

**TABLE 1**  
**LIVE BIRTHS BY GEOGRAPHICAL AREA OF BIRTH (OCCURRENCE)**  
**AND QUARTER OF BIRTH**  
**2003**

GEOGRAPHIC AREA	QUARTER OF BIRTH					Sex Ratio <u>a/</u>
	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Total	
<b>HAWAII COUNTY</b>	488	517	546	517	2068	116.8
City of Hilo	252	263	266	267	1048	113.9
Rest of Hawai'i County	236	254	280	250	1020	119.8
<b>CITY &amp; COUNTY OF HONOLULU</b>	3210	3317	3479	3529	13535	108.3
Honolulu District	2967	3103	3252	3273	12595	107.0
Rest of Honolulu County	243	214	227	256	940	127.1
<b>KAUA'I COUNTY</b>	184	198	205	209	796	110.0
Island of Kaua'i	184	198	205	209	796	110.0
Island of Ni'ihau	0	0	0	0	0	NA
<b>MAUI COUNTY</b>	415	442	442	443	1742	113.5
Islands of Maui, Lāna'i and Moloka'i	415	442	442	443	1742	113.5
<b>Total</b>	4297	4474	4672	4698	18141	109.8

Note:

a/ Sex ratio is the number of males per 100 females.

**TABLE 2**  
**LIVE BIRTHS BY GEOGRAPHICAL AREA OF RESIDENCE AND QUARTER OF BIRTH**  
**2003**

GEOGRAPHIC AREA	QUARTER OF BIRTH					Sex Ratio <u>a/</u>
	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Total	
<b>HAWAII COUNTY</b>	510	539	556	545	2150	117.6
City of Hilo	146	139	161	164	610	107.5
Rest of Hawai'i County	364	400	395	381	1540	121.9
<b>CITY &amp; COUNTY OF HONOLULU</b>	3109	3248	3424	3438	13219	108.5
Honolulu District	1081	1140	1207	1226	4654	108.9
Rest of Honolulu County	2028	2108	2217	2212	8565	108.2
<b>KAUA'I COUNTY</b>	187	202	210	215	814	108.2
Island of Kaua'i	187	202	210	215	814	108.2
Island of Ni'ihau	0	0	0	0	0	NA
<b>MAUI COUNTY</b>	467	468	467	481	1883	112.0
Island of Lāna'i	8	8	8	12	36	80.0
Island of Maui	433	440	439	449	1761	112.9
Island of Moloka'i	26	20	20	20	86	109.8
<b>Total Resident</b>	4273	4457	4657	4679	18066	109.9
<b>Non-Resident/Unknown</b>	24	17	15	19	75	92.3

Note:

a/ Sex ratio is the number of males per 100 females. Unknown sex classified as male.

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**TABLE 3  
LIVE BIRTHS BY COUNTY OF BIRTH (OCCURRENCE)  
AND ETHNICITY OF CHILD  
2003**

COUNTY	ETHNICITY OF CHILD						Total
	Caucasian	Hawaiian	Chinese	Filipino	Japanese	All Others	
Hawai'i County	326	1129	18	228	141	226	2068
Honolulu County	2244	4369	512	2258	1534	2618	13535
Kaua'i County	150	347	13	192	38	56	796
Maui County	363	713	24	378	101	163	1742
<b>Total</b>	<b>3083</b>	<b>6558</b>	<b>567</b>	<b>3056</b>	<b>1814</b>	<b>3063</b>	<b>18141</b>

**TABLE 4  
LIVE BIRTHS BY COUNTY OF RESIDENCE AND ETHNICITY OF CHILD  
RESIDENTS, 2003**

COUNTY	ETHNICITY OF CHILD						Total
	Caucasian	Hawaiian	Chinese	Filipino	Japanese	All Others	
Hawai'i County	339	1175	18	234	149	235	2150
Honolulu County	2203	4202	506	2210	1512	2586	13219
Kaua'i County	147	368	14	196	38	51	814
Maui County	371	808	25	408	104	167	1883
<b>Total</b>	<b>3060</b>	<b>6553</b>	<b>563</b>	<b>3048</b>	<b>1803</b>	<b>3039</b>	<b>18066</b>

