

## 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	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	1	1.2	233	2.5	841	2.2
Total known information	81	100.0	9075	100.0	36659	100.0
Under 3 years	0	0.0	288	3.2	1244	3.4
From 3 to 5 years	6	7.4	789	8.7	3419	9.3
From 6 to 9 years	13	16.0	1907	21.0	7898	21.5
From 10 to 13 years	25	30.9	2716	29.9	10348	28.2
From 14 to 17 years	26	32.1	2587	28.5	10230	27.9
18 years and older	11	13.6	788	8.7	3520	9.6
SEX	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	0	0.0	38	0.4	148	0.4
Total known information	82	100.0	9270	100.0	37352	100.0
Male	46	56.1	4966	53.6	20253	54.2
Female	36	43.9	4304	46.4	17099	45.8
RACE/ETHNIC BACKGROUND	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	16	19.5	131	1.4	583	1.6
Total known information	66	100.0	9177	100.0	36917	100.0
White	8	12.1	3523	38.4	18712	50.7
Black/African-American	1	1.5	529	5.8	5647	15.3
Hispanic/Latino	4	6.1	3805	41.5	9226	25.0
American Indian/Alaska Native	1	1.5	211	2.3	307	0.8
Asian/Pacific Islander	49	74.2	652	7.1	1512	4.1
Other	3	4.5	167	1.8	708	1.9
Multi-ethnic background indicated	0	0.0	290	3.2	805	2.2

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AGE AT ONSET OF HEARING LOSS	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	25	30.5	439	4.7	1551	4.1
Total known information	57	100.0	8869	100.0	35949	100.0
At birth	43	75.4	3767	42.5	15212	42.3
Under 3 years	8	14.0	1396	15.7	6930	19.3
3 years or older	0	0.0	437	4.9	1985	5.5
Unknown	6	10.5	3269	36.9	11822	32.9
AGE AT ONSET OF HEARING LOSS	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	25	30.5	439	4.7	1551	4.1
Total known information	57	100.0	8869	100.0	35949	100.0
At Birth	43	75.4	3767	42.5	15212	42.3
Under One Year	6	10.5	482	5.4	2631	7.3
Unknown, but before age 2	2	3.5	656	7.4	2953	8.2
Unknown	6	10.5	3269	36.9	11822	32.9
1 year of age	0	0.0	119	1.3	587	1.6
2 years of age	0	0.0	139	1.6	759	2.1
3 years of age	0	0.0	97	1.1	554	1.5
4 years of age	0	0.0	76	0.9	361	1.0
5 years of age	0	0.0	66	0.7	336	0.9
6 years of age	0	0.0	46	0.5	205	0.6
7 years of age	0	0.0	40	0.5	137	0.4
8+ years of age	0	0.0	112	1.3	392	1.1

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ETIOLOGY **	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	36	43.9	562	6.0	1778	4.7
Total Known Information	46	100.0	8746	100.0	35722	100.0
Genetic/Hereditary/Familial	3	6.5	2036	23.3	8107	22.7
Pregnancy Related						
Maternal rubella	1	2.2	59	0.7	232	0.6
Cytomegalovirus (CMV)	3	6.5	119	1.4	629	1.8
Maternal drug/alcohol abuse	0	0.0	66	0.8	256	0.7
Medications taken by mother	0	0.0	23	0.3	101	0.3
Rh incompatibility	0	0.0	16	0.2	78	0.2
Consequence of prematurity	3	6.5	259	3.0	1428	4.0
Trauma at birth	0	0.0	48	0.5	231	0.6
Other complications of pregnancy	0	0.0	337	3.9	1346	3.8
Post-Birth Disease/Injury						
Otitis media	0	0.0	357	4.1	1718	4.8
Meningitis	2	4.3	289	3.3	1291	3.6
Other infections	0	0.0	108	1.2	408	1.1
Medications taken by child	0	0.0	132	1.5	554	1.6
Trauma after birth	0	0.0	72	0.8	252	0.7
Other post-birth cause	3	6.5	300	3.4	1207	3.4
Cause cannot be determined/DNA	31	67.4	4834	55.3	19193	53.7
<b>+SPECIFIC GENETIC CAUSE OR SYNDROME</b>						
Total students	3	100.0	2036	100.0	8107	100.0
Information NOT reported	3	100.0	1412	69.4	4964	61.2
Total known information	0	0.0	624	100.0	3143	100.0
Waardenburg syndrome	0	0.0	45	7.2	152	4.8
Usher syndrome	0	0.0	19	3.0	91	2.9
Treacher syndrome	0	0.0	21	3.4	104	3.3
Down syndrome	0	0.0	78	12.5	275	8.7
CHARGE syndrome	0	0.0	38	6.1	176	5.6
Chromosome abnormality	0	0.0	18	2.9	69	2.2
Connexin-26 (GJB2)	0	0.0	13	2.1	57	1.8
Other	0	0.0	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	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	34	41.5	874	9.4	2887	7.7
Total known info., Either Parent	48	100.0	8434	100.0	34613	100.0
Mother's status: Hearing	48	100.0	7777	92.2	31860	92.0
Hard of hearing	0	0.0	222	2.6	1027	3.0
Deaf	0	0.0	402	4.8	1601	4.6
Unknown	0	0.0	33	0.4	125	0.4
Father's status: Hearing	46	95.8	7350	87.1	29851	86.2
Hard of hearing	0	0.0	137	1.6	706	2.0
Deaf	0	0.0	377	4.5	1410	4.1
Unknown	2	4.2	570	6.8	2646	7.6
Both parents hearing	46	95.8	7127	84.5	28866	83.4
Both parents deaf or hard of hearing	0	0.0	377	4.5	1445	4.2
One parent deaf/hh; other hearing	0	0.0	327	3.9	1531	4.4
One parent deaf/hh; other unknown	0	0.0	57	0.7	323	0.9
One parent hearing; other unknown	2	4.2	546	6.5	2448	7.1
<b>HAS DEAF OR HARD OF HEARING SIBLINGS</b>						
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	33	40.2	421	4.5	1617	4.3
Total known information	49	100.0	8887	100.0	35883	100.0
Has deaf or hard of hearing siblings	5	10.2	1283	14.4	4923	13.7
Has no deaf or hard of hearing siblings	44	89.8	6846	77.0	28059	78.2
Data Not Available	0	0.0	758	8.5	2901	8.1

