

Asian Births in Massachusetts 1998-1999 Data Tables

Attached please find supplemental data tables for the report, *Asian Births in Massachusetts: 1996-1997*. These tables contain data for years 1998-1999 to update the appendix tables that appear in the report for 1996-1997. The 1998-1999 tables presented here retain the lettering/numbering scheme used in the report so that users can identify the corresponding tables between the two time periods for comparison purposes.

A subset of these tables appear in the report *Asian Births in Massachusetts: 1998-1999 Supplement*.

[Note: Tables that contain only 1990 Census or MISER population data are not reproduced here since these tables did not change between the two time periods.]

Contents:

- I. **Statewide Data Tables**
- II. **Community Data Tables**

I. Statewide Data Tables

Table A2.1 Distribution of Asian Births by Community¹: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	Korean	Filipino	Japanese	Laotian	Pakistani	Thai	TOTAL ²
Boston	386	371	34	71	44	46	45	3	27	12	1,039
Lowell	29	50	547	113	6	10	0	65	5	8	833
Quincy	248	81	2	42	11	12	0	2	5	2	405
Worcester	34	212	9	36	10	13	6	12	9	4	345
Malden	157	50	5	42	21	5	4	0	11	0	295
Cambridge	98	6	1	53	54	6	21	0	10	3	252
Lynn	10	39	166	3	2	8	0	9	2	3	242
Brookline	78	4	2	19	34	6	52	0	5	0	200
Somerville	65	10	2	41	11	5	7	0	11	1	153
Waltham	52	10	2	53	13	7	5	7	0	1	150
Newton	92	6	2	16	13	2	14	0	2	2	149
Framingham	50	6	1	58	6	9	4	0	8	0	142
Springfield	9	66	3	5	4	7	4	10	5	1	114
Other towns	942	359	291	777	269	261	169	67	118	44	3,297
TOTAL	2,250	1,270	1,067	1,329	498	397	331	175	218	81	7,616

¹ Cities and towns with 100 or more Asian births from 1998-1999.

² This column does not include 460 total births to mothers of Hawaiian or "Other Asian/Pacific Islander" ancestry.

Table A2.2 Distribution of Asian Births by Hospital¹: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	Korean	Filipino	Japanese	Laotian	Pakistani	Thai	Total Asian ² Births	Total Births
Beth Israel Deaconess	654	99	8	106	30	24	28	4	11	2	966	10,991
Brigham and Women's	386	107	23	120	147	50	100	3	20	10	966	18,847
Lowell General	39	45	440	136	18	14	3	52	5	5	757	3,993
New England Medical	137	177	8	22	6	10	11	4	3	5	383	2,979
St. Elizabeth's	106	69	22	83	6	21	9	3	21	1	341	3,111
Mass. General	71	47	83	40	15	17	23	1	13	1	311	5,067
UMASS Memorial	49	95	6	64	11	14	4	9	10	4	266	7,148
Newton-Wellesley	119	7	6	59	23	17	12	0	7	4	254	7,405
Melrose-Wakefield	62	87	25	37	15	10	6	2	7	1	252	3,715
Saint Vincent	28	132	2	42	5	8	6	9	6	1	239	3,915
Winchester	62	19	5	104	10	7	17	0	8	0	232	4,384
Metrowest	62	9	3	103	19	13	9	0	7	1	226	4,914
Mount Auburn	77	12	4	35	15	8	18	4	11	6	190	2,451
Beverly	27	13	71	12	20	11	12	1	1	0	168	5,064
Baystate	27	46	4	25	11	20	5	10	14	1	163	9,840
Emerson	60	2	2	44	13	7	11	1	3	5	148	2,850
Saints Memorial	6	8	105	6	0	2	1	15	1	2	146	1,157
North Shore	14	23	62	5	6	18	2	6	6	1	143	3,440
South Shore	40	21	4	41	7	18	1	2	7	2	143	7,369
Boston Medical	14	58	3	3	26	2	6	0	8	7	127	3,512
Cooley-Dickinson	27	3	28	11	14	11	3	0	2	1	100	1,786
Leominster	20	14	5	1	12	3	3	26	5	1	90	2,866

(continued on next page)

Table A2.2 continued. Distribution of Asian Births by Hospital¹: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	Korean	Filipino	Japanese	Laotian	Pakistani	Thai	Total Asian ² Births	Total Births
Lawrence General	5	27	26	14	6	4	0	0	0	1	83	2,619
Cambridge	7	8	1	38	5	3	1	1	9	0	73	1,317
Sturdy Memorial	8	4	28	13	2	6	3	0	5	1	70	1,728
Good Samaritan Medical	12	18	8	11	2	5	2	4	0	1	63	2,173
Charlton Memorial	3	6	41	1	4	4	0	0	0	3	62	2,900
Holy Family	11	9	17	8	5	4	4	1	0	3	62	1,880
Caritas Norwood	8	9	1	34	0	0	3	0	1	1	57	1,294
Mercy	1	34	1	1	0	4	1	0	0	0	42	1,473
Quincy	13	15	1	5	2	3	0	0	1	0	40	500
Brockton	10	5	2	8	1	3	2	1	3	2	37	2,373
Deaconess / Waltham	4	1	0	21	4	3	1	1	1	0	36	473
Other Hospitals	81	41	22	76	38	53	24	15	22	8	380	41,664
TOTAL	2,250	1,270	1,067	1,329	498	397	331	175	218	81	7,616	162,271

¹Hospitals with 35 or more Asian births from 1996 - 1997.

²This column does not include 386 total births to mothers of Hawaiian or "Other Asian/Pacific Islander" ancestry.

**Table A2.3 Hospital Distribution¹ of Births to Mothers of Chinese Ancestry
by Mother's Birthplace: Massachusetts 1998-1999.**

BIRTHPLACE:	People's Republic	Taiwan	Hong Kong	Vietnam	U.S.	Other	Total ²
Beth Israel/Deaconess	464	30	45	30	60	25	654
Brigham and Women's	253	46	41	1	32	13	386
New England Medical	91	3	16	13	9	5	137
Newton-Wellesley	47	11	8	3	41	9	119
St. Elizabeth's	44	4	17	5	20	9	106
Mount Auburn	37	14	7	1	9	2	77
Mass General	48	3	1	3	5	11	71
Melrose-Wakefield	39	2	4	8	6	3	62
Metrowest	37	8	4	3	7	3	62
Winchester	36	5	5	5	5	6	62
Emerson	11	5	4	3	30	6	60
UMASS Memorial	36	1	2	0	5	5	49
South Shore	16	4	2	3	11	4	40
Lowell General	20	5	1	2	4	7	39
Other hospitals	184	25	17	35	44	20	326
TOTAL	1,363	166	174	115	288	128	2,250

¹ Hospitals with 35 or more Chinese births from 1998-1999.

² Totals include 16 mothers of Chinese ancestry whose place of birth is unknown.

Table A3.1 Percent Distribution of Mother's Demographic Characteristics by Ethnicity: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	Korean	Filipino	Japanese	Laotian	Pakistani	Thai	White Non-Hispanic ¹
Number of Births	2,250	1,270	1,067	1,329	498	397	331	175	218	81	119,636
U.S. born	11.0	1.5	4.4	3.2	10.2	20.2	14.5	6.3	4.1	9.9	92.2
Age, in years											
<18	-- ²	2.0	10.5	0.0	-- ²	-- ²	0.0	8.0	0.0	9.9	1.3
18-19	0.5	3.5	9.7	0.5	1.0	2.8	0.0	10.9	2.8	8.6	3.3
20-24	4.8	20.5	24.6	11.7	8.0	9.1	3.3	28.0	14.7	18.5	11.4
25-29	22.0	37.8	28.7	44.8	38.4	24.9	24.5	31.4	37.2	22.2	25.2
30-34	41.6	25.4	15.8	33.3	37.8	39.3	38.7	13.1	34.4	23.5	36.0
35-39	26.2	8.8	8.6	8.6	12.9	18.6	27.8	8.0	9.6	12.3	19.1
40+	4.7	2.0	2.1	1.1	1.8	5.0	5.7	-- ²	-- ²	-- ²	3.7
Education completed ³											
less than high school	10.1	33.2	38.3	2.7	1.2	2.3	-- ²	26.1	7.1	10.6	3.7
high school	18.4	35.7	37.0	8.2	12.6	17.9	12.4	43.0	15.2	16.7	23.8
some college	13.0	19.1	17.4	9.5	15.0	20.5	22.7	24.6	14.3	27.3	27.1
college graduate	27.8	9.2	5.9	40.4	44.1	46.2	41.7	4.9	42.9	27.3	30.9
more than college	30.8	2.8	1.4	39.3	27.0	13.0	22.7	-- ²	20.5	18.2	14.5
Marital status											
married	95.4	71.0	44.5	98.4	94.0	85.9	95.2	56.6	99.5	61.7	81.5
not married	4.6	29.0	55.5	1.6	6.0	14.1	4.8	43.4	-- ²	38.3	18.5
Language preference											
English	54.7	43.5	49.4	86.8	66.1	94.0	54.1	64.6	73.9	76.5	98.0
Cambodian	0.2	0.4	48.3	-- ²	0.0	0.0	0.0	0.0	0.0	-- ²	0.0
Cantonese	24.0	1.0	-- ²	-- ²	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lao	0.0	-- ²	-- ²	0.0	0.0	0.0	0.0	26.9	0.0	0.0	-- ²
Mandarin	13.0	-- ²	-- ²	0.0	0.0	0.0	-- ²	0.0	0.0	0.0	0.0
Vietnamese	0.7	53.4	-- ²	-- ²	0.0	0.0	0.0	0.0	0.0	0.0	-- ²
Other	7.3	1.6	1.5	12.9	33.9	6.0	45.6	8.6	26.1	19.8	2.0

¹ White Non-Hispanic group excludes women of Asian ancestry.

² Percentages based on fewer than five events are excluded.

³ Women 20 years of age and older.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Table A3.2 Distribution of Mother's Demographic Characteristics by Ethnicity: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	Korean	Filipino	Japanese	Laotian	Pakistani	Thai	White Non-Hispanic ¹
Number of Births	2,250	1,270	1,067	1,329	498	397	331	175	218	81	119,636
U.S. born	245	19	47	43	51	80	48	11	9	8	110,269
Age, in years											
<18	3	26	112	0	1	1	0	14	0	8	1,608
18-19	12	45	103	6	5	11	0	19	6	7	3,913
20-24	109	260	263	156	40	36	11	49	32	15	13,633
25-29	495	480	306	595	191	99	81	55	81	18	30,167
30-34	936	322	169	443	188	156	128	23	75	19	43,054
35-39	589	112	92	114	64	74	92	14	21	10	22,843
40+	106	25	22	15	9	20	19	1	3	4	4,418
Education completed ²											
less than high school	225	398	326	36	6	9	2	37	15	7	4,210
high school	411	427	315	108	62	69	41	61	32	11	27,177
some college	290	229	148	125	74	79	75	35	30	18	30,876
college graduate	621	110	50	534	217	178	138	7	90	18	35,236
more than college	688	33	12	519	133	50	75	2	43	12	16,557
Marital status											
married	2,146	902	475	1,307	468	340	315	99	217	50	97,483
not married	104	368	592	21	30	56	16	76	1	31	22,134
Language preference											
English	1,231	552	527	1,153	329	373	179	113	161	62	117,259
Cambodian	5	5	515	2	0	0	0	0	0	3	6
Cantonese	540	13	1	1	0	0	0	0	0	0	0
Lao	0	1	3	0	0	0	0	47	0	0	1
Mandarin	293	1	2	0	0	0	1	0	0	0	0
Vietnamese	16	678	3	1	0	0	0	0	0	0	1
Other	164	20	16	172	169	24	151	15	57	16	2,367

¹ White Non-Hispanic group excludes women of Asian ancestry.

² Women 20 years of age and older.

Note: Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table A3.3 Percent Distribution of Demographic Characteristics for Mothers of Chinese Ancestry by Maternal Birthplace: Massachusetts 1998-1999.

