

Preterm Live Births

INDICATOR: Percent of Preterm Live Births

DEFINITION:

The percent of live births occurring at less than 37 weeks of gestation.

NUMERATOR: The number of live births occurring at less than 37 weeks of gestation,

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:

Reduce preterm births to an incidence of no more than 11.4 percent of live births.

(Baseline: 12.7 percent in 2007) (Objective MICH-9.1)

RISK FACTORS:

Young or old maternal age; low income; race/ethnicity (African American); short interpregnancy intervals; multiple gestation; poor reproductive history; certain uterine or cervical abnormalities; certain birth defects in the baby; obesity; prior preterm birth; no prenatal care or late entry into prenatal care; low prepregnancy weight; tobacco use during pregnancy; alcohol/substance abuse during pregnancy; low pregnancy weight gain; stress during pregnancy; strenuous exertion during pregnancy; long working hours with long periods of standing; diabetes; high blood pressure; clotting disorders (thrombophilia); vaginal bleeding; vaginal infections; urinary tract infections; domestic violence; being pregnant with a single fetus after in vitro fertilization (IVF)

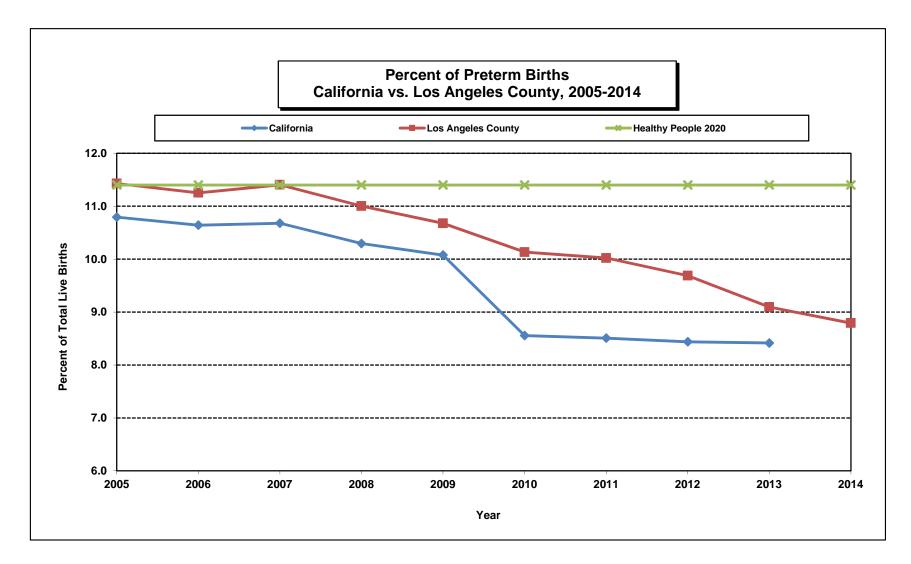
	California					Los Angel	les County		
Year	Preterm Live Birth 95%		95% Confide	95% Confidence Interval		Preterm Live Birth		95% Confidence Interval	
i eai	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper	
2005	59,225	10.8	10.7	10.9	17,186	11.4	11.3	11.6	
2006	59,824	10.6	10.6	10.7	17,086	11.3	11.1	11.4	
2007	60,451	10.7	10.6	10.8	17,314	11.4	11.2	11.6	
2008	56,777	10.3	10.2	10.4	16,248	11.0	10.8	11.2	
2009	53,081	10.1	10.0	10.2	14,914	10.7	10.5	10.8	
2010	43,527	8.6	8.5	8.6	13,493	10.1	10.0	10.3	
2011	42,616	8.5	8.4	8.6	13,059	10.0	9.9	10.2	
2012	42,427	8.4	8.4	8.5	12,758	9.7	9.5	9.8	
2013	41,540	8.4	8.3	8.5	11,688	9.1	8.9	9.3	
2014	#N/A	#N/A	N/C	N/C	11,442	8.8	8.6	8.9	

Denominator: Live Births							
Year	California	LA County					
2005	548,700	150,377					
2006	562,157	151,837					
2007	566,137	151,813					
2008	551,567	147,684					
2009	526,774	139,679					
2010	508,748	133,160					
2011	500,909	130,313					
2012	502,722	131,697					
2013	493,587	128,526					
2014	502,973	130,150					

Note: Gestation is calculated from reported date of last menses.

California 2007-2010 data included live births occurring less than 17 weeks.

California 2014 data on preterm live births is currently unavailable (N/A). Rates are not calculated (N/C).

