

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

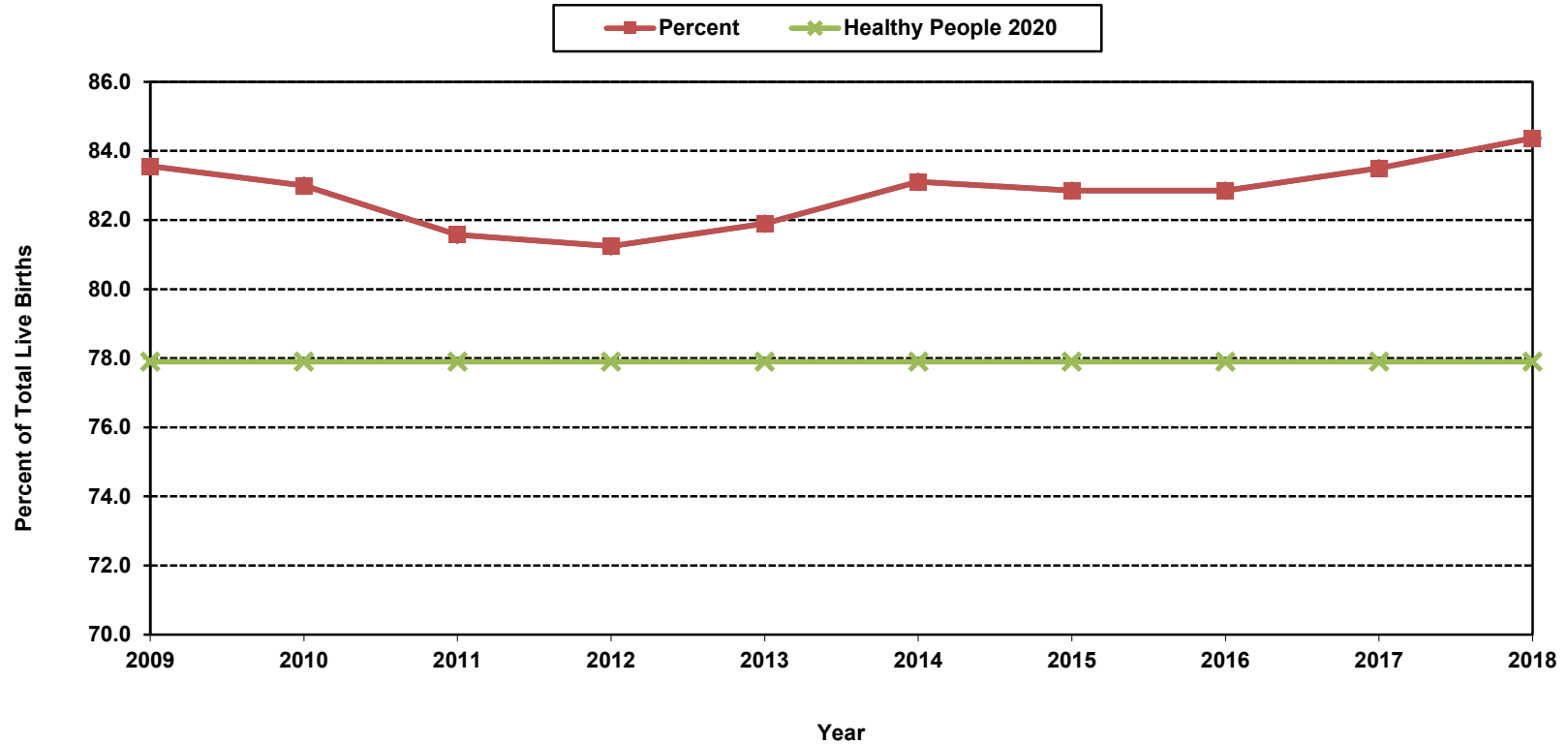
Year	Los Angeles County, 2018			
	First Trimester Prenatal Care		95% Confidence Interval	
	Number	Percent	Lower	Upper
2009	116,717	83.6	83.4	83.8
2010	110,516	83.0	82.8	83.2
2011	106,307	81.6	81.4	81.8
2012	106,996	81.2	81.0	81.5
2013	105,259	81.9	81.7	82.1
2014	108,161	83.1	82.9	83.3
2015	103,155	82.9	82.6	83.1
2016	101,858	82.9	82.6	83.1
2017	97,572	83.5	83.3	83.7
2018	92,721	84.4	84.2	84.6