BIRTHPLACE:	CHINESE						Total ¹	White Non-Hispanic
	People's Republic	Taiwan	Hong Kong	Vietnam	U.S.	Other		
Number of Births	1,363	166	174	115	288	128	2,250	119,636
Age, in years								
<18	0.0	0.0	-- ²	0.0	-- ²	0.0	-- ²	1.3
18-19	-- ²	0.0	0.0	-- ²	-- ²	-- ²	0.5	3.3
20-24	5.4	-- ²	--	9.6	4.2	3.9	4.8	11.4
25-29	25.0	21.7	10.3	27.0	13.9	21.1	22.0	25.2
30-34	39.7	51.2	40.2	41.7	48.6	33.6	41.6	36.0
35-39	25.3	19.9	39.7	19.1	27.1	29.7	26.2	19.1
40+	4.3	5.4	6.9	-- ²	4.5	8.6	4.7	3.7
Education completed ³								
less than high school	13.2	-- ²	3.5	24.6	-- ²	5.6	10.1	3.7
high school	21.2	9.6	21.4	29.8	6.4	12.9	18.4	23.8
some college	11.9	10.2	17.9	21.9	13.4	12.9	13.0	27.1
college graduate	22.1	32.5	37.0	19.3	44.2	40.3	27.8	30.9
more than college	31.6	47.0	20.2	-- ²	35.0	28.2	30.8	14.5
Marital status								
married	96.1	97.0	97.7	89.6	91.3	96.1	95.4	81.5
not married	3.9	3.0	-- ²	10.4	8.7	3.9	4.6	18.5
Language preference								
English	41.6	64.5	64.9	47.0	95.8	78.1	54.7	98.0
Cambodian	-- ²	0.0	0.0	0.0	0.0	-- ²	0.2	0.0
Cantonese	32.0	4.2	24.7	33.0	-- ²	10.2	24.0	0.0
Lao	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-- ²
Mandarin	17.4	26.5	-- ²	-- ²	-- ²	-- ²	13.0	0.0
Vietnamese	-- ²	0.0	0.0	13.0	0.0	0.0	0.7	-- ²
Other	8.8	4.8	8.6	6.1	1.7	7.0	7.3	2.0

¹ Totals include 82 mothers of Chinese ancestry whose place of birth is unknown.

² Percentages based on fewer than five events are excluded.

³ Women 20 years of age and older.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Table A3.4 Distribution of Demographic Characteristics for Mothers of Chinese Ancestry by Maternal Birthplace: Massachusetts 1998-1999.

BIRTHPLACE:	CHINESE						Total ¹	White Non-Hispanic
	People's Republic	Taiwan	Hong Kong	Vietnam	U.S.	Other		
Number of Births	1,363	166	174	115	288	128	2,250	119,636
Age, in years								
<18	0	0	1	0	2	0	3	1,608
18-19	4	0	0	1	3	4	12	3,913
20-24	74	3	4	11	12	5	109	13,633
25-29	341	36	18	31	40	27	495	30,167
30-34	541	85	70	48	140	43	936	43,054
35-39	345	33	69	22	78	38	589	22,843
40+	58	9	12	2	13	11	106	4,418
	78	3	5	12	17	9	124	19,154
Education completed ²								
less than high school	180	1	6	28	3	7	225	4,210
high school	288	16	37	34	18	16	411	27,177
some college	162	17	31	25	38	16	290	30,876
college graduate	300	54	64	22	125	50	621	35,236
more than college	429	78	35	5	99	35	688	16,557
	729	132	99	27	224	85	1,309	51,793
Marital status								
married	1,310	161	170	103	263	123	2,146	97,483
not married	53	5	4	12	25	5	104	22,134
Language preference								
English	567	107	113	54	276	100	1,231	117,259
Cambodian	1	0	0	0	0	4	5	6
Cantonese	436	7	43	38	3	13	540	0
Lao	0	0	0	0	0	0	0	1
Mandarin	237	44	3	1	4	2	293	0
Vietnamese	1	0	0	15	0	0	16	1
Other	120	8	15	7	5	9	164	2,367

¹ Totals include 82 mothers of Chinese ancestry whose place of birth is unknown.

² Women 20 years of age and older.

Note: Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table A4.1 Percent Distribution of Maternal Risk Factors by Ethnicity: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	Korean	Filipino	Japanese	Laotian	Pakistani	Thai	White Non-Hispanic
Number of Births	2,250	1,270	1,067	1,329	498	397	331	175	218	81	119,636
Parity											
1	51.8	49.5	39.2	61.9	56.4	48.9	55.3	44.6	35.3	54.3	44.2
2-3	46.4	44.0	40.2	37.2	42.0	47.1	41.1	42.3	59.6	45.7	49.6
4+	1.8	6.5	20.6	0.8	1.6	4.0	3.6	13.1	5.0	0.0	6.2
Smoking prior to pregnancy											
yes	1.6	2.5	4.9	0.5	7.8	9.6	6.9	5.1	-- ¹	11.1	21.2
no	98.4	97.5	95.1	99.5	92.2	90.4	93.1	94.9	99.1	88.9	78.8
Smoking during pregnancy											
yes	0.5	1.7	2.5	-- ¹	4.0	4.1	3.0	3.4	-- ¹	6.2	12.4
no	99.5	98.3	97.5	99.8	96.0	95.9	97.0	96.6	99.5	93.8	87.6
Cesarean section ²											
yes	19.7	16.3	11.0	22.3	17.3	24.4	16.7	7.4	17.9	12.3	22.1
no	80.3	83.7	89.0	77.7	82.7	75.6	83.3	92.6	82.1	87.7	77.9
Maternal conditions:											
anemia	1.1	1.4	3.0	2.4	1.2	-- ¹	2.4	2.9	3.7	-- ¹	1.3
hypertension ³	2.0	1.6	2.6	1.8	1.8	5.1	2.1	-- ¹	-- ¹	-- ¹	3.9
diabetes ⁴	6.9	3.7	3.3	6.8	3.4	8.4	3.3	-- ¹	6.9	7.4	2.9
hepatitis B carrier	4.1	3.2	4.4	-- ¹	1.2	-- ¹	-- ¹	-- ¹	-- ¹	-- ¹	0.1
eclampsia	0.8	0.6	-- ¹	-- ¹	-- ¹	1.3	0.0	-- ¹	0.0	-- ¹	0.7
Previous preterm or small for gestational age infant											
yes	0.4	0.5	1.2	0.5	-- ¹	-- ¹	0.0	-- ¹	-- ¹	0.0	0.8
no	99.6	99.5	98.8	99.5	99.6	99.7	100.0	99.4	99.1	100.0	99.2

¹ Percentages based on fewer than five events are excluded.

² Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

³ Includes both chronic and pregnancy-related hypertension.

⁴ Includes both gestational and other diabetes.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Table A4.2 Distribution of Maternal Risk Factors by Ethnicity: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	Korean	Filipino	Japanese	Laotian	Pakistani	Thai	White Non-Hispanic
Number of Births	2,250	1,270	1,067	1,329	498	397	331	175	218	81	119,636
Parity											
1	1,166	629	418	823	281	194	183	78	77	44	52,879
2-3	1,044	559	429	495	209	187	136	74	130	37	59,327
4+	40	82	220	11	8	16	12	23	11	0	7,430
Smoking prior to pregnancy											
yes	37	32	52	7	39	38	23	9	2	9	25,333
no	2,213	1,238	1,014	1,321	459	357	308	166	215	72	94,234
Smoking during pregnancy											
yes	12	21	27	2	20	16	10	6	1	5	14,849
no	2,238	1,248	1,039	1,326	478	379	321	169	216	76	104,719
Cesarean section ¹											
yes	444	207	117	295	86	96	55	13	39	10	26,400
no	1,806	1,061	950	1,028	412	297	275	162	179	71	93,050
Maternal conditions:											
anemia	25	18	32	32	6	4	8	5	8	2	1,600
hypertension ²	44	20	28	24	9	20	7	3	3	1	4,622
diabetes ³	154	47	35	90	17	33	11	4	15	6	3,393
hepatitis B carrier	91	40	47	3	6	4	2	3	2	3	87
eclampsia	17	7	4	4	4	5	0	1	0	0	880
Previous preterm or small for gestational age infant											
yes	9	6	13	6	2	1	0	1	2	0	928
no	2,237	1,261	1,053	1,310	493	392	329	174	216	81	117,957

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Includes both chronic and pregnancy-related hypertension.

³ Includes both gestational and other diabetes.

Note: Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table A4.3 Percent Distribution of Maternal Risk Factors for Mothers of Chinese Ancestry by Maternal Birthplace: Massachusetts 1998-1999.

BIRTHPLACE:	CHINESE						Total ¹	White Non-Hispanic
	People's Republic	Taiwan	Hong Kong	Vietnam	U.S.	Other		
Number of Births	1,363	166	174	115	288	128	2,250	119,636
Parity								
1	52.3	56.6	39.1	55.7	53.5	49.2	51.8	44.2
2-3	46.4	43.4	56.3	41.7	43.8	47.7	46.4	49.6
4+	1.2	0.0	4.6	-- ²	2.8	-- ²	1.8	6.2
Smoking prior to pregnancy								
yes	-- ²	-- ²	3.4	-- ²	9.0	-- ²	1.6	21.2
no	99.9	99.4	96.6	99.1	91.0	98.4	98.4	78.8
Smoking during pregnancy								
yes	0.0	-- ²	-- ²	0.0	3.1	0.0	0.5	12.4
no	100.0	99.4	98.9	100.0	96.9	100.0	99.5	87.6
Cesarean section ³								
yes	18.7	19.3	25.3	19.1	20.5	21.1	19.7	22.1
no	81.3	80.7	74.7	80.9	79.5	78.9	80.3	77.9
Maternal conditions:								
anemia	1.1	-- ²	-- ²	-- ²	-- ²	-- ²	1.1	1.3
hypertension ⁴	1.6	-- ²	-- ²	4.3	2.8	-- ²	2.0	3.9
diabetes ⁵	7.4	9.0	5.7	-- ²	4.9	7.8	6.9	2.9
hepatitis B carrier	5.1	-- ²	-- ²	4.3	2.1	-- ²	4.1	0.1
eclampsia	0.6	0.0	2.9	0.0	-- ²	-- ²	0.8	0.7
Previous preterm or small for gestational age infant								
yes	--	-- ²	-- ²	-- ²	-- ²	-- ²	0.4	0.8
no	99.9	99.4	98.9	98.3	99.3	99.2	99.6	99.2

¹ Totals include 82 mothers of Chinese ancestry whose place of birth is unknown.

² Percentages based on fewer than five events are excluded.

³ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

⁴ Includes both chronic and pregnancy-related hypertension.

⁵ Includes both gestational and other diabetes.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Table A4.4 Distribution of Maternal Risk Factors for Mothers of Chinese Ancestry by Maternal Birthplace: Massachusetts 1998-1999.

BIRTHPLACE:	CHINESE						Total ¹	White Non-Hispanic
	People's Republic	Taiwan	Hong Kong	Vietnam	U.S.	Other		
Number of Births	1,363	166	174	115	288	128	2,250	119,636
Parity								
1	713	94	68	64	154	63	1,166	52,879
2-3	633	72	98	48	126	61	1,044	59,327
4+	17	0	8	3	8	4	40	7,430
Smoking prior to pregnancy								
yes	1	1	6	1	26	2	37	25,333
no	1,362	165	168	114	262	126	2,213	94,234
Smoking during pregnancy								
yes	0	1	2	0	9	0	12	14,849
no	1,363	165	172	115	279	128	2,238	104,719
Cesarean section ²								
yes	255	32	44	22	59	27	444	26,400
no	1,108	134	130	93	229	101	1,806	93,050
Maternal conditions:								
anemia	15	2	3	2	1	2	25	1,600
hypertension ³	22	2	4	5	8	3	44	4,622
diabetes ⁴	101	15	10	3	14	10	154	3,393
hepatitis B carrier	69	3	4	5	6	3	91	87
eclampsia	8	0	5	0	2	2	17	880
Previous preterm or small for gestational age infant								
yes	1	1	2	2	2	1	9	928
no	1,360	165	172	113	284	127	2,237	117,957

¹ Totals include 82 mothers of Chinese ancestry whose place of birth is unknown.

² Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

³ Includes both chronic and pregnancy-related hypertension.

⁴ Includes both gestational and other diabetes.

Note: Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

**Table A5.1 Percent Distribution of Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity:
Massachusetts 1998-1999.**

	Chinese	Vietnamese	Cambodian	Asian Indian	Korean	Filipino	Japanese	Laotian	Pakistani	Thai	White Non- Hispanic
Number of Births	2,250	1,270	1,067	1,329	498	397	331	175	218	81	119,636
Adequate prenatal care ¹	80.5	69.5	46.0	76.8	80.5	79.4	82.7	52.3	71.6	64.2	83.3
Payment source ²											
private	77.5	57.1	46.4	93.2	84.1	85.5	91.2	63.4	62.2	64.2	82.6
public	21.8	41.6	52.0	5.8	13.7	12.9	6.4	36.0	35.0	33.3	16.2
self	0.4	0.7	0.5	0.8	1.0	-- ³	1.5	-- ³	2.8	-- ³	0.5
Site of care											
physician's office	58.4	47.1	48.5	79.9	71.7	75.8	71.6	66.7	62.8	64.2	84.1
hospital clinic	12.9	16.8	26.1	9.4	11.6	12.1	18.0	16.1	21.1	18.5	6.8
community health center	18.1	25.2	14.9	1.6	1.8	2.3	2.4	4.6	5.5	-- ³	2.0
HMO/other	10.6	10.9	10.5	9.1	14.8	9.8	8.0	12.6	10.6	12.3	7.1
Breastfeeding ⁴											
yes	80.7	53.0	47.6	95.1	90.2	86.8	94.8	54.3	95.0	77.8	71.3
no	19.3	47.0	52.4	4.9	9.8	13.2	5.2	45.7	5.0	22.2	28.7
Pediatric provider named?											
yes	81.6	95.0	99.3	96.6	96.8	98.5	96.7	98.9	98.2	100.0	98.1
no	18.4	5.0	0.7	3.4	3.2	1.5	3.3	-- ³	-- ³	0.0	1.9

¹ Adequate prenatal care: See technical notes for definition of adequacy of care.