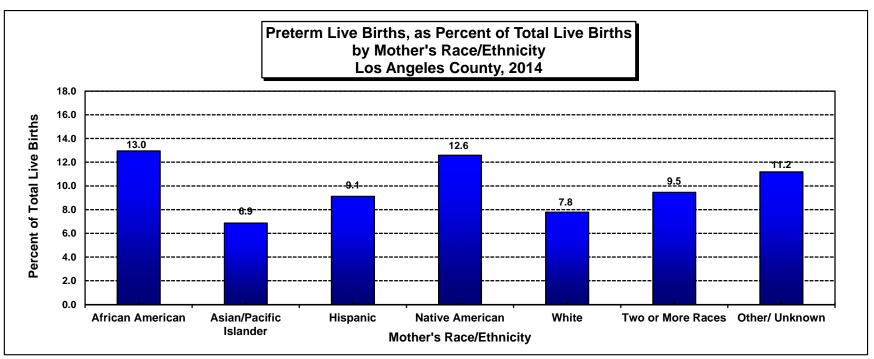


Note: Preterm live births is defined as live births occurring at less than 37 weeks of gestation.

California 2007-2010 data included live births occurring less than 17 weeks.

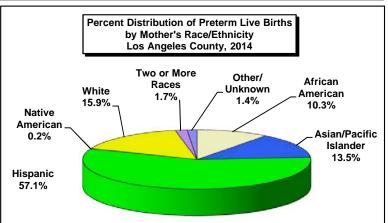
Gestation is calculated from reported date of last menses.

California live birth data for 2014 is unavailiable.



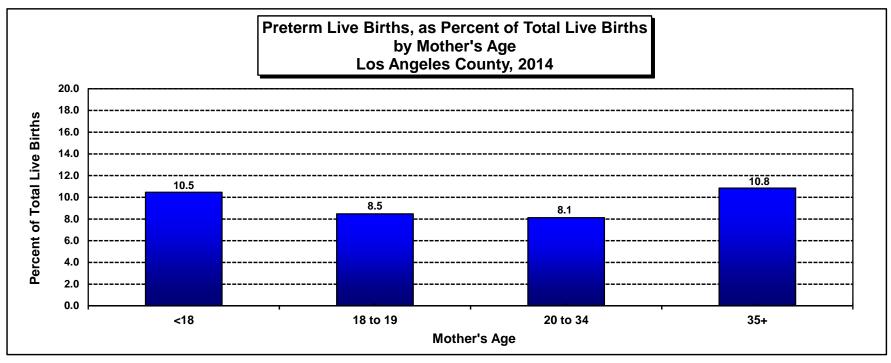
Los Angeles County, 2014						
Mother's	Preterm Live Birth 95% Co			nfidence Interval		
Race/Ethnicity	Number	Percent	Lower	Upper		
African American	1,175	13.0	12.3	13.6		
Asian/Pacific Islander	1,550	6.9	6.5	7.2		
Hispanic	6,529	9.1	8.9	9.3		
Native American	18	12.6	7.2	18.0		
White	1,818	7.8	7.4	8.1		
Two or More Races	191	9.5	8.2	10.7		
Other/ Unknown	161	11.2	9.6	12.8		
Total	11,442	8.8	8.6	8.9		

Total Live Births	
9,069	
22,586	
71,566	
143	
23,327	
2,020	
1,439	
130,150	



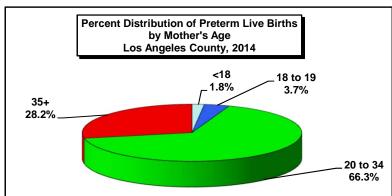
Note: Preterm live births is defined as live births occurring at less than 37 weeks of gestation.

Gestation is calculated from reported date of last menses.



Los Angeles County, 2014							
Mother's Age	Preterm I	_ive Birth	95% Confidence Interva				
	Number	Percent	Lower	Upper			
<18	208	10.5	9.1	11.8			
18 to 19	426	8.5	7.7	9.2			
20 to 34	7,582	8.1	7.9	8.3			
35+	3,224	10.8	10.5	11.2			
Other/ Unknown	<5	N/C	N/C	N/C			
Total	11,442	8.8	8.6	8.9			

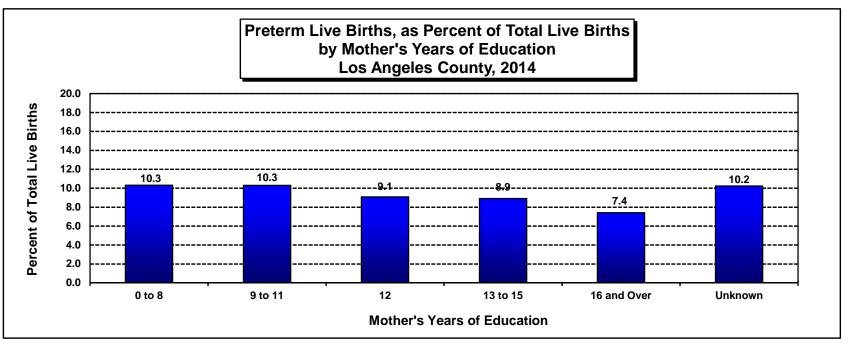
Total Live Births	
1,987	
5,026	
93,405	
29,719	
13	
130,150	
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Note: Preterm live births is defined as live births occurring at less than 37 weeks of gestation.