Denominator: Live Births	
Year	LA County
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
2018	109,893

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

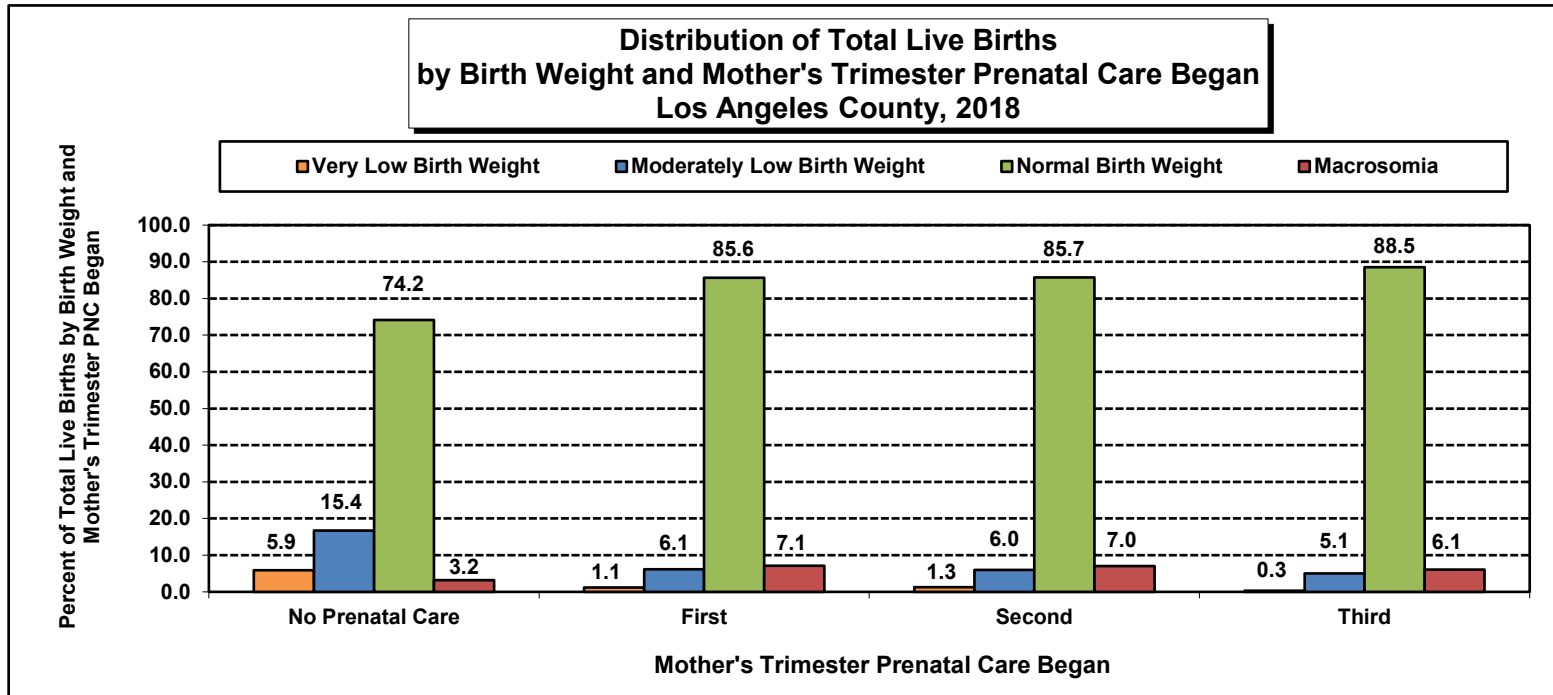
Source: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20
California Department of Public Health, Birth Statistical Master Files, 2009-2017

Percent of First Trimester Entry Into Prenatal Care Los Angeles County, 2009-2018



Sources: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20
California Department of Public Health, Birth Statistical Master Files, 2009-2017

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.

