participating in, collaborating with, or funding PCORnet.

For questions, comments, or suggestions related to this PCORnet® Front Door query or other PCORnet queries, please contact [frontdoor@pcornet.org](mailto:frontdoor@pcornet.org).

## Tables

**Table 1.** Demographic characteristics of the patient population with at least 1 face-to-face clinical encounter across sites participating in PCORnet® between January 1 – December 31, 2024, and a diagnosis code related to sensory health conditions between January 1, 2020 – December 31, 2024.<sup>1,2</sup>

	Total Patients with a Visit and Recorded Diagnosis Code in 2024		Any Sensory Health Condition		Vision Disorders		Hearing Disorders		Perceptual Vestibular Disorders		Smell and Taste Disorders		Multiple Sclerosis		Spinal Cord Injuries		Chronic Inflammatory Demyelinating Polyneuropathy	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
<b>UNIQUE PATIENT RECORDS</b>	50,846,693	100	9,116,013	17.9	6,305,385	12.4	3,143,718	6.2	557,266	1.1	230,321	0.5	190,502	0.4	73,921	0.1	19,313	<0.1
<b>MEAN AGE (SD)</b>	41.4 (± 22.8)		48.8 (± 23.6)		47.5 (± 23.7)		52.8 (± 23.9)		61.9 (± 16.7)		50.9 (± 19.0)		53.3 (± 15.1)		51.1 (± 20.0)		62.3 (± 15.9)	
<b>AGE ON DECEMBER 31, 2024</b>																		
Children 0-9	6,867,648	13.5	1,104,606	12.1	815,333	12.9	367,590	11.7	1,645	0.3	1,982	0.9	553	0.3	3,433	4.6	131	0.7
Children 10-19	6,232,013	12.3	876,258	9.6	691,902	11.0	212,204	6.8	8,396	1.5	16,641	7.2	1,855	1.0	4,052	5.5	340	1.8
Adults 20-34	8,083,278	15.9	819,918	9.0	567,016	9.0	228,997	7.3	34,163	6.1	35,513	15.4	20,240	10.6	10,237	13.8	937	4.9
Adults 35-54	11,714,845	23.0	1,730,984	19.0	1,146,996	18.2	521,310	16.6	123,535	22.2	68,891	29.9	75,874	39.8	19,552	26.4	3,785	19.6
Adults 55-64	6,444,207	12.7	1,307,536	14.3	871,061	13.8	441,555	14.0	109,735	19.7	39,941	17.3	42,637	22.4	12,988	17.6	4,019	20.8
Adults 65-74	6,380,223	12.5	1,636,584	18.0	1,103,310	17.5	633,073	20.1	139,239	25.0	38,153	16.6	33,893	17.8	13,142	17.8	5,258	27.2
Adults 75+	5,124,479	10.1	1,640,127	18.0	1,109,767	17.6	738,989	23.5	140,553	25.2	29,200	12.7	15,450	8.1	10,517	14.2	4,843	25.1
<b>SEX</b>																		
Female	28,576,046	56.2	5,197,813	57.0	3,629,362	57.6	1,713,142	54.5	382,015	68.6	145,918	63.4	142,373	74.7	29,664	40.1	8,683	45.0
Male	22,249,473	43.8	3,916,178	43.0	2,674,717	42.4	1,429,882	45.5	175,137	31.4	84,359	36.6	48,081	25.2	44,235	59.8	10,629	55.0
Unknown	15,304	<0.1	1,264	<0.1	819	<0.1	415	<0.1	58	<0.1	25	<0.1	26	<0.0	19	<0.1	0	0.0