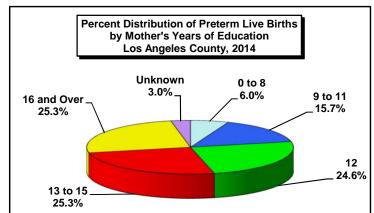
Gestation is calculated from reported date of last menses.

Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.



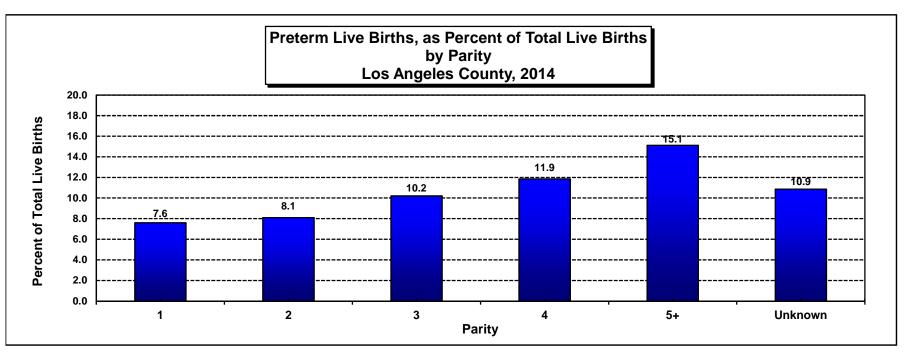
Los Angeles County, 2014							
Mother's Years of Education	Preterm Live Births 95% Confidence In			ence Interval			
rears of Education	Number	Percent	Lower	Upper			
0 to 8	681	10.3	9.6	11.0			
9 to 11	1,797	10.3	9.8	10.7			
12	2,820	9.1	8.8	9.4			
13 to 15	2,900	8.9	8.6	9.2			
16 and Over	2,896	7.4	7.1	7.7			
Unknown	348	10.2	9.2	11.3			
Total	11,442	8.8	8.6	8.9			

Total Live Births
6,604
17,457
31,034
32,556
39,098
3,401
130,150



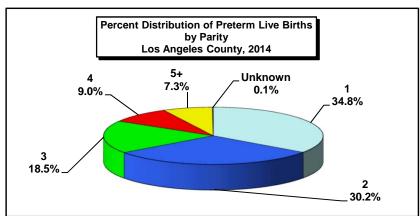
Note: Preterm live births is defined as live births occurring at less than 37 weeks of gestation.

Gestation is calculated from reported date of last menses.



Los Angeles County, 2014							
Parity	Preterm L	ive Births	95% Confidence Interval				
	Number	Percent	Lower	Upper			
1	3,983	7.6	7.4	7.8			
2	3,458	8.1	7.8	8.4			
3	2,114	10.2	9.8	10.6			
4	1,033	11.9	11.2	12.5			
5+	839	15.1	14.2	16.1			
Unknown	15	10.9	5.7	16.1			
Total	11,442	8.8	8.6	8.9			

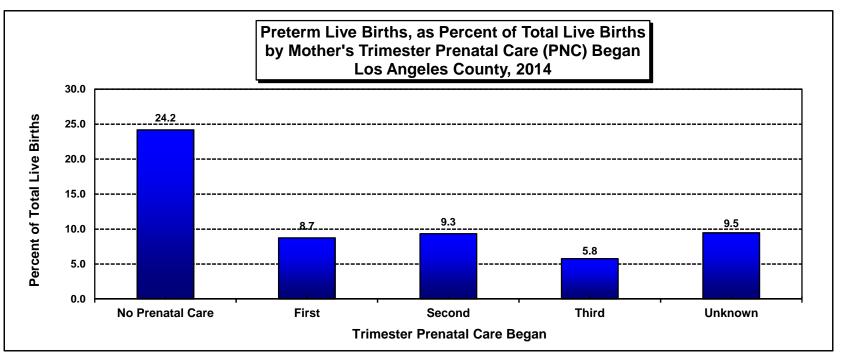
	Total Live Births
I	52,338
I	42,703
	20,711
l	8,713
I	5,547
I	138
I	130,150



Note: Preterm live births is defined as live births occurring at less than 37 weeks of gestation.

