

## 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	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	25	2.3	176	1.8	748	1.9
Total known information	1078	100.0	9456	100.0	37996	100.0
Under 3 years	1	0.1	161	1.7	566	1.5
From 3 to 5 years	48	4.5	546	5.8	2490	6.6
From 6 to 9 years	179	16.6	1679	17.8	7283	19.2
From 10 to 13 years	364	33.8	2753	29.1	10634	28.0
From 14 to 17 years	349	32.4	2837	30.0	11036	29.0
18 years and older	137	12.7	1480	15.7	5987	15.8
<b>SEX</b>	<b>Arizona</b>	<b>West</b>	<b>Nation</b>			
	N %	N %	N %			
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	25	2.3	62	0.6	239	0.6
Total known information	1078	100.0	9570	100.0	38505	100.0
Male	595	55.2	5194	54.3	20935	54.4
Female	483	44.8	4376	45.7	17570	45.6
<b>RACE/ETHNIC BACKGROUND</b>	<b>Arizona</b>	<b>West</b>	<b>Nation</b>			
	N %	N %	N %			
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	11	1.0	157	1.6	595	1.5
Total known information	1092	100.0	9475	100.0	38149	100.0
White	443	40.6	3719	39.3	19640	51.5
Black/African-American	43	3.9	587	6.2	5880	15.4
Hispanic/Latino	427	39.1	3816	40.3	9226	24.2
American Indian/Alaska Native	97	8.9	235	2.5	329	0.9
Asian/Pacific Islander	19	1.7	686	7.2	1567	4.1
Other	5	0.5	155	1.6	688	1.8
Multi-ethnic background indicated	58	5.3	277	2.9	819	2.1

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AGE AT ONSET OF HEARING LOSS	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	44	4.0	467	4.8	1412	3.6
Total known information	1059	100.0	9165	100.0	37332	100.0
At birth	372	35.1	3833	41.8	15644	41.9
Under 3 years	201	19.0	1500	16.4	7158	19.2
3 years or older	78	7.4	457	5.0	2120	5.7
Unknown	408	38.5	3375	36.8	12410	33.2
<b>ETIOLOGY **</b>						
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	33	3.0	549	5.7	1618	4.2
Total Known Information	1070	100.0	9083	100.0	37126	100.0
Genetic/Hereditary/Familial	231	21.6	1986	21.9	8087	21.8
Pregnancy Related						
Maternal rubella	6	0.6	62	0.7	246	0.7
Cytomegalovirus (CMV)	20	1.9	121	1.3	629	1.7
Maternal drug/alcohol abuse	9	0.8	71	0.8	260	0.7
Medications taken by mother	3	0.3	25	0.3	109	0.3
Rh incompatibility	4	0.4	24	0.3	97	0.3
Consequence of prematurity	41	3.8	259	2.9	1523	4.1
Trauma at birth	7	0.7	63	0.7	296	0.8
Other complications of pregnancy	47	4.4	348	3.8	1418	3.8
Post-Birth Disease/Injury						
Otitis media	73	6.8	393	4.3	1851	5.0
Meningitis	43	4.0	348	3.8	1483	4.0
Other infections	13	1.2	132	1.5	478	1.3
Medications taken by child	10	0.9	137	1.5	577	1.6
Trauma after birth	15	1.4	77	0.8	276	0.7
Other post-birth cause	41	3.8	295	3.2	1265	3.4
Cause cannot be determined/DNA	561	52.4	5067	55.8	19945	53.7

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PARENTAL HEARING STATUS	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	71	6.4	938	9.7	3033	7.8
Total known info., Either Parent	1032	100.0	8694	100.0	35711	100.0
Mother's status: Hearing	991	96.0	8049	92.6	32944	92.3
Hard of hearing	20	1.9	205	2.4	1015	2.8
Deaf	16	1.6	400	4.6	1614	4.5
Unknown	5	0.5	40	0.5	138	0.4
Father's status: Hearing	909	88.1	7592	87.3	30811	86.3
Hard of hearing	12	1.2	141	1.6	727	2.0
Deaf	18	1.7	369	4.2	1413	4.0
Unknown	93	9.0	592	6.8	2760	7.7
Both parents hearing	890	86.2	7367	84.7	29811	83.5
Both parents deaf or hard of hearing	15	1.5	371	4.3	1447	4.1
One parent deaf/hh; other hearing	29	2.8	324	3.7	1555	4.4
One parent deaf/hh; other unknown	7	0.7	49	0.6	320	0.9
One parent hearing; other unknown	91	8.8	583	6.7	2578	7.2
<b>HAS DEAF OR HARD OF HEARING SIBLINGS</b>						
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	37	3.4	657	6.8	2217	5.7
Total known information	1066	100.0	8975	100.0	36527	100.0
Has deaf or hard of hearing siblings	146	13.7	1229	13.7	4859	13.3
Has no deaf or hard of hearing siblings	860	80.7	6936	77.3	28662	78.5
Data Not Available	60	5.6	810	9.0	3006	8.2

