

Prenatal Care

TITLE V INDICATOR TEMPLATE

INDICATOR: First Trimester Onset of Prenatal Care (PNC)

DEFINITION: The percent of live born infants whose mothers received prenatal care in the first trimester of pregnancy

NUMERATOR: The number of live births to women who received prenatal care during the first trimester, by place of residence, in a calendar year

DENOMINATOR: The total number of live births, by place of residence, in a calendar year

HEALTHY PEOPLE 2020 OBJECTIVE: Increase the proportion of pregnant women who receive prenatal care in the first trimester of pregnancy to 77.9 percent of live births. (Baseline: 70.8 percent of pregnant women in 2007) (Objective MICH-10.1)

RISK FACTORS: **For not obtaining early prenatal care:** Low income; young maternal age/teen pregnancy; low maternal education level; race/ethnicity (African American, Hispanic, American Indian/Alaska Native); high parity; maternal substance abuse; lack of health insurance; lack of obstetric providers

Year	Los Angeles County, 2017			
	First Trimester Prenatal Care		95% Confidence Interval	
	Number	Percent	Lower	Upper
2008	123,251	83.5	83.3	83.6
2009	116,717	83.6	83.4	83.8
2010	110,516	83.0	82.8	83.2
2011	106,307	81.6	81.4	81.8
2012	106,996	81.2	81.0	81.5
2013	105,259	81.9	81.7	82.1
2014	108,161	83.1	82.9	83.3
2015	103,155	82.9	82.6	83.1
2016	101,858	82.9	82.6	83.1
2017	97,572	83.5	83.3	83.7

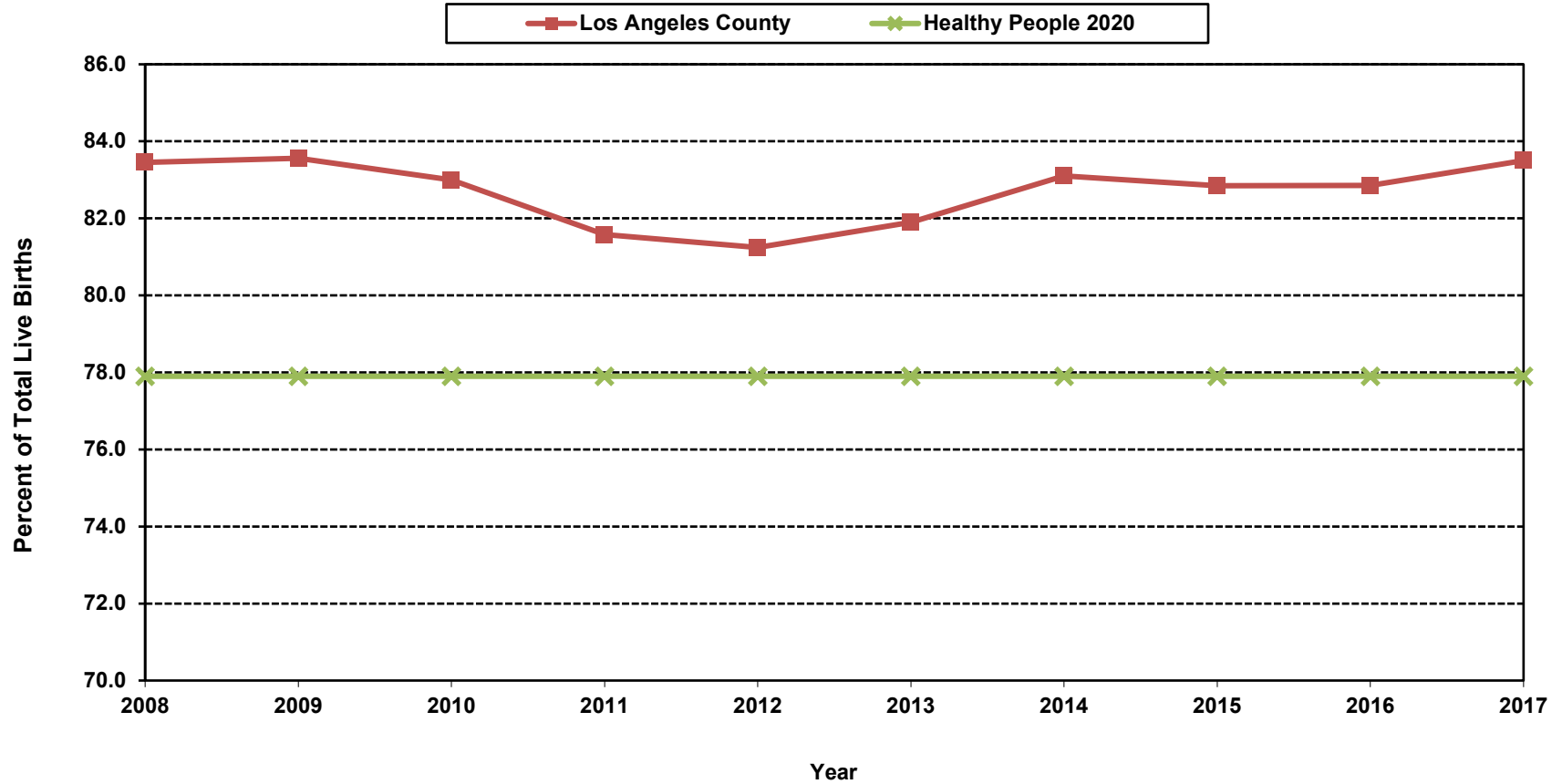
Denominator: Live Births	
Year	LA County
2008	147,684
2009	139,679
2010	133,160
2011	130,313
2012	131,697
2013	128,526
2014	130,150
2015	124,507
2016	122,941
2017	116,850