Gestation is calculated from reported date of last menses.

Parity = number of pregnancies resulting in live births to a woman.



Los Angeles County, 2014						
Mother's Trimester	Preterm Live Births 95% Confidence Interv			ence Interval		
Prenatal Care Began	Number	Percent	Lower	Upper		
No Prenatal Care	131	24.2	20.6	27.8		
First	9,460	8.7	8.6	8.9		
Second	1,330	9.3	8.9	9.8		
Third	251	5.8	5.1	6.5		
Unknown	270	9.5	8.4	10.5		
Total	11,442	8.8	8.6	8.9		

Total Live Births

542

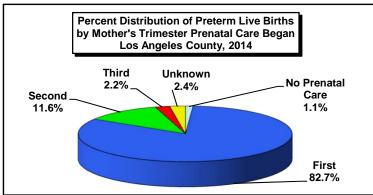
108,161

14,242

4,351

2,854

130,150

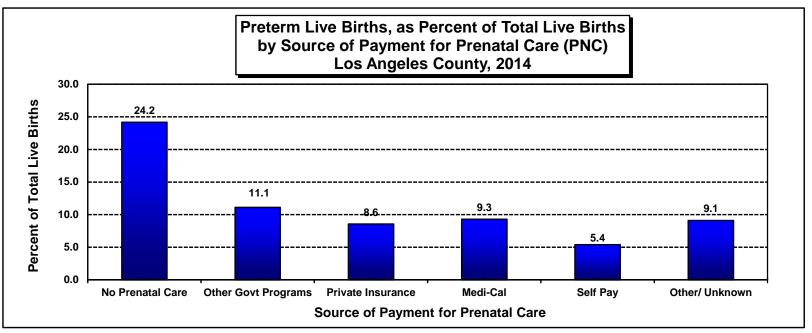


Year 2020 Objective: Reduce preterm live births to an incidence of no more than 11.4 percent of live births.

Note: Preterm live births is defined as live births occurring at less than 37 weeks of gestation.

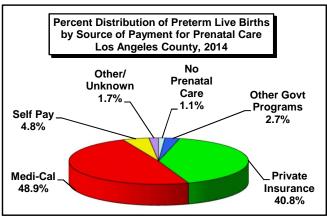
Gestation is calculated from reported date of last menses.

"Trimester Prenatal Care (PNC) Began" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.



Los Angeles County, 2014						
Source of Payment for	Preterm Live Births 95% Confidence II			ence Interval		
Prenatal Care	Number	Percent	Lower	Upper		
No Prenatal Care	131	24.2	20.6	27.8		
Other Govt Programs	305	11.1	9.9	12.3		
Private Insurance	4,665	8.6	8.3	8.8		
Medi-Cal	5,597	9.3	9.1	9.5		
Self Pay	546	5.4	5.0	5.9		
Other/ Unknown	198	9.1	7.9	10.3		
Total	11,442	8.8	8.6	8.9		

Total Live Births	
542	
2,745	
54,512	
60,087	
10,093	
2,171	
130,150	



Note: Preterm live births is defined as live births occurring at less than 37 weeks of gestation.

Gestation is calculated from reported date of last menses.

Early Preterm Live Births

INDICATOR: Percent of Early Preterm Live Births

DEFINITION: The percent of live births occurring at less than 32 weeks of gestation.

NUMERATOR: The number of live births occurring at less than 32 weeks of gestation,

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:

Reduce early preterm births to an incidence of no more than 1.8 percent of live births.

(Baseline: 2.0 percent in 2007) (Objective MICH-9.4)

RISK FACTORS:

