

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

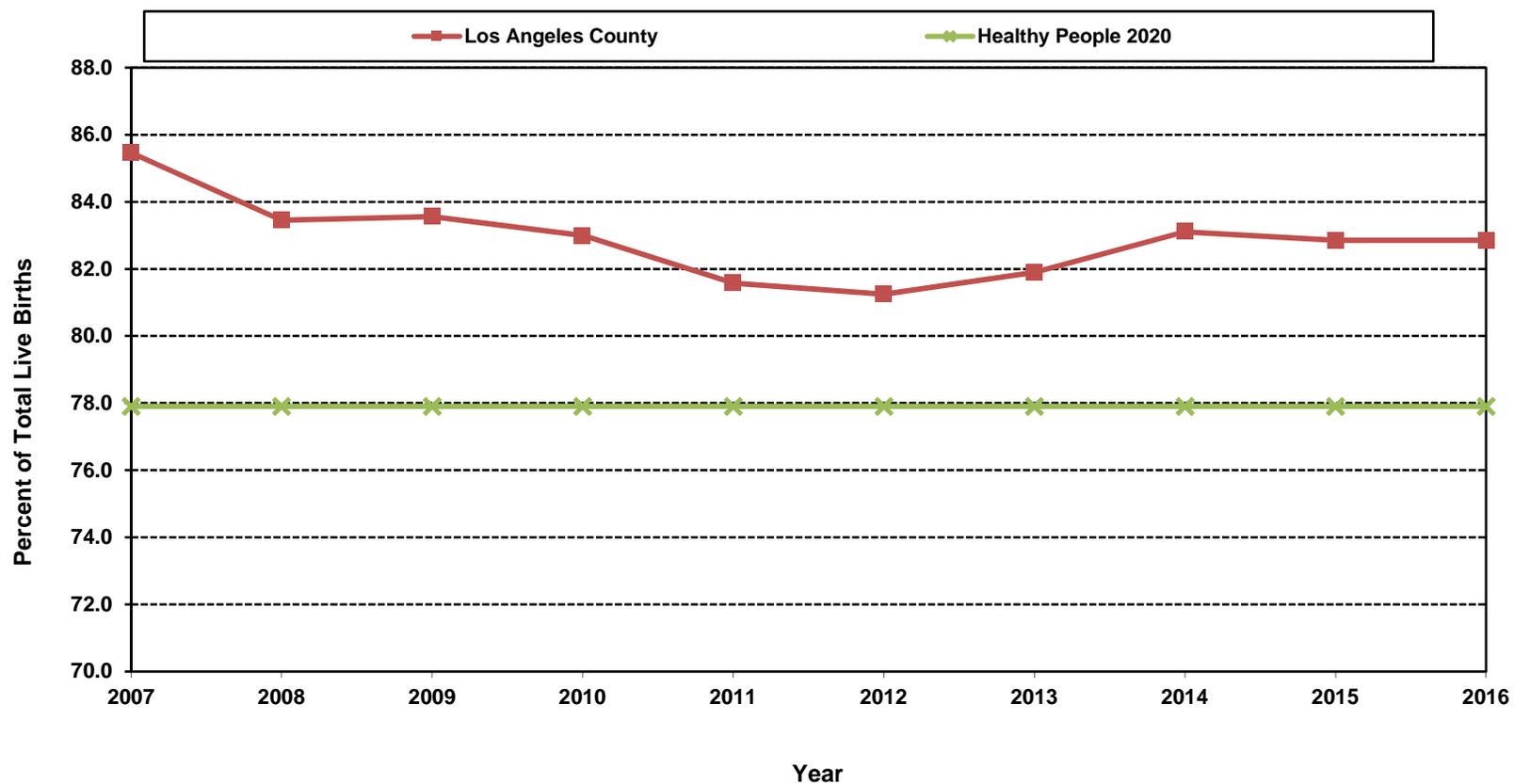
Year	Los Angeles County, 2016			
	First Trimester Prenatal Care		95% Confidence Interval	
	Number	Percent	Lower	Upper
2007	129,741	85.5	85.3	85.6
2008	123,251	83.5	83.3	83.6
2009	116,717	83.6	83.4	83.8
2010	110,516	83.0	82.8	83.2
2011	106,307	81.6	81.4	81.8
2012	106,996	81.2	81.0	81.5
2013	105,259	81.9	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