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UNAIDED AUDIOMETRIC THRESHOLDS MEASUREMENT	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	36	43.9	1903	20.4	7708	20.6
Total known information	46	100.0	7405	100.0	29792	100.0
Earphone (preferred measurement)	41	89.1	6381	86.2	25499	85.6
Sound field	5	10.9	904	12.2	3965	13.3
+ABR	0	0.0	120	1.6	328	1.1
<b>DEGREE OF HEARING LOSS</b>						
	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	37	45.1	1245	13.4	5364	14.3
Total known information	45	100.0	8063	100.0	32136	100.0
Normal (< 27 dB, ANSI)	1	2.2	1606	19.9	5493	17.1
Mild (27-40 dB, ANSI)	3	6.7	1083	13.4	3975	12.4
Moderate (41-55 dB, ANSI)	0	0.0	1118	13.9	4318	13.4
Mod-severe (56-70 dB, ANSI)	2	4.4	906	11.2	3908	12.2
Severe (71-90 dB, ANSI)	7	15.6	1108	13.7	4835	15.0
Profound (91 dB and above, ANSI)	32	71.1	2242	27.8	9607	29.9
<b>COCHLEAR IMPLANT</b>						
	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	32	39.0	456	4.9	1428	3.8
Total known information	50	100.0	8852	100.0	36072	100.0
Have not had a cochlear implant	50	100.0	8210	92.7	32021	88.8
Have had a cochlear implant	0	0.0	642	7.3	4051	11.2
<b>Implant Use</b>						
Total students	0	0.0	642	100.0	4051	100.0
Information NOT reported	0	0.0	30	4.7	191	4.7
Total known information	0	0.0	612	100.0	3860	100.0
Implant still used	0	0.0	572	93.5	3544	91.8
Implant no longer used	0	0.0	40	6.5	316	8.2

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COCHLEAR IMPLANT USE IN CLASSROOM	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	0	0.0	642	100.0	4051	100.0
Information NOT reported	0	0.0	85	13.2	725	17.9
Total known information	0	0.0	557	100.0	3326	100.0
Implant used in classroom	0	0.0	511	91.7	3001	90.2
Implant not used in classroom	0	0.0	46	8.3	325	9.8
FUNCTIONAL HEARING ABILITY	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	33	40.2	476	5.1	1651	4.4
Total known information	49	100.0	8832	100.0	35849	100.0
Functions normally	0	0.0	938	10.6	4102	11.4
Mildly limited	1	2.0	3342	37.8	13068	36.5
Moderately limited	0	0.0	917	10.4	3794	10.6
Severely limited	20	40.8	2267	25.7	10456	29.2
No functional hearing	28	57.1	1368	15.5	4429	12.4
HEARING AID USE FOR INSTRUCTION	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	52	63.4	271	2.9	1007	2.7
Total known information	30	100.0	9037	100.0	36493	100.0
Hearing aid used for instruction	13	43.3	5255	58.1	21604	59.2
Hearing aid not used for instruction	17	56.7	3782	41.9	14889	40.8
GROUP ASSISTIVE LISTENING DEVICE(ALD)USE	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	16	19.5	406	4.4	1849	4.9
Total known information	66	100.0	8902	100.0	35651	100.0
Group ALD used for instruction	0	0.0	2835	31.8	14701	41.2
Group ALD not used for instruction	66	100.0	6067	68.2	20950	58.8

