

## 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	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	31	2.4	233	2.5	841	2.2
Total known information	1251	100.0	9075	100.0	36659	100.0
Under 3 years	3	0.2	288	3.2	1244	3.4
From 3 to 5 years	96	7.7	789	8.7	3419	9.3
From 6 to 9 years	299	23.9	1907	21.0	7898	21.5
From 10 to 13 years	419	33.5	2716	29.9	10348	28.2
From 14 to 17 years	350	28.0	2587	28.5	10230	27.9
18 years and older	84	6.7	788	8.7	3520	9.6
SEX	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	19	1.5	38	0.4	148	0.4
Total known information	1263	100.0	9270	100.0	37352	100.0
Male	681	53.9	4966	53.6	20253	54.2
Female	582	46.1	4304	46.4	17099	45.8
RACE/ETHNIC BACKGROUND	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	11	0.9	131	1.4	583	1.6
Total known information	1271	100.0	9177	100.0	36917	100.0
White	484	38.1	3523	38.4	18712	50.7
Black/African-American	46	3.6	529	5.8	5647	15.3
Hispanic/Latino	511	40.2	3805	41.5	9226	25.0
American Indian/Alaska Native	133	10.5	211	2.3	307	0.8
Asian/Pacific Islander	21	1.7	652	7.1	1512	4.1
Other	8	0.6	167	1.8	708	1.9
Multi-ethnic background indicated	68	5.4	290	3.2	805	2.2

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AGE AT ONSET OF HEARING LOSS	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	41	3.2	439	4.7	1551	4.1
Total known information	1241	100.0	8869	100.0	35949	100.0
At Birth	452	36.4	3767	42.5	15212	42.3
Under 3 years	206	16.6	1396	15.7	6930	19.3
3 years or older	77	6.2	437	4.9	1985	5.5
Unknown	506	40.8	3269	36.9	11822	32.9
AGE AT ONSET OF HEARING LOSS	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	41	3.2	439	4.7	1551	4.1
Total known information	1241	100.0	8869	100.0	35949	100.0
At Birth	452	36.4	3767	42.5	15212	42.3
Under One Year	51	4.1	482	5.4	2631	7.3
Unknown, but before age 2	124	10.0	656	7.4	2953	8.2
Unknown	506	40.8	3269	36.9	11822	32.9
1 year of age	15	1.2	119	1.3	587	1.6
2 years of age	16	1.3	139	1.6	759	2.1
3 years of age	15	1.2	97	1.1	554	1.5
4 years of age	12	1.0	76	0.9	361	1.0
5 years of age	15	1.2	66	0.7	336	0.9
6 years of age	8	0.6	46	0.5	205	0.6
7 years of age	4	0.3	40	0.5	137	0.4
8+ years of age	23	1.9	112	1.3	392	1.1

