

## 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	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	56	5.2	229	2.5	841	2.2
Total known information	1020	100.0	9043	100.0	36659	100.0
Under 3 years	45	4.4	201	2.2	1244	3.4
From 3 to 5 years	96	9.4	783	8.7	3419	9.3
From 6 to 9 years	217	21.3	2063	22.8	7898	21.5
From 10 to 13 years	291	28.5	2637	29.2	10348	28.2
From 14 to 17 years	263	25.8	2510	27.8	10230	27.9
18 years and older	108	10.6	849	9.4	3520	9.6
SEX	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	14	1.3	50	0.5	148	0.4
Total known information	1062	100.0	9222	100.0	37352	100.0
Male	588	55.4	5086	55.2	20253	54.2
Female	474	44.6	4136	44.8	17099	45.8
RACE/ETHNIC BACKGROUND	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	22	2.0	133	1.4	583	1.6
Total known information	1054	100.0	9139	100.0	36917	100.0
White	674	63.9	5930	64.9	18712	50.7
Black/African-American	112	10.6	1413	15.5	5647	15.3
Hispanic/Latino	61	5.8	960	10.5	9226	25.0
American Indian/Alaska Native	9	0.9	48	0.5	307	0.8
Asian/Pacific Islander	137	13.0	353	3.9	1512	4.1
Other	35	3.3	240	2.6	708	1.9
Multi-ethnic background indicated	26	2.5	195	2.1	805	2.2

Data from this report should be cited/referenced as:

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AGE AT ONSET OF HEARING LOSS	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	40	3.7	380	4.1	1551	4.1
Total known information	1036	100.0	8892	100.0	35949	100.0
At birth	410	39.6	3427	38.5	15212	42.3
Under 3 years	216	20.8	1586	17.8	6930	19.3
3 years or older	60	5.8	562	6.3	1985	5.5
Unknown	350	33.8	3317	37.3	11822	32.9

  

AGE AT ONSET OF HEARING LOSS	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	40	3.7	380	4.1	1551	4.1
Total known information	1036	100.0	8892	100.0	35949	100.0
At Birth	410	39.6	3427	38.5	15212	42.3
Under One Year	85	8.2	611	6.9	2631	7.3
Unknown, but before age 2	98	9.5	707	8.0	2953	8.2
Unknown	350	33.8	3317	37.3	11822	32.9
1 year of age	12	1.2	85	1.0	587	1.6
2 years of age	21	2.0	183	2.1	759	2.1
3 years of age	16	1.5	152	1.7	554	1.5
4 years of age	14	1.4	95	1.1	361	1.0
5 years of age	10	1.0	106	1.2	336	0.9
6 years of age	6	0.6	68	0.8	205	0.6
7 years of age	2	0.2	39	0.4	137	0.4
8+ years of age	12	1.2	102	1.1	392	1.1

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ETIOLOGY **	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	105	9.8	436	4.7	1778	4.7
Total Known Information	971	100.0	8836	100.0	35722	100.0
Genetic/Hereditary/Familial	259	26.7	1989	22.5	8107	22.7
Pregnancy Related						
Maternal rubella	2	0.2	29	0.3	232	0.6
Cytomegalovirus (CMV)	9	0.9	124	1.4	629	1.8
Maternal drug/alcohol abuse	5	0.5	73	0.8	256	0.7
Medications taken by mother	3	0.3	25	0.3	101	0.3
Rh incompatibility	3	0.3	20	0.2	78	0.2
Consequence of prematurity	28	2.9	301	3.4	1428	4.0
Trauma at birth	6	0.6	55	0.6	231	0.6
Other complications of pregnancy	20	2.1	290	3.3	1346	3.8
Post-Birth Disease/Injury						
Otitis media	89	9.2	653	7.4	1718	4.8
Meningitis	39	4.0	296	3.3	1291	3.6
Other infections	7	0.7	76	0.9	408	1.1
Medications taken by child	13	1.3	148	1.7	554	1.6
Trauma after birth	9	0.9	63	0.7	252	0.7
Other post-birth cause	34	3.5	312	3.5	1207	3.4
Cause cannot be determined/DNA	482	49.6	4680	53.0	19193	53.7
<b>+SPECIFIC GENETIC CAUSE OR SYNDROME</b>						
Total students	259	100.0	1989	100.0	8107	100.0
Information NOT reported	194	74.9	1450	72.9	4964	61.2
Total known information	65	100.0	539	100.0	3143	100.0
Waardenburg syndrome	4	6.2	31	5.8	152	4.8
Usher syndrome	0	0.0	19	3.5	91	2.9
Treacher syndrome	3	4.6	15	2.8	104	3.3
Down syndrome	8	12.3	80	14.8	275	8.7
CHARGE syndrome	6	9.2	42	7.8	176	5.6
Chromosome abnormality	1	1.5	16	3.0	69	2.2
Connexin-26 (GJB2)	2	3.1	15	2.8	57	1.8
Other	42	64.6	325	60.3	2237	71.2