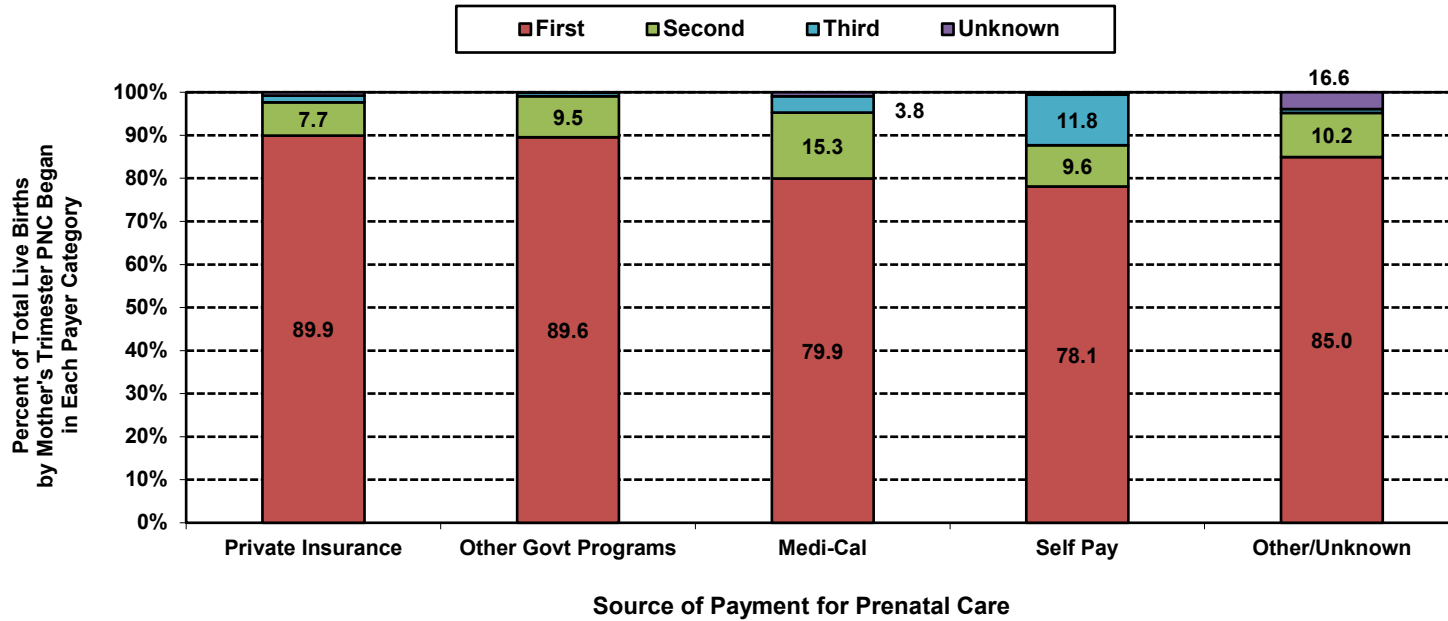


Los Angeles County									
Mother's Trimester Prenatal Care Began	Very Low Birth Weight		Moderately Low Birth Weight		Normal Birth Weight		Macrosomia		Total Live Births
	0 to 1,499 grams		1,500 to 2,499 grams		2,500 to 3,999 grams		4,000+ grams		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
No Prenatal Care	37	5.9	104	16.7	462	74.2	20	3.2	623
First	1,062	1.1	5,682	6.1	79,387	85.6	6,590	7.1	92,721
Second	160	1.3	730	6.0	10,517	85.7	859	7.0	12,266
Third	11	0.3	168	5.1	2,941	88.5	202	6.1	3,322
Unknown	35	3.6	90	9.4	775	80.6	59	6.1	961
Total	1,305	1.2	6,774	6.2	94,082	85.6	7,730	7.0	109,893

Total Live Births
623
92,721
12,266
3,322
961
109,893

Source: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20

**Distribution of Total Live Births
by Mother's Trimester Prenatal Care Began
and by Source of Payment for Prenatal Care
Los Angeles County, 2018**