Missing <sup>3</sup>	5,870	<0.1	758	<0.1	487	<0.1	279	<0.1	56	<0.1	19	<0.1	22	<0.0	-	-	-	-
<b>RACE</b>																		
White	30,771,371	60.5	5,813,497	63.8	3,854,338	61.1	2,191,083	69.7	397,228	71.3	149,556	64.9	136,175	71.5	46,982	63.6	14,598	75.6
Black or African American	7,552,425	14.9	1,323,273	14.5	1,022,940	16.2	333,081	10.6	56,144	10.1	39,059	17.0	27,235	14.3	14,595	19.7	1,943	10.1
Asian	2,434,695	4.8	480,493	5.3	351,582	5.6	155,150	4.9	28,868	5.2	10,576	4.6	3,296	1.7	2,160	2.9	452	2.3
Multiple races	1,054,487	2.1	179,298	2.0	124,483	2.0	62,765	2.0	9,762	1.8	4,571	2.0	2,629	1.4	1,125	1.5	256	1.3
American Indian or Alaska Native	295,537	0.6	50,819	0.6	37,134	0.6	15,369	0.5	2,605	0.5	1,312	0.6	860	0.5	480	0.6	93	0.5
Native Hawaiian or Other Pacific Islander	121,506	0.2	21,239	0.2	15,494	0.2	6,292	0.2	1,154	0.2	562	0.2	212	0.1	199	0.3	30	0.2
Unknown	6,269,441	12.3	917,150	10.1	669,685	10.6	273,976	8.7	40,697	7.3	17,514	7.6	13,157	6.9	6,124	8.3	1,232	6.4
Missing <sup>3</sup>	2,347,231	4.6	330,244	3.6	229,729	3.6	106,002	3.4	20,808	3.7	7,171	3.1	6,938	3.6	2,256	3.1	709	3.7
<b>HISPANIC</b>																		
No	34,996,767	68.8	6,790,575	74.5	4,631,491	73.5	2,444,782	77.8	436,591	78.3	182,136	79.1	151,537	79.5	57,380	77.6	15,372	79.6
Yes	8,093,784	15.9	1,385,681	15.2	1,047,060	16.6	383,149	12.2	70,699	12.7	28,799	12.5	15,808	8.3	8,118	11.0	1,319	6.8
Unknown	3,941,007	7.8	516,742	5.7	345,243	5.5	180,440	5.7	26,477	4.8	10,916	4.7	11,149	5.9	4,709	6.4	1,220	6.3
Missing <sup>3</sup>	3,815,135	7.5	423,015	4.6	281,591	4.5	135,347	4.3	23,499	4.2	8,470	3.7	12,008	6.3	3,714	5.0	1,402	7.3
<b>PAYER STATUS</b>																		
Private	19,641,442	38.6	3,017,815	33.1	1,981,255	31.4	1,057,573	33.6	189,198	34.0	95,358	41.4	69,855	36.7	19,347	26.2	4,894	25.3
Public	15,145,801	29.8	3,486,591	38.2	2,473,525	39.2	1,262,695	40.2	220,248	39.5	74,143	32.2	63,467	33.3	32,687	44.2	9,025	46.7
Other	2,072,042	4.1	319,606	3.5	224,940	3.6	98,861	3.1	17,765	3.2	9,435	4.1	5,359	2.8	3,356	4.5	441	2.3
Missing	13,987,408	27.5	2,292,001	25.1	1,625,665	25.8	724,589	23.0	130,055	23.3	51,385	22.3	51,821	27.2	18,531	25.1	4,953	25.6
<b>RECORD OF DEATH IN 2024</b>																		
Record of death in 2024	332,760	0.7	101,827	1.1	70,993	1.1	43,018	1.4	5,268	0.9	2,766	1.2	1,925	1.0	2,254	3.0	482	2.5
No record of death in 2024	50,513,933	99.3	9,014,186	98.9	6,234,392	98.9	3,100,700	98.6	551,998	99.1	227,555	98.8	188,577	99.0	71,667	97.0	18,831	97.5