Denominator: Live Births	
Year	LA County
2007	151,813
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

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, 2016

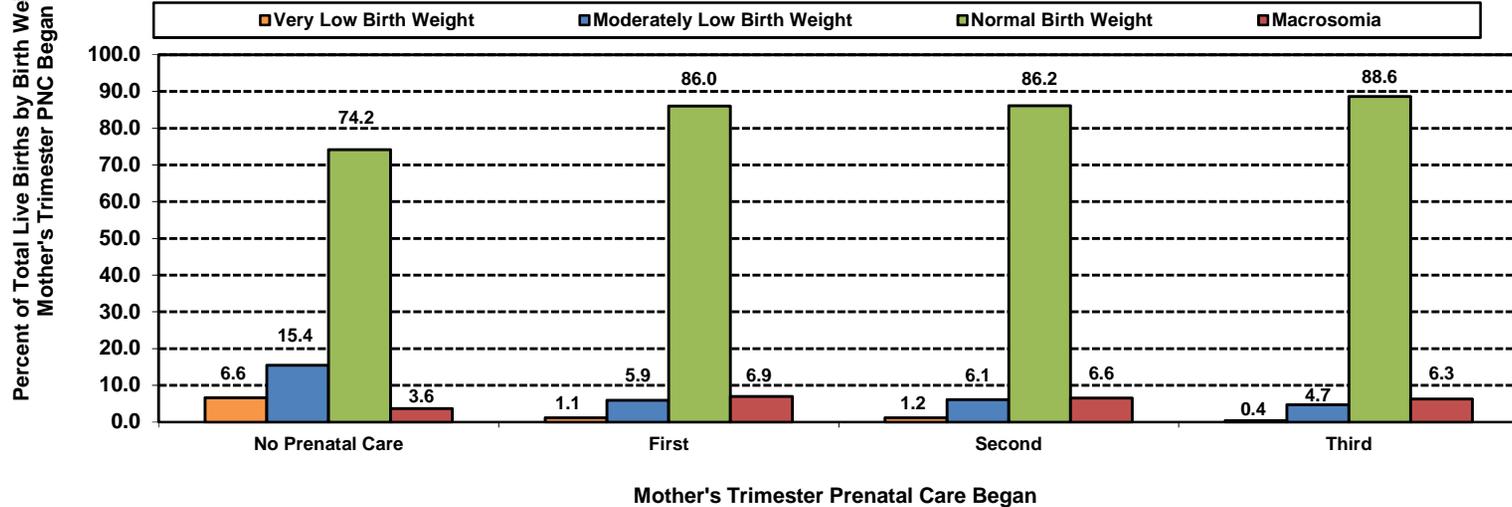
Percent of First Trimester Entry Into Prenatal Care Los Angeles County, 2007-2016



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, 2016

Distribution of Total Live Births by Birth Weight and Mother's Trimester Prenatal Care Began Los Angeles County, 2016