Notes: The decrease in first-trimester entry into prenatal care in 2007 is due at least in part to a recategorization of this data in birth certificates.

This measure excludes the prenatal care experiences of all women whose pregnancies did not result in live births.

Source: California Department of Public Health, Birth Statistical Master Files, 2008-2017

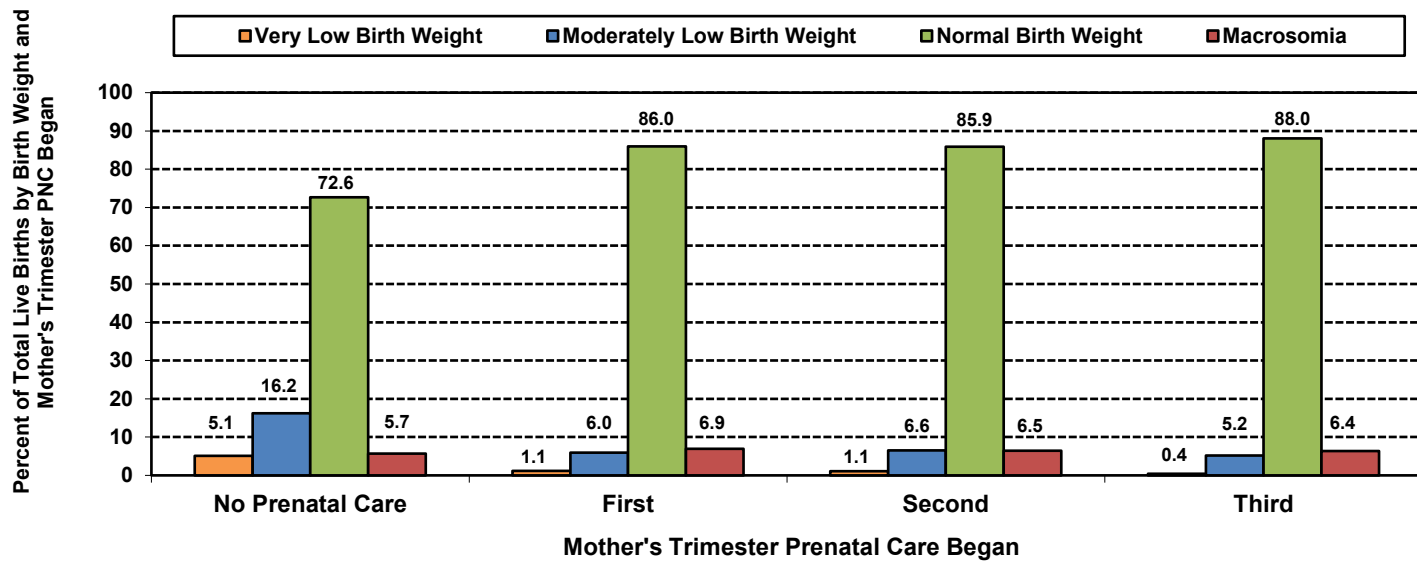
First Trimester Entry Into Prenatal Care by Percent Los Angeles County, 2008-2017



Year 2020 Objective: Increase the proportion of pregnant women who receive prenatal care in the first trimester of pregnancy to 77.9 percent of live births.

