

## 2003-2004 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	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	62	3.4	119	2.0	748	1.9
Total known information	1736	100.0	5752	100.0	37996	100.0
Under 3 years	10	0.6	22	0.4	566	1.5
From 3 to 5 years	92	5.3	319	5.5	2490	6.6
From 6 to 9 years	345	19.9	1143	19.9	7283	19.2
From 10 to 13 years	552	31.8	1653	28.7	10634	28.0
From 14 to 17 years	517	29.8	1656	28.8	11036	29.0
18 years and older	220	12.7	959	16.7	5987	15.8
<b>SEX</b>	<b>Pennsylvania</b>		<b>Northeast</b>		<b>Nation</b>	
	N	%	N	%	N	%
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	11	0.6	38	0.6	239	0.6
Total known information	1787	100.0	5833	100.0	38505	100.0
Male	949	53.1	3171	54.4	20935	54.4
Female	838	46.9	2662	45.6	17570	45.6
<b>RACE/ETHNIC BACKGROUND</b>	<b>Pennsylvania</b>		<b>Northeast</b>		<b>Nation</b>	
	N	%	N	%	N	%
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	94	5.2	159	2.7	595	1.5
Total known information	1704	100.0	5712	100.0	38149	100.0
White	1256	73.7	3362	58.9	19640	51.5
Black/African-American	251	14.7	882	15.4	5880	15.4
Hispanic/Latino	107	6.3	1025	17.9	9226	24.2
American Indian/Alaska Native	1	0.1	11	0.2	329	0.9
Asian/Pacific Islander	34	2.0	225	3.9	1567	4.1
Other	30	1.8	117	2.0	688	1.8
Multi-ethnic background indicated	25	1.5	90	1.6	819	2.1

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AGE AT ONSET OF HEARING LOSS	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	63	3.5	268	4.6	1412	3.6
Total known information	1735	100.0	5603	100.0	37332	100.0
At birth	621	35.8	2355	42.0	15644	41.9
Under 3 years	338	19.5	1313	23.4	7158	19.2
3 years or older	148	8.5	365	6.5	2120	5.7
Unknown	628	36.2	1570	28.0	12410	33.2
<b>ETIOLOGY **</b>						
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	68	3.8	288	4.9	1618	4.2
Total Known Information	1730	100.0	5583	100.0	37126	100.0
Genetic/Hereditary/Familial	410	23.7	1361	24.4	8087	21.8
Pregnancy Related						
Maternal rubella	3	0.2	71	1.3	246	0.7
Cytomegalovirus (CMV)	33	1.9	93	1.7	629	1.7
Maternal drug/alcohol abuse	21	1.2	46	0.8	260	0.7
Medications taken by mother	4	0.2	23	0.4	109	0.3
Rh incompatibility	3	0.2	13	0.2	97	0.3
Consequence of prematurity	76	4.4	231	4.1	1523	4.1
Trauma at birth	5	0.3	44	0.8	296	0.8
Other complications of pregnancy	56	3.2	211	3.8	1418	3.8
Post-Birth Disease/Injury						
Otitis media	114	6.6	264	4.7	1851	5.0
Meningitis	62	3.6	246	4.4	1483	4.0
Other infections	22	1.3	93	1.7	478	1.3
Medications taken by child	33	1.9	88	1.6	577	1.6
Trauma after birth	17	1.0	34	0.6	276	0.7
Other post-birth cause	65	3.8	180	3.2	1265	3.4
Cause cannot be determined/DNA	891	51.5	2821	50.5	19945	53.7

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PARENTAL HEARING STATUS	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	97	5.4	459	7.8	3033	7.8
Total known info., Either Parent	1701	100.0	5412	100.0	35711	100.0
Mother's status: Hearing	1626	95.6	5036	93.1	32944	92.3
Hard of hearing	52	3.1	125	2.3	1015	2.8
Deaf	21	1.2	235	4.3	1614	4.5
Unknown	2	0.1	16	0.3	138	0.4
Father's status: Hearing	1543	90.7	4674	86.4	30811	86.3
Hard of hearing	62	3.6	135	2.5	727	2.0
Deaf	15	0.9	209	3.9	1413	4.0
Unknown	81	4.8	394	7.3	2760	7.7
Both parents hearing	1496	87.9	4550	84.1	29811	83.5
Both parents deaf or hard of hearing	19	1.1	213	3.9	1447	4.1
One parent deaf/hh; other hearing	103	6.1	239	4.4	1555	4.4
One parent deaf/hh; other unknown	9	0.5	39	0.7	320	0.9
One parent hearing; other unknown	74	4.4	371	6.9	2578	7.2
<b>HAS DEAF OR HARD OF HEARING SIBLINGS</b>						
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	80	4.4	500	8.5	2217	5.7
Total known information	1718	100.0	5371	100.0	36527	100.0
Has deaf or hard of hearing siblings	231	13.4	798	14.9	4859	13.3
Has no deaf or hard of hearing siblings	1415	82.4	4148	77.2	28662	78.5
Data Not Available	72	4.2	425	7.9	3006	8.2