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

+ New question for the 2004-2005 survey year

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PARENTAL HEARING STATUS	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	65	6.0	752	8.1	2887	7.7
Total known info., Either Parent	1011	100.0	8520	100.0	34613	100.0
Mother's status: Hearing	899	88.9	7784	91.4	31860	92.0
Hard of hearing	41	4.1	343	4.0	1027	3.0
Deaf	68	6.7	358	4.2	1601	4.6
Unknown	3	0.3	35	0.4	125	0.4
Father's status: Hearing	852	84.3	7227	84.8	29851	86.2
Hard of hearing	32	3.2	229	2.7	706	2.0
Deaf	63	6.2	323	3.8	1410	4.1
Unknown	64	6.3	741	8.7	2646	7.6
Both parents hearing	822	81.3	6936	81.4	28866	83.4
Both parents deaf or hard of hearing	73	7.2	342	4.0	1445	4.2
One parent deaf/hh; other hearing	49	4.8	466	5.5	1531	4.4
One parent deaf/hh; other unknown	9	0.9	103	1.2	323	0.9
One parent hearing; other unknown	58	5.7	673	7.9	2448	7.1
<b>HAS DEAF OR HARD OF HEARING SIBLINGS</b>						
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	44	4.1	314	3.4	1617	4.3
Total known information	1032	100.0	8958	100.0	35883	100.0
Has deaf or hard of hearing siblings	164	15.9	1261	14.1	4923	13.7
Has no deaf or hard of hearing siblings	814	78.9	6956	77.7	28059	78.2
Data Not Available	54	5.2	741	8.3	2901	8.1

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UNAIDED AUDIOMETRIC THRESHOLDS MEASUREMENT	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	348	32.3	1860	20.1	7708	20.6
Total known information	728	100.0	7412	100.0	29792	100.0
Earphone (preferred measurement)	617	84.8	6381	86.1	25499	85.6
Sound field	98	13.5	969	13.1	3965	13.3
+ABR	13	1.8	62	0.8	328	1.1
<b>DEGREE OF HEARING LOSS</b>						
	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	228	21.2	1202	13.0	5364	14.3
Total known information	848	100.0	8070	100.0	32136	100.0
Normal (< 27 dB, ANSI)	209	24.6	1817	22.5	5493	17.1
Mild (27-40 dB, ANSI)	162	19.1	1262	15.6	3975	12.4
Moderate (41-55 dB, ANSI)	131	15.4	1196	14.8	4318	13.4
Mod-severe (56-70 dB, ANSI)	87	10.3	928	11.5	3908	12.2
Severe (71-90 dB, ANSI)	75	8.8	1056	13.1	4835	15.0
Profound (91 dB and above, ANSI)	184	21.7	1811	22.4	9607	29.9
<b>COCHLEAR IMPLANT</b>						
	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	48	4.5	303	3.3	1428	3.8
Total known information	1028	100.0	8969	100.0	36072	100.0
Have not had a cochlear implant	941	91.5	7945	88.6	32021	88.8
Have had a cochlear implant	87	8.5	1024	11.4	4051	11.2
Implant Use						
Total students	87	100.0	1024	100.0	4051	100.0
Information NOT reported	9	10.3	46	4.5	191	4.7
Total known information	78	100.0	978	100.0	3860	100.0
Implant still used	68	87.2	888	90.8	3544	91.8
Implant no longer used	10	12.8	90	9.2	316	8.2