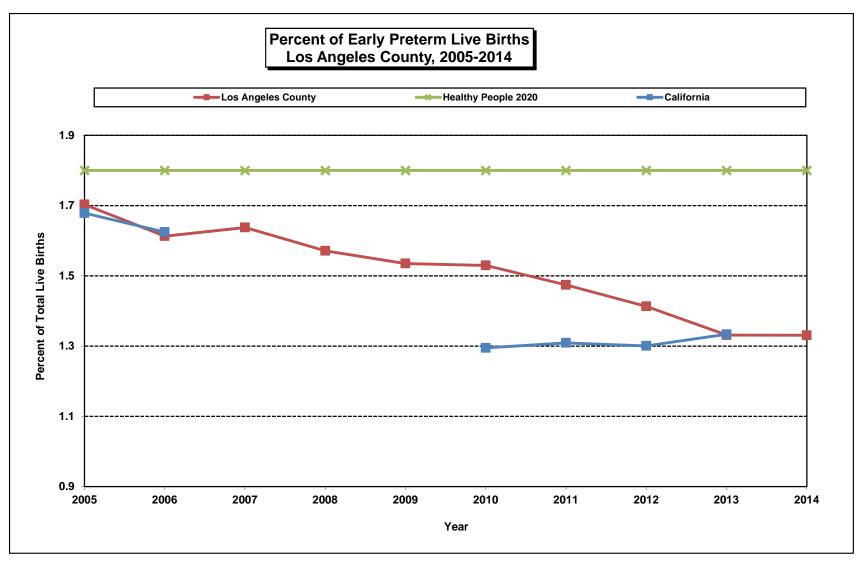
Young or old maternal age; low income; race/ethnicity (African American); short interpregnancy intervals; multiple gestation; poor reproductive history; certain uterine or cervical abnormalities; certain birth defects in the baby; obesity; prior preterm birth; no prenatal care or late entry into prenatal care; low prepregnancy weight; tobacco use during pregnancy; alcohol/substance abuse during pregnancy; low pregnancy weight gain; stress during pregnancy; strenuous exertion during pregnancy; long working hours with long periods of standing; diabetes; high blood pressure; clotting disorders (thrombophilia); vaginal bleeding; vaginal infections; urinary tract infections; domestic violence; being pregnant with a single fetus after in vitro fertilization (IVF)

	California ¹					Los Ange	les County	
Year	Early F	reterm	95% Confidence Interval		Early Preterm		95% Confidence Interval	
rear	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
2005	9,211	1.7	1.6	1.7	2,561	1.7	1.6	1.8
2006	9,132	1.6	1.6	1.7	2,449	1.6	1.5	1.7
2007	N/A		N/A	N/A	2,486	1.6	1.6	1.7
2008	N/A		N/A	N/A	2,320	1.6	1.5	1.6
2009	N/A		N/A	N/A	2,144	1.5	1.5	1.6
2010	6,587	1.3	1.3	1.3	2,037	1.5	1.5	1.6
2011	6,557	1.3	1.3	1.3	1,921	1.5	1.4	1.5
2012	6,538	1.3	1.3	1.3	1,861	1.4	1.3	1.5
2013	6,582	1.3	1.3	1.4	1,711	1.3	1.3	1.4
2014	N/A	N/A	N/A	N/A	1,732	1.3	1.3	1.4

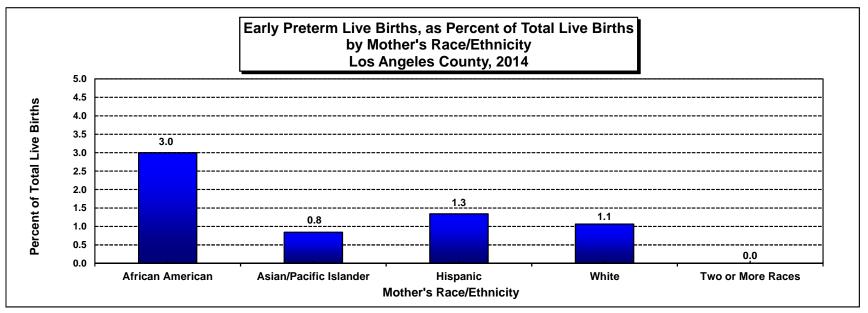
Denominator: Live Births						
Year	California	LA County				
2005	548,700	150,377				
2006	562,157	151,837				
2007	566,137	151,813				
2008	551,567	147,684				
2009	526,774	139,679				
2010	508,748	133,160				
2011	500,909	130,313				
2012	502,722	131,697				
2013	493,587	128,526				
2014	502,973	130,150				

Note: Gestation is calculated from reported date of last menses.

¹ N/A: 2007-2009 data for California not available for retrieval

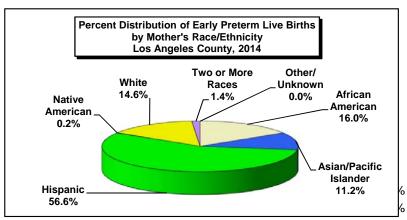


Note: Gestation is calculated from reported date of last menses.