Source: California Department of Public Health, Birth Statistical Master Files, 2008-2017

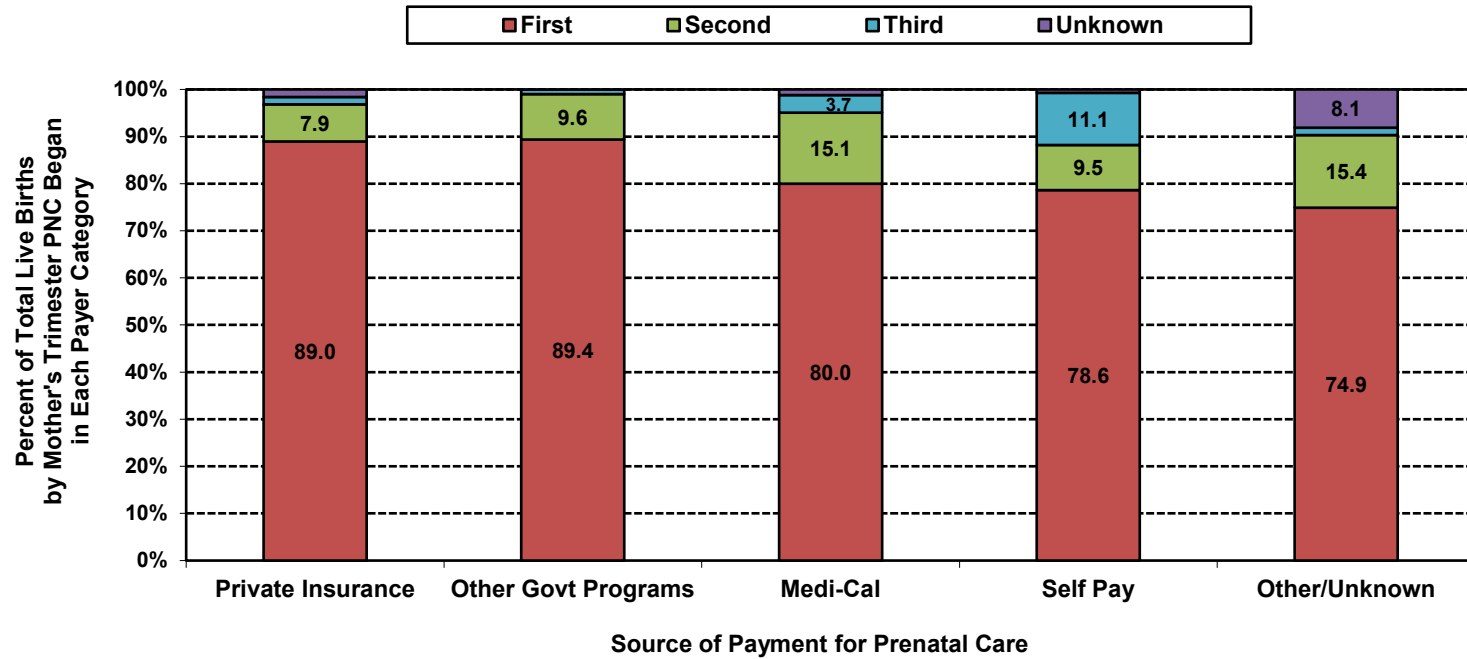
Distribution of Total Live Births by Birth Weight and Mother's Trimester Prenatal Care Began Los Angeles County, 2017



Los Angeles County									
Mother's Trimester Prenatal Care Began	Very Low Birth Weight		Moderately Low Birth Weight		Normal Birth Weight		Macrosomia		Total Live Births
	0 to 1,499 grams		1,500 to 2,499 grams		2,500 to 3,999 grams		4,000+ grams		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
No Prenatal Care	34	5.1	108	16.2	483	72.6	38	5.7	665
First	1,110	1.1	5,811	6.0	83,888	86.0	6,763	6.9	97,572
Second	148	1.1	873	6.6	11,421	85.9	859	6.5	13,302
Third	14	0.4	185	5.2	3,130	88.0	226	6.4	3,555
Unknown	60	3.4	165	9.4	1,428	81.3	102	5.8	1,756
Total	1,366	1.2	7,142	6.1	100,350	85.9	7,988	6.8	116,850