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UNAIDED AUDIOMETRIC THRESHOLDS MEASUREMENT	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	371	20.6	1232	21.0	7982	20.6
Total known information	1427	100.0	4639	100.0	30762	100.0
Earphone (preferred measurement)	1313	92.0	4308	92.9	27211	88.5
Sound field	114	8.0	331	7.1	3551	11.5
<b>DEGREE OF HEARING LOSS</b>						
	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	203	11.3	880	15.0	5146	13.3
Total known information	1595	100.0	4991	100.0	33598	100.0
Normal (< 27 dB, ANSI)	426	26.7	882	17.7	5630	16.8
Mild (27-40 dB, ANSI)	277	17.4	524	10.5	4134	12.3
Moderate (41-55 dB, ANSI)	247	15.5	509	10.2	4439	13.2
Mod-severe (56-70 dB, ANSI)	184	11.5	515	10.3	4150	12.4
Severe (71-90 dB, ANSI)	186	11.7	760	15.2	5109	15.2
Profound (91 dB and above, ANSI)	275	17.2	1801	36.1	10136	30.2
<b>COCHLEAR IMPLANT</b>						
	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	63	3.5	300	5.1	1591	4.1
Total known information	1735	100.0	5571	100.0	37153	100.0
Have not had a cochlear implant	1597	92.0	4989	89.6	33578	90.4
Have had a cochlear implant	138	8.0	582	10.4	3575	9.6
Implant Use						
Total students	138	100.0	582	100.0	3575	100.0
Information NOT reported	7	5.1	35	6.0	160	4.5
Total known information	131	100.0	547	100.0	3415	100.0
Implant still used	125	95.4	522	95.4	3118	91.3
Implant no longer used	6	4.6	25	4.6	297	8.7

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COCHLEAR IMPLANT USE IN CLASSROOM	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	138	100.0	582	100.0	3575	100.0
Information NOT reported	76	55.1	200	34.4	1130	31.6
Total known information	62	100.0	382	100.0	2445	100.0
Implant used in classroom	57	91.9	366	95.8	2194	89.7
Implant not used in classroom	5	8.1	16	4.2	251	10.3
FUNCTIONAL HEARING ABILITY	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	47	2.6	306	5.2	1488	3.8
Total known information	1751	100.0	5565	100.0	37256	100.0
Functions normally	399	22.8	873	15.7	4808	12.9
Mildly limited	839	47.9	1869	33.6	14113	37.9
+ Moderately limited	106	6.1	300	5.4	1995	5.4
Severely limited	294	16.8	1802	32.4	11523	30.9
No functional hearing	113	6.5	721	13.0	4817	12.9
HEARING AID USE FOR INSTRUCTION	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	51	2.8	293	5.0	1128	2.9
Total known information	1747	100.0	5578	100.0	37616	100.0
Hearing aid used for instruction	1121	64.2	3364	60.3	22568	60.0
Hearing aid not used for instruction	626	35.8	2214	39.7	15048	40.0
GROUP ASSISTIVE LISTENING DEVICE(ALD)USE	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	108	6.0	674	11.5	2758	7.1
Total known information	1690	100.0	5197	100.0	35986	100.0
Group ALD used for instruction	822	48.6	2807	54.0	14441	40.1
Group ALD not used for instruction	868	51.4	2390	46.0	21545	59.9

+ "Moderately limited" is a new, added response for the functional hearing ability question in the 2003-04 Annual Survey. This response is not included in the data reported to the 2003-04 Texas State Survey.

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SPOKEN/WRITTEN LANGUAGES IN THE HOME	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	29	1.6	229	3.9	1098	2.8
Total known information	1769	100.0	5642	100.0	37646	100.0
English	1615	91.3	4452	78.9	28724	76.3
Spanish	36	2.0	574	10.2	4409	11.7
Other	27	1.5	179	3.2	980	2.6
Multiple languages	91	5.1	437	7.7	3533	9.4
<b>SIGN USE IN THE HOME</b>						
	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	93	5.2	405	6.9	1902	4.9
Total known information	1705	100.0	5466	100.0	36842	100.0
Family members regularly sign	290	17.0	1522	27.8	9921	26.9
Family members do not regularly sign	1400	82.1	3762	68.8	25415	69.0
Data not available	15	0.9	182	3.3	1506	4.1
<b>COMMUNICATION MODE PRIMARILY USED IN TEACHING</b>						
	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	16	0.9	66	1.1	394	1.0
Total known information	1782	100.0	5805	100.0	38350	100.0
Speech only	1294	72.6	2602	44.8	18120	47.2
Sign and speech	348	19.5	2647	45.6	15460	40.3
Sign only	130	7.3	498	8.6	4175	10.9
Cued Speech	1	0.1	8	0.1	117	0.3
Other	9	0.5	50	0.9	478	1.2

