

2004-2005 STATE SUMMARY

Gallaudet Research Institute * 800 Florida Avenue, NE * Washington, DC 20002

202-651-5575 * 1-800-451-8834 ext 5575

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AGE	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	59	3.3	126	2.1	841	2.2
Total known information	1714	100.0	5751	100.0	36659	100.0
Under 3 years	32	1.9	123	2.1	1244	3.4
From 3 to 5 years	130	7.6	545	9.5	3419	9.3
From 6 to 9 years	390	22.8	1306	22.7	7898	21.5
From 10 to 13 years	552	32.2	1674	29.1	10348	28.2
From 14 to 17 years	473	27.6	1582	27.5	10230	27.9
18 years and older	137	8.0	521	9.1	3520	9.6
SEX						
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	8	0.5	29	0.5	148	0.4
Total known information	1765	100.0	5848	100.0	37352	100.0
Male	942	53.4	3194	54.6	20253	54.2
Female	823	46.6	2654	45.4	17099	45.8
RACE/ETHNIC BACKGROUND						
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	74	4.2	139	2.4	583	1.6
Total known information	1699	100.0	5738	100.0	36917	100.0
White	1249	73.5	3359	58.5	18712	50.7
Black/African-American	247	14.5	871	15.2	5647	15.3
Hispanic/Latino	114	6.7	1053	18.4	9226	25.0
American Indian/Alaska Native	1	0.1	9	0.2	307	0.8
Asian/Pacific Islander	34	2.0	232	4.0	1512	4.1
Other	28	1.6	116	2.0	708	1.9
Multi-ethnic background indicated	26	1.5	98	1.7	805	2.2

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AGE AT ONSET OF HEARING LOSS	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	64	3.6	255	4.3	1551	4.1
Total known information	1709	100.0	5622	100.0	35949	100.0
At birth	610	35.7	2301	40.9	15212	42.3
Under 3 years	340	19.9	1438	25.6	6930	19.3
3 years or older	142	8.3	347	6.2	1985	5.5
Unknown	617	36.1	1536	27.3	11822	32.9

AGE AT ONSET OF HEARING LOSS	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	64	3.6	255	4.3	1551	4.1
Total known information	1709	100.0	5622	100.0	35949	100.0
At Birth	610	35.7	2301	40.9	15212	42.3
Under One Year	122	7.1	505	9.0	2631	7.3
Unknown, but before age 2	142	8.3	577	10.3	2953	8.2
Unknown	617	36.1	1536	27.3	11822	32.9
1 year of age	41	2.4	184	3.3	587	1.6
2 years of age	35	2.0	172	3.1	759	2.1
3 years of age	26	1.5	104	1.8	554	1.5
4 years of age	28	1.6	64	1.1	361	1.0
5 years of age	30	1.8	63	1.1	336	0.9
6 years of age	13	0.8	30	0.5	205	0.6
7 years of age	13	0.8	28	0.5	137	0.4
8+ years of age	32	1.9	58	1.0	392	1.1