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COCHLEAR IMPLANT USE IN CLASSROOM	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	87	100.0	1024	100.0	4051	100.0
Information NOT reported	17	19.5	148	14.5	725	17.9
Total known information	70	100.0	876	100.0	3326	100.0
Implant used in classroom	59	84.3	791	90.3	3001	90.2
Implant not used in classroom	11	15.7	85	9.7	325	9.8
<b>FUNCTIONAL HEARING ABILITY</b>						
	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	72	6.7	416	4.5	1651	4.4
Total known information	1004	100.0	8856	100.0	35849	100.0
Functions normally	136	13.5	1243	14.0	4102	11.4
Mildly limited	473	47.1	3695	41.7	13068	36.5
Moderately limited	92	9.2	1039	11.7	3794	10.6
Severely limited	181	18.0	1976	22.3	10456	29.2
No functional hearing	122	12.2	903	10.2	4429	12.4
<b>HEARING AID USE FOR INSTRUCTION</b>						
	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	23	2.1	170	1.8	1007	2.7
Total known information	1053	100.0	9102	100.0	36493	100.0
Hearing aid used for instruction	544	51.7	5230	57.5	21604	59.2
Hearing aid not used for instruction	509	48.3	3872	42.5	14889	40.8
<b>GROUP ASSISTIVE LISTENING DEVICE(ALD)USE</b>						
	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	71	6.6	386	4.2	1849	4.9
Total known information	1005	100.0	8886	100.0	35651	100.0
Group ALD used for instruction	364	36.2	4046	45.5	14701	41.2
Group ALD not used for instruction	641	63.8	4840	54.5	20950	58.8

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SPOKEN/WRITTEN LANGUAGES IN THE HOME	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	21	2.0	241	2.6	1115	3.0
Total known information	1055	100.0	9031	100.0	36385	100.0
English	840	79.6	7714	85.4	27476	75.5
Spanish	32	3.0	454	5.0	4438	12.2
Other	128	12.1	290	3.2	914	2.5
Multiple languages	55	5.2	573	6.3	3557	9.8
<b>SIGN USE IN THE HOME</b>						
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	44	4.1	323	3.5	1540	4.1
Total known information	1032	100.0	8949	100.0	35960	100.0
Family members regularly sign	292	28.3	2189	24.5	9626	26.8
Family members do not regularly sign	734	71.1	6548	73.2	24906	69.3
Data not available	6	0.6	212	2.4	1428	4.0
<b>COMMUNICATION MODE PRIMARILY USED IN TEACHING</b>						
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	4	0.4	68	0.7	421	1.1
Total known information	1072	100.0	9204	100.0	37079	100.0
Speech only	596	55.6	5119	55.6	17738	47.8
Sign and speech	357	33.3	3348	36.4	14639	39.5
Sign only	79	7.4	638	6.9	4149	11.2
Cued Speech	28	2.6	37	0.4	122	0.3
Other	12	1.1	62	0.7	431	1.2