Source: California Department of Public Health, Birth Statistical Master Files, 2017

**Distribution of Total Live Births by Mother's Trimester Prenatal Care Began
and by Source of Payment for Prenatal Care
Los Angeles County, 2017**

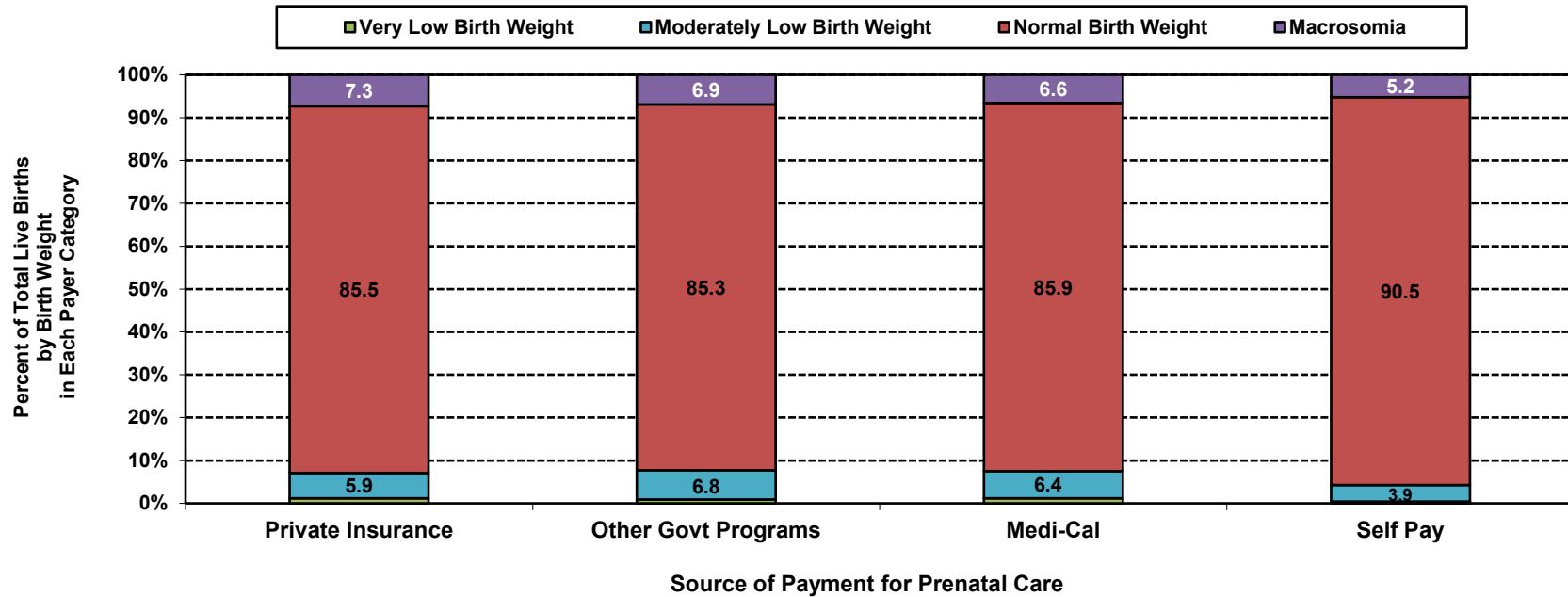


Los Angeles County									Total Live Births
Source of Payment for Prenatal Care	Mother's Trimester Prenatal Care Began								
	First		Second		Third		Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Private Insurance	45,662	89.0	4,041	7.9	786	1.5	841	1.6	51,330
Other Govt Programs	2,489	89.4	268	9.6	26	0.9	2	0.1	2,785
Medi-Cal	41,997	80.0	7,921	15.1	1,940	3.7	642	1.2	52,500
Self Pay	5,391	78.6	654	9.5	759	11.1	51	0.7	6,855
Other/Unknown	2,033	74.9	418	15.4	44	1.6	220	8.1	2,715
Total	97,572	83.5	13,302	11.4	44	0.0	1,756	1.5	116,850

Note: The sum of certain categories may not equate to countywide totals as women who did not receive prenatal care (n=665) were excluded from this analysis.