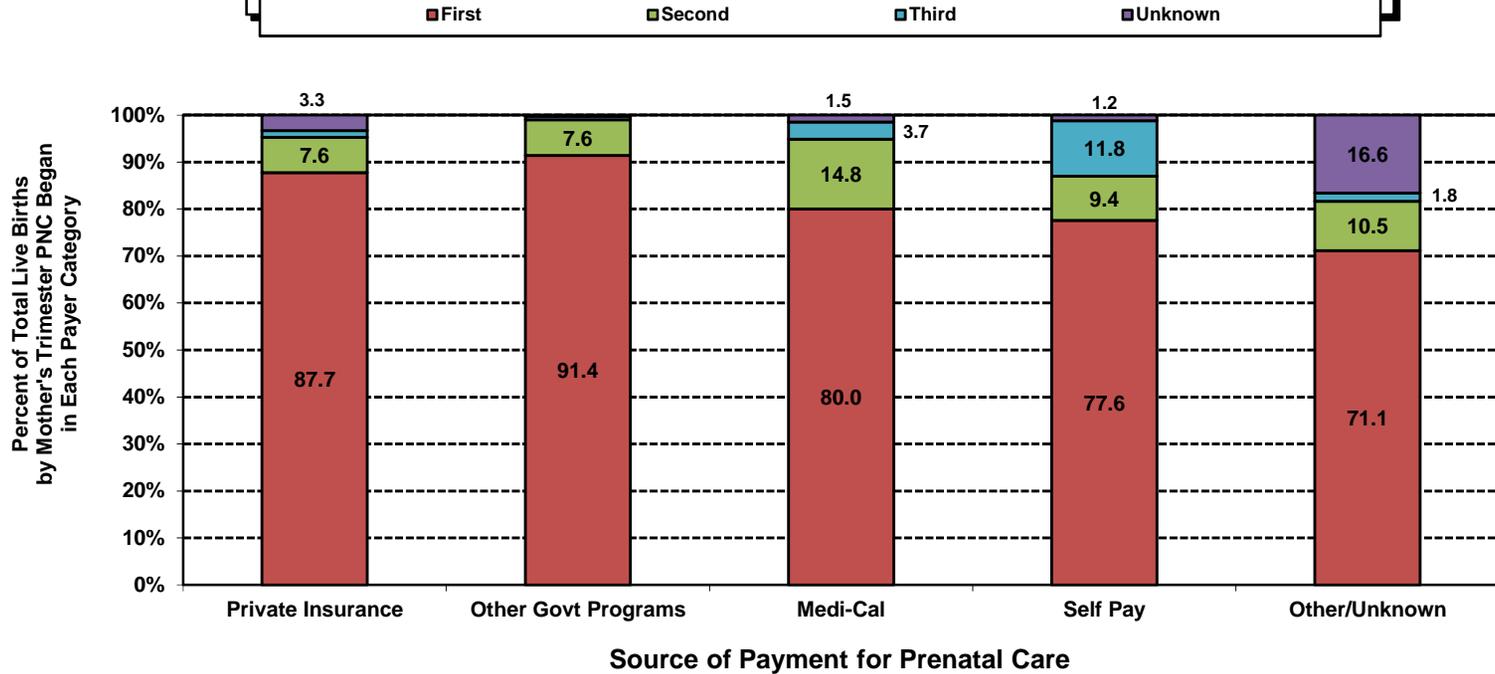
Los Angeles County								
Mother's Trimester Prenatal Care Began	Very Low Birth Weight		Moderately Low Birth Weight		Normal Birth Weight		Macrosomia	
	0 to 1,499 grams		1,500 to 2,499 grams		2,500 to 3,999 grams		4,000+ grams	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
No Prenatal Care	38	6.6	89	15.4	428	74.2	21	3.6
First	1,147	1.1	6,032	5.9	87,635	86.0	7,041	6.9
Second	158	1.2	830	6.1	11,697	86.2	890	6.6
Third	15	0.4	176	4.7	3,331	88.6	236	6.3
Unknown	72	2.3	226	7.1	2,659	83.8	214	6.7
Total	1,430	1.2	7,353	6.0	105,750	86.0	8,402	6.8

Total Live Births
577
101,858
13,575
3,758
3,173
122,941

Source: California Department of Public Health, Birth Statistical Master Files, 2016.

Distribution of Total Live Births by Mother's Trimester Prenatal Care Began and by Source of Payment for Prenatal Care