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ETIOLOGY **	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	65	3.7	279	4.7	1778	4.7
Total Known Information	1708	100.0	5598	100.0	35722	100.0
Genetic/Hereditary/Familial	421	24.6	1382	24.7	8107	22.7
Pregnancy Related						
Maternal rubella	2	0.1	59	1.1	232	0.6
Cytomegalovirus (CMV)	31	1.8	89	1.6	629	1.8
Maternal drug/alcohol abuse	18	1.1	47	0.8	256	0.7
Medications taken by mother	4	0.2	23	0.4	101	0.3
Rh incompatibility	3	0.2	11	0.2	78	0.2
Consequence of prematurity	76	4.4	230	4.1	1428	4.0
Trauma at birth	7	0.4	38	0.7	231	0.6
Other complications of pregnancy	55	3.2	218	3.9	1346	3.8
Post-Birth Disease/Injury						
Otitis media	106	6.2	274	4.9	1718	4.8
Meningitis	53	3.1	211	3.8	1291	3.6
Other infections	21	1.2	88	1.6	408	1.1
Medications taken by child	40	2.3	94	1.7	554	1.6
Trauma after birth	13	0.8	29	0.5	252	0.7
Other post-birth cause	68	4.0	182	3.3	1207	3.4
Cause cannot be determined/DNA	873	51.1	2851	50.9	19193	53.7
+SPECIFIC GENETIC CAUSE OR SYNDROME						
Total students	421	100.0	1382	100.0	8107	100.0
Information NOT reported	295	70.1	972	70.3	4964	61.2
Total known information	126	100.0	410	100.0	3143	100.0
Waardenburg syndrome	5	4.0	20	4.9	152	4.8
Usher syndrome	4	3.2	14	3.4	91	2.9
Treacher syndrome	6	4.8	23	5.6	104	3.3
Down syndrome	21	16.7	44	10.7	275	8.7
CHARGE syndrome	10	7.9	39	9.5	176	5.6
Chromosome abnormality	4	3.2	9	2.2	69	2.2
Connexin-26 (GJB2)	3	2.4	12	2.9	57	1.8
Other	75	59.5	251	61.2	2237	71.2

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+ New question for the 2004-2005 survey year

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PARENTAL HEARING STATUS	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	92	5.2	442	7.5	2887	7.7
Total known info., Either Parent	1681	100.0	5435	100.0	34613	100.0
Mother's status: Hearing	1608	95.7	5072	93.3	31860	92.0
Hard of hearing	49	2.9	121	2.2	1027	3.0
Deaf	21	1.2	227	4.2	1601	4.6
Unknown	3	0.2	15	0.3	125	0.4
Father's status: Hearing	1524	90.7	4719	86.8	29851	86.2
Hard of hearing	56	3.3	134	2.5	706	2.0
Deaf	18	1.1	201	3.7	1410	4.1
Unknown	83	4.9	381	7.0	2646	7.6
Both parents hearing	1482	88.2	4598	84.6	28866	83.4
Both parents deaf or hard of hearing	22	1.3	205	3.8	1445	4.2
One parent deaf/hh; other hearing	91	5.4	236	4.3	1531	4.4
One parent deaf/hh; other unknown	9	0.5	37	0.7	323	0.9
One parent hearing; other unknown	77	4.6	359	6.6	2448	7.1
HAS DEAF OR HARD OF HEARING SIBLINGS						
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	49	2.8	390	6.6	1617	4.3
Total known information	1724	100.0	5487	100.0	35883	100.0
Has deaf or hard of hearing siblings	232	13.5	822	15.0	4923	13.7
Has no deaf or hard of hearing siblings	1424	82.6	4237	77.2	28059	78.2
Data Not Available	68	3.9	428	7.8	2901	8.1

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UNAIDED AUDIOMETRIC THRESHOLDS MEASUREMENT	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	324	18.3	1164	19.8	7708	20.6
Total known information	1449	100.0	4713	100.0	29792	100.0
Earphone (preferred measurement)	1301	89.8	4204	89.2	25499	85.6
Sound field	136	9.4	463	9.8	3965	13.3
+ABR	12	0.8	46	1.0	328	1.1
DEGREE OF HEARING LOSS						
	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	195	11.0	900	15.3	5364	14.3
Total known information	1578	100.0	4977	100.0	32136	100.0
Normal (< 27 dB, ANSI)	432	27.4	918	18.4	5493	17.1
Mild (27-40 dB, ANSI)	280	17.7	548	11.0	3975	12.4
Moderate (41-55 dB, ANSI)	243	15.4	548	11.0	4318	13.4
Mod-severe (56-70 dB, ANSI)	180	11.4	509	10.2	3908	12.2
Severe (71-90 dB, ANSI)	169	10.7	763	15.3	4835	15.0
Profound (91 dB and above, ANSI)	274	17.4	1691	34.0	9607	29.9
COCHLEAR IMPLANT						
	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	46	2.6	222	3.8	1428	3.8
Total known information	1727	100.0	5655	100.0	36072	100.0
Have not had a cochlear implant	1592	92.2	4924	87.1	32021	88.8
Have had a cochlear implant	135	7.8	731	12.9	4051	11.2
Implant Use						
Total students	135	100.0	731	100.0	4051	100.0
Information NOT reported	6	4.4	37	5.1	191	4.7
Total known information	129	100.0	694	100.0	3860	100.0
Implant still used	120	93.0	666	96.0	3544	91.8
Implant no longer used	9	7.0	28	4.0	316	8.2