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INSTRUCTIONAL SETTINGS **	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	26	2.4	112	1.2	556	1.5
Total known information	1050	100.0	9160	100.0	36944	100.0
Special school or center	242	23.0	1702	18.6	10364	28.1
Self-contained clrm in req. ed. setting	211	20.1	3000	32.8	11041	29.9
Resource room	150	14.3	1486	16.2	5199	14.1
Regular education setting	546	52.0	4739	51.7	17346	47.0
Home	49	4.7	189	2.1	948	2.6
Other	92	8.8	303	3.3	2434	6.6
HRS/WK INTEGRATED W/HEARING STUDENTS	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	31	2.9	272	2.9	1071	2.9
Total known information	1045	100.0	9000	100.0	36429	100.0
None	313	30.0	2821	31.3	13262	36.4
1 to 5 hours/week	119	11.4	937	10.4	3720	10.2
6 to 15 hours/week	100	9.6	1070	11.9	4199	11.5
16 to 25 hours/week	95	9.1	1092	12.1	3768	10.3
26 or more hours/week	418	40.0	3080	34.2	11480	31.5
+ABR Results	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	1064	98.9	8958	96.6	31062	82.8
Total known information	12	100.0	314	100.0	6438	100.0
ABR results are not available/reliable	6	50.0	242	77.1	4370	67.9
Response absent at 30 dB nHL	0	0.0	5	1.6	97	1.5
Response absent at 40 dB nHL	4	33.3	7	2.2	164	2.5
Response absent at 50 dB nHL	0	0.0	8	2.5	191	3.0
Response absent at 60 dB nHL	1	8.3	9	2.9	250	3.9
Response absent at 70-90 dB nHL	0	0.0	26	8.3	874	13.6
Response absent at 100+ dB nHL	1	8.3	17	5.4	492	7.6

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+ New question for the 2004-2005 survey year

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SUPPORT SERVICES RECEIVED **	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	21	2.0	185	2.0	723	1.9
Total known information	1055	100.0	9087	100.0	36777	100.0
No support services	70	6.6	544	6.0	2465	6.7
Sign interpreting	173	16.4	2257	24.8	9200	25.0
Oral interpreting	1	0.1	119	1.3	455	1.2
Cued speech transliteration	29	2.7	40	0.4	135	0.4
Itinerant teacher services	508	48.2	3884	42.7	13302	36.2
Tutoring	47	4.5	698	7.7	3301	9.0
Classroom inst. ass't/aide services	135	12.8	1314	14.5	6893	18.7
+Adaptive PE	51	4.8	305	3.4	1151	3.1
Speech training/therapy	535	50.7	5340	58.8	22172	60.3
Auditory training	103	9.8	1729	19.0	9892	26.9
Counseling	125	11.8	1103	12.1	4234	11.5
Occupational/Physical Therapy (OT/PT)	94	8.9	937	10.3	3397	9.2
Notetaking	31	2.9	400	4.4	1748	4.8
Real-time captioning	4	0.4	101	1.1	610	1.7
Other	203	19.2	1005	11.1	4589	12.5
<b>ADDIT. CONDITIONS OTHER THAN DEAFNESS**</b>						
	Minnesota		Midwest		Nation	
	N	%	N	%	N	%
Total students	1076	100.0	9272	100.0	37500	100.0
Information NOT reported	123	11.4	527	5.7	2093	5.6
Total known information	953	100.0	8745	100.0	35407	100.0
No condition in addition to deafness	549	57.6	4882	55.8	20390	57.6
Low vision	24	2.5	255	2.9	1173	3.3
Legal blindness	10	1.0	106	1.2	470	1.3
+Developmental delay	37	3.9	177	2.0	624	1.8
+Autism	13	1.4	100	1.1	341	1.0
+Orthopedic impairment(includes CP)	26	2.7	283	3.2	1295	3.7
Learning disability (LD)	63	6.6	915	10.5	3265	9.2
Attention Deficit Disorder (ADD/ADHD)	81	8.5	694	7.9	2235	6.3
+Speech or language impairment	60	6.3	790	9.0	3362	9.5
+Traumatic brain injury	1	0.1	15	0.2	52	0.1
Mental retardation	72	7.6	805	9.2	2902	8.2
Emotional disturbance	26	2.7	195	2.2	675	1.9
+Other health impairment	22	2.3	211	2.4	703	2.0
Other conditions	89	9.3	593	6.8	2446	6.9

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