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UNAIDED AUDIOMETRIC THRESHOLDS MEASUREMENT	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	269	24.4	2108	21.9	7982	20.6
Total known information	834	100.0	7524	100.0	30762	100.0
Earphone (preferred measurement)	755	90.5	6730	89.4	27211	88.5
Sound field	79	9.5	794	10.6	3551	11.5
<b>DEGREE OF HEARING LOSS</b>						
	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	119	10.8	1213	12.6	5146	13.3
Total known information	984	100.0	8419	100.0	33598	100.0
Normal (< 27 dB, ANSI)	206	20.9	1567	18.6	5630	16.8
Mild (27-40 dB, ANSI)	143	14.5	1091	13.0	4134	12.3
Moderate (41-55 dB, ANSI)	129	13.1	1156	13.7	4439	13.2
Mod-severe (56-70 dB, ANSI)	137	13.9	974	11.6	4150	12.4
Severe (71-90 dB, ANSI)	110	11.2	1201	14.3	5109	15.2
Profound (91 dB and above, ANSI)	259	26.3	2430	28.9	10136	30.2
<b>COCHLEAR IMPLANT</b>						
	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	48	4.4	558	5.8	1591	4.1
Total known information	1055	100.0	9074	100.0	37153	100.0
Have not had a cochlear implant	998	94.6	8502	93.7	33578	90.4
Have had a cochlear implant	57	5.4	572	6.3	3575	9.6
<b>Implant Use</b>						
Total students	57	100.0	572	100.0	3575	100.0
Information NOT reported	1	1.8	33	5.8	160	4.5
Total known information	56	100.0	539	100.0	3415	100.0
Implant still used	53	94.6	503	93.3	3118	91.3
Implant no longer used	3	5.4	36	6.7	297	8.7

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COCHLEAR IMPLANT USE IN CLASSROOM	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	57	100.0	572	100.0	3575	100.0
Information NOT reported	39	68.4	227	39.7	1130	31.6
Total known information	18	100.0	345	100.0	2445	100.0
Implant used in classroom	18	100.0	319	92.5	2194	89.7
Implant not used in classroom	0	0.0	26	7.5	251	10.3
<b>FUNCTIONAL HEARING ABILITY</b>						
	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	33	3.0	436	4.5	1488	3.8
Total known information	1070	100.0	9196	100.0	37256	100.0
Functions normally	117	10.9	1135	12.3	4808	12.9
Mildly limited	410	38.3	3601	39.2	14113	37.9
+ Moderately limited	64	6.0	465	5.1	1995	5.4
Severely limited	331	30.9	2484	27.0	11523	30.9
No functional hearing	148	13.8	1511	16.4	4817	12.9
<b>HEARING AID USE FOR INSTRUCTION</b>						
	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	24	2.2	327	3.4	1128	2.9
Total known information	1079	100.0	9305	100.0	37616	100.0
Hearing aid used for instruction	607	56.3	5486	59.0	22568	60.0
Hearing aid not used for instruction	472	43.7	3819	41.0	15048	40.0
<b>GROUP ASSISTIVE LISTENING DEVICE(ALD)USE</b>						
	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	63	5.7	679	7.0	2758	7.1
Total known information	1040	100.0	8953	100.0	35986	100.0
Group ALD used for instruction	440	42.3	2739	30.6	14441	40.1
Group ALD not used for instruction	600	57.7	6214	69.4	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	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	28	2.5	315	3.3	1098	2.8
Total known information	1075	100.0	9317	100.0	37646	100.0
English	733	68.2	5759	61.8	28724	76.3
Spanish	174	16.2	1942	20.8	4409	11.7
Other	12	1.1	325	3.5	980	2.6
Multiple languages	156	14.5	1291	13.9	3533	9.4
<b>SIGN USE IN THE HOME</b>						
	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	24	2.2	569	5.9	1902	4.9
Total known information	1079	100.0	9063	100.0	36842	100.0
Family members regularly sign	270	25.0	2415	26.6	9921	26.9
Family members do not regularly sign	800	74.1	6273	69.2	25415	69.0
Data not available	9	0.8	375	4.1	1506	4.1
<b>COMMUNICATION MODE PRIMARILY USED IN TEACHING</b>						
	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	8	0.7	118	1.2	394	1.0
Total known information	1095	100.0	9514	100.0	38350	100.0
Speech only	544	49.7	4659	49.0	18120	47.2
Sign and speech	369	33.7	2919	30.7	15460	40.3
Sign only	156	14.2	1743	18.3	4175	10.9
Cued Speech	0	0.0	5	0.1	117	0.3
Other	26	2.4	188	2.0	478	1.2