Source: California Department of Public Health, Birth Statistical Master Files, 2017

**Distribution of Total Live Births
by Birth Weight and by Source of Payment for Prenatal Care
Los Angeles County, 2017**



Los Angeles County									
Source of Payment for Prenatal Care	Very Low Birth Weight		Moderately Low Birth Weight		Normal Birth Weight		Macrosomia		Total Live Births
	0 to 1,499 grams		1,500 to 2,499 grams		2,500 to 3,999 grams		4,000+ grams		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Private Insurance	617	1.2	3,017	5.9	43,902	85.5	3,740	7.3	51,330
Other Govt Programs	26	0.9	190	6.8	2,376	85.3	193	6.9	2,785
Medi-Cal	608	1.2	3,341	6.4	45,107	85.9	3,444	6.6	52,500
Self Pay	27	0.4	265	3.9	6,204	90.5	358	5.2	6,855
Other/Unknown	54	2.0	167	6.2	2,278	83.9	215	7.9	2,715
Total	1,366	1.2	7,088	6.1	100,350	85.9	7,988	6.8	116,850

Note: The sum of certain categories may not equate to countywide totals as women who did not receive prenatal care (n=665) were excluded from this analysis.
Source: California Department of Public Health, Birth Statistical Master Files, 2017

TITLE V INDICATOR TEMPLATE

INDICATOR: **Percent of Total Live Births by Adequacy of Prenatal Care Utilization (APNCU) Index**

DEFINITION: The percent of live born infants whose mothers received adequate prenatal care as defined by the Adequacy of Prenatal Care Utilization Index (APNCU) developed by Milton Kotelchuck. This index does not assess the quality of the prenatal care that is delivered.

NUMERATOR: The number of live births to women who received adequate care, as defined by the APNCU criteria, by place of residence, in a calendar year

DENOMINATOR: The total number of live births, by place of residence, in a calendar year

HEALTHY PEOPLE 2020 OBJECTIVE: Increase the proportion of pregnant women who receive early and adequate prenatal care to 77.6 percent of live births. (Baseline: 70.5 percent of pregnant women in 2007) (Objective MICH-10.2)