Los Angeles County, 2014						
Mother's	Early P Live B		95% Confidence Interval			
Race/Ethnicity	Number	Percent	Lower	Upper		
African American	272	3.0	2.6	3.4		
Asian/Pacific Islander	190	0.8	0.7	1.0		
Hispanic	959	1.3	1.3	1.4		
Native American	<5	N/C	N/C	N/C		
White	248	1.1	0.9	1.2		
Two or More Races	23	N/A	0.7	1.6		
Other/ Unknown	37	2.6	1.8	3.4		
Total	1,732	1.3	1.3	1.4		

Total Live Births
9,069
22,586
71,566
143
23,327
2,020
1,439
130,150

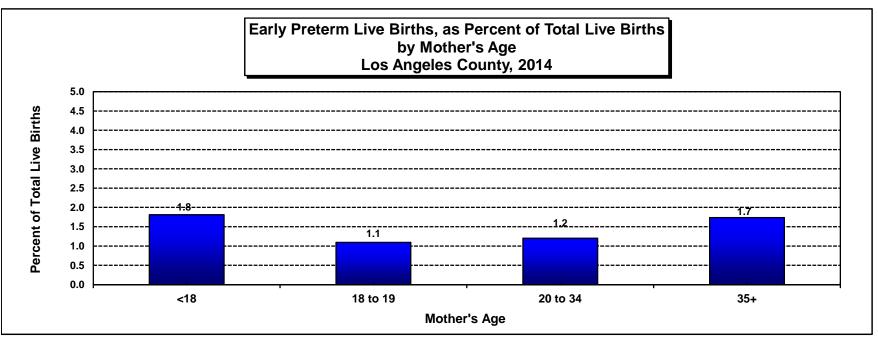


Note: Early preterm live births is defined as live births occurring at less than 32 weeks of gestation.

Gestation is calculated from reported date of last menses.

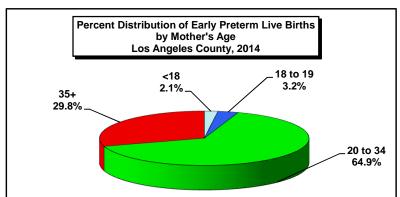
African American, Asian/Pacific Islander, Native American, White and other races exclude Hispanic ethnicity. Hispanic includes any race category.

Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.



Los Angeles County, 2014						
Mother's Age	Early P Live E		95% Confidence Interval			
	Number	Percent	Lower	Upper		
<18	36	1.8	1.2	2.4		
18 to 19	55	1.1	0.8	1.4		
20 to 34	1,124	1.2	1.1	1.3		
35+	517	1.7	1.6	1.9		
Other/Unknown	<5	N/C	N/C	N/C		
Total	1,732	N/A	1.3	1.4		

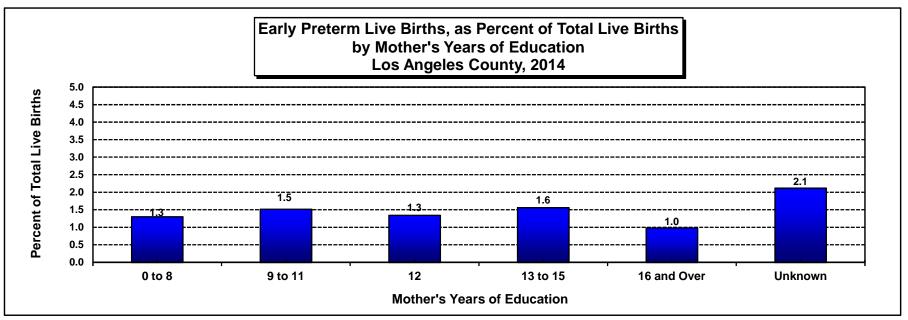
Total Live Births
1,987
5,026
93,405
29,719
13
130,150



Note: Early preterm live births is defined as live births occurring at less than 32 weeks of gestation.

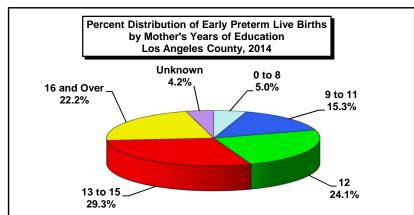
Gestation is calculated from reported date of last menses.

Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.



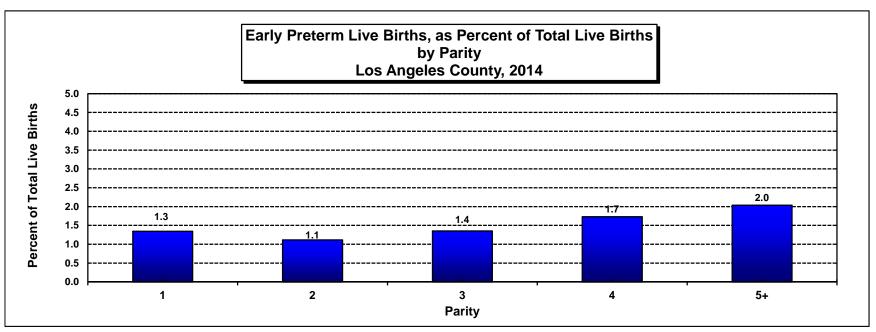
Los Angeles County, 2014						
Mother's Years of Education	Early P Live E		95% Confidence Interval			
Tears of Education	Number	Percent	Lower	Upper		
0 to 8	86	1.3	1.0	1.6		
9 to 11	265	1.5	1.3	1.7		
12	417	1.3	1.2	1.5		
13 to 15	508	1.6	1.4	1.7		
16 and Over	384	1.0	0.9	1.1		
Unknown	72	2.1	1.6	2.6		
Total	1,732	N/A	1.3	1.4		

