

California Maternal and Infant Health Assessment Tables

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California Maternal and Infant Health Assessment (2006, California)

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Table 1: Distribution of self-reported weight gain during pregnancy among live, singleton, term births: total and by pre-pregnancy BMI, California (2004-2005)

<i>Pre-pregnancy BMI, kg/m²</i>	<i>Unweighted N^b</i>	Self-reported weight gain during pregnancy (pounds)						
		<i>Weighted % distribution</i>						
		<15	15-19	20-24	25-29	30-34	35-40	> 40
Total	5,778	8.5	6.7	12.3	14.1	16.4	20.8	21.2
Pre-pregnancy BMI, kg/m² (IOM)								
<19.8	724	2.8 ^a	3.8	10.0	16.3	19.6	26.6	20.9
19.8-26	3,141	5.0	5.8	10.8	13.6	17.8	23.0	24.0
>26-29	763	8.1	8.0	17.6	14.2	15.8	16.4	20.0
>29	1,150	22.5	10.3	14.7	13.8	10.9	13.9	13.9
Pre-pregnancy BMI (NHLBI)								
<18.5	263	2.0 ^a	5.6 ^a	10.8	16.6	19.7	25.9	19.5
18.5-24.9	3,173	4.7	5.4	10.5	13.7	18.0	24.2	23.5
25-29.9	1,366	7.5	7.3	15.8	15.3	15.8	16.8	21.5
30+	976	24.7	10.7	14.0	12.9	10.8	13.9	13.0
<i>Unweighted N^b</i>	5,778	501	395	695	802	930	1,207	1,248

For the purpose of this analysis, IOM recommended categories are defined as 28-40 lbs for BMI <19.8, 25-35 lbs for BMI 19.8-26, 15-25 lbs for BMI >26-29, and 15-25 lbs for BMI >29.
(Personal communication from Dr. Mary Cogswell, CDC, April 2006)

Source: California Maternal and Infant Health Assessment Survey, 2004, 2005. Prepared by California Department of Health Services, Maternal, Child and Adolescent Health/Office of Family Planning Branch. (May 2006)

Notes: Pre-pregnancy height and weight and pregnancy weight gain based on respondent self-report. Pre-pregnancy BMI of recent mothers aged 15-19 calculated using the formula for adult women. Mothers younger than age 15 not surveyed.

^aPercentage estimate based on <20 respondents lack sufficient reliability for analytic purposes and should be used with caution

^bApproximately 7% of respondents with valid weight gain data excluded because they were missing pre-pregnancy BMI data.

Table 2: Distribution of self-reported weight gain during pregnancy among live, singleton, term births: total and by pre-pregnancy BMI and maternal age group, California (2004-2005)

<i>Age</i>	<i>Unweighted N^b</i>	Self-reported weight gain during pregnancy					
		<i>Weighted % distribution</i>					
		Pounds			Gain in relation to IOM guidelines		
		<15	15-40	> 40	<IOM	IOM	>IOM
Maternal Age <20 years							
<i>Total</i>	521	7.5	65.4	27.1	21.5	37.2	41.3
Pre-pregnancy BMI, kg/m² (IOM)							
<19.8	102	5.3 ^a	64.1	30.6	27.9	41.6	30.6
19.8-26	310	7.0	66.6	26.4	22.5	39.6	38.0
>26-29	52	5.7 ^a	62.9	31.4 ^a	5.7 ^a	20.1 ^a	74.2
>29	57	17.9 ^a	63.3	18.8 ^a	17.9 ^a	30.3 ^a	51.8
Maternal Age 20-34 years							
<i>Total</i>	4,309	8.7	69.5	21.8	20.5	38.5	41.0
Pre-pregnancy BMI, kg/m² (IOM)							
<19.8	509	2.5 ^a	75.6	22.0	26.6	51.5	22.0
19.8-26	2,305	5.0	70.3	24.7	21.5	39.4	39.2
>26-29	583	8.0	70.9	21.1	8.0	32.4	59.6
>29	912	22.6	63.0	14.4	22.6	33.0	44.5
Maternal Age 35+ years							
<i>Total</i>	948	7.9	76.7	15.4	22.2	42.3	35.5
Pre-pregnancy BMI, kg/m² (IOM)							
<19.8	113	1.9 ^a	89.9	8.2 ^a	36.9	54.9	8.2 ^a
19.8-26	526	4.1	76.1	19.9	21.8	42.9	35.3
>26-29	128	9.3 ^a	79.9	10.8 ^a	9.3 ^a	39.3	51.4
>29	181	23.5	67.0	9.5 ^a	23.5	33.9	42.7
<i>Unweighted N^b</i>	5,778	501	4,029	1,248	1,206	2,233	2,339