² Payment source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, free care, other government source of payment

Self = Self-pay

³ Percentages based on fewer than five events are excluded.

⁴ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

**Table A5.2 Distribution of Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity:
Massachusetts 1998-1999.**

	Chinese	Vietnamese	Cambodian	Asian Indian	Korean	Filipino	Japanese	Laotian	Pakistani	Thai	White Non- Hispanic
Number of Births	2,250	1,270	1,067	1,329	498	397	331	175	218	81	119,636
Adequate prenatal care ¹	1,808	878	486	1,017	401	313	273	91	156	52	99,274
Payment source ²											
private	1,735	724	495	1,229	418	337	300	111	135	52	98,300
public	489	527	555	76	68	51	21	63	76	27	19,277
self	10	9	5	10	5	3	5	1	6	2	579
Site of care											
physician's office	1,296	594	512	1,040	353	295	234	116	137	52	98,865
hospital clinic	286	212	276	122	57	47	59	28	46	15	7,989
community health center	403	317	157	21	9	9	8	8	12	4	2,318
HMO/other	236	137	111	118	73	38	26	22	23	10	8,380
Breastfeeding ³											
yes	1,811	673	508	1,253	449	342	312	95	207	63	84,877
no	433	596	559	64	49	52	17	80	11	18	34,157
Pediatric provider named?											
yes	1,836	1,206	1,060	1,284	482	391	320	173	214	81	117,305
no	414	64	7	45	16	6	11	2	4	0	2,331

¹ Adequate prenatal care: See technical notes for definition of adequacy of care.

² Payment source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, free care, other government source of payment

Self = Self-pay

³ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table A5.3 Percent Distribution of Prenatal and Postnatal Care Characteristics for Mothers of Chinese Ancestry by Maternal Birthplace: Massachusetts 1998-1999.

BIRTHPLACE:	CHINESE						Total ¹	White Non-Hispanic
	People's Republic	Taiwan	Hong Kong	Vietnam	U.S.	Other		
Number of Births	1,363	166	174	115	288	128	2,250	119,636
Adequate prenatal care ²	79.4	86.7	85.1	75.7	83.6	75.8	80.5	83.3
Payment source ³								
private	70.3	94.6	89.0	69.6	92.0	89.0	77.5	82.6
public	29.1	5.4	9.9	30.4	6.9	10.2	21.8	16.2
self	0.4	0.0	-- ⁴	0	-- ⁴	0.0	0.4	0.5
Site of care								
physician's office	49.6	79.3	64.0	50.4	81.6	69.8	58.4	84.1
hospital clinic	14.3	7.3	12.2	15.7	8.7	15.6	12.9	6.8
community health center	25.4	3.0	8.7	24.3	-- ⁴	7.1	18.1	2.0
HMO/other	10.7	10.4	15.1	9.6	8.7	9.5	10.6	7.1
Breast feeding ⁵								
yes	79.0	97.0	76.9	63.5	87.2	82.8	80.7	71.3
no	21.0	3.0	23.1	36.5	12.8	17.2	19.3	21.0
Pediatric provider named?								
yes	74.6	95.8	87.4	79.1	96.5	96.1	68.9	98.1
no	25.4	4.2	12.6	20.9	3.5	3.9	18.4	1.9

¹ Totals include 82 mothers of Chinese ancestry whose place of birth is unknown.

² Adequate prenatal care: See technical notes for definition of adequacy of care.

³ Payment source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, free care, other government source of payment

Self = Self-pay

⁴ Percentages based on fewer than five events are excluded.

⁵ Mother was breast feeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Table A5.4 Distribution of Prenatal and Postnatal Care Characteristics for Mothers of Chinese Ancestry by Maternal Birthplace: Massachusetts 1998-1999.

BIRTHPLACE:	CHINESE						Total ¹	White Non-Hispanic
	People's Republic	Taiwan	Hong Kong	Vietnam	U.S.	Other		
Number of Births	1,363	166	174	115	288	128	2,250	119,636
Adequate prenatal care ²	1,079	144	148	87	240	97	1,808	99,274
Payment source ³								
private	954	159	153	80	265	113	1,735	98,300
public	395	9	17	35	20	13	489	19,277
self	5	0	2	0	2	0	10	579
Site of care								
physician's office	671	130	110	58	226	88	1,296	98,865
hospital clinic	193	12	21	18	24	17	286	7,989
community health center	343	5	15	28	3	9	403	2,318
HMO/other	145	17	26	11	24	12	236	8,380
Breastfeeding ⁴								
yes	1,073	161	133	73	251	106	1,811	84,877
no	286	5	40	42	37	22	433	34,157
Pediatric provider named?								
yes	1,017	159	152	91	278	123	1,836	117,305
no	346	7	22	24	10	5	414	2,331

¹ Totals include 82 mothers of Chinese ancestry whose place of birth is unknown.

² Adequate prenatal care: See technical notes for definition of adequacy of care.

³ Payment Source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, free care, other government source of payment

Self = Self-pay

⁴ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table A6.1 Percent Distribution of Infant Characteristics by Mother's Ethnicity: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	Korean	Filipino	Japanese	Laotian	Pakistani	Thai	White Non-Hispanic
Number of Births	2,250	1,270	1,067	1,329	498	397	331	175	218	81	119,636
Birthweight (g)											
< 1,500	0.8	0.9	0.8	1.1	-- ¹	2.0	-- ¹	-- ¹	2.8	0.0	1.1
1,500 - 2,499	4.9	5.7	8.5	8.6	4.0	7.1	8.5	6.9	4.6	11.1	5.1
2,500 - 3,999	87.3	88.7	88.0	85.8	88.2	83.4	84.8	89.7	89.9	87.7	80.3
4,000+	6.9	4.6	2.6	4.5	7.0	7.6	6.4	-- ¹	2.8	-- ¹	13.5
Gestational age (weeks)											
< 37	6.2	7.0	8.1	7.1	5.8	10.4	4.9	5.7	7.8	14.8	6.9
37 -42	93.5	92.6	91.9	92.9	93.8	89.6	95.1	94.3	92.2	85.2	92.9
43+	0.2	-- ¹	0.0	0.0	-- ¹	0.0	0.0	0.0	0.0	0.0	0.1
Sex of infant: female	49.4	50.4	49.0	46.0	46.0	51.4	47.7	50.3	43.6	40.7	48.7
Abnormal condition of newborn jaundice	11.0	11.5	14.2	12.1	15.3	14.4	13.0	16.0	14.2	21.0	12.2
	6.5	6.0	4.0	5.2	9.9	9.4	7.3	-- ¹	9.6	9.9	4.7

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Table A6.2 Distribution of Infant Characteristics by Mother's Ethnicity: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	Korean	Filipino	Japanese	Laotian	Pakistani	Thai	White Non-Hispanic
Number of Births	2,250	1,270	1,067	1,329	498	397	331	175	218	81	119,636
Birthweight (g)											
< 1,500	19	12	9	15	4	8	1	2	6	0	1,268
1,500 - 2,499	111	73	91	113	20	28	28	12	10	9	6,138
2,500 - 3,999	1,962	1,127	938	1,131	439	331	279	157	196	71	95,913
4,000+	156	58	28	59	35	30	21	4	6	1	16,129
Gestational age (weeks)											
< 37	140	89	86	94	29	41	16	10	17	12	8,276
37 -42	2,099	1,172	981	1,222	466	353	313	165	200	69	110,838
43+	5	4	0	0	2	0	0	0	0	0	158
Sex of infant: female	1,111	640	523	612	229	204	158	88	95	33	58,289
Abnormal condition of newborn											
jaundice	247	146	151	161	76	57	43	28	31	17	14,649
	145	76	42	69	49	37	24	2	21	8	5,550

Note: Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table A6.3 Percent Distribution of Infant Health Characteristics for Mothers of Chinese Ancestry by Maternal Birthplace: Massachusetts 1998-1999.

BIRTHPLACE:	<u>CHINESE</u>						Total ¹	White Non-Hispanic
	People's Republic	Taiwan	Hong Kong	Vietnam	U.S.	Other		
Number of Births	1,363	166	174	115	288	128	2,250	119,636
Birthweight (g) ²								
< 1,500	0.7	-- ²	2.9	0.0	-- ²	-- ²	0.8	1.1
1,500 - 2,499	4.0	3.6	6.3	6.1	6.6	10.2	4.9	5.1
2,500 - 3,999	88.7	87.3	87.4	89.6	81.6	84.4	87.3	80.3
4,000+	6.6	8.4	3.4	4.3	10.8	4.7	6.9	13.5
Gestational age (weeks)								
< 37	5.0	4.2	9.8	8.7	8.0	11.7	6.2	6.9
37 -42	94.8	95.8	90.2	91.3	91.3	87.5	93.5	92.9
43+	-- ²	0.0	0.0	0.0	-- ²	-- ²	0.2	0.1
Sex of infant: female	48.5	51.2	50.0	51.3	57.3	37.5	49.4	48.7
Abnormal condition of newborn jaundice	10.2	11.4	11.5	5.2	13.5	17.2	11.0	12.2
	6.5	7.2	5.2	-- ²	7.3	8.6	6.5	4.7

¹ Totals include 92 mothers of Chinese ancestry whose place of birth is unknown.

² Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Table A6.4 Distribution of Infant Health Characteristics for Mothers of Chinese Ancestry by Maternal Birthplace: Massachusetts 1998-1999.

BIRTHPLACE:	<u>CHINESE</u>							Total ¹	White Non-Hispanic
	People's Republic	Taiwan	Hong Kong	Vietnam	U.S.	Other			
Number of Births	1,363	166	174	115	288	128	2,250	119,636	
Birthweight (g)									
< 1,500	9	1	5	0	3	1	19	1,268	
1,500 - 2,499	55	6	11	7	19	13	111	6,138	
2,500 - 3,999	1,207	145	152	103	235	108	1,962	95,913	
4,000+	90	14	6	5	31	6	156	16,129	
Gestational age (weeks)									
< 37	68	7	17	10	23	15	140	8,276	
37 -42	1,288	159	157	105	263	112	2,099	110,838	
43+	2	0	0	0	2	1	5	158	
Sex of infant: female	661	85	87	59	165	48	1,111	58,289	
Abnormal condition of newborn	139	19	20	6	39	22	247	14,649	
jaundice	89	12	9	2	21	11	145	5,550	

¹ Totals include 92 mothers of Chinese ancestry whose place of birth is unknown.

Note: Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

**Table A6.5 Number and Percent Low Birthweight by Ethnicity:
Massachusetts 1998-1999.**

Race/ethnicity group	Birthweight			
	<1500 ¹ (g)		<2500 ² (g)	
	Percent	Number	Percent	Number
Chinese: Total	0.8	19	5.8	130
Chinese by Birthplace:				
People's Republic	0.7	9	4.7	64
Taiwan	-- ³	1	4.2	7
Hong Kong	2.9	5	9.2	16
Vietnam	0.0	0	6.1	7
U.S.	-- ³	3	7.6	22
Other	-- ³	1	10.9	14
Vietnamese	0.9	12	6.7	85
Cambodian	0.8	9	9.4	100
Asian Indian	1.1	15	9.7	128
Korean	-- ³	4	4.8	24
Filipino	2.0	8	9.1	36
Japanese	-- ³	1	8.8	29
Laotian	-- ³	2	8.0	14
Pakistani	2.8	6	7.3	16
Thai	0.0	0	11.1	9
White Non-Hispanic	1.1	1,268	6.2	7,406

¹ An infant weighing less than 1500 grams (3.3 lbs) at birth is defined as very low birthweight.

² An infant weighing less than 2500 grams (5.5 lbs) at birth is defined as low birthweight.

³ Percentages based on fewer than five events are excluded.

Note: Percentages are calculated based only on those births with known birthweight.