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INSTRUCTIONAL SETTINGS **	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	16	0.9	102	1.7	567	1.5
Total known information	1782	100.0	5769	100.0	38177	100.0
Special school or center	346	19.4	2708	46.9	10354	27.1
Self-contained clrm in req. ed. setting	257	14.4	727	12.6	11854	31.1
Resource room	295	16.6	520	9.0	5290	13.9
Regular education setting	1083	60.8	2345	40.6	17573	46.0
Home	49	2.7	88	1.5	1156	3.0
Other	84	4.7	177	3.1	1729	4.5
<hr/>						
HRS/WK INTEGRATED W/HEARING STUDENTS	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	45	2.5	155	2.6	903	2.3
Total known information	1753	100.0	5716	100.0	37841	100.0
None	431	24.6	2808	49.1	13994	37.0
1 to 5 hours/week	112	6.4	292	5.1	4000	10.6
6 to 15 hours/week	187	10.7	442	7.7	4226	11.2
16 to 25 hours/week	232	13.2	476	8.3	3847	10.2
26 or more hours/week	791	45.1	1698	29.7	11774	31.1

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SUPPORT SERVICES RECEIVED **	Pennsylvania		Northeast		Nation	
	N	%	N	%	N	%
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	17	0.9	148	2.5	817	2.1
Total known information	1781	100.0	5723	100.0	37927	100.0
No support services	25	1.4	224	3.9	2179	5.7
Oral interpreting	26	1.5	50	0.9	381	1.0
Sign interpreting	170	9.5	619	10.8	8749	23.1
Cued speech transliteration	8	0.4	17	0.3	126	0.3
Tutoring	132	7.4	369	6.4	2667	7.0
Speech training/therapy	941	52.8	3627	63.4	22973	60.6
Notetaking	53	3.0	184	3.2	1636	4.3
Real-time captioning	8	0.4	20	0.3	411	1.1
Counseling	94	5.3	790	13.8	4229	11.2
Itinerant teacher services	1168	65.6	1732	30.3	13691	36.1
Classroom inst. ass't/aide services	230	12.9	837	14.6	6755	17.8
Auditory training	511	28.7	1065	18.6	9991	26.3
Occupational/Physical Therapy (OT/PT)	213	12.0	666	11.6	3350	8.8
Other	218	12.2	742	13.0	5129	13.5
<b>ADDIT. CONDITIONS OTHER THAN DEAFNESS**</b>						
Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	76	4.2	446	7.6	2585	6.7
Total known information	1722	100.0	5425	100.0	36159	100.0
No condition in addition to deafness	938	54.5	3221	59.4	21860	60.5
Low vision	56	3.3	145	2.7	1134	3.1
Legal blindness	24	1.4	81	1.5	517	1.4
Learning disability	298	17.3	724	13.3	3621	10.0
Mental retardation	182	10.6	452	8.3	3288	9.1
Attention Deficit Disorder	130	7.5	410	7.6	2388	6.6
Emotional disturbance	35	2.0	164	3.0	714	2.0
Cerebral palsy	55	3.2	174	3.2	1153	3.2
Other conditions	180	10.5	606	11.2	4818	13.3

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FUNCTIONAL ASSESSMENT **	Pennsylvania		Northeast		Nation	
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Total students	1798	100.0	5871	100.0	38744	100.0
Information NOT reported	43	2.4	294	5.0	1791	4.6
Total known information	1755	100.0	5577	100.0	36953	100.0
No functional limitations	588	33.5	1830	32.8	11268	30.5
1 or more functional limitation	1167	66.5	3747	67.2	25685	69.5
*Vision	225	12.8	701	12.6	4623	12.5
*Thinking/reasoning	640	36.5	2060	36.9	12788	34.6
*Maintaining attention to classroom tasks	744	42.4	2327	41.7	14372	38.9
*Expressive communication	803	45.8	2723	48.8	19456	52.7
*Receptive communication	844	48.1	2744	49.2	19674	53.2
*Social interaction/classroom behavior	545	31.1	1873	33.6	11385	30.8
*Use of hands, arms, and legs	229	13.0	743	13.3	4587	12.4
*Balance	178	10.1	645	11.6	3836	10.4
*Overall physical health	226	12.9	643	11.5	4142	11.2

\*\* Percent may total more than 100.0 because multiple responses were allowed

\* Note: Percents are based on total known information.

For example, 12,788 (34.6%) of the students were reported to have some level of functional limitation (mild to moderate or severe to profound) in their thinking/reasoning skills - when compared to non-disabled hearing children.

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