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ETIOLOGY **	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	58	4.5	562	6.0	1778	4.7
Total Known Information	1224	100.0	8746	100.0	35722	100.0
Genetic/Hereditary/Familial	283	23.1	2036	23.3	8107	22.7
Pregnancy Related						
Maternal rubella	10	0.8	59	0.7	232	0.6
Cytomegalovirus (CMV)	27	2.2	119	1.4	629	1.8
Maternal drug/alcohol abuse	10	0.8	66	0.8	256	0.7
Medications taken by mother	4	0.3	23	0.3	101	0.3
Rh incompatibility	4	0.3	16	0.2	78	0.2
Consequence of prematurity	43	3.5	259	3.0	1428	4.0
Trauma at birth	6	0.5	48	0.5	231	0.6
Other complications of pregnancy	51	4.2	337	3.9	1346	3.8
Post-Birth Disease/Injury						
Otitis media	90	7.4	357	4.1	1718	4.8
Meningitis	41	3.3	289	3.3	1291	3.6
Other infections	13	1.1	108	1.2	408	1.1
Medications taken by child	12	1.0	132	1.5	554	1.6
Trauma after birth	10	0.8	72	0.8	252	0.7
Other post-birth cause	46	3.8	300	3.4	1207	3.4
Cause cannot be determined/DNA	621	50.7	4834	55.3	19193	53.7
<b>+SPECIFIC GENETIC CAUSE OR SYNDROME</b>						
Total students	283	100.0	2036	100.0	8107	100.0
Information NOT reported	164	58.0	1412	69.4	4964	61.2
Total known information	119	100.0	624	100.0	3143	100.0
Waardenburg syndrome	5	4.2	45	7.2	152	4.8
Usher syndrome	4	3.4	19	3.0	91	2.9
Treacher syndrome	2	1.7	21	3.4	104	3.3
Down syndrome	15	12.6	78	12.5	275	8.7
CHARGE syndrome	5	4.2	38	6.1	176	5.6
Chromosome abnormality	3	2.5	18	2.9	69	2.2
Connexin-26 (GJB2)	3	2.5	13	2.1	57	1.8
Other	83	69.7	400	64.1	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	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	92	7.2	874	9.4	2887	7.7
Total known info., Either Parent	1190	100.0	8434	100.0	34613	100.0
Mother's status: Hearing	1124	94.5	7777	92.2	31860	92.0
Hard of hearing	33	2.8	222	2.6	1027	3.0
Deaf	28	2.4	402	4.8	1601	4.6
Unknown	5	0.4	33	0.4	125	0.4
Father's status: Hearing	1047	88.0	7350	87.1	29851	86.2
Hard of hearing	12	1.0	137	1.6	706	2.0
Deaf	27	2.3	377	4.5	1410	4.1
Unknown	104	8.7	570	6.8	2646	7.6
Both parents hearing	1016	85.4	7127	84.5	28866	83.4
Both parents deaf or hard of hearing	27	2.3	377	4.5	1445	4.2
One parent deaf/hh; other hearing	38	3.2	327	3.9	1531	4.4
One parent deaf/hh; other unknown	8	0.7	57	0.7	323	0.9
One parent hearing; other unknown	101	8.5	546	6.5	2448	7.1
<b>HAS DEAF OR HARD OF HEARING SIBLINGS</b>						
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	37	2.9	421	4.5	1617	4.3
Total known information	1245	100.0	8887	100.0	35883	100.0
Has deaf or hard of hearing siblings	179	14.4	1283	14.4	4923	13.7
Has no deaf or hard of hearing siblings	1000	80.3	6846	77.0	28059	78.2
Data Not Available	66	5.3	758	8.5	2901	8.1

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UNAIDED AUDIOMETRIC THRESHOLDS MEASUREMENT	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	262	20.4	1903	20.4	7708	20.6
Total known information	1020	100.0	7405	100.0	29792	100.0
Earphone (preferred measurement)	924	90.6	6381	86.2	25499	85.6
Sound field	92	9.0	904	12.2	3965	13.3
+ABR	4	0.4	120	1.6	328	1.1
<b>DEGREE OF HEARING LOSS</b>						
	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	121	9.4	1245	13.4	5364	14.3
Total known information	1161	100.0	8063	100.0	32136	100.0
Normal (< 27 dB, ANSI)	261	22.5	1606	19.9	5493	17.1
Mild (27-40 dB, ANSI)	149	12.8	1083	13.4	3975	12.4
Moderate (41-55 dB, ANSI)	151	13.0	1118	13.9	4318	13.4
Mod-severe (56-70 dB, ANSI)	145	12.5	906	11.2	3908	12.2
Severe (71-90 dB, ANSI)	139	12.0	1108	13.7	4835	15.0
Profound (91 dB and above, ANSI)	316	27.2	2242	27.8	9607	29.9
<b>COCHLEAR IMPLANT</b>						
	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	30	2.3	456	4.9	1428	3.8
Total known information	1252	100.0	8852	100.0	36072	100.0
Have not had a cochlear implant	1163	92.9	8210	92.7	32021	88.8
Have had a cochlear implant	89	7.1	642	7.3	4051	11.2
<b>Implant Use</b>						
Total students	89	100.0	642	100.0	4051	100.0
Information NOT reported	3	3.4	30	4.7	191	4.7
Total known information	86	100.0	612	100.0	3860	100.0
Implant still used	79	91.9	572	93.5	3544	91.8
Implant no longer used	7	8.1	40	6.5	316	8.2