Table A6.6 Percent Distribution of Low Birthweight Infants by Demographic Characteristics of Mothers by Ethnicity: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	White Non- Hispanic
Low birthweight infants	130	85	100	128	7,406
Age, in years					
<18	0.0	-- ¹	20.0	0.0	1.7
18-19	-- ¹	-- ¹	10.0	-- ¹	3.6
20-24	6.2	22.4	19.0	7.0	10.7
25-29	8.5	32.9	20.0	41.4	23.2
30-34	40.8	24.7	16.0	38.3	34.4
35-39	32.3	10.6	9.0	11.7	21.1
40+	10.8	-- ¹	6.0	-- ¹	5.4
Education completed ²					
less than high school	8.6	43.6	41.4	-- ¹	5.7
high school	18.8	25.6	38.6	10.2	26.6
some college	18.0	17.9	12.9	8.7	25.9
college graduate	26.6	9.0	7.1	37.8	27.4
more than college	28.1	-- ¹	0.0	40.9	14.4
Marital status					
married	94.6	68.2	45.0	97.7	76.8
not married	5.4	31.8	55.0	-- ¹	23.2
Language preference					
English	58.5	47.1	49.0	87.5	98.1
Cambodian	-- ¹	0.0	48.0	0.0	0.0
Cantonese	20.0	0.0	0.0	0.0	0.0
Mandarin	13.8	0.0	0.0	0.0	0.0
Vietnamese	0.0	51.8	-- ¹	0.0	0.0
Other	6.9	-- ¹	-- ¹	12.5	1.9

¹ Percentages based on fewer than five events are excluded.

² Women 20 years of age and older.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Table A6.7 Number of Low Birthweight Infants by Demographic Characteristics of Mothers by Ethnicity: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	White Non-Hispanic
Low birthweight infants	130	85	100	128	7,406
Age, in years					
<18	0	2	20	0	124
18-19	2	3	10	1	263
20-24	8	19	19	9	794
25-29	11	28	20	53	1,719
30-34	53	21	16	49	2,545
35-39	42	9	9	15	1,560
40+	14	3	6	1	401
Education completed ¹					
less than high school	11	34	29	3	400
high school	24	20	27	13	1,865
some college	23	14	9	11	1,819
college graduate	34	7	5	48	1,924
more than college	36	3	0	52	1,007
Marital status					
married	123	58	45	125	5,687
not married	7	27	55	3	1,717
Language preference					
English	76	40	49	112	7,265
Cambodian	1	0	48	0	0
Cantonese	26	0	0	0	0
Mandarin	18	0	0	0	0
Vietnamese	0	44	1	0	0
Other	9	1	2	16	141

¹ Women 20 years of age and older.

Note: Groups with fewer than 30 low birthweight infants are excluded.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table A6.8 Percent Distribution of Low Birthweight Infants by Maternal Risk Factors by Ethnicity: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	White Non-Hispanic
Low birthweight infants	130	85	100	128	7,406
Parity					
1	42.3	51.8	54.0	68.8	46.9
2-3	52.3	41.2	28.0	29.7	45.8
4+	5.4	7.1	18.0	-- ¹	7.4
Singleton birth	63.8	84.7	83.0	78.1	62.5
Multiple birth	36.2	15.3	17.0	21.9	37.5
Smoking prior to pregnancy					
yes	-- ¹	-- ¹	8.0	-- ¹	26.3
no	98.5	98.8	92.0	98.4	73.7
Smoking during pregnancy					
yes	0.0	0.0	-- ¹	-- ¹	19.3
no	100.0	100.0	96.0	99.2	80.7
Cesarean section ²					
yes	38.5	21.4	29.0	28.9	44.1
no	61.5	78.6	71.0	71.1	55.9
Previous preterm or small for gestational age infant					
yes	-- ¹	-- ¹	-- ¹	-- ¹	2.4
no	97.7	96.4	96.0	97.7	97.6

¹ Percentages based on fewer than five events are excluded.

² Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Table A6.9 Number of Low Birthweight Infants by Maternal Risk Factors by Ethnicity: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	White Non-Hispanic
Low birthweight infants	130	85	100	128	7,406
Parity					
1	55	44	54	88	3,472
2-3	68	35	28	38	3,389
4+	7	6	18	2	545
Singleton birth	83	72	83	100	4,627
Multiple birth	47	13	17	28	2,779
					7,406
Smoking prior to pregnancy					
yes	2	1	8	2	1,945
no	128	84	92	126	5,452
Smoking during pregnancy					
yes	0	0	4	1	1,429
no	130	85	96	127	5,973
Cesarean section ¹					
yes	50	18	29	37	3,249
no	80	66	71	91	4,124
Previous preterm or small for gestational age infant					
yes	3	3	4	3	178
no	127	81	96	125	7,171

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

Note: Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table A6.10 Percent Distribution of Low Birthweight Infants by Prenatal and Postnatal Care Characteristics of Mother by Ethnicity: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	White Non-Hispanic
Low birthweight infants	130	85	100	128	7,406
Adequacy of prenatal care ¹	75.2	69.1	44.8	77.3	79.9
Payment source ²					
private	77.7	51.8	40.0	93.0	79.2
public	21.5	43.5	59.0	6.3	19.7
self	0.0	-- ³	-- ³	-- ³	0.4
Site of Care					
physician's office	53.5	38.3	37.9	74.8	77.8
hospital clinic	15.5	24.7	36.8	13.4	12.1
community health center	16.3	29.6	14.7	-- ³	2.3
HMO/other	14.7	7.4	10.5	11.0	7.8
Breastfeeding ⁴					
yes	74.6	58.8	45.0	88.3	62.3
no	25.4	41.2	55.0	11.7	37.7
Pediatric provider named					
yes	83.1	90.6	100.0	91.4	93.6
no	16.9	9.4	0.0	8.6	6.4

¹ See technical notes for definition of adequacy of prenatal care.

² Payment Source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, free care, other government source of payment

Self = Self-pay

³ Percentages based on fewer than five events are excluded.

⁴ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Table A6.11 Number of Low Birthweight Infants by Prenatal and Postnatal Care Characteristics of Mother by Ethnicity: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	White Non- Hispanic
Low birthweight infants	130	85	100	128	7,406
Adequacy of prenatal care ¹	97	56	43	99	5,851
Payment source ²					
private	101	44	40	119	5,849
public	28	37	59	8	1,452
self	0	2	1	1	31
Site of Care					
physician's office	69	31	36	95	5,641
hospital clinic	20	20	35	17	879
community health center	21	24	14	1	164
HMO/other	19	6	10	14	567
Breastfeeding ³					
yes	97	50	45	113	4,596
no	33	35	55	15	2,784
Pediatric provider named					
yes	108	77	100	117	6,934
no	22	8	0	11	472

¹ See technical notes for definition of adequacy of prenatal care. Excludes cases with unknown adequacy.

² Payment Source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, free care, other government source of payment

Self = Self-pay

³ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table A6.12 Percent Distribution of Low Birthweight Infants by Infant Characteristics According to Ethnicity: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	White Non-Hispanic
Low birthweight infants	130	85	100	128	7,406
Birthweight (g)					
< 1,500	14.6	14.1	9.0	11.7	17.1
1,500 - 2,499	85.4	85.9	91.0	88.3	82.9
Gestational age (weeks)					
< 37	65.4	54.1	52.0	50.8	67.1
37 -42	34.6	45.9	48.0	49.2	32.9
43+	0.0	0.0	0.0	0.0	--
Sex of infant: female	46.9	56.5	47.0	46.9	52.0
Abnormal condition of newborn	35.4	40.0	46.0	37.5	43.0
jaundice	20.8	20.0	15.0	17.2	21.9

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Table A6.13 Number of Low Birthweight Infants by Infant Characteristics According to Ethnicity: Massachusetts 1998-1999.

	Chinese	Vietnamese	Cambodian	Asian Indian	White Non- Hispanic
Low birthweight infants	130	85	100	128	7,406
Birthweight (g)					
< 1,500	19	12	9	15	1,268
1,500 - 2,499	111	73	91	113	6,138
Gestational age (weeks)					
< 37	85	46	52	65	4,953
37 -42	45	39	48	63	2,428
43+	0	0	0	0	2
Sex of infant: female	61	48	47	60	3,854
Abnormal condition of newborn	46	34	46	48	3,185
jaundice	27	17	15	22	1,607

Note: Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

II. Community Data Tables

Notes:

1. Includes cities and towns with 100 or more Asian births from 1996-1997.
2. Ancestry categories included for each community table are those with >70 births from 1996-1997.
3. "All Asians" category includes the following ancestries: Chinese, Vietnamese, Cambodian, Asian Indian, Korean, Filipino, Japanese, Laotian, Pakistani, and Thai.

Table B1.1 Mother's Demographic Characteristics by Ethnicity: Boston 1998-1999.

	Chinese		Vietnamese		All Asians		White Non-Hispanic ¹	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of Births	386	100	371	100	1,039	100	5,576	100
U.S. born	28	7.3	3	-- ²	52	5.0	4,568	81.9
Age, in years								
<18	1	-- ²	6	1.6	11	1.1	70	1.3
18-19	1	-- ²	16	4.3	23	2.2	161	2.9
20-24	35	9.1	84	22.6	151	14.5	592	10.6
25-29	110	28.5	145	39.1	347	33.4	1,401	25.1
30-34	139	36.0	85	22.9	321	30.9	2,045	36.7
35-39	82	21.2	27	7.3	151	14.5	1,042	18.7
40+	18	4.7	8	2.2	35	3.4	265	4.8
Education completed ³								
less than high school	94	24.5	133	38.1	245	24.4	210	3.9
high school	126	32.8	126	36.1	297	29.6	1,229	23.0
some college	50	13.0	60	17.2	145	14.4	1,075	20.1
college graduate	55	14.3	26	7.4	184	18.3	1,685	31.5
more than college	59	15.4	4	-- ²	134	13.3	1,144	21.4
Marital status								
married	362	93.8	249	67.1	856	82.4	4,396	78.9
not married	24	6.2	122	32.9	183	17.6	1,178	21.1
Language preference								
English	120	31.1	109	29.4	428	41.2	5,276	94.6
Cambodian	2	-- ²	0	0.0	13	1.3	0	0.0
Cantonese	185	47.9	1	-- ²	187	18.0	0	0.0
Lao	0	0.0	0	0.0	1	-- ²	0	0.0
Mandarin	45	11.7	0	0.0	46	4.4	0	0.0
Vietnamese	2	-- ²	256	69.0	259	24.9	0	0.0
Other / Unknown	32	8.3	5	1.3	105	10.1	300	5.4

¹ White Non-Hispanic group excludes women of Asian ancestry.

² Percentages based on fewer than five events are excluded.

³ Women 20 years of age and older.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B1.2 Maternal Risk Factors by Ethnicity: Boston 1998-1999.

	Chinese		Vietnamese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of Births	386	100	371	100	1,039	100	5,576	100
Cesarean section ¹								
yes	57	14.8	57	15.4	153	14.7	1,144	20.5
no	329	85.2	314	84.6	885	85.3	4,426	79.5
Previous preterm or small for gestational age infant								
yes	2	-- ²	1	-- ²	4	-- ²	22	0.4
no	383	99.5	370	99.7	1,032	99.6	5,536	99.6
Adequate prenatal care ³	309	80.1	250	67.8	785	75.9	4,724	85.0
Payment source ⁴								
private	192	49.9	167	45.0	573	55.2	4,363	78.4
public	188	48.8	201	54.2	448	43.2	1,147	20.6
self	3	-- ²	2	-- ²	11	1.1	33	0.6

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Percentages based on fewer than five events are excluded.

³ Adequate prenatal care: See technical notes for definition of adequacy of care.

⁴ Payment source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, Other Government

Self = Self-pay

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B1.2 continued. Maternal Risk Factors by Ethnicity: Boston 1998-1999.

	Chinese		Vietnamese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Parity								
1	195	50.5	193	52.0	560	53.9	3,069	55.0
2-3	180	46.6	161	43.4	443	42.6	2,221	39.8
4+	11	2.8	17	4.6	36	3.5	286	5.1
Smoking prior to pregnancy								
yes	6	1.6	7	1.9	25	2.4	934	16.8
no	380	98.4	364	98.1	1014	97.6	4,639	83.2
Smoking during pregnancy								
yes	3	0.8	5	1.4	14	1.3	594	10.7
no	383	99.2	365	98.6	1024	98.7	4,979	89.3
Site of care								
physician's office	110	28.6	72	19.5	313	30.3	3,029	55.0
hospital clinic	79	20.5	84	22.8	242	23.4	1,206	21.9
community health center	169	43.9	189	51.2	383	37.1	684	12.4
HMO/other	27	7.0	24	6.5	95	9.2	586	10.6
Breastfeeding ⁵								
yes	272	70.5	204	55.0	730	70.3	4,168	74.9
no	114	29.5	167	45.0	309	29.7	1,398	25.1
Pediatric provider named?								
yes	237	61.4	341	91.9	847	81.5	5,363	96.2
no	149	38.6	30	8.1	192	18.5	213	3.8

⁵ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B1.3 Infant Health Characteristics by Ethnicity: Boston 1998-1999.