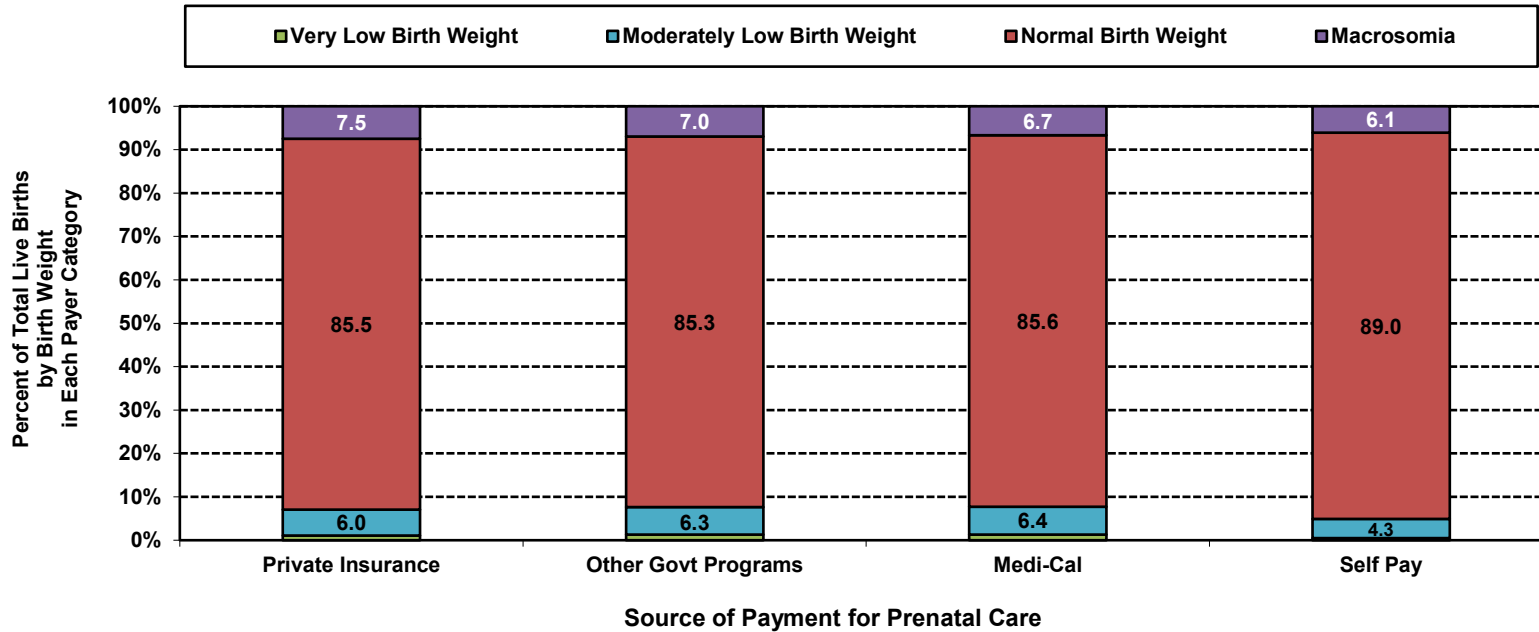
Los Angeles County								
Source of Payment for Prenatal Care	Mother's Trimester Prenatal Care Began							
	First		Second		Third		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Private Insurance	45,841	89.9	3,940	7.7	813	1.6	394	0.8
Other Govt Programs	2,512	89.6	266	9.5	23	0.8	3	0.1
Medi-Cal	38,104	79.9	7,296	15.3	1,827	3.8	440	0.9
Self Pay	4,224	78.1	519	9.6	637	11.8	30	0.6
Other/Unknown	2,040	85.0	245	10.2	22	0.9	94	3.9
Total	92,721	84.4	12,266	11.2	22	0.0	961	0.9

Total Live Births
50,988
2,804
47,667
5,410
2,401
109,893

Note: The sum of certain categories may not equate to countywide totals as women who did not receive prenatal care (n=623) were excluded from this analysis.

Source: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20

Distribution of Total Live Births by Birth Weight and by Source of Payment for Prenatal Care Los Angeles County, 2018



Los Angeles County								
Source of Payment for Prenatal Care	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
Private Insurance	535	1.0	3,048	6.0	43,581	85.5	3,823	7.5
Other Govt Programs	37	1.3	178	6.3	2,393	85.3	196	7.0
Medi-Cal	621	1.3	3,054	6.4	40,806	85.6	3,186	6.7
Self Pay	27	0.5	237	4.4	4,814	89.0	331	6.1
Other/Unknown	48	2.0	153	6.4	2,026	84.4	174	7.2
Total	1,305	1.2	6,774	6.2	94,082	85.6	7,730	7.0

Total Live Births
50,988
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47,667
5,410
2,401
109,893

Note: The sum of certain categories may not equate to countywide totals as women who did not receive prenatal care (n=623) were excluded from this analysis.