For the purpose of this analysis, IOM recommended categories are defined as 28-40 lbs for BMI <19.8, 25-35 lbs for BMI 19.8-26, 15-25 lbs for BMI >26-29, and 15-25 lbs for BMI >29. (Personal communication from Dr. Mary Cogswell, CDC, April 2006)

Source: California Maternal and Infant Health Assessment Survey, 2004, 2005. Prepared by California Department of Health Services, Maternal, Child and Adolescent Health/Office of Family Planning Branch. (May 2006)

Notes: Pre-pregnancy height and weight and pregnancy weight gain based on respondent self-report. Pre-pregnancy BMI of recent mothers aged 15-19 calculated using the formula for adult women. Mothers younger than age 15 not surveyed. ^aPercentage estimate based on <20 respondents lack sufficient reliability for analytic purposes and should be used with caution. ^bApproximately 7% of respondents with valid weight gain data excluded because they were missing pre-pregnancy BMI data.

Table 3: Distribution of self-reported weight gain during pregnancy among live, singleton, term births: total and by pre-pregnancy BMI & parity, California (2004-2005)

<i>Parity</i>	<i>Unweighted N^{b,c}</i>	Self-reported weight gain during pregnancy					
		<i>Weighted % distribution</i>					
		Pounds			Gain in relation to IOM guidelines		
		<15	15-40	> 40	<IOM	IOM	>IOM
First birth							
<i>Total</i>	2,357	5.0	67.6	27.4	16.8	37.9	45.3
Pre-pregnancy BMI, kg/m² (IOM)							
<19.8	384	2.2 ^a	72.6	25.2	22.1	52.7	25.2
19.8-26	1375	3.6	67.5	28.9	18.0	37.4	44.6
>26-29	277	4.6 ^a	64.9	30.6	4.6 ^a	28.5	66.9
>29	321	15.6	63.9	20.5	15.6	29.5	54.9
Second or greater birth							
<i>Total</i>	3,418	10.8	72.2	16.9	23.5	39.8	36.7
Pre-pregnancy BMI, kg/m² (IOM)							
<19.8	339	3.4 ^a	80.5	16.1	35.3	48.6	16.1
19.8-26	1765	6.1	73.6	20.3	24.4	41.9	33.7
>26-29	486	10.0	75.9	14.2	10.0	35.2	54.8
>29	828	25.0	63.6	11.5	25.0	34.3	40.8
<i>Unweighted N^{b,c}</i>	5,775	501	4,028	1,246	1,205	2,233	2,337

For the purpose of this analysis, IOM recommended categories are defined as 28-40 lbs for BMI <19.8, 25-35 lbs for BMI 19.8-26, 15-25 lbs for BMI >26-29, and 15-25 lbs for BMI >29. (Personal communication from Dr. Mary Cogswell, CDC, April 2006)

Source: California Maternal and Infant Health Assessment Survey, 2004, 2005. Prepared by California Department of Health Services, Maternal, Child and Adolescent Health/Office of Family Planning Branch. (May 2006)

Notes: Pre-pregnancy height and weight and pregnancy weight gain based on respondent self-report. Pre-pregnancy BMI of recent mothers aged 15-19 calculated using the formula for adult women. Mothers younger than age 15 not surveyed. ^aPercentage estimate based on <20 respondents lack sufficient reliability for analytic purposes and should be used with caution. ^bApproximately 7% of respondents with valid weight gain data excluded because they were missing pre-pregnancy BMI data. ^cN differs from Total in Table 1 due to missing data on parity from birth certificate.