	Chinese		Vietnamese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of Births	386	100	371	100	1,039	100	5,576	100
Birthweight (g)								
< 1500	2	-- ¹	4	-- ¹	8	0.8	57	1.0
1500-2499	21	5.4	18	4.9	61	5.9	296	5.3
2500-3999	339	87.8	334	90.0	924	88.9	4,496	80.7
4000+	24	6.2	15	4.0	46	4.4	722	13.0
Gestational age (weeks)								
< 37	24	6.2	29	7.8	76	7.3	412	7.4
37-42	360	93.5	337	91.1	955	92.2	5,138	92.4
43+	1	-- ¹	4	-- ¹	5	0.5	12	0.2
Sex of infant: female	188	48.7	191	51.5	527	50.7	2,700	48.4
Abnormal condition of newborn								
jaundice	30	7.8	50	13.5	124	11.9	719	12.9
	14	3.6	32	8.6	71	6.9	319	5.7

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B2.1 Mother's Demographic Characteristics by Ethnicity: Lowell 1998-1999.

	Cambodian		Asian Indian		Laotian		All Asians		White Non-Hispanic ¹	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of Births	547	100	113	100	65	100	833	100	1,703	100
U.S. born	23	4.2	2	-- ²	7	10.8	41	4.9	1,586	93.1
Age, in years										
<18	64	11.7	0	0.0	9	13.8	79	9.5	47	2.8
18-19	49	9.0	1	-- ²	6	9.2	63	7.6	118	6.9
20-24	143	26.1	22	19.5	20	30.8	208	25.0	405	23.8
25-29	143	26.1	64	56.6	17	26.2	258	31.0	563	33.1
30-34	82	15.0	23	20.4	6	9.2	139	16.7	372	21.8
35-39	52	9.5	3	-- ²	7	10.8	69	8.3	157	9.2
40+	14	2.6	0	0.0	0	0.0	17	2.0	41	2.4
Education completed ³										
less than high school	192	44.3	2	-- ²	12	24.0	223	32.4	170	11.1
high school	146	33.7	8	7.2	25	50.0	201	29.2	600	39.1
some college	74	17.1	13	11.7	10	20.0	120	17.4	466	30.3
college graduate	17	3.9	59	53.2	2	-- ²	106	15.4	231	15.0
more than college	4	-- ²	29	26.1	1	-- ²	38	5.5	69	4.5
Marital status										
married	210	38.4	109	96.5	29	44.6	426	51.1	1,022	60.0
not married	337	61.6	4	-- ²	36	55.4	407	48.9	680	40.0
Language preference										
English	193	35.3	77	68.1	35	53.8	356	42.7	1,650	96.9
Cambodian	348	63.6	0	0.0	0	0.0	351	42.1	0	0.0
Cantonese	0	0.0	0	0.0	0	0.0	5	0.6	0	0.0
Lao	1	-- ²	0	0.0	30	46.2	32	3.8	0	0.0
Mandarin	0	0.0	0	0.0	0	0.0	8	1.0	0	0.0
Vietnamese	2	0.4	0	0.0	0	0.0	32	3.8	0	0.0
Other / Unknown	3	0.5	36	31.9	0	0.0	49	5.9	53	3.1

¹ White Non-Hispanic group excludes women of Asian ancestry.

² Percentages based on fewer than five events are excluded.

³ Women 20 years of age and older.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B2.2 Maternal Risk Factors by Ethnicity: Lowell 1998-1999.

	Cambodian		Asian Indian		Laotian		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of Births	547	100	113	100	65	100	833	100	1,703	100
Cesarean section ¹										
yes	62	11.3	27	24.1	7	10.8	111	13.3	395	23.2
no	485	88.7	85	75.9	58	89.2	721	86.7	1,308	76.8
Previous preterm or small for gestational age infant										
yes	6	1.1	0	0.0	1	-- ²	7	0.8	23	1.4
no	540	98.9	113	100.0	64	98.5	825	99.2	1,678	98.6
Adequate prenatal care ³	210	38.7	69	61.1	33	51.6	371	44.9	1,152	68.2
Payment source ⁴										
private	240	43.9	104	92.0	37	56.9	463	55.6	1,006	59.8
public	302	55.2	8	7.1	28	43.1	363	43.6	659	39.2
self	1	-- ²	1	-- ²	0	0.0	2	-- ²	2	-- ²

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Percentages based on fewer than five events are excluded.

³ Adequate prenatal care: See technical notes for definition of adequacy of care.

⁴ Payment source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, Other Government

Self = Self-pay

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B2.2 continued. Maternal Risk Factors by Ethnicity: Lowell 1998-1999.

	Cambodian		Asian Indian		Laotian		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Parity										
1	212	38.8	76	67.3	34	52.3	383	46.0	744	43.7
2-3	205	37.5	37	32.7	26	40.0	313	37.6	808	47.4
4+	130	23.8	0	0.0	5	7.7	137	16.4	151	8.9
Smoking prior to pregnancy										
yes	23	4.2	0	0.0	6	9.2	33	4.0	630	37.0
no	523	95.8	112	100.0	59	90.8	797	96.0	1,072	63.0
Smoking during pregnancy										
yes	13	2.4	0	0.0	5	7.7	22	2.7	423	24.9
no	533	97.6	112	100.0	60	92.3	808	97.3	1,278	75.1
Site of care										
physician's office	270	49.7	83	73.5	36	56.3	465	56.2	1,193	71.6
hospital clinic	225	41.4	19	16.8	20	31.3	284	34.3	331	19.9
community health center	2	-- ²	0	0.0	1	-- ²	4	-- ²	6	0.4
HMO/other	46	8.5	11	9.7	7	10.9	74	8.9	136	8.2
Breastfeeding ⁵										
yes	225	41.1	108	96.4	29	44.6	429	51.6	891	52.9
no	322	58.9	4	3.6	36	55.4	403	48.4	792	47.1
Pediatric provider named?										
yes	547	100.0	113	100.0	65	100.0	833	100.0	1,677	98.5
no	0	0.0	0	0.0	0	0.0	0	0.0	26	1.5

⁵ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B2.3 Infant Health Characteristics by Ethnicity: Lowell 1998-1999

	Cambodian		Asian Indian		Laotian		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of Births	547	100	113	100	65	100	833	100	1,703	100
Birthweight (g)										
< 1500	5	0.9	1	-- ¹	2	-- ¹	8	1.0	34	2.0
1500-2499	54	9.9	15	13.4	6	9.2	82	9.9	101	5.9
2500-3999	476	87.2	94	83.9	57	87.7	723	87.0	1,371	80.7
4000+	11	2.0	2	-- ¹	0	0.0	18	2.2	193	11.4
Gestational age (weeks)										
< 37	44	8.0	11	9.7	7	10.8	73	8.8	130	7.7
37-42	503	92.0	102	90.3	58	89.2	759	91.2	1,568	92.3
43+	0	-- ¹	0	0.0	0	0.0	0	0.0	1	-- ¹
Sex of infant: female	280	51.2	55	48.7	33	50.8	424	50.9	824	48.4
Abnormal condition of newborn										
jaundice	107	19.6	24	21.2	17	26.2	166	19.9	312	18.3
	27	5.0	7	6.2	0	0.0	38	4.6	55	3.3

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B3.1 Mother's Demographic Characteristics by Ethnicity: Quincy 1998-1999.

	Chinese		All Asians		White Non-Hispanic ¹	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	248	100	405	100	1,589	100
U.S. born	7	2.8	9	2.2	1,387	87.3
Age, in years						
<18	1	-- ²	1	-- ²	22	1.4
18-19	1	-- ²	3	-- ²	43	2.7
20-24	18	7.3	44	10.9	162	10.2
25-29	77	31.0	140	34.6	452	28.4
30-34	88	35.5	130	32.1	552	34.7
35-39	57	23.0	77	19.0	298	18.8
40+	6	2.4	10	2.5	60	3.8
Education completed ³						
less than high school	39	15.9	64	16.0	49	3.2
high school	89	36.2	122	30.4	394	25.9
some college	57	23.2	87	21.7	460	30.2
college graduate	49	19.9	98	24.4	457	30.0
more than college	12	4.9	30	7.5	163	10.7
Marital status						
married	230	92.7	367	90.6	1,261	79.4
not married	18	7.3	38	9.4	328	20.6
Language preference						
English	78	31.5	174	43.0	1,559	98.1
Cambodian	0	0.0	2	-- ²	0	0.0
Cantonese	125	50.4	127	31.4	0	0.0
Mandarin	28	11.3	28	6.9	0	0.0
Vietnamese	0	0.0	45	11.1	0	0.0
Other / Unknown	17	6.9	29	7.2	30	1.9

¹ White Non-Hispanic group excludes women of Asian ancestry.

² Percentages based on fewer than five events are excluded.

³ Women 20 years of age and older.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B3.2 Maternal Risk Factors by Ethnicity: Quincy 1998-1999.

	Chinese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	248	100	405	100	1,589	100
Cesarean section ¹						
yes	52	21.0	83	20.5	401	25.3
no	196	79.0	322	79.5	1,187	74.7
Previous preterm or small for gestational age infant						
yes	0	0.0	2	-- ²	9	0.6
no	248	100.0	403	99.5	1,578	99.4
Adequate prenatal care ³	196	79.4	328	81.2	1,415	89.3
Payment source ⁴						
private	154	62.1	275	67.9	1,291	81.3
public	94	37.9	129	31.9	282	17.8
self	0	0.0	1	-- ²	7	0.4

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Percentages based on fewer than five events are excluded.

³ Adequate prenatal care: See technical notes for definition of adequacy of care.

⁴ Payment source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, Other Government

Self = Self-pay

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B3.2 continued. Maternal Risk Factors by Ethnicity: Quincy 1998-1999.

	Chinese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Parity						
1	133	53.6	220	54.3	815	51.3
2-3	112	45.2	179	44.2	676	42.5
4+	3	-- ²	6	1.5	98	6.2
Smoking prior to pregnancy						
yes	4	-- ²	6	1.5	355	22.3
no	244	98.4	399	98.5	1,234	77.7
Smoking during pregnancy						
yes	1	-- ²	2	-- ²	207	13.0
no	247	99.6	403	99.5	1,382	87.0
Site of care						
physician's office	74	30.0	158	39.1	1,084	68.7
hospital clinic	52	21.1	81	20.0	231	14.6
community health center	97	39.3	119	29.5	102	6.5
HMO/other	24	9.7	46	11.4	160	10.1
Breastfeeding ⁵						
yes	154	62.1	278	68.6	1,050	66.2
no	94	37.9	127	31.4	537	33.8
Pediatric provider named?						
yes	144	58.1	291	71.9	1,534	96.5
no	104	41.9	114	28.1	55	3.5

⁵ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B3.3 Infant Health Characteristics by Ethnicity: Quincy 1998-1999.

	Chinese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	248	100	405	100	1,589	100
Birthweight (g)						
< 1500	3	-- ¹	4	-- ¹	17	1.1
1500-2499	16	6.5	29	7.2	77	4.8
2500-3999	217	87.5	342	84.7	1,251	78.7
4000+	12	4.8	29	7.2	244	15.4
Gestational age (weeks)						
< 37	15	6.0	32	7.9	106	6.7
37-42	233	94.0	372	92.1	1,474	92.8
43+	0	0.0	0	0.0	6	0.4
Sex of infant: female	128	51.6	201	49.6	800	50.3
Abnormal condition of newborn						
jaundice	16	4.4	40	9.9	154	9.7
	8	4.4	20	4.9	69	4.3

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

**Table B4.1 Mother's Demographic Characteristics by Ethnicity:
Worcester 1998-1999.**

	Vietnamese		All Asians		White Non-Hispanic ¹	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	212	100	345	100	2,755	100
U.S. born	5	2.4	9	2.6	2,507	91.0
Age, in years						
<18	11	5.2	12	3.5	73	2.6
18-19	4	-- ²	10	2.9	167	6.1
20-24	50	23.6	69	20.0	593	21.5
25-29	77	36.3	119	34.5	845	30.7
30-34	49	23.1	84	24.3	706	25.6
35-39	17	8.0	42	12.2	312	11.3
40+	4	-- ²	9	2.6	59	2.1
Education completed ³						
less than high school	72	36.9	83	25.9	214	8.5
high school	74	37.9	99	30.8	803	31.9
some college	37	19.0	66	20.6	735	29.2
college graduate	11	5.6	42	13.1	547	21.8
more than college	1	-- ²	31	9.7	215	8.6
Marital status						
married	147	69.3	261	75.7	1,833	66.5
not married	65	30.7	84	24.3	922	33.5
Language preference						
English	152	71.7	273	79.1	2,724	98.9
Cambodian	0	0.0	1	-- ²	0	0.0
Cantonese	0	0.0	5	1.4	0	0.0
Lao	0	0.0	1	-- ²	0	0.0
Mandarin	0	0.0	0	0.0	0	0.0
Vietnamese	60	28.3	60	17.4	0	0.0
Other / Unknown	0	0.0	5	1.4	31	1.1

¹ White Non-Hispanic group excludes women of Asian ancestry.

