

## 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	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	4	1.6	229	2.5	841	2.2
Total known information	244	100.0	9043	100.0	36659	100.0
Under 3 years	0	0.0	201	2.2	1244	3.4
From 3 to 5 years	23	9.4	783	8.7	3419	9.3
From 6 to 9 years	40	16.4	2063	22.8	7898	21.5
From 10 to 13 years	68	27.9	2637	29.2	10348	28.2
From 14 to 17 years	73	29.9	2510	27.8	10230	27.9
18 years and older	40	16.4	849	9.4	3520	9.6
<b>SEX</b>						
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	0	0.0	50	0.5	148	0.4
Total known information	248	100.0	9222	100.0	37352	100.0
Male	142	57.3	5086	55.2	20253	54.2
Female	106	42.7	4136	44.8	17099	45.8
<b>RACE/ETHNIC BACKGROUND</b>						
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	3	1.2	133	1.4	583	1.6
Total known information	245	100.0	9139	100.0	36917	100.0
White	176	71.8	5930	64.9	18712	50.7
Black/African-American	25	10.2	1413	15.5	5647	15.3
Hispanic/Latino	25	10.2	960	10.5	9226	25.0
American Indian/Alaska Native	5	2.0	48	0.5	307	0.8
Asian/Pacific Islander	7	2.9	353	3.9	1512	4.1
Other	2	0.8	240	2.6	708	1.9
Multi-ethnic background indicated	5	2.0	195	2.1	805	2.2

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AGE AT ONSET OF HEARING LOSS	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	7	2.8	380	4.1	1551	4.1
Total known information	241	100.0	8892	100.0	35949	100.0
At Birth	116	48.1	3427	38.5	15212	42.3
Under 3 years	34	14.1	1586	17.8	6930	19.3
3 years or older	11	4.6	562	6.3	1985	5.5
Unknown	80	33.2	3317	37.3	11822	32.9
AGE AT ONSET OF HEARING LOSS						
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	7	2.8	380	4.1	1551	4.1
Total known information	241	100.0	8892	100.0	35949	100.0
At Birth	116	48.1	3427	38.5	15212	42.3
Under One Year	16	6.6	611	6.9	2631	7.3
Unknown, but before age 2	15	6.2	707	8.0	2953	8.2
Unknown	80	33.2	3317	37.3	11822	32.9
1 year of age	1	0.4	85	1.0	587	1.6
2 years of age	2	0.8	183	2.1	759	2.1
3 years of age	3	1.2	152	1.7	554	1.5
4 years of age	3	1.2	95	1.1	361	1.0
5 years of age	2	0.8	106	1.2	336	0.9
6 years of age	2	0.8	68	0.8	205	0.6
7 years of age	0	0.0	39	0.4	137	0.4
8+ years of age	1	0.4	102	1.1	392	1.1

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ETIOLOGY **	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	2	0.8	436	4.7	1778	4.7
Total Known Information	246	100.0	8836	100.0	35722	100.0
Genetic/Hereditary/Familial	82	33.3	1989	22.5	8107	22.7
Pregnancy Related						
Maternal rubella	0	0.0	29	0.3	232	0.6
Cytomegalovirus (CMV)	10	4.1	124	1.4	629	1.8
Maternal drug/alcohol abuse	2	0.8	73	0.8	256	0.7
Medications taken by mother	0	0.0	25	0.3	101	0.3
Rh incompatibility	0	0.0	20	0.2	78	0.2
Consequence of prematurity	7	2.8	301	3.4	1428	4.0
Trauma at birth	1	0.4	55	0.6	231	0.6
Other complications of pregnancy	6	2.4	290	3.3	1346	3.8
Post-Birth Disease/Injury						
Otitis media	6	2.4	653	7.4	1718	4.8
Meningitis	6	2.4	296	3.3	1291	3.6
Other infections	1	0.4	76	0.9	408	1.1
Medications taken by child	3	1.2	148	1.7	554	1.6
Trauma after birth	2	0.8	63	0.7	252	0.7
Other post-birth cause	4	1.6	312	3.5	1207	3.4
Cause cannot be determined/DNA	122	49.6	4680	53.0	19193	53.7
<b>+SPECIFIC GENETIC CAUSE OR SYNDROME</b>						
Total students	82	100.0	1989	100.0	8107	100.0
Information NOT reported	70	85.4	1450	72.9	4964	61.2
Total known information	12	100.0	539	100.0	3143	100.0
Waardenburg syndrome	0	0.0	31	5.8	152	4.8
Usher syndrome	0	0.0	19	3.5	91	2.9
Treacher syndrome	0	0.0	15	2.8	104	3.3
Down syndrome	1	8.3	80	14.8	275	8.7
CHARGE syndrome	2	16.7	42	7.8	176	5.6
Chromosome abnormality	1	8.3	16	3.0	69	2.2
Connexin-26 (GJB2)	0	0.0	15	2.8	57	1.8
Other	8	66.7	325	60.3	2237	71.2

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+ New question for the 2004-2005 survey year