Table 4: Distribution of self-reported weight gain during pregnancy among live, singleton, term births: total & by pre-pregnancy BMI & maternal race/ethnicity, California (2004-2005)

<i>Maternal Race/Ethnicity</i>	<i>Unweighted N^{b,c}</i>	Self-reported weight gain during pregnancy					
		<i>Weighted % distribution</i>					
		Pounds			Gain in relation to IOM guidelines		
		<15	15-40	> 40	<IOM	IOM	>IOM
<i>non-Hispanic white</i>							
<i>Total</i>	1,857	4.8	69.1	26.4	14.6	39.2	46.2
Pre-pregnancy BMI, kg/m² (IOM)							
<19.8	289	1.4 ^a	75.5	23.1	22.1	54.8	23.1
19.8-26	1,097	1.4 ^a	69.9	28.7	12.5	41.1	46.4
>26-29	199	4.0 ^a	70.1	26.0	4.0 ^a	24.7	71.4
>29	272	22.8	58.2	19.0	22.8	26.0	51.2
<i>non-Hispanic black</i>							
<i>Total</i>	757	10.8	63.7	25.6	21.3	34.8	43.9
Pre-pregnancy BMI, kg/m² (IOM)							
<19.8	94	2.7 ^a	71.3	26.0	28.3	45.7	26.0
19.8-26	360	6.2	63.8	30.0	22.2	36.8	41.0
>26-29	103	8.6 ^a	66.0	25.4	8.6 ^a	29.5	61.9
>29	200	23.8	58.7	17.5	23.8	29.1	47.1
<i>Hispanic/Latina</i>							
<i>Total</i>	2,329	11.8	71.1	17.1	25.5	38.5	36.1
Pre-pregnancy BMI, kg/m² (IOM)							
<19.8	185	4.6 ^a	74.1	21.3	34.1	44.6	21.3
19.8-26	1,193	8.5	72.3	19.2	30.5	38.5	31.0
>26-29	388	9.9	73.1	16.9	9.9	37.5	52.6
>29	563	22.5	66.4	11.2	22.5	36.9	40.6
<i>Other race/ethnic group</i>							
<i>Total</i>	788	6.3	73.3	20.5	21.5	41.9	36.6
Pre-pregnancy BMI, kg/m² (IOM)							
<19.8	153	3.1 ^a	81.3	15.6	32.4	52.0	15.6
19.8-26	465	4.3	71.6	24.1	19.8	41.9	38.3
>26-29	68	8.0 ^a	76.0	16.0 ^a	8.0 ^a	30.5	61.5
>29	102	20.9	65.6	13.5 ^a	20.9	32.8	46.3
<i>Unweighted N^{b,c}</i>	5,731	497	3,994	1,240	1,196	2,213	2,322

For the purpose of this analysis, IOM recommended categories are defined as 28-40 lbs for BMI <19.8, 25-35 lbs for BMI 19.8-26, 15-25 lbs for BMI >26-29, and 15-25 lbs for BMI >29. (Personal communication from Dr. Mary Cogswell, CDC, April 2006)

Source: California Maternal and Infant Health Assessment, 2004, 2005.

Prepared by California Department of Health Services, Maternal, Child and Adolescent Health/Office of Family Planning Branch. (May 2006)

Notes: Pre-pregnancy height and weight and pregnancy weight gain based on respondent self-report. Pre-pregnancy BMI of recent mothers aged 15-19 calculated using the formula for adult women. Mothers younger than age 15 not surveyed.

^aPercentage estimate based on <20 respondents lack sufficient reliability for analytic purposes and should be used with caution.

^bApproximately 7% of respondents with valid weight gain data excluded because they were missing pre-pregnancy BMI data.

^cN differs from Total in Table 1 due to missing data on self-reported race/ethnicity from MIHA survey.