² Percentages based on fewer than five events are excluded.

³ Women 20 years of age and older.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B4.2 Maternal Risk Factors by Ethnicity: Worcester 1998-1999.

	Vietnamese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	212	100	345	100	2,755	100
Cesarean section ¹						
yes	28	13.2	43	12.5	507	18.4
no	184	86.8	302	87.5	2,248	81.6
Previous preterm or small for gestational age infant						
yes	3	-- ²	5	1.5	26	0.9
no	208	98.6	339	98.5	2,726	99.1
Adequate prenatal care ³	133	63.3	220	64.1	1,924	70.1
Payment source ⁴						
private	123	58.3	234	68.0	1,900	69.0
public	87	41.2	108	31.4	830	30.2
self	0	0.0	1	-- ²	10	0.4

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Percentages based on fewer than five events are excluded.

³ Adequate prenatal care: See technical notes for definition of adequacy of care.

⁴ Payment source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, Other Government

Self = Self-pay

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B4.2 continued. Maternal Risk Factors by Ethnicity: Worcester 1998-1999.

	Vietnamese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Parity						
1	101	47.6	163	47.2	1,209	43.9
2-3	86	40.6	146	42.3	1,317	47.8
4+	25	11.8	36	10.4	229	8.3
Smoking prior to pregnancy						
yes	7	3.3	11	3.2	961	34.9
no	205	96.7	334	96.8	1,793	65.1
Smoking during pregnancy						
yes	5	2.4	7	2.0	638	23.2
no	207	97.6	338	98.0	2,116	76.8
Site of care						
physician's office	83	39.7	170	49.7	1,884	68.7
hospital clinic	42	20.1	55	16.1	325	11.9
community health center	38	18.2	48	14.0	139	5.1
HMO/other	46	22.0	69	20.2	393	14.3
Breastfeeding ⁵						
yes	89	42.0	193	55.9	1,710	62.1
no	123	58.0	152	44.1	1,044	37.9
Pediatric provider named?						
yes	211	99.5	343	99.4	2,742	99.5
no	1	-- ²	2	-- ²	13	0.5

⁵ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B4.3 Infant Health Characteristics by Ethnicity: Worcester 1998-1999.

	Vietnamese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	212	100	345	100	2,755	100
Birthweight (g)						
< 1500	3	-- ¹	6	1.7	39	1.4
1500-2499	13	6.1	19	5.5	150	5.4
2500-3999	193	91.0	313	90.7	2,238	81.2
4000+	3	-- ¹	7	2.0	328	11.9
Gestational age (weeks)						
< 37	14	6.6	26	7.6	197	7.2
37-42	197	93.4	318	92.4	2,553	92.8
43+	0	0.0	0	0.0	2	-- ¹
Sex of infant: female	109	51.4	174	50.4	1,342	48.7
Abnormal condition of newborn	31	14.6	56	16.2	397	14.4
jaundice	13	6.2	28	8.1	133	4.8

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B5.1 Mother's Demographic Characteristics by Ethnicity: Malden 1998-1999.

	Chinese		All Asians		White Non-Hispanic ¹	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	157	100	295	100	918	100
U.S. born	5	3.2	7	2.4	771	84.0
Age, in years						
<18	0	0.0	0	0.0	8	0.9
18-19	1	-- ²	4	-- ²	26	2.8
20-24	12	7.6	29	9.8	115	12.5
25-29	48	30.6	101	34.2	290	31.6
30-34	61	38.9	114	38.6	307	33.4
35-39	34	21.7	41	13.9	142	15.5
40+	1	-- ²	6	2.0	30	3.3
Education completed ³						
less than high school	34	21.8	47	16.2	37	4.2
high school	37	23.7	62	21.3	302	34.2
some college	26	16.7	46	15.8	256	29.0
college graduate	32	20.5	84	28.9	199	22.5
more than college	27	17.3	52	17.9	90	10.2
Marital status						
married	147	93.6	277	93.9	713	77.8
not married	10	6.4	18	6.1	204	22.2
Language preference						
English	49	31.2	133	45.1	857	93.4
Cambodian	0	0.0	2	-- ²	0	0.0
Cantonese	76	48.4	78	26.4	0	0.0
Mandarin	16	10.2	16	5.4	0	0.0
Vietnamese	4	-- ²	32	10.8	0	0.0
Other / Unknown	12	7.6	34	11.5	61	6.6

¹ White Non-Hispanic group excludes women of Asian ancestry.

² Percentages based on fewer than five events are excluded.

³ Women 20 years of age and older.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B5.2 Maternal Risk Factors by Ethnicity: Malden 1998-1999.

	Chinese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	157	100	295	100	918	100
Cesarean section ¹						
yes	30	19.1	65	22.0	241	26.3
no	127	80.9	230	78.0	676	73.7
Previous preterm or small for gestational age infant						
yes	1	-- ²	1	-- ²	10	1.1
no	156	99.4	294	99.7	905	98.9
Adequate prenatal care ²	124	80.0	236	80.5	746	81.8
Payment source ³						
private	97	61.8	209	70.8	719	78.8
public	59	37.6	83	28.1	188	20.6
self	0	0.0	1	-- ²	5	0.5

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Percentages based on fewer than five events are excluded.

³ Adequate prenatal care: See technical notes for definition of adequacy of care.

⁴ Payment source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, Other Government

Self = Self-pay

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B5.2 continued. Maternal Risk Factors by Ethnicity: Malden 1998-1999.

	Chinese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Parity						
1	93	59.2	179	60.7	448	48.8
2-3	63	40.1	112	38.0	418	45.5
4+	1	-- ²	4	-- ²	52	5.7
Smoking prior to pregnancy						
yes	1	-- ²	6	2.0	234	25.5
no	156	99.4	289	98.0	684	74.5
Smoking during pregnancy						
yes	0	0.0	0	0.0	125	13.6
no	157	100.0	295	100.0	793	86.4
Site of care						
physician's office	66	42.6	158	53.9	672	73.8
hospital clinic	23	14.8	46	15.7	110	12.1
community health center	47	30.3	55	18.8	35	3.8
HMO/other	19	12.3	34	11.6	94	10.3
Breastfeeding ⁵						
yes	115	73.2	227	76.9	581	63.6
no	42	26.8	68	23.1	333	36.4
Pediatric provider named?						
yes	103	65.6	234	79.3	893	97.3
no	54	34.4	61	20.7	25	2.7

⁵ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B5.3 Infant Health Characteristics by Ethnicity: Malden 1998-1999.

	Chinese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	157	100	295	100	918	100
Birthweight (g)						
< 1500	1	-- ¹	1	-- ¹	11	1.2
1500-2499	5	3.2	18	6.1	60	6.6
2500-3999	141	89.8	261	88.5	716	78.3
4000+	10	6.4	15	5.1	128	14.0
Gestational age (weeks)						
< 37	10	6.4	18	6.2	73	8.0
37-42	147	93.6	274	93.8	841	91.9
43+	0	0.0	0	0.0	1	-- ¹
Sex of infant: female	76	48.4	143	48.5	444	48.4
Abnormal condition of newborn						
jaundice	6	3.8	17	5.8	58	6.3
	3	-- ¹	10	3.4	23	2.5

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B6.1 Mother's Demographic Characteristics by Ethnicity: Lynn 1998-1999.

	Cambodian		All Asians		White Non-Hispanic ¹	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	166	100	242	100	1,295	100
U.S. born	8	4.8	18	7.4	1,205	93.1
Age, in years						
<18	13	7.8	19	7.9	50	3.9
18-19	17	10.2	24	9.9	73	5.6
20-24	39	23.5	59	24.4	248	19.2
25-29	54	32.5	77	31.8	394	30.4
30-34	29	17.5	43	17.8	334	25.8
35-39	11	6.6	16	6.6	169	13.1
40+	3	-- ²	4	-- ²	27	2.1
Education completed ³						
less than high school	50	36.8	68	34.2	95	8.1
high school	53	39.0	81	40.7	435	37.1
some college	20	14.7	31	15.6	380	32.4
college graduate	12	8.8	14	7.0	197	16.8
more than college	1	-- ²	5	2.5	65	5.5
Marital status						
married	82	49.4	126	52.1	813	62.8
not married	84	50.6	116	47.9	482	37.2
Language preference						
English	95	57.2	135	55.8	1,263	97.5
Cambodian	69	41.6	78	32.2	1	-- ²
Lao	0	0.0	1	-- ²	0	0.0
Mandarin	0	0.0	0	0.0	0	0.0
Vietnamese	0	0.0	22	9.1	0	0.0
Other / Unknown	2	-- ²	6	2.5	31	2.4

¹ White Non-Hispanic group excludes women of Asian ancestry.

² Percentages based on fewer than five events are excluded.

³ Women 20 years of age and older.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B6.2 Maternal Risk Factors by Ethnicity: Lynn 1998-1999.

	Cambodian		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	166	100	242	100	1,295	100
Cesarean section ¹						
yes	12	7.2	24	9.9	321	24.8
no	154	92.8	218	90.1	974	75.2
Previous preterm or small for gestational age infant						
yes	3	-- ²	3	-- ²	3	-- ²
no	163	98.2	239	98.8	1,291	99.8
Adequate prenatal care ²	82	49.7	126	52.5	974	75.7
Payment source ³						
private	69	41.6	112	46.3	830	64.2
public	96	57.8	129	53.3	458	35.4
self	1	-- ²	1	-- ²	3	-- ²

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Percentages based on fewer than five events are excluded.

³ Adequate prenatal care: See technical notes for definition of adequacy of care.

⁴ Payment source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, Other Government

Self = Self-pay

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B6.2 continued. Maternal Risk Factors by Ethnicity: Lynn 1998-1999.

	Cambodian		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Parity						
1	59	35.5	92	38.0	583	45.0
2-3	75	45.2	112	46.3	604	46.6
4+	32	19.3	38	15.7	108	8.3
Smoking prior to pregnancy						
yes	9	5.4	16	6.6	481	37.1
no	157	94.6	226	93.4	814	62.9
Smoking during pregnancy						
yes	7	4.2	10	4.1	303	23.4
no	159	95.8	232	95.9	992	76.6
Site of care						
physician's office	62	37.6	115	47.9	1,017	79.1
hospital clinic	11	6.7	13	5.4	86	6.7
community health center	62	37.6	79	32.9	110	8.6
HMO/other	30	18.2	33	13.8	72	5.6
Breastfeeding ⁵						
yes	80	48.2	131	54.1	709	54.8
no	86	51.8	111	45.9	584	45.2
Pediatric provider named?						
yes	165	99.4	238	98.3	1,284	99.2
no	1	-- ^z	4	1.7	11	0.8

⁵ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B6.3 Infant Health Characteristics by Ethnicity: Lynn 1998-1999.

	Cambodian		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	166	100	242	100	1,295	100
Birthweight (g)						
< 1500	1	-- ¹	2	-- ¹	21	1.6
1500-2499	9	5.4	21	8.7	85	6.6
2500-3999	152	91.6	211	87.2	1,019	78.7
4000+	4	-- ¹	8	3.3	169	13.1
Gestational age (weeks)						
< 37	10	6.0	18	7.5	107	8.3
37-42	156	94.0	223	92.5	1,186	91.7
43+	0	0.0	0	0.0	1	-- ¹
Sex of infant: female	71	42.8	111	45.9	668	51.6
Abnormal condition of newborn						
jaundice	7	4.2	14	5.8	68	5.3
	1	-- ¹	4	-- ¹	15	1.2

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B7.1 Mother's Demographic Characteristics by Ethnicity: Cambridge 1998-1999.

	Chinese		All Asians		White Non-Hispanic ¹	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	98	100	252	100	1,202	100
U.S. born	14	14.4	21	8.4	886	73.7
Age, in years						
<18	0	0.0	0	0.0	5	0.4
18-19	0	0.0	2	-- ²	16	1.3
20-24	2	-- ²	15	6.0	67	5.6
25-29	18	18.4	88	34.9	236	19.6
30-34	50	51.0	103	40.9	477	39.7
35-39	24	24.5	40	15.9	278	23.1
40+	4	-- ²	4	-- ²	123	10.2
Education completed ³						
less than high school	1	-- ²	4	-- ²	31	2.6
high school	7	7.1	25	10.0	125	10.6
some college	3	3.1	16	6.4	100	8.5
college graduate	22	22.4	89	35.7	382	32.3
more than college	65	66.3	116	46.6	543	46.0
Marital status						
married	95	96.9	241	95.6	1,076	89.5
not married	3	-- ²	11	4.4	126	10.5
Language preference						
English	64	65.3	164	65.1	1,120	93.2
Cantonese	6	6.1	6	2.4	0	0.0
Mandarin	16	16.3	16	6.3	0	0.0
Other / Unknown	12	12.2	66	26.2	82	6.8

¹ White Non-Hispanic group excludes women of Asian ancestry.