**TABLE 5  
LIVE BIRTHS BY COUNTY OF BIRTH (OCCURRENCE)  
AND ETHNICITY OF MOTHER  
2003**

COUNTY	ETHNICITY OF MOTHER						Total
	Caucasian	Hawaiian	Chinese	Filipino	Japanese	All Others	
Hawai'i County	455	884	23	293	178	235	2068
Honolulu County	2910	3258	567	2583	1848	2369	13535
Kaua'i County	219	227	11	225	55	59	796
Maui County	515	510	12	397	133	175	1742
<b>Total</b>	4099	4879	613	3498	2214	2838	18141

**TABLE 6  
LIVE BIRTHS BY COUNTY OF RESIDENCE AND ETHNICITY OF MOTHER  
RESIDENTS, 2003**

COUNTY	ETHNICITY OF MOTHER						Total
	Caucasian	Hawaiian	Chinese	Filipino	Japanese	All Others	
Hawai'i County	472	923	24	302	184	245	2150
Honolulu County	2850	3119	559	2531	1823	2337	13219
Kaua'i County	220	244	12	230	55	53	814
Maui County	531	589	13	428	140	182	1883
<b>Total</b>	4073	4875	608	3491	2202	2817	18066

**BIRTHS**

**TABLE 7  
CONGENITAL ANOMALIES  
RESIDENTS, 2003**

<b>TYPE OF CONGENITAL ANOMALY</b>	<b>Total</b>
Central Nervous System	24
Cardiocirculatory	186
Respiratory	34
Gastrointestinal	24
Genitourinary	129
Musculoskeletal	139
Chromosomal Syndromes	22
Skin	413
<b>Total anomalies</b>	<b>971</b>
<b>Total births with at least one anomaly</b>	<b>872</b>
<b>Resident Live Births</b>	<b>18066</b>

**TABLE 8  
LIVE BIRTHS BY TYPE OF FACILITY AND ETHNICITY OF CHILD  
RESIDENTS, 2003**

<b>FACILITY</b>	<b>ETHNICITY OF CHILD</b>						<b>Total</b>
	<b>Caucasian</b>	<b>Hawaiian</b>	<b>Chinese</b>	<b>Filipino</b>	<b>Japanese</b>	<b>All Others</b>	
<b>Hospital</b>	2939	6510	558	3036	1793	3000	17836
<b>All Others</b>	121	43	5	12	10	39	230
<b>Total</b>	3060	6553	563	3048	1803	3039	18066

**TABLE 9  
LIVE BIRTHS BY NONMARITAL STATUS AND ETHNICITY OF MOTHER  
RESIDENTS, 2003**

NONMARITAL STATUS	ETHNICITY OF MOTHER						
	Caucasian	Hawaiian	Chinese	Filipino	Japanese	All Others	Total
Nonmarital <u>a/</u>	659	2694	72	1214	390	1033	6062
All Others	3414	2181	536	2277	1812	1784	12004
<b>Total</b>	4073	4875	608	3491	2202	2817	18066
<b>Pct Nonmarital</b>	16.2	55.3	11.8	34.8	17.7	36.7	33.6

Note:

a/ Nonmarital births are defined here as those where the mother was not married.

**TABLE 10  
LIVE BIRTHS BY ETHNICITY OF FATHER AND ETHNICITY OF MOTHER  
RESIDENTS, 2003**

ETHNICITY OF FATHER	ETHNICITY OF MOTHER						
	Caucasian	Hawaiian	Chinese	Filipino	Japanese	All Others	Total
Caucasian	2853	472	112	396	326	318	4477
Hawaiian	361	2483	56	553	451	257	4161
Chinese	43	61	211	24	124	33	496
Filipino	173	493	38	1929	202	112	2947
Japanese	104	288	131	209	873	95	1700
All Others	539	1078	60	380	226	2002	4285
<b>Total</b>	4073	4875	608	3491	2202	2817	18066

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**TABLE 11  
NONMARITAL BIRTHS  
BY ISLAND OF MOTHER AND ETHNICITY OF MOTHER  
RESIDENTS, 2003**