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INSTRUCTIONAL SETTINGS **	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	9	0.8	132	1.4	567	1.5
Total known information	1094	100.0	9500	100.0	38177	100.0
Special school or center	358	32.7	2494	26.3	10354	27.1
Self-contained clrm in req. ed. setting	171	15.6	2879	30.3	11854	31.1
Resource room	264	24.1	1271	13.4	5290	13.9
Regular education setting	503	46.0	4265	44.9	17573	46.0
Home	5	0.5	245	2.6	1156	3.0
Other	66	6.0	388	4.1	1729	4.5
<b>HRS/WK INTEGRATED W/HEARING STUDENTS</b>						
	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	17	1.5	237	2.5	903	2.3
Total known information	1086	100.0	9395	100.0	37841	100.0
None	416	38.3	3479	37.0	13994	37.0
1 to 5 hours/week	84	7.7	1115	11.9	4000	10.6
6 to 15 hours/week	129	11.9	986	10.5	4226	11.2
16 to 25 hours/week	136	12.5	925	9.8	3847	10.2
26 or more hours/week	321	29.6	2890	30.8	11774	31.1

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SUPPORT SERVICES RECEIVED **	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	20	1.8	262	2.7	817	2.1
Total known information	1083	100.0	9370	100.0	37927	100.0
No support services	35	3.2	688	7.3	2179	5.7
Oral interpreting	9	0.8	80	0.9	381	1.0
Sign interpreting	158	14.6	1941	20.7	8749	23.1
Cued speech transliteration	0	0.0	9	0.1	126	0.3
Tutoring	69	6.4	700	7.5	2667	7.0
Speech training/therapy	566	52.3	4742	50.6	22973	60.6
Notetaking	38	3.5	363	3.9	1636	4.3
Real-time captioning	11	1.0	111	1.2	411	1.1
Counseling	112	10.3	845	9.0	4229	11.2
Itinerant teacher services	540	49.9	3791	40.5	13691	36.1
Classroom inst. ass't/aide services	208	19.2	2005	21.4	6755	17.8
Auditory training	260	24.0	2335	24.9	9991	26.3
Occupational/Physical Therapy (OT/PT)	165	15.2	710	7.6	3350	8.8
Other	194	17.9	1307	13.9	5129	13.5
<b>ADDIT. CONDITIONS OTHER THAN DEAFNESS**</b>						
Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	81	7.3	965	10.0	2585	6.7
Total known information	1022	100.0	8667	100.0	36159	100.0
No condition in addition to deafness	545	53.3	5392	62.2	21860	60.5
Low vision	34	3.3	317	3.7	1134	3.1
Legal blindness	10	1.0	112	1.3	517	1.4
Learning disability	159	15.6	980	11.3	3621	10.0
Mental retardation	145	14.2	817	9.4	3288	9.1
Attention Deficit Disorder	76	7.4	424	4.9	2388	6.6
Emotional disturbance	24	2.3	130	1.5	714	2.0
Cerebral palsy	40	3.9	313	3.6	1153	3.2
Other conditions	108	10.6	933	10.8	4818	13.3

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FUNCTIONAL ASSESSMENT **	Arizona		West		Nation	
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Total students	1103	100.0	9632	100.0	38744	100.0
Information NOT reported	12	1.1	532	5.5	1791	4.6
Total known information	1091	100.0	9100	100.0	36953	100.0
No functional limitations	255	23.4	3116	34.2	11268	30.5
1 or more functional limitation	836	76.6	5984	65.8	25685	69.5
*Vision	173	15.9	1178	12.9	4623	12.5
*Thinking/reasoning	442	40.5	3008	33.1	12788	34.6
*Maintaining attention to classroom tasks	510	46.7	3360	36.9	14372	38.9
*Expressive communication	648	59.4	4461	49.0	19456	52.7
*Receptive communication	652	59.8	4471	49.1	19674	53.2
*Social interaction/classroom behavior	386	35.4	2689	29.5	11385	30.8
*Use of hands, arms, and legs	158	14.5	1116	12.3	4587	12.4
*Balance	144	13.2	980	10.8	3836	10.4
*Overall physical health	151	13.8	1044	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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