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COCHLEAR IMPLANT USE IN CLASSROOM	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	135	100.0	731	100.0	4051	100.0
Information NOT reported	25	18.5	114	15.6	725	17.9
Total known information	110	100.0	617	100.0	3326	100.0
Implant used in classroom	99	90.0	589	95.5	3001	90.2
Implant not used in classroom	11	10.0	28	4.5	325	9.8
FUNCTIONAL HEARING ABILITY						
	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	45	2.5	306	5.2	1651	4.4
Total known information	1728	100.0	5571	100.0	35849	100.0
Functions normally	358	20.7	855	15.3	4102	11.4
Mildly limited	812	47.0	1851	33.2	13068	36.5
Moderately limited	179	10.4	541	9.7	3794	10.6
Severely limited	270	15.6	1693	30.4	10456	29.2
No functional hearing	109	6.3	631	11.3	4429	12.4
HEARING AID USE FOR INSTRUCTION						
	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	24	1.4	213	3.6	1007	2.7
Total known information	1749	100.0	5664	100.0	36493	100.0
Hearing aid used for instruction	1104	63.1	3451	60.9	21604	59.2
Hearing aid not used for instruction	645	36.9	2213	39.1	14889	40.8
GROUP ASSISTIVE LISTENING DEVICE(ALD)USE						
	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	53	3.0	433	7.4	1849	4.9
Total known information	1720	100.0	5444	100.0	35651	100.0
Group ALD used for instruction	843	49.0	3007	55.2	14701	41.2
Group ALD not used for instruction	877	51.0	2437	44.8	20950	58.8

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SPOKEN/WRITTEN LANGUAGES IN THE HOME	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	37	2.1	202	3.4	1115	3.0
Total known information	1736	100.0	5675	100.0	36385	100.0
English	1582	91.1	4483	79.0	27476	75.5
Spanish	38	2.2	573	10.1	4438	12.2
Other	25	1.4	171	3.0	914	2.5
Multiple languages	91	5.2	448	7.9	3557	9.8
SIGN USE IN THE HOME						
	Pennsylvania	%	Northeast	%	Nation	%
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	66	3.7	322	5.5	1540	4.1
Total known information	1707	100.0	5555	100.0	35960	100.0
Family members regularly sign	291	17.0	1476	26.6	9626	26.8
Family members do not regularly sign	1394	81.7	3866	69.6	24906	69.3
Data not available	22	1.3	213	3.8	1428	4.0
COMMUNICATION MODE PRIMARILY USED IN TEACHING						
	Pennsylvania	%	Northeast	%	Nation	%
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	17	1.0	48	0.8	421	1.1
Total known information	1756	100.0	5829	100.0	37079	100.0
Speech only	1273	72.5	2771	47.5	17738	47.8
Sign and speech	331	18.8	2476	42.5	14639	39.5
Sign only	141	8.0	500	8.6	4149	11.2
Cued Speech	1	0.1	8	0.1	122	0.3
Other	10	0.6	74	1.3	431	1.2