ETHNICITY OF MOTHER	COUNTY									
	Hawai'i		Honolulu		Kaua'i		Maui		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
<b>Caucasian</b>	144	13.6	284	7.3	67	18.3	164	21.8	659	10.9
<b>Hawaiian</b>	576	54.2	1633	42.1	165	45.1	320	42.6	2694	44.4
<b>Filipino</b>	139	13.1	832	21.4	87	23.8	156	20.8	1214	20.0
<b>Japanese</b>	56	5.3	282	7.3	14	3.8	38	5.1	390	6.4
<b>All Others</b>	147	13.8	852	21.9	33	9.0	73	9.7	1105	18.2
<b>Total</b>	1062	100.0	3883	100.0	366	100.0	751	100.0	6062	100.0

**TABLE 12  
NONMARITAL BIRTHS  
BY BIRTH WEIGHT AND ETHNICITY OF MOTHER  
RESIDENTS, 2003**

ETHNICITY OF MOTHER	BIRTH WEIGHT (IN GRAMS)						
	LT 2000	2000-2499	2500-2999	3000-3499	3500-3999	4000+/ Unk	Total
<b>Caucasian</b>	20	26	111	248	179	75	659
<b>Hawaiian</b>	94	164	555	1067	636	178	2694
<b>Filipino</b>	49	96	352	455	219	43	1214
<b>Japanese</b>	13	25	91	168	79	14	390
<b>All Others</b>	23	71	252	440	244	75	1105
<b>Total</b>	199	382	1361	2378	1357	385	6062

**TABLE 13**  
**LIVE BIRTHS BY ETHNICITY OF MOTHER AND AGE OF MOTHER**  
**RESIDENTS, 2003**

ETHNICITY OF MOTHER	AGE OF MOTHER							Total
	Under 18	18-19	20-24	25-29	30-34	35-39	40+	
Caucasian	23	130	1050	1084	1024	599	163	4073
Hawaiian	242	518	1625	1185	819	398	88	4875
Chinese	5	12	48	123	216	169	35	608
Filipino	113	192	775	908	916	462	125	3491
Japanese	19	51	213	424	758	593	144	2202
All Others	64	150	824	780	612	318	69	2817
<b>Total</b>	466	1053	4535	4504	4345	2539	624	18066

**TABLE 14**  
**LIVE BIRTHS BY ETHNICITY OF MOTHER AND TRIMESTER OF FIRST PRENATAL VISIT**  
**RESIDENTS, 2003**

ETHNICITY OF MOTHER	TRIMESTER OF FIRST PRENATAL VISIT				Pct. Of Mothers With No First Tri Prenatal Care
	First	No Care or After First Trimester	Unknown	Total	
Caucasian	3550	474	49	4073	11.6
Hawaiian	3644	1074	157	4875	22.0
Chinese	547	47	14	608	7.7
Filipino	2850	573	68	3491	16.4
Japanese	1927	223	52	2202	10.1
All Others	2004	684	129	2817	24.3
<b>Total</b>	14522	3075	469	18066	17.0

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**TABLE 15  
LIVE BIRTHS BY AGE OF FATHER AND AGE OF MOTHER  
RESIDENTS, 2003**

AGE GROUP	BY AGE OF MOTHER		BY AGE OF FATHER	
	Number	Percent	Number	Percent
Under 18	466	2.6	126	0.7
18-19	1053	5.8	435	2.4
20-24	4535	25.1	3145	17.4
25-29	4504	24.9	3918	21.7
30-34	4345	24.1	4090	22.6
35-39	2539	14.1	2790	15.4
40+	624	3.5	2072	11.5
Unknown	0	0.0	1490	8.2
<b>Total</b>	<b>18066</b>	<b>100.0</b>	<b>18066</b>	<b>100.0</b>