² Percentages based on fewer than five events are excluded.

³ Women 20 years of age and older.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B7.2 Maternal Risk Factors by Ethnicity: Cambridge 1998-1999.

	Chinese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	98	100	252	100	1,202	100
Cesarean section ¹						
yes	19	19.4	54	21.5	239	19.9
no	79	80.6	197	78.5	962	80.1
Previous preterm or small for gestational age infant						
yes	1	-- ²	1	-- ²	4	-- ²
no	97	99.0	250	99.6	1,194	99.7
Adequate prenatal care ³	87	88.8	211	83.7	1,031	85.9
Payment source ⁴						
private	92	93.9	230	91.6	1,087	90.7
public	6	6.1	20	8.0	97	8.1
self	0	0.0	1	-- ²	13	1.1

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Percentages based on fewer than five events are excluded.

³ Adequate prenatal care: See technical notes for definition of adequacy of care.

⁴ Payment source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, Other Government

Self = Self-pay

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B7.2 continued. Maternal Risk Factors by Ethnicity: Cambridge 1998-1999.

	Chinese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Parity						
1	64	65.3	157	62.3	714	59.4
2-3	34	34.7	95	37.7	465	38.7
4+	0	0.0	0	0.0	23	1.9
Smoking prior to pregnancy						
yes	0	0.0	4	-- ²	101	8.4
no	98	100.0	248	98.4	1,100	91.6
Smoking during pregnancy						
yes	0	0.0	0	0.0	50	4.2
no	98	100.0	252	100.0	1,150	95.8
Site of care						
physician's office	59	60.2	153	61.2	731	61.1
hospital clinic	19	19.4	47	18.8	221	18.5
community health center	7	7.1	16	6.4	46	3.8
HMO/other	13	13.3	34	13.6	198	16.6
Breastfeeding ⁵						
yes	87	88.8	233	92.8	1,095	91.2
no	11	11.2	18	7.2	106	8.8
Pediatric provider named?						
yes	91	92.9	239	94.8	1,173	97.6
no	7	7.1	13	5.2	29	2.4

⁵ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B7.3 Infant Health Characteristics by Ethnicity: Cambridge 1998-1999.

	Chinese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	98	100	252	100	1,202	100
Birthweight (g)						
< 1500	0	0.0	2	-- ¹	10	0.8
1500-2499	2	-- ¹	13	5.2	67	5.6
2500-3999	90	91.8	221	88.0	969	80.6
4000+	6	6.1	15	6.0	156	13.0
Gestational age (weeks)						
< 37	5	5.1	14	5.6	77	6.4
37-42	93	94.9	237	94.4	1,122	93.4
43+	0	0.0	0	0.0	2	-- ¹
Sex of infant: female	52	53.1	125	49.6	576	47.9
Abnormal condition of newborn						
jaundice	12	12.2	28	11.1	97	8.1
	10	10.2	19	7.6	38	3.2

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B8.1 Mother's Demographic Characteristics by Ethnicity: Newton 1998-1999.

	Chinese		All Asians		White Non-Hispanic ¹	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	92	100	149	100	1,438	100
U.S. born	17	18.7	20	13.5	1,233	85.8
Age, in years						
<18	0	0.0	0	0.0	5	0.3
18-19	0	0.0	0	0.0	5	0.3
20-24	0	0.0	1	-- ²	41	2.9
25-29	10	10.9	30	20.1	247	17.2
30-34	44	47.8	62	41.6	515	35.8
35-39	35	38.0	49	32.9	477	33.2
40+	3	-- ²	7	4.7	148	10.3
Education completed ³						
less than high school	3	-- ²	4	-- ²	3	-- ²
high school	8	8.7	12	8.1	98	6.9
some college	13	14.1	18	12.1	156	10.9
college graduate	34	37.0	54	36.2	577	40.4
more than college	34	37.0	61	40.9	594	41.6
Marital status						
married	91	98.9	147	98.7	1,356	94.3
not married	1	-- ²	2	-- ²	82	5.7
Language preference						
English	65	70.7	103	69.1	1,382	96.1
Cantonese	10	10.9	10	6.7	0	0.0
Mandarin	9	9.8	9	6.0	0	0.0
Vietnamese	0	0.0	3	-- ²	0	0.0
Other / Unknown	8	8.7	24	16.1	56	3.9

¹ White Non-Hispanic group excludes women of Asian ancestry.

² Percentages based on fewer than five events are excluded.

³ Women 20 years of age and older.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B8.2 Maternal Risk Factors by Ethnicity: Newton 1998-1999.

	Chinese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	92	100	149	100	1,438	100
Cesarean section ¹						
yes	24	26.1	34	22.8	314	21.9
no	68	73.9	115	77.2	1,123	78.1
Previous preterm or small for gestational age infant						
yes	0	0.0	0	0.0	5	0.4
no	92	100.0	149	100.0	1,415	99.6
Adequate prenatal care ²	82	89.1	135	90.6	1,281	89.5
Payment source ³						
private	83	90.2	135	91.2	1,381	96.3
public	8	8.7	11	7.4	37	2.6
self	1	-- ⁴	2	-- ⁴	12	0.8

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Adequate prenatal care: See technical notes for definition of adequacy of care.

³ Payment source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, Other Government

Self = Self-pay

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B8.2 continued. Maternal Risk Factors by Ethnicity: Newton 1998-1999.

	Chinese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Parity						
1	34	37.0	62	41.6	647	45.0
2-3	56	60.9	85	57.0	739	51.4
4+	2	-- ⁴	2	-- ⁴	52	3.6
Smoking prior to pregnancy						
yes	1	-- ⁴	1	-- ⁴	91	6.3
no	91	98.9	148	99.3	1,347	93.7
Smoking during pregnancy						
yes	0	0.0	0	0.0	31	2.2
no	92	100.0	149	100.0	1,407	97.8
Site of care						
physician's office	64	71.9	104	72.2	1,130	81.9
hospital clinic	11	12.4	17	11.8	109	7.9
community health center	5	5.6	5	3.5	2	-- ⁴
HMO/other	9	10.1	18	12.5	139	10.1
Breastfeeding ⁵						
yes	84	91.3	137	91.9	1,327	92.5
no	8	8.7	12	8.1	108	7.5
Pediatric provider named?						
yes	86	93.5	142	95.3	1,398	97.2
no	6	6.5	7	4.7	40	2.8

⁵ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B8.3 Infant Health Characteristics by Ethnicity: Newton 1998-1999.

	Chinese		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of Births	92	100	149	100	1,438	100
Birthweight (g)						
< 1500	2	-- ¹	2	-- ¹	8	0.6
1500-2499	5	5.4	9	6.0	76	5.3
2500-3999	79	85.9	129	86.6	1,170	81.4
4000+	6	6.5	9	6.0	183	12.7
Gestational age (weeks)						
< 37	5	5.4	8	5.4	102	7.1
37-42	87	94.6	141	94.6	1,327	92.6
43+	0	0.0	0	0.0	4	-- ¹
Sex of infant: female	48	52.2	70	47.0	727	50.6
Abnormal condition of newborn jaundice	21	22.8	29	19.5	231	16.1
	15	16.3	22	14.8	112	7.9

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B9.1 Mother's Demographic Characteristics by Ethnicity: Brookline 1998-1999.

	All Asians		White Non-Hispanic ¹	
	Number	Percent	Number	Percent
Number of Births	200	100	925	100
U.S. born	27	13.5	665	71.9
Age, in years				
<18	1	-- ²	4	-- ²
18-19	1	-- ²	3	-- ²
20-24	3	-- ²	27	2.9
25-29	56	28.0	169	18.3
30-34	92	46.0	390	42.2
35-39	40	20.0	253	27.4
40+	7	3.5	79	8.5
Education completed ³				
less than high school	2	-- ²	5	0.5
high school	18	9.1	49	5.3
some college	13	6.6	50	5.4
college graduate	88	44.4	338	36.8
more than college	77	38.9	476	51.9
Marital status				
married	197	98.5	878	94.9
not married	3	-- ²	47	5.1
Language preference				
English	105	52.5	841	90.9
Cantonese	7	3.5	0	0.0
Mandarin	12	6.0	0	0.0
Vietnamese	2	-- ²	0	0.0
Other / Unknown	74	37.0	84	9.1

¹ White Non-Hispanic group excludes women of Asian ancestry.

² Percentages based on fewer than five events are excluded.

³ Women 20 years of age and older.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B9.2 Maternal Risk Factors by Ethnicity: Brookline 1998-1999.

	All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent
Number of Births	200	100	925	100
Cesarean section ¹				
yes	26	13.0	171	18.5
no	174	87.0	752	81.5
Previous preterm or small for gestational age infant				
yes	2	-- ²	6	0.7
no	198	99.0	914	99.3
Adequate prenatal care ³	173	86.5	850	91.9
Payment source ⁴				
private	190	95.0	880	95.3
public	8	4.0	31	3.4
self	2	-- ²	10	1.1

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Percentages based on fewer than five events are excluded.

³ Adequate prenatal care: See technical notes for definition of adequacy of care.

⁴ Payment source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, Other Government

Self = Self-pay

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B9.2 continued. Maternal Risk Factors by Ethnicity: Brookline 1998-1999.

	All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent
Parity				
1	102	51.0	480	51.9
2-3	94	47.0	420	45.4
4+	4	-- ²	25	2.7
Smoking prior to pregnancy				
yes	2	-- ²	33	3.6
no	198	99.0	892	96.4
Smoking during pregnancy				
yes	2	-- ²	10	1.1
no	198	99.0	915	98.9
Site of care				
physician's office	137	68.8	726	78.8
hospital clinic	38	19.1	91	9.9
community health center	5	2.5	1	-- ²
HMO/other	19	9.5	103	11.2
Breastfeeding ⁵				
yes	185	92.5	871	94.4
no	15	7.5	52	5.6
Pediatric provider named?				
yes	193	96.5	883	95.5
no	7	3.5	42	4.5

⁵ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B9.3 Infant Health Characteristics by Ethnicity: Brookline 1998-1999.

	All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent
Number of Births	200	100	925	100
Birthweight (g)				
< 1500	3	--	9	1.0
1500-2499	13	6.5	52	5.6
2500-3999	173	86.5	761	82.3
4000+	11	5.5	103	11.1
Gestational age (weeks)				
< 37	15	7.5	63	6.8
37-42	185	92.5	858	93.1
43+	0	0.0	1	--
Sex of infant: female	100	50.0	472	51.0
Abnormal condition of newborn				
jaundice	29	14.5	97	10.5
	20	10.0	52	5.7

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B10.1 Mother's Demographic Characteristics by Ethnicity: Somerville and Waltham 1998-1999.

	<u>Somerville</u>				<u>Waltham</u>			
	All Asians		White Non-Hispanic		All Asians		White Non-Hispanic¹	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of Births	153	100	1,133	100	150	100	885	100
U.S. born	7	4.6	806	71.1	1	-- ²	771	87.1
Age, in years								
<18	1	-- ²	24	2.1	0	0.0	5	0.6
18-19	2	-- ²	36	3.2	0	0.0	18	2.0
20-24	20	13.1	130	11.5	15	10.0	59	6.7
25-29	53	34.6	306	27.0	55	36.7	245	27.7
30-34	53	34.6	395	34.9	52	34.7	348	39.3
35-39	21	13.7	192	16.9	26	17.3	168	19.0
40+	3	-- ²	50	4.4	2	-- ²	42	4.7
Education completed ³								
less than high school	18	12.0	83	7.7	16	10.7	20	2.3
high school	28	18.7	286	26.7	15	10.0	201	23.3
some college	20	13.3	198	18.5	18	12.0	217	25.2
college graduate	50	33.3	251	23.4	56	37.3	264	30.7
more than college	34	22.7	255	23.8	45	30.0	160	18.6
Marital status								
married	141	92.8	897	79.2	147	98.0	758	85.6
not married	11	7.2	236	20.8	3	-- ²	127	14.4
Language preference								
English	71	46.4	966	85.3	109	72.7	864	97.6
Cantonese	10	6.5	0	0.0	6	4.0	0	0.0
Lao	0	0.0	0	0.0	3	-- ²	0	0.0
Mandarin	19	12.4	0	0.0	13	8.7	0	0.0
Vietnamese	5	3.3	0	0.0	6	4.0	0	0.0
Other / Unknown	48	31.4	167	14.7	13	8.7	21	2.4

¹ White Non-Hispanic group excludes women of Asian ancestry.