<sup>1</sup>Total only includes 75 data-contributing partners in PCORnet.

<sup>2</sup>Some totals may not add up due to masking low cell sizes.

<sup>3</sup>Missing includes those values that are null, refuse to answer, and no information.

**Table 2.** Geographic characteristics of the patient population with at least 1 face-to-face clinical encounter across sites participating in PCORnet® between January 1, 2024 – December 31, 2024, and a diagnosis code related to sensory health conditions between January 1, 2020 – December 31, 2024.<sup>1</sup>

	Total Patients with a Visit and Recorded Diagnosis Code in 2024		Any Sensory Health Condition		Vision Disorders		Hearing Disorders		Perceptual Vestibular Disorders		Smell and Taste Disorders		Multiple Sclerosis		Spinal Cord Injuries		Chronic Inflammatory Demyelinating Polyneuropathy	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
<b>UNIQUE PATIENT RECORDS</b>	50,846,693	100	9,116,013	17.9	6,305,385	12.4	3,143,718	6.2	557,266	1.1	230,321	0.5	190,502	0.4	73,921	0.1	19,313	<0.1
<b>AREA DEPRIVATION INDEX (ADI) QUARTILE BASED ON 5-DIGIT ZIP CODE TO ADI MAPPING<sup>2</sup></b>																		
ADI Quartile 1 (Higher SES)	19,168,939	37.7	3,651,890	40.1	2,460,016	39.0	1,362,108	43.3	237,330	42.6	88,712	38.5	77,183	40.5	23,163	31.3	8,221	42.6
ADI Quartile 2	8,732,503	17.2	1,613,029	17.7	1,113,183	17.7	559,330	17.8	100,375	18.0	42,475	18.4	35,457	18.6	13,504	18.3	3,369	17.4
ADI Quartile 3	9,754,962	19.2	1,688,838	18.5	1,164,286	18.5	568,192	18.1	102,074	18.3	46,153	20.0	37,575	19.7	16,182	21.9	3,603	18.7
ADI Quartile 4 (Lower SES)	8,168,261	16.1	1,386,891	15.2	1,019,824	16.2	406,216	12.9	68,579	12.3	35,014	15.2	24,482	12.9	13,880	18.8	2,485	12.9
Missing	5,022,028	9.9	775,365	8.5	548,076	8.7	247,872	7.9	48,908	8.8	17,967	7.8	15,805	8.3	7,192	9.7	1,635	8.5
<b>RURAL-URBAN COMMUTING AREA CODES BASED ON 5-DIGIT ZIP CODE TO RUCA MAPPING<sup>3</sup></b>																		
Metropolitan Area	40,258,877	79.2	7,376,715	80.9	5,129,759	81.4	2,539,236	80.8	445,650	80.0	186,264	80.9	149,991	78.7	55,826	75.5	15,210	78.8
Micropolitan Area	3,493,601	6.9	599,547	6.6	396,568	6.3	215,231	6.8	39,056	7.0	16,668	7.2	14,962	7.9	6,485	8.8	1,535	7.9
Small Town	1,434,643	2.8	257,759	2.8	166,904	2.6	97,956	3.1	16,445	3.0	6,624	2.9	6,733	3.5	2,940	4.0	664	3.4
Rural	999,527	2.0	175,365	1.9	112,310	1.8	66,609	2.1	11,571	2.1	4,633	2.0	4,560	2.4	2,036	2.8	430	2.2
Missing	4,660,045	9.2	706,627	7.8	499,844	7.9	224,686	7.1	44,544	8.0	16,132	7.0	14,256	7.5	6,634	9.0	1,474	7.6
<b>AVAILABILITY OF 5-DIGIT ZIP CODE</b>																		
Total Number of Unique Patients	46,303,627	91.1	8,426,507	92.4	5,818,532	92.3	2,923,925	93.0	512,837	92.0	214,373	93.1	176,311	92.6	67,329	91.1	17,846	92.4
<b>AVAILABILITY OF US STATE DATA</b>																		
Total Number of Unique Patients	45,337,102	89.2	8,315,556	91.2	5,733,208	90.9	2,895,439	92.1	511,276	91.7	212,502	92.3	175,774	92.3	66,501	90.0	17,813	92.2
<b>US CENSUS REGION</b>																		
South	16,783,108	33.0	2,821,386	30.9	1,912,012	30.3	988,755	31.5	175,077	31.4	77,682	33.7	63,456	33.3	26,444	35.8	7,804	40.4
Northeast	9,830,664	19.3	1,810,239	19.9	1,272,408	20.2	593,337	18.9	115,506	20.7	42,244	18.3	37,768	19.8	10,955	14.8	3,992	20.7
Midwest	8,933,588	17.6	1,849,748	20.3	1,300,662	20.6	639,431	20.3	106,708	19.1	49,173	21.3	37,485	19.7	15,771	21.3	2,951	15.3
West	8,868,163	17.4	1,766,882	19.4	1,200,946	19.0	655,340	20.8	111,707	20.0	42,428	18.4	34,586	18.2	12,769	17.3	2,772	14.4
Other	734,183	1.4	48,486	0.5	32,138	0.5	14,548	0.5	1,729	0.3	746	0.3	2,356	1.2	514	0.7	282	1.5
Missing	5,696,987	11.2	819,272	9.0	587,219	9.3	252,307	8.0	46,539	8.4	18,048	7.8	14,851	7.8	7,468	10.1	1,512	7.8

<sup>1</sup>Total only includes 75 data-contributing partners in PCORnet.