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SPOKEN/WRITTEN LANGUAGES IN THE HOME	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	33	40.2	330	3.5	1115	3.0
Total known information	49	100.0	8978	100.0	36385	100.0
English	34	69.4	5391	60.0	27476	75.5
Spanish	1	2.0	1932	21.5	4438	12.2
Other	13	26.5	293	3.3	914	2.5
Multiple languages	1	2.0	1362	15.2	3557	9.8
<b>SIGN USE IN THE HOME</b>						
	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	36	43.9	453	4.9	1540	4.1
Total known information	46	100.0	8855	100.0	35960	100.0
Family members regularly sign	31	67.4	2284	25.8	9626	26.8
Family members do not regularly sign	15	32.6	6229	70.3	24906	69.3
Data not available	0	0.0	342	3.9	1428	4.0
<b>COMMUNICATION MODE PRIMARILY USED IN TEACHING</b>						
	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	16	19.5	141	1.5	421	1.1
Total known information	66	100.0	9167	100.0	37079	100.0
Speech only	0	0.0	4637	50.6	17738	47.8
Sign and speech	0	0.0	2702	29.5	14639	39.5
Sign only	16	24.2	1687	18.4	4149	11.2
Cued Speech	0	0.0	4	0.0	122	0.3
Other	50	75.8	137	1.5	431	1.2

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INSTRUCTIONAL SETTINGS **	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	16	19.5	94	1.0	556	1.5
Total known information	66	100.0	9214	100.0	36944	100.0
Special school or center	66	100.0	2495	27.1	10364	28.1
Self-contained clrm in req. ed. setting	0	0.0	2761	30.0	11041	29.9
Resource room	0	0.0	1300	14.1	5199	14.1
Regular education setting	0	0.0	4188	45.5	17346	47.0
Home	0	0.0	268	2.9	948	2.6
Other	0	0.0	410	4.4	2434	6.6
<b>HRS/WK INTEGRATED W/HEARING STUDENTS</b>						
	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	16	19.5	300	3.2	1071	2.9
Total known information	66	100.0	9008	100.0	36429	100.0
None	66	100.0	3289	36.5	13262	36.4
1 to 5 hours/week	0	0.0	988	11.0	3720	10.2
6 to 15 hours/week	0	0.0	1045	11.6	4199	11.5
16 to 25 hours/week	0	0.0	917	10.2	3768	10.3
26 or more hours/week	0	0.0	2769	30.7	11480	31.5
<b>+ABR Results</b>						
	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	82	100.0	8791	94.4	31062	82.8
Total known information	0	0.0	517	100.0	6438	100.0
ABR results are not available/reliable	0	0.0	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	0	0.0	18	3.5	164	2.5
Response absent at 50 dB nHL	0	0.0	15	2.9	191	3.0
Response absent at 60 dB nHL	0	0.0	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 **	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	16	19.5	206	2.2	723	1.9
Total known information	66	100.0	9102	100.0	36777	100.0
No support services	0	0.0	794	8.7	2465	6.7
Sign interpreting	0	0.0	1988	21.8	9200	25.0
Oral interpreting	0	0.0	98	1.1	455	1.2
Cued speech transliteration	0	0.0	3	0.0	135	0.4
Itinerant teacher services	0	0.0	3731	41.0	13302	36.2
Tutoring	0	0.0	809	8.9	3301	9.0
Classroom inst. ass't/aide services	0	0.0	2100	23.1	6893	18.7
+Adaptive PE	0	0.0	445	4.9	1151	3.1
Speech training/therapy	43	65.2	4488	49.3	22172	60.3
Auditory training	50	75.8	2207	24.2	9892	26.9
Counseling	43	65.2	860	9.4	4234	11.5
Occupational/Physical Therapy (OT/PT)	0	0.0	645	7.1	3397	9.2
Notetaking	0	0.0	322	3.5	1748	4.8
Real-time captioning	0	0.0	104	1.1	610	1.7
Other	0	0.0	1086	11.9	4589	12.5
ADDIT. CONDITIONS OTHER THAN DEAFNESS**	Hawaii		West		Nation	
	N	%	N	%	N	%
Total students	82	100.0	9308	100.0	37500	100.0
Information NOT reported	33	40.2	751	8.1	2093	5.6
Total known information	49	100.0	8557	100.0	35407	100.0
No condition in addition to deafness	36	73.5	5020	58.7	20390	57.6
Low vision	1	2.0	346	4.0	1173	3.3
Legal blindness	0	0.0	98	1.1	470	1.3
+Developmental delay	0	0.0	170	2.0	624	1.8
+Autism	1	2.0	93	1.1	341	1.0
+Orthopedic impairment(includes CP)	2	4.1	364	4.3	1295	3.7
Learning disability (LD)	1	2.0	899	10.5	3265	9.2
Attention Deficit Disorder (ADD/ADHD)	0	0.0	392	4.6	2235	6.3
+Speech or language impairment	0	0.0	637	7.4	3362	9.5
+Traumatic brain injury	0	0.0	12	0.1	52	0.1
Mental retardation	6	12.2	726	8.5	2902	8.2
Emotional disturbance	1	2.0	126	1.5	675	1.9
+Other health impairment	0	0.0	181	2.1	703	2.0
Other conditions	1	2.0	618	7.2	2446	6.9

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