Los Angeles County 2016

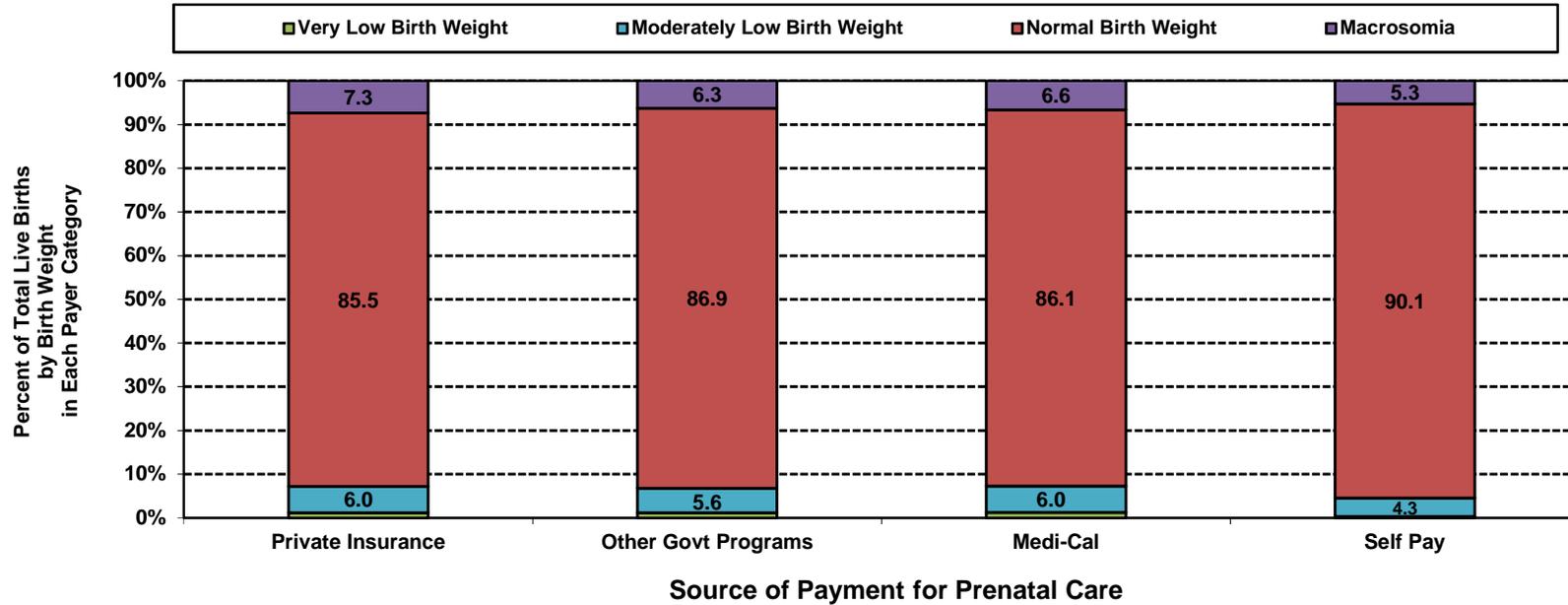


Los Angeles County									
Source of Payment for Prenatal Care	Mother's Trimester Prenatal Care Began								Total Live Births
	First		Second		Third		Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Private Insurance	46,460	87.7	4,000	7.6	746	1.4	1,765	3.3	52,971
Other Govt Programs	2,391	91.4	199	7.6	19	0.7	7	0.3	2,616
Medi-Cal	45,359	80.0	8,398	14.8	2,082	3.7	848	1.5	56,687
Self Pay	5,671	77.6	687	9.4	862	11.8	91	1.2	7,311
Other/Unknown	1,977	71.1	291	10.5	49	1.8	462	16.6	2,779
Total	101,858	82.9	13,575	11.0	3,758	3.1	3,173	2.6	122,941

Note: The sum of certain categories may not equate to countywide totals as women who did not receive prenatal care (n=577) were excluded from this analysis.

Source: California Department of Public Health, Birth Statistical Master Files, 2016.

Distribution of Total Live Births by Birth Weight and by Source of Payment for Prenatal Care Los Angeles County, 2016



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	605	1.1	3,196	6.0	45,286	85.5	3,883	7.3	52,971
Other Govt Programs	30	1.1	147	5.6	2,274	86.9	165	6.3	2,616
Medi-Cal	701	1.2	3,426	6.0	48,804	86.1	3,754	6.6	56,687
Self Pay	20	0.3	314	4.3	6,590	90.1	387	5.3	7,311
Other/Unknown	36	1.3	181	6.5	2,368	85.2	192	6.9	2,779
Total	1,430	1.2	7,353	6.0	105,750	86.0	8,402	6.8	122,941

Note: The sum of certain categories may not equate to countywide totals as women who did not receive prenatal care (n=577) were excluded from this analysis.
 Source: California Department of Public Health, Birth Statistical Master Files, 2016.