Table 5: Distribution of self-reported weight gain during pregnancy among live, singleton, term births: total by year California (1999-2005)

<i>Year</i>	<i>Unweighted N^b</i>	Self-reported weight gain during pregnancy					
		<i>Weighted % distribution</i>					
		Pounds			Gain in relation to IOM guidelines		
		<i><15</i>	<i>15-40</i>	<i>> 40</i>	<i><IOM</i>	<i>IOM</i>	<i>>IOM</i>
1995	*						
1996	*						
1997	*						
1998	*						
1999	2,867	9.9	66.7	23.4	21.6	37.6	40.8
2000	2,949	9.8	65.4	24.9	23.2	35.1	41.8
2001	2,860	10.4	66.6	23.0	22.2	38.0	39.8
2002	2,809	8.8	65.5	25.7	20.5	34.6	45.0
2003	3,020	7.6	69.5	22.8	20.4	37.3	42.4
2004	2,840	8.8	70.9	20.4	20.8	39.0	40.2
2005	2,938	8.2	69.8	22.0	20.9	39.1	40.0
<i>Unweighted N^b</i>	20,281	1,847	13,617	4,817	4,281	7,468	8,534

For the purpose of this analysis, IOM recommended categories are defined as 28-40 lbs for BMI <19.8, 25-35 lbs for BMI 19.8-26, 15-25 lbs for BMI >26-29, and 15-25 lbs for BMI >29. (Personal communication from Dr. Mary Cogswell, CDC, April 2006)

Source: California Maternal and Infant Health Assessment, 1999-2005. Prepared by California Department of Health Services, Maternal, Child and Adolescent Health/Office of Family Planning Branch. (May 2006) *Data for 1995-1998 are unavailable.

Notes: Pre-pregnancy height and weight and pregnancy weight gain based on respondent self-report. Pre-pregnancy BMI of recent mothers aged 15-19 calculated using the formula for adult women. Mothers younger than age 15 not surveyed. ^bApproximately 7% of respondents with valid weight gain data excluded because they were missing pre-pregnancy BMI data.

Table 6: Distribution of self-reported pre-pregnancy BMI by year California (1999-2005)

<i>Year</i>	<i>Unweighted N</i>	Self-reported pre-pregnancy Body Mass Index							
		<i>Weighted % distribution</i>							
		IOM Categories				NHLBI Categories			
		<19.8	19.8-26	>26-29	>29	<18.5	18.5-24.9	25-29.9	30+
1995	*								
1996	*								
1997	*								
1998	*								
1999	2,867	14.3	56.6	12.4	16.7	5.2	58.8	22.5	13.5
2000	2,949	13.7	56.5	13.4	16.5	5.2	57.5	24.2	13.1
2001	2,860	14.3	55.4	12.8	17.6	4.8	57.9	22.4	14.9
2002	2,809	12.4	54.9	14.6	18.1	4.5	55.0	25.7	14.8
2003	3,020	13.8	54.4	13.2	18.7	4.7	56.3	23.4	15.7
2004	2,840	12.8	53.8	14.3	19.0	4.8	54.7	24.3	16.2
2005	2,938	12.3	56.3	12.2	19.2	4.2	56.8	22.7	16.3
<i>Unweighted N</i>	20,283	2,684	11,132	2,709	3,758	975	11,350	4,833	3,125

For the purpose of this analysis, IOM recommended categories are defined as 28-40 lbs for BMI <19.8, 25-35 lbs for BMI 19.8-26, 15-25 lbs for BMI >26-29, and 15-25 lbs for BMI >29. (Personal communication from Dr. Mary Cogswell, CDC, April 2006)

Source: California Maternal and Infant Health Assessment, 1999-2005. Prepared by California Department of Health Services, Maternal, Child and Adolescent Health/Office of Family Planning Branch. (May 2006) *Data for 1995-1998 are unavailable.

Notes: Pre-pregnancy height and weight and pregnancy weight gain based on respondent self-report. Pre-pregnancy BMI of recent mothers aged 15-19 calculated using the formula for adult women. Mothers younger than age 15 not surveyed.