² Percentages based on fewer than five events are excluded.

³ Women 20 years of age and older.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B10.2 Maternal Risk Factors by Ethnicity: Somerville and Waltham 1998-1999.

	<u>Somerville</u>				<u>Waltham</u>			
	All Asians		White Non-Hispanic		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of Births	153	100	1,133	100	150	100	885	100
Cesarean section ¹								
yes	23	15.0	269	23.7	32	21.3	227	25.6
no	130	85.0	864	76.3	118	78.7	658	74.4
Previous preterm or small for gestational age infant								
yes	0	0.0	4	-- ²	0	0.0	4	-- ²
no	153	100.0	1,127	99.6	148	100.0	871	99.5
Adequate prenatal care ³	120	78.4	921	81.7	116	77.9	754	85.7
Payment source ⁴								
private	103	67.3	872	77.1	137	91.3	787	89.2
public	47	30.7	242	21.4	10	6.7	90	10.2
self	3	-- ²	14	1.2	2	-- ²	5	0.6

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Percentages based on fewer than five events are excluded.

³ Adequate prenatal care: See technical notes for definition of adequacy of care.

⁴ Payment source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, Other Government

Self = Self-pay

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B10.2 continued. Maternal Risk Factors by Ethnicity: Somerville and Waltham 1998-1999.

	<u>Somerville</u>				<u>Waltham</u>			
	All Asians		White Non-Hispanic		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Parity								
1	98	64.1	670	59.1	92	61.3	448	50.6
2-3	53	34.6	422	37.2	57	38.0	403	45.5
4+	2	-- ⁴	41	3.6	1	-- ⁴	34	3.8
Smoking prior to pregnancy								
yes	1	-- ²	207	18.3	3	-- ²	146	16.5
no	152	99.3	926	81.7	147	98.0	739	83.5
Smoking during pregnancy								
yes	1	-- ²	128	11.3	1	-- ²	89	10.1
no	152	99.3	1,005	88.7	149	99.3	796	89.9
Site of care								
physician's office	56	36.8	597	53.3	125	85.6	707	83.8
hospital clinic	46	30.3	233	20.8	4	-- ²	39	4.6
community health center	32	21.1	122	10.9	6	4.1	3	-- ⁴
HMO/other	18	11.8	169	15.1	11	7.5	95	11.3
Breastfeeding ⁵								
yes	139	91.4	895	79.1	140	93.3	746	84.6
no	13	8.6	236	20.9	10	6.7	136	15.4
Pediatric provider named?								
yes	132	86.3	1,112	98.1	139	92.7	866	97.9
no	21	13.7	21	1.9	11	7.3	19	2.1

⁵ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B10.3 Infant Health Characteristics by Ethnicity: Somerville and Waltham 1998-1999.

	<u>Somerville</u>				<u>Waltham</u>			
	All Asians		White Non-Hispanic		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of Births	153	100	1,133	100	150	100	885	100
Birthweight (g)								
< 1500	3	-- ¹	10	0.9	2	-- ¹	6	0.7
1500-2499	6	3.9	49	4.3	7	4.7	45	5.1
2500-3999	133	86.9	903	79.9	131	87.3	723	81.7
4000+	11	7.2	168	14.9	10	6.7	111	12.5
Gestational age (weeks)								
< 37	7	4.6	56	5.0	12	8.0	48	5.4
37-42	145	95.4	1,068	94.8	138	92.0	831	94.1
43+	0	0.0	3	-- ¹	0	0.0	4	-- ¹
Sex of infant: female	61	39.9	494	43.6	74	49.3	448	50.6
Abnormal conditions of newborn	14	9.2	80	7.1	29	19.3	142	16.3
jaundice	8	5.2	38	3.4	22	14.9	69	7.9

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B11.1 Mother's Demographic Characteristics by Ethnicity: Springfield and Framingham 1998-1999.

	<u>Springfield</u>				<u>Framingham</u>			
	All Asians		White Non-Hispanic		All Asians		White Non-Hispanic¹	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of Births	114	100	1,634	100	142	100	1,363	100
U.S. born	7	6.1	1,516	92.8	11	7.7	1,084	79.5
Age, in years								
<18	1	-- ²	51	3.1	0	0.0	16	1.2
18-19	6	5.3	123	7.5	0	0.0	30	2.2
20-24	27	23.7	372	22.8	15	10.6	116	8.5
25-29	42	36.8	461	28.2	46	32.4	315	23.1
30-34	24	21.1	380	23.3	55	38.7	572	42.0
35-39	10	8.8	199	12.2	20	14.1	258	18.9
40+	4	-- ²	48	2.9	6	4.2	56	4.1
Education completed ³								
less than high school	41	38.3	122	8.4	6	4.2	47	3.6
high school	28	26.2	518	35.5	16	11.3	303	23.0
some college	21	19.6	499	34.2	16	11.3	265	20.1
college graduate	12	11.2	213	14.6	51	35.9	473	35.9
more than college	5	4.7	107	7.3	53	37.3	229	17.4
Marital status								
married	73	64.0	1,015	62.1	139	97.9	1,173	86.1
not married	41	36.0	619	37.9	3	-- ²	190	13.9
Language preference								
English	48	42.1	1,588	97.2	115	81.0	1,197	87.8
Cambodian	2	-- ²	0	0.0	0	0.0	0	0.0
Cantonese	3	-- ²	0	0.0	6	4.2	0	0.0
Lao	4	-- ²	0	0.0	0	0.0	0	0.0
Mandarin	0	0.0	0	0.0	7	4.9	0	0.0
Vietnamese	50	43.9	0	0.0	4	-- ²	0	0.0
Other / Unknown	7	6.1	46	2.8	10	7.0	166	12.2

¹ White Non-Hispanic group excludes women of Asian ancestry.

² Percentages based on fewer than five events are excluded.

³ Women 20 years of age and older.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B11.2 Maternal Risk Factors by Ethnicity: Springfield and Framingham 1998-1999.

	<u>Springfield</u>				<u>Framingham</u>			
	All Asians		White Non-Hispanic		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of Births	114	100	1,634	100	142	100	1,363	100
Cesarean section ¹								
yes	16	14.0	323	19.8	27	19.0	332	24.4
no	98	86.0	1,311	80.2	115	81.0	1,027	75.6
Previous preterm or small for gestational age infant								
yes	1	-- ²	24	1.5	0	0.0	11	0.8
no	113	99.1	1,610	98.5	139	100.0	1,337	99.2
Adequate prenatal care ³	76	66.7	1,215	75.0	128	90.1	1,196	87.7
Payment source ⁴								
private	53	46.5	1,014	62.1	128	90.1	1,118	82.2
public	59	51.8	591	36.2	12	8.5	223	16.4
self	2	-- ²	16	1.0	1	-- ²	5	0.4

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Percentages based on fewer than five events are excluded.

³ Adequate prenatal care: See technical notes for definition of adequacy of care.

⁴ Payment source:

Private = Blue Cross, Commercial Insurance, HMOs

Public = Medicaid/MassHealth, Medicare, Healthy Start, Other Government

Self = Self-pay

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B11.2 continued. Maternal Risk Factors by Ethnicity: Springfield and Framingham 1998-1999.

	<u>Springfield</u>				<u>Framingham</u>			
	All Asians		White Non-Hispanic		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Parity								
1	49	43.0	707	43.3	90	63.4	808	59.3
2-3	52	45.6	790	48.3	50	35.2	517	37.9
4+	13	11.4	137	8.4	2	-- ²	38	2.8
Smoking prior to pregnancy								
yes	2	-- ²	629	38.5	1	-- ²	157	11.5
no	112	98.2	1,005	61.5	141	99.3	1,205	88.5
Smoking during pregnancy								
yes	2	-- ²	401	24.5	0	0.0	79	5.8
no	112	98.2	1,233	75.5	142	100.0	1,284	94.2
Site of care								
physician's office	76	66.7	1,260	77.8	123	89.1	1,197	90.7
hospital clinic	28	24.6	270	16.7	8	5.8	49	3.7
community health center	0	0.0	0	0.0	4	-- ²	8	0.6
HMO/other	10	8.8	89	5.5	3	-- ²	66	5.0
Breastfeeding ⁵								
yes	56	49.1	956	58.6	136	95.8	1,244	91.5
no	58	50.9	676	41.4	6	4.2	116	8.5
Pediatric provider named?								
yes	113	99.1	1,628	99.6	135	95.1	1,328	97.4
no	1	-- ²	6	0.4	7	4.9	35	2.6

⁵ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B11.3 Infant Health Characteristics by Ethnicity: Springfield and Framingham 1998-1999.

	<u>Springfield</u>				<u>Framingham</u>			
	All Asians		White Non-Hispanic		All Asians		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of Births	114	100	1,634	100	142	100	1,363	100
Birthweight (g)								
< 1500	0	0.0	21	1.3	0	0.0	24	1.8
1500-2499	6	5.3	111	6.8	11	7.7	67	4.9
2500-3999	99	86.8	1,280	78.3	124	87.3	1,099	80.7
4000+	9	7.9	222	13.6	7	4.9	172	12.6
Gestational age (weeks)								
< 37	9	7.9	159	9.7	8	5.6	98	7.2
37-42	105	92.1	1,474	90.2	133	93.7	1,262	92.6
43+	0	0.0	1	-- ¹	1	-- ¹	3	-- ¹
Sex of infant: female	50	43.9	793	48.5	73	51.4	680	49.9
Abnormal conditions of newborn	23	20.2	669	40.9	20	14.1	134	9.8
jaundice	6	5.3	213	13.0	15	10.8	71	5.3

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values.

Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

**Table 5. Selected Birth Characteristics by Mother's Ethnicity
in Selected Communities: Massachusetts 1998-1999**

	Total Births	Low Birthweight		Adequate Prenatal Care		Public ¹ Source of Prenatal Care Payment	
		Number	Percent	Number	Percent	Number	Percent
Boston							
Chinese	386	23	6.0	309	80.1	188	48.8
Vietnamese	371	22	5.9	250	67.8	201	54.2
All Asians	1,039	69	6.6	785	75.9	448	43.2
White non-Hispanic	5,576	353	6.3	4,724	85.0	1,147	20.6
Lowell							
Cambodian	547	59	10.8	210	38.7	302	55.2
Asian Indian	113	16	14.3	69	61.1	8	7.1
Laotian	65	8	12.3	33	51.6	28	43.1
All Asians	833	90	10.8	371	44.9	363	43.6
White non-Hispanic	1,703	135	7.9	1,152	68.2	659	39.2
Quincy							
Chinese	248	19	7.7	196	79.4	94	37.9
All Asians	405	33	8.2	328	81.2	129	31.9
White non-Hispanic	1,589	94	5.9	1,415	89.3	282	17.8
Worcester							
Vietnamese	212	16	7.5	133	63.3	87	41.2
All Asians	345	25	7.2	220	64.1	108	31.4
White non-Hispanic	2,755	189	6.9	1,924	70.1	830	30.2
Malden							
Chinese	157	6	3.8	124	80.0	59	37.6
All Asians	295	19	6.4	236	80.5	83	28.1
White non-Hispanic	918	71	7.8	746	81.8	188	20.6
Lynn							
Cambodian	166	10	6.0	82	49.7	96	57.8
All Asians	242	23	9.5	126	52.5	129	53.3
White non-Hispanic	1,295	106	8.2	974	75.7	458	35.4
Cambridge							
Chinese	98	2	-- ²	87	88.8	6	6.1
All Asians	252	15	6.0	211	83.7	20	8.0
White non-Hispanic	1,202	77	6.4	1,031	85.9	97	8.1
Newton							
Chinese	92	7	7.6	82	89.1	8	8.7
All Asians	149	11	7.4	135	90.6	11	7.4
White non-Hispanic	1,438	84	5.8	1,281	89.5	37	2.6
Brookline							
All Asians	200	16	8.0	173	86.5	8	4.0
White non-Hispanic	925	61	6.6	850	91.9	31	3.4
Somerville							
All Asians	153	9	5.9	120	78.4	47	30.7
White non-Hispanic	1,133	59	5.2	921	81.7	242	21.4
Waltham							
All Asians	150	9	6.0	116	77.9	10	6.7
White non-Hispanic	885	51	5.8	754	85.7	90	10.2
Springfield							
All Asians	114	6	5.3	76	66.7	59	51.8
White non-Hispanic	1,634	132	8.1	1,215	75.0	591	36.2
Framingham							
All Asians	142	11	7.7	128	90.1	12	8.5
White non-Hispanic	1,363	91	6.7	1,196	87.7	223	16.4

¹ Public= Medicaid/Mass Health, Medicare, Healthy Start, free care, or other government source of payment.

² Percentages based on fewer than five events are excluded.