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, 2016			
	Adequate Prenatal Care		95% Confidence Interval	
	Number	Percent	Lower	Upper
2007	130,333	85.9	85.7	86.0
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

Denominator: Live Births	
Year	LA County
2007	151,813
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

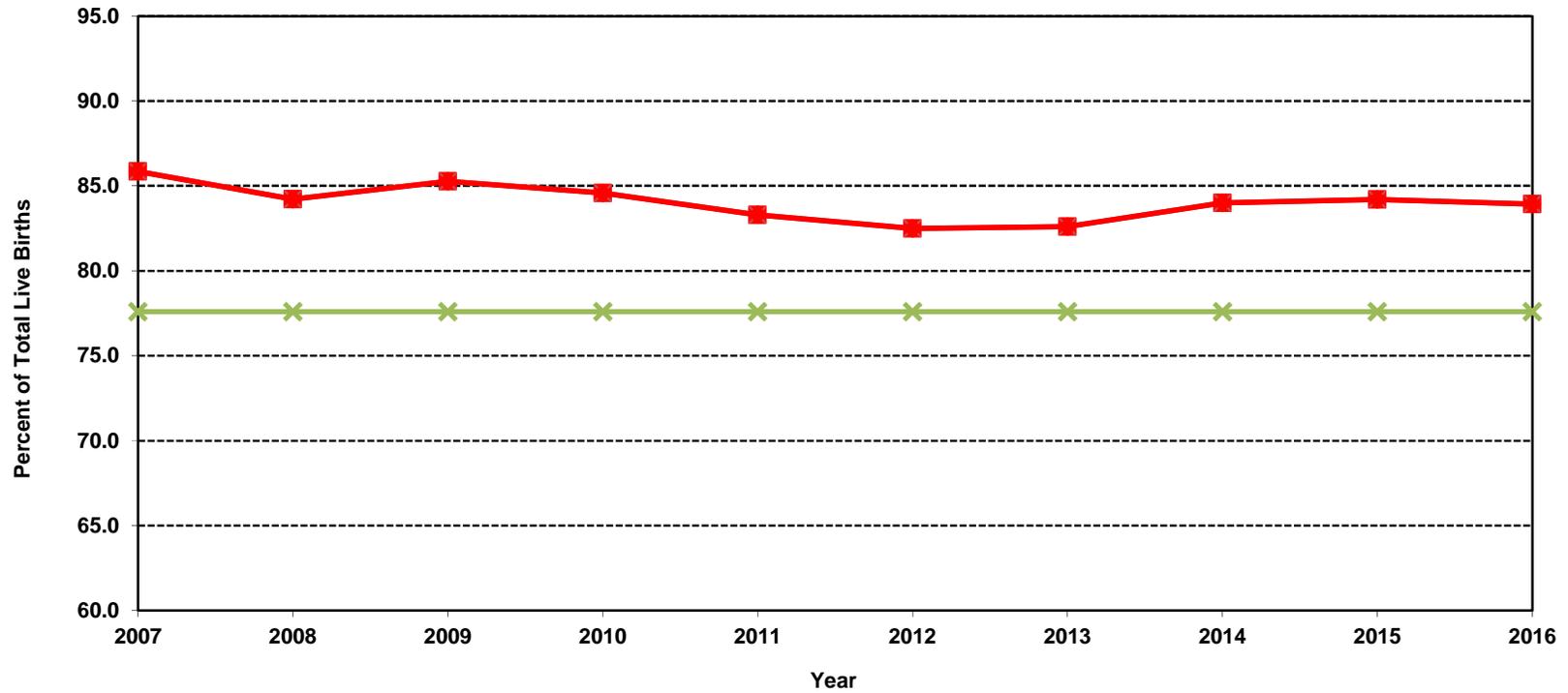
Year 2020 Objective: Increase the proportion of pregnant women who receive early and adequate prenatal care to 77.6 percent of live births.