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COCHLEAR IMPLANT USE IN CLASSROOM	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	89	100.0	642	100.0	4051	100.0
Information NOT reported	14	15.7	85	13.2	725	17.9
Total known information	75	100.0	557	100.0	3326	100.0
Implant used in classroom	65	86.7	511	91.7	3001	90.2
Implant not used in classroom	10	13.3	46	8.3	325	9.8
FUNCTIONAL HEARING ABILITY	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	38	3.0	476	5.1	1651	4.4
Total known information	1244	100.0	8832	100.0	35849	100.0
Functions normally	107	8.6	938	10.6	4102	11.4
Mildly limited	425	34.2	3342	37.8	13068	36.5
Moderately limited	154	12.4	917	10.4	3794	10.6
Severely limited	388	31.2	2267	25.7	10456	29.2
No functional hearing	170	13.7	1368	15.5	4429	12.4
HEARING AID USE FOR INSTRUCTION	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	21	1.6	271	2.9	1007	2.7
Total known information	1261	100.0	9037	100.0	36493	100.0
Hearing aid used for instruction	691	54.8	5255	58.1	21604	59.2
Hearing aid not used for instruction	570	45.2	3782	41.9	14889	40.8
GROUP ASSISTIVE LISTENING DEVICE(ALD)USE	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	46	3.6	406	4.4	1849	4.9
Total known information	1236	100.0	8902	100.0	35651	100.0
Group ALD used for instruction	504	40.8	2835	31.8	14701	41.2
Group ALD not used for instruction	732	59.2	6067	68.2	20950	58.8

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SPOKEN/WRITTEN LANGUAGES IN THE HOME	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	31	2.4	330	3.5	1115	3.0
Total known information	1251	100.0	8978	100.0	36385	100.0
English	813	65.0	5391	60.0	27476	75.5
Spanish	230	18.4	1932	21.5	4438	12.2
Other	10	0.8	293	3.3	914	2.5
Multiple languages	198	15.8	1362	15.2	3557	9.8
<b>SIGN USE IN THE HOME</b>						
	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	33	2.6	453	4.9	1540	4.1
Total known information	1249	100.0	8855	100.0	35960	100.0
Family members regularly sign	320	25.6	2284	25.8	9626	26.8
Family members do not regularly sign	910	72.9	6229	70.3	24906	69.3
Data not available	19	1.5	342	3.9	1428	4.0
<b>COMMUNICATION MODE PRIMARILY USED IN TEACHING</b>						
	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	12	0.9	141	1.5	421	1.1
Total known information	1270	100.0	9167	100.0	37079	100.0
Speech only	592	46.6	4637	50.6	17738	47.8
Sign and speech	439	34.6	2702	29.5	14639	39.5
Sign only	217	17.1	1687	18.4	4149	11.2
Cued Speech	0	0.0	4	0.0	122	0.3
Other	22	1.7	137	1.5	431	1.2