<sup>2</sup>Area Deprivation Index (ADI): Patient 5-Digit Zip Codes are mapped to socioeconomic status by normalized Area Deprivation Index (ADI) value (0-100). Lower values are associated with higher socioeconomic status (SES) and higher values are associated with lower SES. A ranking of 1 indicates the highest level of SES within the nation and an ADI with a ranking of 100 indicates the lowest level of SES. In this table, values are grouped into quartiles using the count of zip codes. Quartile 1 (Higher SES) represents the lowest range of ADI values and Quartile 4 (Lowest SES) represents the highest range of ADI values (Q1=0-38, Q2=39-43, Q3=44-49, and Q4=50-100). For additional information regarding the ADI index, see the Neighborhood Atlas here: <https://www.neighborhoodatlas.medicine.wisc.edu/>. Note that the Area Deprivation Index (ADI) is designed for validity at the 9-digit zip or census block group level rather than the 5-digit zip level.

<sup>3</sup>Represented as combined [Rural Urban Commuting Area \(RUCA\) codes](#) as referenced on [https://hcup-us.ahrq.gov/db/vars/siddistnote.jsp?var=pl\\_ruca](https://hcup-us.ahrq.gov/db/vars/siddistnote.jsp?var=pl_ruca). RUCA contains 10 primary and 21 secondary codes which delineate components of rural and urban areas and define county-level metropolitan (urban) and nonmetropolitan areas (i.e., micropolitan/large rural areas, small towns, and isolated rural areas).

**Table 3.** Characteristics of care setting and provider type utilized by the patient population with at least 1 face-to-face clinical encounter across sites participating in PCORnet® between January 1, 2024 – December 31, 2024, and a diagnosis code related to sensory health conditions between January 1, 2020 – December 31, 2024.<sup>1,2</sup>

	Total Patients with a Visit and Recorded Diagnosis Code in 2024		Any Sensory Health Condition		Vision Disorders		Hearing Disorders		Perceptual Vestibular Disorders		Smell and Taste Disorders		Multiple Sclerosis		Spinal Cord Injuries		Chronic Inflammatory Demyelinating Polyneuropathy	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
<b>UNIQUE PATIENT RECORDS</b>	50,846,693	100	9,116,013	17.9	6,305,385	12.4	3,143,718	6.2	557,266	1.1	230,321	0.5	190,502	0.4	73,921	0.1	19,313	<0.1
<b>CARE SETTING IN 2024</b>																		
Ambulatory Visit	43,757,463	86.1	8,612,286	94.5	5,957,254	94.5	3,017,481	96.0	528,161	94.8	217,033	94.2	173,616	91.1	66,419	89.9	17,899	92.7
Emergency Department Visit	9,920,578	19.5	1,655,908	18.2	1,198,468	19.0	542,521	17.3	120,817	21.7	49,499	21.5	30,241	15.9	19,836	26.8	3,475	18.0
Telehealth	7,323,787	14.4	1,924,575	21.1	1,320,438	20.9	741,961	23.6	151,620	27.2	65,234	28.3	59,303	31.1	18,939	25.6	5,765	29.9
Inpatient Hospital Stay	3,297,370	6.5	658,988	7.2	454,168	7.2	252,261	8.0	40,099	7.2	16,639	7.2	15,019	7.9	16,001	21.6	3,062	15.9
Emergency to Inpatient Stay	1,274,101	2.5	370,975	4.1	264,561	4.2	140,027	4.5	28,242	5.1	9,088	3.9	10,046	5.3	9,358	12.7	1,859	9.6
Non-Acute Institutional Stay	637,861	1.3	61,022	0.7	40,786	0.6	21,265	0.7	3,832	0.7	1,278	0.6	2,950	1.5	1,569	2.1	381	2.0
Observation Stay	623,397	1.2	148,501	1.6	103,491	1.6	58,128	1.8	12,277	2.2	4,152	1.8	3,072	1.6	2,317	3.1	402	2.1
<b>PROVIDER TYPE AT 2024 ENCOUNTERS</b>																		
Neurology	2,044,090	4.0	673,971	7.4	466,749	7.4	251,884	8.0	56,166	10.1	18,277	7.9	56,803	29.8	11,517	15.6	5,995	31.0
Psychiatrist	1,661,597	3.3	557,307	6.1	383,581	6.1	208,158	6.6	48,198	8.6	15,239	6.6	54,701	28.7	5,976	8.1	5,713	29.6
ENT	1,214,917	2.4	575,729	6.3	230,401	3.7	440,330	14.0	49,283	8.8	21,644	9.4	4,259	2.2	2,129	2.9	510	2.6
Ophthalmology	1,200,311	2.4	1,044,346	11.5	1,024,419	16.2	175,715	5.6	31,823	5.7	9,703	4.2	8,123	4.3	2,202	3.0	762	3.9
Physiatrist	470,750	0.9	173,502	1.9	121,256	1.9	70,739	2.3	15,888	2.9	5,401	2.3	4,971	2.6	9,474	12.8	719	3.7
Physical Therapy	434,419	0.9	174,396	1.9	121,410	1.9	77,159	2.5	22,941	4.1	5,592	2.4	4,237	2.2	2,779	3.8	425	2.2
Audiologist	346,390	0.7	313,358	3.4	100,872	1.6	302,080	9.6	28,656	5.1	4,306	1.9	1,583	0.8	692	0.9	203	1.1
Occupational Therapy	123,456	0.2	47,673	0.5	34,695	0.6	19,380	0.6	3,984	0.7	1,276	0.6	1,053	0.6	1,629	2.2	174	0.9
Speech-Language Pathology	67,974	0.1	28,475	0.3	17,121	0.3	16,599	0.5	1,783	0.3	999	0.4	590	0.3	291	0.4	79	0.4