**TABLE 16  
LIVE BIRTHS BY AGE OF MOTHER AND TRIMESTER OF FIRST PRENATAL VISIT  
RESIDENTS, 2003**

AGE OF MOTHER	TRIMESTER OF FIRST PRENATAL VISIT				Pct. Of Mothers With No First Trimester Prenatal Care
	First	None or After First Trimester	Unknown	Total	
Under 18	265	184	17	466	39.5
18-19	720	299	34	1053	28.4
20-24	3480	931	124	4535	20.5
25-29	3651	739	114	4504	16.4
30-34	3694	540	111	4345	12.4
35-39	2194	294	51	2539	11.6
40+	518	88	18	624	14.1
Unknown	0	0	0	0	NA
<b>Total</b>	<b>14522</b>	<b>3075</b>	<b>469</b>	<b>18066</b>	<b>17.0</b>



**TABLE 17**  
**LIVE BIRTHS BY RESIDENCE OF MOTHER AND TRIMESTER OF FIRST PRENATAL VISIT**  
**RESIDENTS, 2003**

MOTHER'S RESIDENT AREA	TRIMESTER OF FIRST PRENATAL VISIT				Pct. Of Mothers With No First Tri Prenatal Care
	First	No Care or After First Trimester	Unknown	Total	
<b>HAWAII COUNTY</b>					
City of Hilo	429	142	39	610	23.3
Rest of HI County	1089	401	50	1540	26.0
<b>HONOLULU COUNTY</b>					
Honolulu District	3881	602	171	4654	12.9
Rest of Honolulu	7155	1258	152	8565	14.7
<b>KAUA'I COUNTY</b>					
Island of Kaua'i	594	179	41	814	22.0
Island of Ni'ihau	0	0	0	0	NA
<b>MAUI COUNTY</b>					
Island of Lāna'i and Moloka'i	84	33	5	122	27.0
Island of Maui	1290	460	11	1761	26.1
<b>Total</b>	14522	3075	469	18066	17.0

**TABLE 18**  
**LIVE BIRTHS BY BIRTH WEIGHT AND TRIMESTER OF FIRST PRENATAL VISIT**  
**RESIDENTS, 2003**

BIRTH WEIGHT	TRIMESTER OF FIRST PRENATAL VISIT				Pct. Of Mothers With No First Tri Prenatal Care
	First	No Care or After First Trimester	Unknown	Total	
<b>Under 1000</b>	95	20	9	124	16.1
<b>1000-1499</b>	105	21	5	131	16.0
<b>1500-1999</b>	231	40	9	280	14.3
<b>2000-2499</b>	788	188	45	1021	18.4
<b>2500-2999</b>	2927	644	103	3674	17.5
<b>3000-3499</b>	5586	1258	158	7002	18.0
<b>3500-3999</b>	3601	691	97	4389	15.7
<b>4000+ / Unknown</b>	1189	213	43	1445	14.7
<b>Total</b>	14522	3075	469	18066	17.0

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**TABLE 19  
LIVE BIRTHS BY BIRTH WEIGHT AND ETHNICITY OF MOTHER  
RESIDENTS, 2003**

BIRTH WEIGHT	ETHNICITY OF MOTHER						
	Caucasian	Hawaiian	Chinese	Filipino	Japanese	All Others	Total
Under 1500	40	85	6	50	26	48	255
1500-1999	63	73	10	62	43	29	280
2000-2499	159	271	34	261	153	143	1021
2500-2999	595	941	128	915	561	534	3674
3000-3499	1544	1815	242	1413	910	1078	7002
3500-3999	1197	1277	155	659	423	678	4389
4000+ / Unknown	475	413	33	131	86	307	1445
<b>Total</b>	4073	4875	608	3491	2202	2817	18066

**TABLE 20  
LIVE BIRTHS BY BIRTH WEIGHT AND AGE OF MOTHER  
RESIDENTS, 2003**

BIRTH WEIGHT	AGE OF MOTHER							
	Under 18	18-19	20-24	25-29	30-34	35-39	40+	Total
Under 1500	13	27	44	65	51	45	10	255
1500-1999	10	19	73	48	67	49	14	280
2000-2499	39	74	248	230	222	163	45	1021
2500-2999	107	248	952	873	834	531	129	3674
3000-3499	202	412	1792	1779	1668	925	224	7002
3500-3999	82	230	1094	1101	1115	625	142	4389
4000+ / Unk	13	43	332	408	388	201	60	1445
<b>Total</b>	466	1053	4535	4504	4345	2539	624	18066