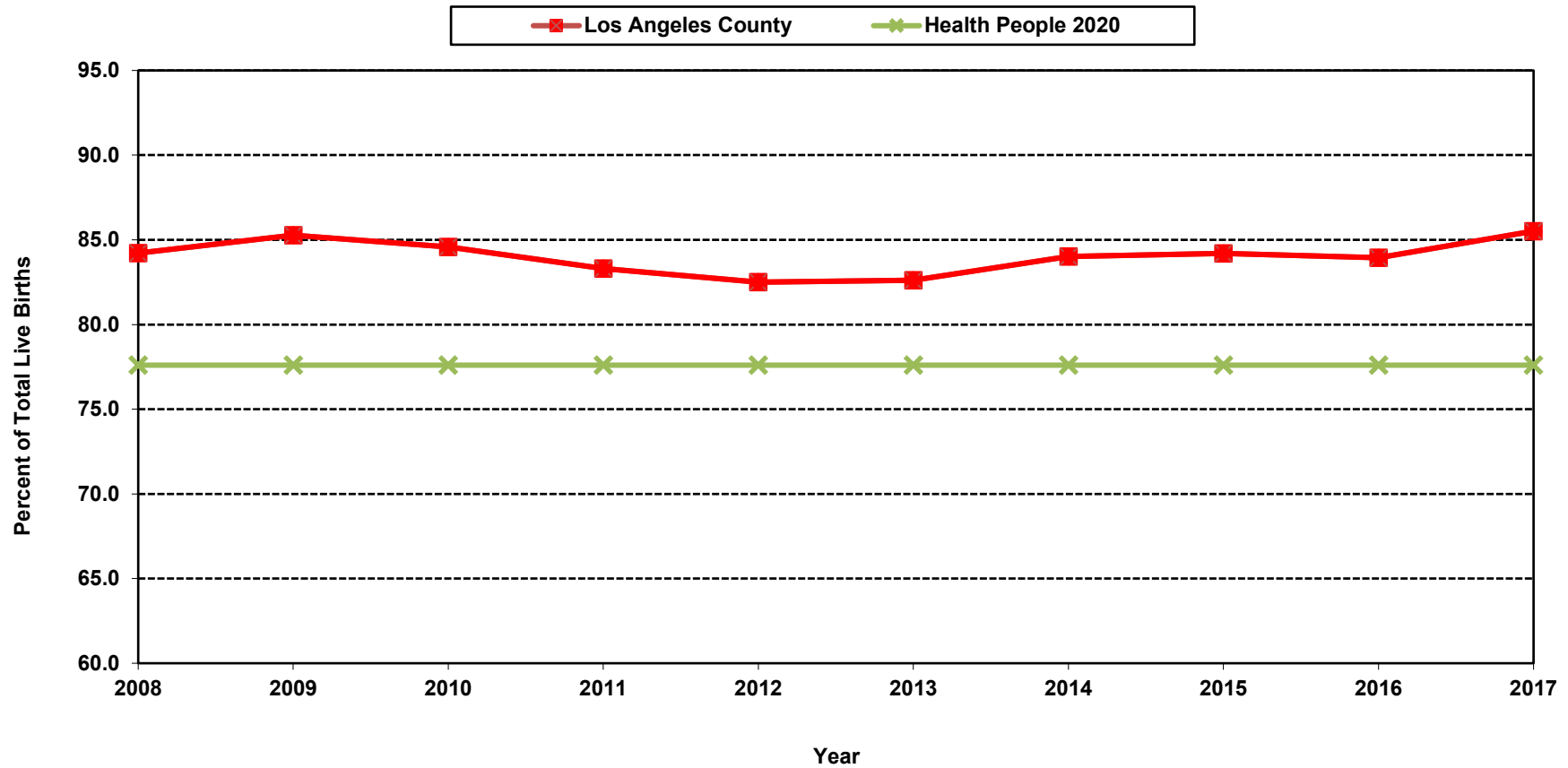
RISK FACTORS: **Inadequate Prenatal Care**
 Low income; young maternal age/teen pregnancy; low maternal education level; race/ethnicity (African American, Hispanic, American Indian/Alaskan Native); high parity; maternal substance abuse; lack of health insurance; lack of obstetric providers

Year	Los Angeles County, 2017			
	Adequate Prenatal Care		95% Confidence Interval	
	Number	Percent	Lower	Upper
2008	124,381	84.2	84.0	84.4
2009	119,111	85.3	85.1	85.5
2010	112,631	84.6	84.4	84.8
2011	108,553	83.3	83.1	83.5
2012	108,651	82.5	82.3	82.7
2013	106,172	82.6	82.4	82.8
2014	109,340	84.0	83.8	84.2
2015	104,838	84.2	84.0	84.4
2016	103,192	83.9	83.7	84.1
2017	99,922	85.5	85.3	85.7

Denominator: Live Births	
Year	LA County
2008	147,684
2009	139,679
2010	133,160
2011	130,313
2012	131,697
2013	128,523
2014	130,150
2015	124,507
2016	122,941
2017	116,850

Year 2020 Objective: Increase the proportion of pregnant women who receive early and adequate prenatal care to 77.6 percent of live births.
 The APNCU Index measures prenatal care utilization, which includes consideration of the month prenatal care began and the number of prenatal care visits during the time mothers actually received prenatal care. This utilization index is based on the recommendations Notes: established by the American College of Obstetrics and Gynecologists (ACOG).
 Source: California Department of Public Health, Birth Statistical Master Files, 2017

**Percent of Total Live Births with "Adequate" Prenatal Care
as Rated by the Adequacy of Prenatal Care Utilization Index (APNCU)
Los Angeles County, 2008-2017**