<sup>1</sup>Total only includes 75 data-contributing partners in PCORnet.

<sup>2</sup>Some totals may not add up due to masking low cell sizes.

**Table 4.** Overlap between sensory health conditions and selected co-occurring conditions, screenings, and hearing device assessments for patients with at least 1 face-to-face clinical encounter at a site participating in PCORnet® between January 1, 2024 – December 31, 2024, and a diagnosis code related to sensory conditions between January 1, 2020 – December 31, 2024.<sup>1,2</sup>

	Total Patients with a Visit and Recorded Diagnosis Code in 2024		Any Sensory Health Condition		Vision Disorders		Hearing Disorders		Perceptual Vestibular Disorders		Smell and Taste Disorders		Multiple Sclerosis		Spinal Cord Injuries		Chronic Inflammatory Demyelinating Polyneuropathy	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
<b>UNIQUE PATIENT RECORDS</b>	50,846,693	100	9,116,013	17.9	6,305,385	12.4	3,143,718	6.2	557,266	1.1	230,321	0.5	190,502	0.4	73,921	0.1	19,313	<0.1
<b>CO-OCCURRING CONDITIONS (2020-2024)</b>																		
Anxiety	7,879,900	15.5	2,156,059	23.7	1,449,595	23.0	845,063	26.9	191,249	34.3	84,927	36.9	54,947	28.8	22,715	30.7	5,385	27.9
Depression	5,862,292	11.5	1,731,605	19.0	1,178,931	18.7	679,287	21.6	151,395	27.2	66,718	29.0	51,889	27.2	20,969	28.4	5,155	26.7
Type 2 Diabetes	5,771,857	11.4	1,847,017	20.3	1,369,968	21.7	643,248	20.5	140,675	25.2	46,459	20.2	27,908	14.6	15,883	21.5	5,714	29.6
COVID-19	4,335,118	8.5	1,433,477	15.7	971,198	15.4	574,935	18.3	127,222	22.8	76,687	33.3	28,384	14.9	10,969	14.8	3,152	16.3
Substance Use Disorders	2,465,499	4.8	571,210	6.3	403,938	6.4	200,153	6.4	34,996	6.3	21,096	9.2	13,644	7.2	13,938	18.9	2,223	11.5
Attention Deficit Hyperactivity Disorder	1,820,770	3.6	402,321	4.4	284,361	4.5	145,434	4.6	16,724	3.0	13,527	5.9	6,399	3.4	3,079	4.2	490	2.5
Stroke/Transient Ischemic Attack	1,189,570	2.3	521,955	5.7	397,556	6.3	196,268	6.2	50,014	9.0	12,164	5.3	9,819	5.2	6,542	8.8	1,701	8.8
Macular Degeneration	679,741	1.3	661,713	7.3	656,475	10.4	146,895	4.7	28,731	5.2	6,859	3.0	4,147	2.2	1,650	2.2	678	3.5
Alzheimer's Disease and Related Dementias	640,612	1.3	245,255	2.7	161,815	2.6	125,085	4.0	18,489	3.3	4,921	2.1	4,928	2.6	2,525	3.4	811	4.2