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PARENTAL HEARING STATUS	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	11	4.4	752	8.1	2887	7.7
Total known info., Either Parent	237	100.0	8520	100.0	34613	100.0
Mother's status: Hearing	200	84.4	7784	91.4	31860	92.0
Hard of hearing	7	3.0	343	4.0	1027	3.0
Deaf	29	12.2	358	4.2	1601	4.6
Unknown	1	0.4	35	0.4	125	0.4
Father's status: Hearing	191	80.6	7227	84.8	29851	86.2
Hard of hearing	7	3.0	229	2.7	706	2.0
Deaf	25	10.5	323	3.8	1410	4.1
Unknown	14	5.9	741	8.7	2646	7.6
Both parents hearing	182	76.8	6936	81.4	28866	83.4
Both parents deaf or hard of hearing	27	11.4	342	4.0	1445	4.2
One parent deaf/hh; other hearing	13	5.5	466	5.5	1531	4.4
One parent deaf/hh; other unknown	1	0.4	103	1.2	323	0.9
One parent hearing; other unknown	14	5.9	673	7.9	2448	7.1
<b>HAS DEAF OR HARD OF HEARING SIBLINGS</b>						
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	2	0.8	314	3.4	1617	4.3
Total known information	246	100.0	8958	100.0	35883	100.0
Has deaf or hard of hearing siblings	48	19.5	1261	14.1	4923	13.7
Has no deaf or hard of hearing siblings	187	76.0	6956	77.7	28059	78.2
Data Not Available	11	4.5	741	8.3	2901	8.1

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UNAIDED AUDIOMETRIC THRESHOLDS MEASUREMENT	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	30	12.1	1860	20.1	7708	20.6
Total known information	218	100.0	7412	100.0	29792	100.0
Earphone (preferred measurement)	205	94.0	6381	86.1	25499	85.6
Sound field	11	5.0	969	13.1	3965	13.3
+ABR	2	0.9	62	0.8	328	1.1
<b>DEGREE OF HEARING LOSS</b>						
	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	23	9.3	1202	13.0	5364	14.3
Total known information	225	100.0	8070	100.0	32136	100.0
Normal (< 27 dB, ANSI)	17	7.6	1817	22.5	5493	17.1
Mild (27-40 dB, ANSI)	29	12.9	1262	15.6	3975	12.4
Moderate (41-55 dB, ANSI)	27	12.0	1196	14.8	4318	13.4
Mod-severe (56-70 dB, ANSI)	25	11.1	928	11.5	3908	12.2
Severe (71-90 dB, ANSI)	44	19.6	1056	13.1	4835	15.0
Profound (91 dB and above, ANSI)	83	36.9	1811	22.4	9607	29.9
<b>COCHLEAR IMPLANT</b>						
	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	3	1.2	303	3.3	1428	3.8
Total known information	245	100.0	8969	100.0	36072	100.0
Have not had a cochlear implant	217	88.6	7945	88.6	32021	88.8
Have had a cochlear implant	28	11.4	1024	11.4	4051	11.2
Implant Use						
Total students	28	100.0	1024	100.0	4051	100.0
Information NOT reported	1	3.6	46	4.5	191	4.7
Total known information	27	100.0	978	100.0	3860	100.0
Implant still used	25	92.6	888	90.8	3544	91.8
Implant no longer used	2	7.4	90	9.2	316	8.2

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COCHLEAR IMPLANT USE IN CLASSROOM	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	28	100.0	1024	100.0	4051	100.0
Information NOT reported	7	25.0	148	14.5	725	17.9
Total known information	21	100.0	876	100.0	3326	100.0
Implant used in classroom	21	100.0	791	90.3	3001	90.2
Implant not used in classroom	0	0.0	85	9.7	325	9.8
<b>FUNCTIONAL HEARING ABILITY</b>						
	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	5	2.0	416	4.5	1651	4.4
Total known information	243	100.0	8856	100.0	35849	100.0
Functions normally	19	7.8	1243	14.0	4102	11.4
Mildly limited	81	33.3	3695	41.7	13068	36.5
Moderately limited	10	4.1	1039	11.7	3794	10.6
Severely limited	116	47.7	1976	22.3	10456	29.2
No functional hearing	17	7.0	903	10.2	4429	12.4
<b>HEARING AID USE FOR INSTRUCTION</b>						
	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	3	1.2	170	1.8	1007	2.7
Total known information	245	100.0	9102	100.0	36493	100.0
Hearing aid used for instruction	142	58.0	5230	57.5	21604	59.2
Hearing aid not used for instruction	103	42.0	3872	42.5	14889	40.8
<b>GROUP ASSISTIVE LISTENING DEVICE(ALD)USE</b>						
	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	2	0.8	386	4.2	1849	4.9
Total known information	246	100.0	8886	100.0	35651	100.0
Group ALD used for instruction	79	32.1	4046	45.5	14701	41.2
Group ALD not used for instruction	167	67.9	4840	54.5	20950	58.8