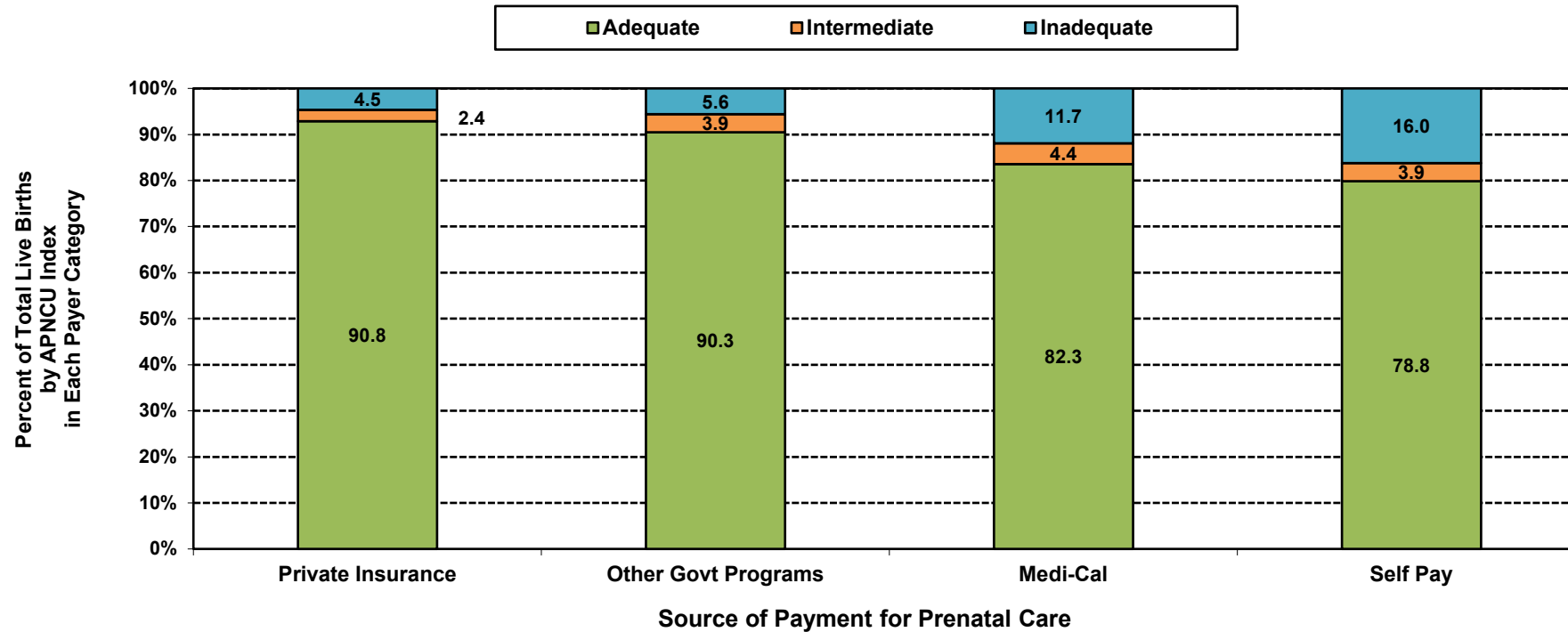


Year 2020 Objective: Increase the proportion of pregnant women who receive early and adequate prenatal care to 77.6 percent of live births.

Notes: The APNCU Index measures prenatal care utilization, which includes consideration of the month prenatal care began and the number of prenatal care visits during the time mothers actually received prenatal care. This utilization index is based on the recommendations established by the American College of Obstetrics and Gynecologists (ACOG).

Source: California Department of Public Health, Birth Statistical Master Files, 2017

**Distribution of Total Live Births by Adequacy of Prenatal Care Utilization Index (APNCU)
and by Source of Payment for Prenatal Care
Los Angeles County, 2017**



Los Angeles County								
Source of Payment for Prenatal Care	Adequacy of Prenatal Care Utilization Index							
	Adequate		Intermediate		Inadequate		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Private Insurance	46,604	90.8	1,228	2.4	2,330	4.5	1,168	2.3
Other Govt Programs	2,516	90.3	108	3.9	156	5.6	5	0.2
Medi-Cal	43,190	82.3	2,332	4.4	6,168	11.7	810	1.5
Self Pay	5,405	78.8	270	3.9	1,096	16.0	84	1.2
Other/Unknown	2,207	81.3	65	2.4	205	7.6	238	8.8
Total	99,922	85.5	4,003	3.4	10,620	9.1	2,305	2.0

Total Live Births
51,330
2,785
52,500
6,855
2,715
116,850

Note: The sum of certain categories may not equate to countywide totals as women who did not receive prenatal care (n=665) were excluded from this analysis.
Data Source: California Department of Public Health, Birth Statistical Master Files, 2017