Autism Spectrum Disorder	608,947	1.2	167,697	1.8	122,057	1.9	68,107	2.2	2,384	0.4	1,812	0.8	766	0.4	513	0.7	103	0.5
Type 2 Diabetes with Ophthalmic Complications	582,724	1.1	383,946	4.2	347,332	5.5	95,549	3.0	21,068	3.8	6,199	2.7	2,761	1.4	2,014	2.7	818	4.2
Type 1 Diabetes	458,083	0.9	141,788	1.6	113,474	1.8	42,027	1.3	7,919	1.4	3,285	1.4	2,456	1.3	1,185	1.6	552	2.9
Eye Injury	366,014	0.7	172,445	1.9	151,873	2.4	38,969	1.2	7,707	1.4	3,348	1.5	1,449	0.8	2,021	2.7	172	0.9
Parkinson's Disease	260,668	0.5	86,857	1.0	59,093	0.9	39,421	1.3	8,002	1.4	2,870	1.2	1,840	1.0	932	1.3	517	2.7
Aphasia	248,133	0.5	108,567	1.2	83,327	1.3	41,177	1.3	7,638	1.4	2,624	1.1	2,652	1.4	1,423	1.9	341	1.8
Obsessive Compulsive Disorder	241,682	0.5	66,660	0.7	46,647	0.7	26,599	0.8	4,545	0.8	2,629	1.1	1,368	0.7	495	0.7	147	0.8
Visual Hallucinations	67,407	0.1	28,997	0.3	22,839	0.4	10,802	0.3	2,048	0.4	1,010	0.4	605	0.3	541	0.7	142	0.7
Type 1 Diabetes with Ophthalmic Complications	64,335	0.1	38,568	0.4	35,104	0.6	7,805	0.2	1,442	0.3	597	0.3	484	0.3	209	0.3	121	0.6
Hypoxic Ischemic Encephalopathy (HIE)	20,421	<0.1	8,893	0.1	7,101	0.1	3,485	0.1	63	<0.1	32	<0.1	26	<0.1	225	0.3	-	-
Cortical Blindness	5,918	<0.1	5,844	0.1	5,825	0.1	1,396	<0.1	49	<0.1	12	<0.1	15	<0.1	34	<0.1	-	-
Epidemic Vertigo	702	<0.1	387	<0.1	181	<0.1	178	<0.1	229	<0.1	-	-	-	-	-	-	0	0.0
<b>SCREENINGS DELIVERED 2020-2024</b>																		
Auditory screening tests	4,212,296	8.3	1,809,434	19.8	915,233	14.5	1,289,887	41.0	121,219	21.8	28,666	12.4	7,800	4.1	4,255	5.8	1,000	5.2
Retinal screening tests	1,948,146	3.8	1,705,261	18.7	1,665,713	26.4	316,724	10.1	65,173	11.7	20,260	8.8	28,262	14.8	4,344	5.9	1,760	9.1
Newborn hearing screening tests	280,086	0.6	58,099	0.6	37,431	0.6	27,135	0.9	213	<0.1	189	0.1	25	<0.1	174	0.2	-	-
Vestibular function tests	94,173	0.2	82,680	0.9	35,169	0.6	65,354	2.1	43,844	7.9	1,809	0.8	953	0.5	271	0.4	125	0.6
<b>HEARING DEVICE ASSESSMENT 2020-2024</b>																		
Hearing aids	145,531	0.3	142,993	1.6	53,990	0.9	142,223	4.5	10,310	1.9	1,734	0.8	591	0.3	381	0.5	131	0.7
Hearing implants	35,450	0.1	35,068	0.4	8,139	0.1	34,967	1.1	3,448	0.6	263	0.1	105	0.1	62	0.1	19	0.1

<sup>1</sup>Total only includes 75 data-contributing partners in PCORnet.

<sup>2</sup>Some totals may not add up due to masking low cell sizes.