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INSTRUCTIONAL SETTINGS **	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	15	0.8	90	1.5	556	1.5
Total known information	1758	100.0	5787	100.0	36944	100.0
Special school or center	372	21.2	2697	46.6	10364	28.1
Self-contained clrm in req. ed. setting	239	13.6	773	13.4	11041	29.9
Resource room	301	17.1	492	8.5	5199	14.1
Regular education setting	1061	60.4	2380	41.1	17346	47.0
Home	46	2.6	119	2.1	948	2.6
Other	37	2.1	107	1.8	2434	6.6
HRS/WK INTEGRATED W/HEARING STUDENTS	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	37	2.1	144	2.5	1071	2.9
Total known information	1736	100.0	5733	100.0	36429	100.0
None	422	24.3	2776	48.4	13262	36.4
1 to 5 hours/week	96	5.5	307	5.4	3720	10.2
6 to 15 hours/week	173	10.0	425	7.4	4199	11.5
16 to 25 hours/week	228	13.1	436	7.6	3768	10.3
26 or more hours/week	817	47.1	1789	31.2	11480	31.5
+ABR Results	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	1729	97.5	5593	95.2	31062	82.8
Total known information	44	100.0	284	100.0	6438	100.0
ABR results are not available/reliable	35	79.5	202	71.1	4370	67.9
Response absent at 30 dB nHL	0	0.0	4	1.4	97	1.5
Response absent at 40 dB nHL	0	0.0	5	1.8	164	2.5
Response absent at 50 dB nHL	3	6.8	3	1.1	191	3.0
Response absent at 60 dB nHL	1	2.3	12	4.2	250	3.9
Response absent at 70-90 dB nHL	4	9.1	40	14.1	874	13.6
Response absent at 100+ dB nHL	1	2.3	18	6.3	492	7.6

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SUPPORT SERVICES RECEIVED **	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	15	0.8	125	2.1	723	1.9
Total known information	1758	100.0	5752	100.0	36777	100.0
No support services	27	1.5	290	5.0	2465	6.7
Sign interpreting	171	9.7	581	10.1	9200	25.0
Oral interpreting	29	1.6	60	1.0	455	1.2
Cued speech transliteration	5	0.3	19	0.3	135	0.4
Itinerant teacher services	1219	69.3	1864	32.4	13302	36.2
Tutoring	181	10.3	416	7.2	3301	9.0
Classroom inst. ass't/aide services	243	13.8	960	16.7	6893	18.7
+Adaptive PE	74	4.2	189	3.3	1151	3.1
Speech training/therapy	933	53.1	3845	66.8	22172	60.3
Auditory training	569	32.4	1369	23.8	9892	26.9
Counseling	101	5.7	850	14.8	4234	11.5
Occupational/Physical Therapy (OT/PT)	222	12.6	838	14.6	3397	9.2
Notetaking	50	2.8	222	3.9	1748	4.8
Real-time captioning	7	0.4	21	0.4	610	1.7
Other	142	8.1	547	9.5	4589	12.5
ADDIT. CONDITIONS OTHER THAN DEAFNESS**						
	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1773	100.0	5877	100.0	37500	100.0
Information NOT reported	57	3.2	357	6.1	2093	5.6
Total known information	1716	100.0	5520	100.0	35407	100.0
No condition in addition to deafness	865	50.4	3215	58.2	20390	57.6
Low vision	60	3.5	165	3.0	1173	3.3
Legal blindness	21	1.2	80	1.4	470	1.3
+Developmental delay	35	2.0	144	2.6	624	1.8
+Autism	22	1.3	60	1.1	341	1.0
+Orthopedic impairment(includes CP)	57	3.3	203	3.7	1295	3.7
Learning disability (LD)	292	17.0	692	12.5	3265	9.2
Attention Deficit Disorder (ADD/ADHD)	129	7.5	401	7.3	2235	6.3
+Speech or language impairment	137	8.0	244	4.4	3362	9.5
+Traumatic brain injury	2	0.1	7	0.1	52	0.1
Mental retardation	170	9.9	420	7.6	2902	8.2
Emotional disturbance	34	2.0	153	2.8	675	1.9
+Other health impairment	29	1.7	93	1.7	703	2.0
Other conditions	140	8.2	449	8.1	2446	6.9

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