Total Live Births
6,604
17,457
31,034
32,556
39,098
3,401
130,150



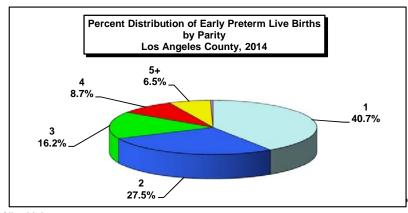
Note: Early preterm live births is defined as live births occurring at less than 32 weeks of gestation.

Gestation is calculated from reported date of last menses.



Los Angeles County, 2014						
Parity	Early P Live E		95% Confidence Interval			
	Number	Percent	Lower	Upper		
1	705	1.3	1.2	1.4		
2	476	1.1	1.0	1.2		
3	280	1.4	1.2	1.5		
4	151	1.7	1.5	2.0		
5+	113	2.0	1.7	2.4		
Unknown	7	N/A	1.4	8.7		
Total	1,732	1.3	1.3	1.4		

Total Live Births
52,338
42,703
20,711
8,713
5,547
138
130,150

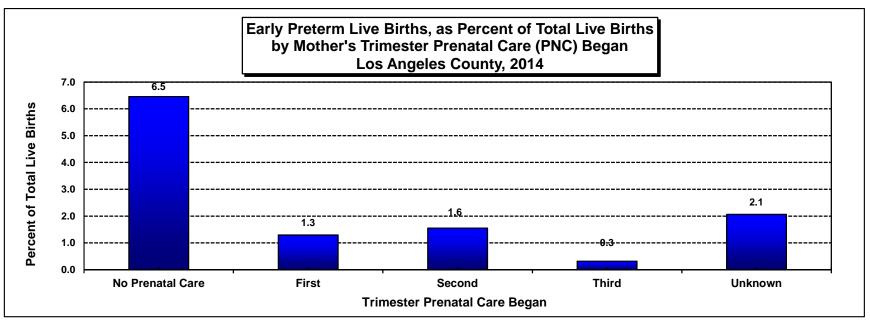


Note: Early preterm live births is defined as live births occurring at less than 32 weeks of gestation.

Gestation is calculated from reported date of last menses.

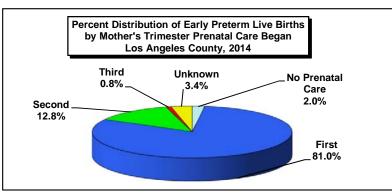
Parity = number of pregnancies resulting in live births to a woman.

Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.



Los Angeles County, 2014						
Mother's Trimester	Early Preterm Live Births		95% Confidence Interval			
Prenatal Care Began	Number	Percent	Lower	Upper		
No Prenatal Care	35	6.5	4.4	8.5		
First	1,403	1.3	1.2	1.4		
Second	221	1.6	1.3	1.8		
Third	14	0.3	0.2	0.5		
Unknown	59	2.1	1.5	2.6		
Total	1,732	N/A	1.3	1.4		

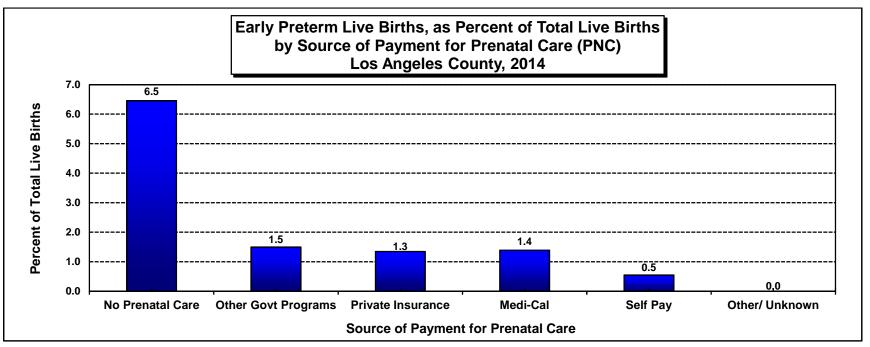
	Total Live Births
	542
	108,161
	14,242
	4,351
	2,854
	130,150
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Note: Early preterm live births is defined as live births occurring at less than 32 weeks of gestation.