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INSTRUCTIONAL SETTINGS **	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	17	1.3	94	1.0	556	1.5
Total known information	1265	100.0	9214	100.0	36944	100.0
Special school or center	469	37.1	2495	27.1	10364	28.1
Self-contained clrm in req. ed. setting	163	12.9	2761	30.0	11041	29.9
Resource room	327	25.8	1300	14.1	5199	14.1
Regular education setting	586	46.3	4188	45.5	17346	47.0
Home	3	0.2	268	2.9	948	2.6
Other	62	4.9	410	4.4	2434	6.6
<b>HRS/WK INTEGRATED W/HEARING STUDENTS</b>						
	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	38	3.0	300	3.2	1071	2.9
Total known information	1244	100.0	9008	100.0	36429	100.0
None	499	40.1	3289	36.5	13262	36.4
1 to 5 hours/week	94	7.6	988	11.0	3720	10.2
6 to 15 hours/week	167	13.4	1045	11.6	4199	11.5
16 to 25 hours/week	156	12.5	917	10.2	3768	10.3
26 or more hours/week	328	26.4	2769	30.7	11480	31.5
<b>+ABR Results</b>						
	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	1172	91.4	8791	94.4	31062	82.8
Total known information	110	100.0	517	100.0	6438	100.0
ABR results are not available/reliable	105	95.5	398	77.0	4370	67.9
Response absent at 30 dB nHL	0	0.0	4	0.8	97	1.5
Response absent at 40 dB nHL	3	2.7	18	3.5	164	2.5
Response absent at 50 dB nHL	1	0.9	15	2.9	191	3.0
Response absent at 60 dB nHL	1	0.9	16	3.1	250	3.9
Response absent at 70-90 dB nHL	0	0.0	53	10.3	874	13.6
Response absent at 100+ dB nHL	0	0.0	13	2.5	492	7.6

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SUPPORT SERVICES RECEIVED **	Arizona		West		Nation	
	N	%	N	%	N	%
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	22	1.7	206	2.2	723	1.9
Total known information	1260	100.0	9102	100.0	36777	100.0
No support services	73	5.8	794	8.7	2465	6.7
Sign interpreting	218	17.3	1988	21.8	9200	25.0
Oral interpreting	9	0.7	98	1.1	455	1.2
Cued speech transliteration	0	0.0	3	0.0	135	0.4
Itinerant teacher services	595	47.2	3731	41.0	13302	36.2
Tutoring	99	7.9	809	8.9	3301	9.0
Classroom inst. ass't/aide services	347	27.5	2100	23.1	6893	18.7
+Adaptive PE	72	5.7	445	4.9	1151	3.1
Speech training/therapy	601	47.7	4488	49.3	22172	60.3
Auditory training	272	21.6	2207	24.2	9892	26.9
Counseling	115	9.1	860	9.4	4234	11.5
Occupational/Physical Therapy (OT/PT)	140	11.1	645	7.1	3397	9.2
Notetaking	32	2.5	322	3.5	1748	4.8
Real-time captioning	19	1.5	104	1.1	610	1.7
Other	127	10.1	1086	11.9	4589	12.5
<b>ADDIT. CONDITIONS OTHER THAN DEAFNESS**</b>						
Total students	1282	100.0	9308	100.0	37500	100.0
Information NOT reported	72	5.6	751	8.1	2093	5.6
Total known information	1210	100.0	8557	100.0	35407	100.0
No condition in addition to deafness	580	47.9	5020	58.7	20390	57.6
Low vision	45	3.7	346	4.0	1173	3.3
Legal blindness	6	0.5	98	1.1	470	1.3
+Developmental delay	14	1.2	170	2.0	624	1.8
+Autism	10	0.8	93	1.1	341	1.0
+Orthopedic impairment(includes CP)	62	5.1	364	4.3	1295	3.7
Learning disability (LD)	191	15.8	899	10.5	3265	9.2
Attention Deficit Disorder (ADD/ADHD)	59	4.9	392	4.6	2235	6.3
+Speech or language impairment	149	12.3	637	7.4	3362	9.5
+Traumatic brain injury	3	0.2	12	0.1	52	0.1
Mental retardation	151	12.5	726	8.5	2902	8.2
Emotional disturbance	22	1.8	126	1.5	675	1.9
+Other health impairment	20	1.7	181	2.1	703	2.0
Other conditions	78	6.4	618	7.2	2446	6.9

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