Source: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20

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, 2018			
	Adequate Prenatal Care		95% Confidence Interval	
	Number	Percent	Lower	Upper
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
2018	92,684	84.3	84.1	84.6

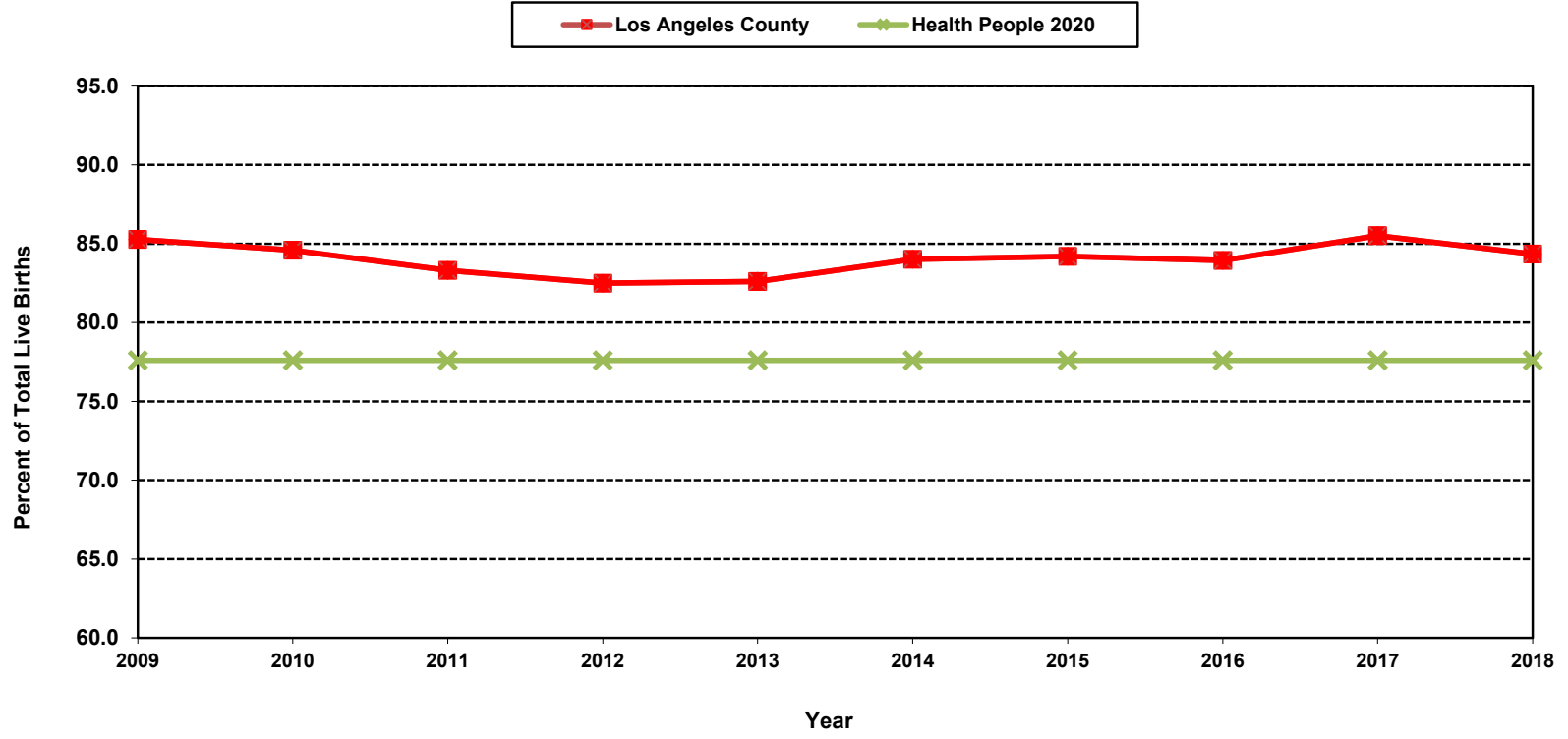
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Year 2020 Objective: Increase the proportion of pregnant women who receive early and adequate prenatal care to 77.6 percent of live births.

Note: 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).