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

Source: California Department of Public Health, Birth Statistical Master Files, 2016

**Percent of Total Live Births with "Adequate" Prenatal Care
as Rated by the Adequacy of Prenatal Care Utilization Index (APNCU)
Los Angeles County, 2007-2016**

■ Los Angeles County
 ✕ Health People 2020

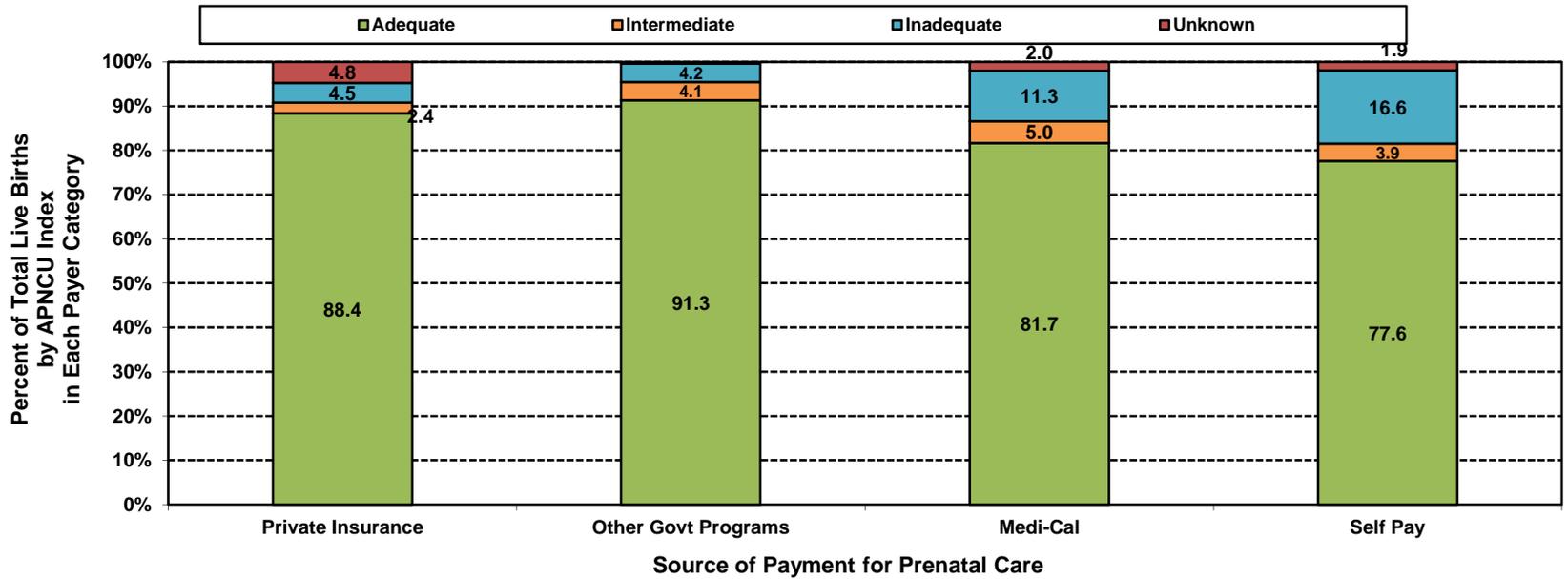


Year 2020 Objective: Increase the proportion of pregnant women who receive early and adequate prenatal care to 77.6 percent of live births.

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, 2016.

**Distribution of Total Live Births by Adequacy of Prenatal Care Utilization Index (APNCU)
and by Source of Payment for Prenatal Care
Los Angeles County, 2016**



Los Angeles County									
Source of Payment for Prenatal Care	Adequacy of Prenatal Care Utilization Index								Total Live Births
	Adequate		Intermediate		Inadequate		Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Private Insurance	46,820	88.4	1,268	2.4	2,361	4.5	2,522	4.8	52,971
Other Govt Programs	2,389	91.3	108	4.1	109	4.2	10	0.4	2,616
Medi-Cal	46,291	81.7	2,821	5.0	6,422	11.3	1,153	2.0	56,687
Self Pay	5,675	77.6	286	3.9	1,210	16.6	140	1.9	7,311
Other/Unknown	2,017	72.6	78	2.8	161	5.8	523	18.8	2,779
Total	103,192	83.9	4,561	3.7	10,840	8.8	4,348	3.5	122,941

Note: The sum of certain categories may not equate to countywide totals as women who did not receive prenatal care (n=577) were excluded from this analysis.

Data Source: California Department of Public Health, Birth Statistical Master Files, 2016.