**TABLE 21**  
**LIVE BIRTHS BY ETHNICITY OF MOTHER**  
**AND NUMBER OF CHILDREN PREVIOUSLY BORN TO MOTHER**  
**RESIDENTS, 2003**

ETHNICITY OF MOTHER	NUMBER OF CHILDREN PREVIOUSLY BORN TO MOTHER					Total
	0	1	2	3	4 or More/ Unknown	
Caucasian	1825	1278	626	218	126	4073
Hawaiian	1762	1332	994	440	347	4875
Chinese	276	216	94	17	5	608
Filipino	1339	1161	628	255	108	3491
Japanese	1054	776	272	63	37	2202
All Others	1068	812	439	254	244	2817
<b>Total</b>	<b>7324</b>	<b>5575</b>	<b>3053</b>	<b>1247</b>	<b>867</b>	<b>18066</b>

**TABLE 22**  
**LIVE BIRTHS BY GESTATION (EST. IN WEEKS) AND 5 MINUTE APGAR SCORE**  
**RESIDENTS, 2003**

GESTATION (EST. IN WEEKS)	5 MINUTE APGAR SCORE		
	0 to 6	7 to 10 / Unknown	Total
Under 24	40	20	60
24-25	19	15	34
26-27	15	39	54
28-30	12	89	101
31-33	17	295	312
34-37	37	3090	3127
38-40	60	12615	12675
Over 40 / Unknown	14	1689	1703
<b>Total</b>	<b>214</b>	<b>17852</b>	<b>18066</b>

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**TABLE 23  
LIVE BIRTHS BY RESIDENCE OF MOTHER AND 5 MINUTE APGAR SCORE  
RESIDENTS, 2003**

MOTHER'S RESIDENT COUNTY	5 MINUTE APGAR SCORE		
	0 to 6	7 to 10/ Unknown	Total
Hawai'i County	25	2125	2150
Honolulu County	169	13050	13219
Kaua'i County	8	806	814
Maui County	12	1871	1883
<b>Total</b>	214	17852	18066

**TABLE 24  
LIVE BIRTHS BY PLURALITY, SEX OF CHILD, AND ETHNICITY OF MOTHER  
RESIDENTS, 2003**

ETHNICITY OF MOTHER	PLURALITY					
	Single		Multiple		Total	
	Male	Female	Male	Female	Male	Female
Caucasian	2058	1872	65	78	2123	1950
Hawaiian	2522	2225	64	64	2586	2289
Chinese	311	282	10	5	321	287
Filipino	1810	1601	44	36	1854	1637
Japanese	1058	1055	43	46	1101	1101
All Others	1434	1310	39	34	1473	1344
<b>Total</b>	9193	8345	265	263	9458	8608

**TABLE 25**  
**LIVE BIRTHS BY MILITARY STATUS OF PARENTS**  
**AND ETHNICITY OF CHILD**  
**RESIDENTS, 2003**

ETHNICITY OF CHILD	MILITARY STATUS			
	One or Both Parents in Military	Neither Parent in Military	Unknown	Total
Caucasian	1574	1302	184	3060
Hawaiian	215	5767	571	6553
Chinese	27	521	15	563
Filipino	292	2558	198	3048
Japanese	80	1659	64	1803
All Others	808	1813	418	3039
<b>Total</b>	2996	13620	1450	18066

**TABLE 26**  
**LIVE BIRTHS BY ETHNICITY OF MOTHER AND EDUCATION OF MOTHER**  
**RESIDENTS, 2003**

ETHNICITY OF MOTHER	EDUCATION OF MOTHER						
	None/ Less than Grade 9	Grades 9 to 11	Grade 12	1-4 Years College	>4 Years College	Unknown	Total
Caucasian	49	161	1455	1756	626	26	4073
Hawaiian	59	589	2598	1283	292	54	4875
Chinese	13	17	125	292	155	6	608
Filipino	32	282	1327	1646	188	16	3491
Japanese	5	45	460	1098	577	17	2202
All Others	112	303	1226	945	171	60	2817
<b>Total</b>	270	1397	7191	7020	2009	179	18066