Sources: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20
 California Department of Public Health, Birth Statistical Master Files, 2009-2017

**Percent of Total Live Births with "Adequate" Prenatal Care
as Rated by the Adequacy of Prenatal Care Utilization Index (APNCU)
Los Angeles County, 2009-2018**

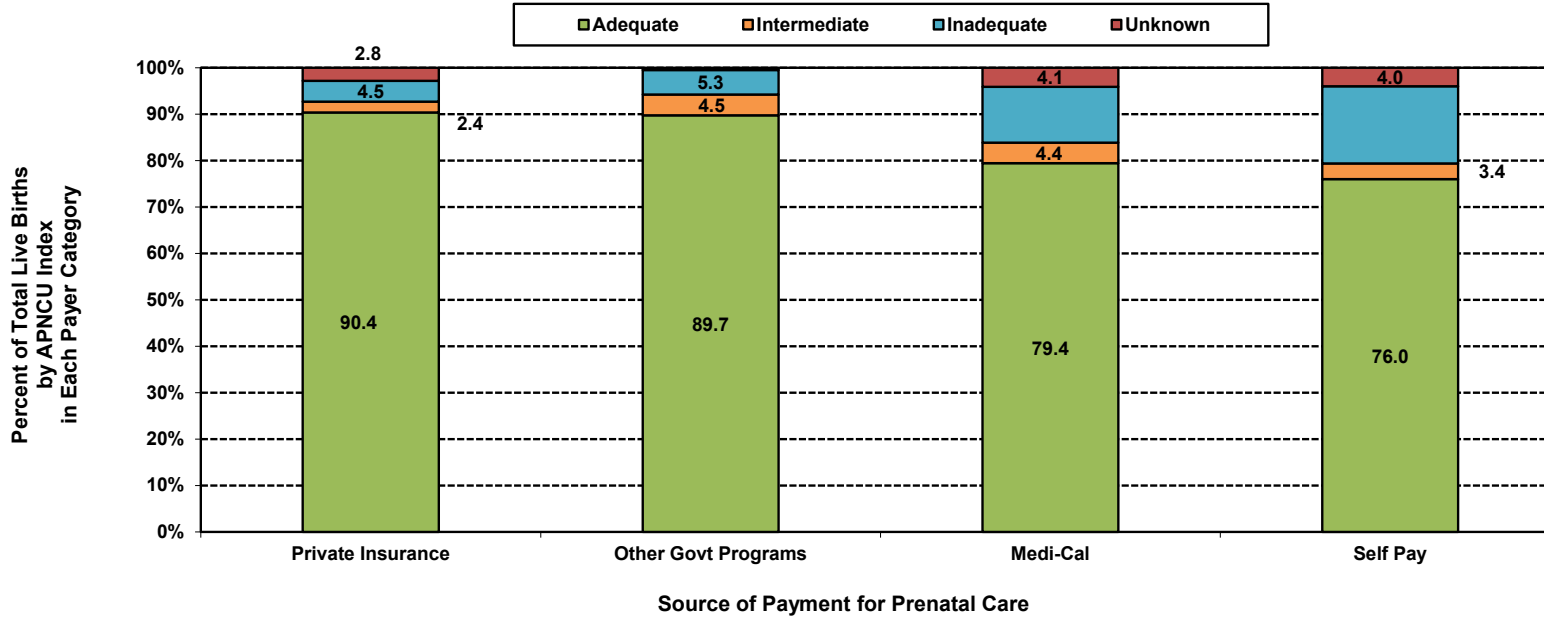


Year 2020 Objective: Increase the proportion of pregnant women who receive early and adequate prenatal care to 77.6 percent of live births.

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California Department of Public Health, Birth Statistical Master Files, 2009-2017

**Distribution of Total Live Births by Adequacy of Prenatal Care Utilization Index (APNCU)
and by Source of Payment for Prenatal Care
Los Angeles County, 2018**



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	46,069	90.4	1,200	2.4	2,289	4.5	1,430	2.8
Other Govt Programs	2,516	89.7	126	4.5	148	5.3	14	0.5
Medi-Cal	37,857	79.4	2,110	4.4	5,742	12.0	1,958	4.1
Self Pay	4,113	76.0	183	3.4	899	16.6	215	4.0
Other/Unknown	2,129	88.7	43	1.8	73	3.0	156	6.5
Total	92,684	84.3	3,662	3.3	9,774	8.9	3,773	3.4

Total Live Births
50,988
2,804
47,667
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Sources: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20
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