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SPOKEN/WRITTEN LANGUAGES IN THE HOME	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	20	8.1	241	2.6	1115	3.0
Total known information	228	100.0	9031	100.0	36385	100.0
English	207	90.8	7714	85.4	27476	75.5
Spanish	8	3.5	454	5.0	4438	12.2
Other	3	1.3	290	3.2	914	2.5
Multiple languages	10	4.4	573	6.3	3557	9.8
<b>SIGN USE IN THE HOME</b>						
	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	4	1.6	323	3.5	1540	4.1
Total known information	244	100.0	8949	100.0	35960	100.0
Family members regularly sign	89	36.5	2189	24.5	9626	26.8
Family members do not regularly sign	145	59.4	6548	73.2	24906	69.3
Data not available	10	4.1	212	2.4	1428	4.0
<b>COMMUNICATION MODE PRIMARILY USED IN TEACHING</b>						
	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	1	0.4	68	0.7	421	1.1
Total known information	247	100.0	9204	100.0	37079	100.0
Speech only	84	34.0	5119	55.6	17738	47.8
Sign and speech	69	27.9	3348	36.4	14639	39.5
Sign only	92	37.2	638	6.9	4149	11.2
Cued Speech	0	0.0	37	0.4	122	0.3
Other	2	0.8	62	0.7	431	1.2

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INSTRUCTIONAL SETTINGS **	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	1	0.4	112	1.2	556	1.5
Total known information	247	100.0	9160	100.0	36944	100.0
Special school or center	100	40.5	1702	18.6	10364	28.1
Self-contained clrm in req. ed. setting	50	20.2	3000	32.8	11041	29.9
Resource room	36	14.6	1486	16.2	5199	14.1
Regular education setting	108	43.7	4739	51.7	17346	47.0
Home	0	0.0	189	2.1	948	2.6
Other	10	4.0	303	3.3	2434	6.6
<b>HRS/WK INTEGRATED W/HEARING STUDENTS</b>						
	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	1	0.4	272	2.9	1071	2.9
Total known information	247	100.0	9000	100.0	36429	100.0
None	124	50.2	2821	31.3	13262	36.4
1 to 5 hours/week	9	3.6	937	10.4	3720	10.2
6 to 15 hours/week	29	11.7	1070	11.9	4199	11.5
16 to 25 hours/week	25	10.1	1092	12.1	3768	10.3
26 or more hours/week	60	24.3	3080	34.2	11480	31.5
<b>+ABR Results</b>						
	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	245	98.8	8958	96.6	31062	82.8
Total known information	3	100.0	314	100.0	6438	100.0
ABR results are not available/reliable	2	66.7	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	0	0.0	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	0	0.0	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	33.3	17	5.4	492	7.6

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SUPPORT SERVICES RECEIVED **	Kansas		Midwest		Nation	
	N	%	N	%	N	%
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	5	2.0	185	2.0	723	1.9
Total known information	243	100.0	9087	100.0	36777	100.0
No support services	16	6.6	544	6.0	2465	6.7
Sign interpreting	45	18.5	2257	24.8	9200	25.0
Oral interpreting	4	1.6	119	1.3	455	1.2
Cued speech transliteration	0	0.0	40	0.4	135	0.4
Itinerant teacher services	68	28.0	3884	42.7	13302	36.2
Tutoring	16	6.6	698	7.7	3301	9.0
Classroom inst. ass't/aide services	38	15.6	1314	14.5	6893	18.7
+Adaptive PE	9	3.7	305	3.4	1151	3.1
Speech training/therapy	144	59.3	5340	58.8	22172	60.3
Auditory training	31	12.8	1729	19.0	9892	26.9
Counseling	32	13.2	1103	12.1	4234	11.5
Occupational/Physical Therapy (OT/PT)	38	15.6	937	10.3	3397	9.2
Notetaking	15	6.2	400	4.4	1748	4.8
Real-time captioning	1	0.4	101	1.1	610	1.7
Other	29	11.9	1005	11.1	4589	12.5
<b>ADDIT. CONDITIONS OTHER THAN DEAFNESS**</b>						
Total students	248	100.0	9272	100.0	37500	100.0
Information NOT reported	11	4.4	527	5.7	2093	5.6
Total known information	237	100.0	8745	100.0	35407	100.0
No condition in addition to deafness	149	62.9	4882	55.8	20390	57.6
Low vision	7	3.0	255	2.9	1173	3.3
Legal blindness	6	2.5	106	1.2	470	1.3
+Developmental delay	9	3.8	177	2.0	624	1.8
+Autism	2	0.8	100	1.1	341	1.0
+Orthopedic impairment(includes CP)	10	4.2	283	3.2	1295	3.7
Learning disability (LD)	5	2.1	915	10.5	3265	9.2
Attention Deficit Disorder (ADD/ADHD)	12	5.1	694	7.9	2235	6.3
+Speech or language impairment	26	11.0	790	9.0	3362	9.5
+Traumatic brain injury	0	0.0	15	0.2	52	0.1
Mental retardation	21	8.9	805	9.2	2902	8.2
Emotional disturbance	1	0.4	195	2.2	675	1.9
+Other health impairment	8	3.4	211	2.4	703	2.0
Other conditions	15	6.3	593	6.8	2446	6.9

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