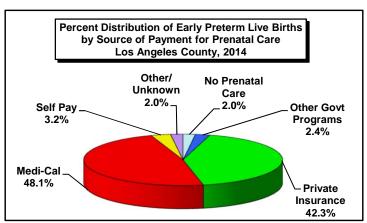
Gestation is calculated from reported date of last menses.

"Trimester Prenatal Care (PNC) Began" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.



Los Angeles County, 2014						
Source of Payment for Prenatal Care	Early Preterm Live Births		95% Confidence Interval			
Frendial Care	Number	Percent	Lower	Upper		
No Prenatal Care	35	6.5	4.4	8.5		
Other Govt Programs	41	1.5	1.0	1.9		
Private Insurance	733	1.3	1.2	1.4		
Medi-Cal	833	1.4	1.3	1.5		
Self Pay	55	0.5	0.4	0.7		
Other/ Unknown	35	N/A	1.1	2.1		
Total	1,732	1.3	1.3	1.4		

Total Live Births
542
2,745
54,512
60,087
10,093
2,171
130,150



Gestation is calculated from reported date of last menses.

Note: Early preterm live births is defined as live births occurring at less than 32 weeks of gestation.

Moderate Preterm Live Births

INDICATOR: Percent of Moderate Preterm Live Births

DEFINITION: The percent of live births occurring at 32 weeks to 36 weeks of gestation.

NUMERATOR: The number of live births occurring at 32 weeks to 36 weeks of gestation, 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:

Reduce moderate preterm live births between 34 to 36 weeks of gestation to no more than 8.1 percent of live births; reduce moderate preterm live births between 32 to 33 weeks of gestation to no more than 1.6 percent of live births. (Baseline: 9.0 percent in 2007) (Objective MICH 9.2)

RISK FACTORS:

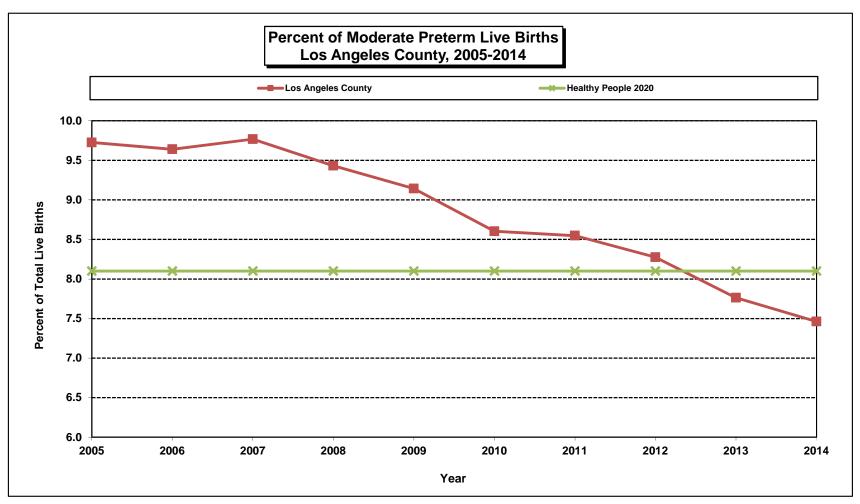
Young or old maternal age; low income; race/ethnicity (African American); short interpregnancy intervals; multiple gestation; poor reproductive history; certain uterine or cervical abnormalities; certain birth defects in the baby; obesity; prior preterm birth; no prenatal care or late entry into prenatal care; low prepregnancy weight; tobacco use during pregnancy; alcohol/substance abuse during pregnancy; low pregnancy weight gain; stress during pregnancy; strenuous exertion during pregnancy; long working hours with long periods of standing; diabetes; high blood pressure; clotting disorders (thrombophilia); vaginal bleeding; vaginal infections; urinary tract infections; domestic violence; being pregnant with a single fetus after in vitro fertilization (IVF)

	Los Angeles County				
Year	Moderate	Moderate Preterm		ence Interval	
rear	Number	Percent	Lower	Upper	
2005	14,625	9.7	9.6	9.9	
2006	14,637	9.6	9.5	9.8	
2007	14,828	9.8	9.6	9.9	
2008	13,928	9.4	9.3	9.6	
2009	12,770	9.1	9.0	9.3	
2010	11,456	8.6	8.5	8.8	
2011	11,138	8.5	8.4	8.7	
2012	10,897	8.3	8.1	8.4	
2013	9,977	7.8	7.6	7.9	
2014	9,710	7.5	7.3	7.6	

Denominator: Live Births				
Year	LA County			
2005	150,377			
2006	151,837			
2007	151,813			
2008	147,684			
2009	139,679			
2010	133,160			
2011	130,313			
2012	131,697			
2013	128,526			
2014	130,150			

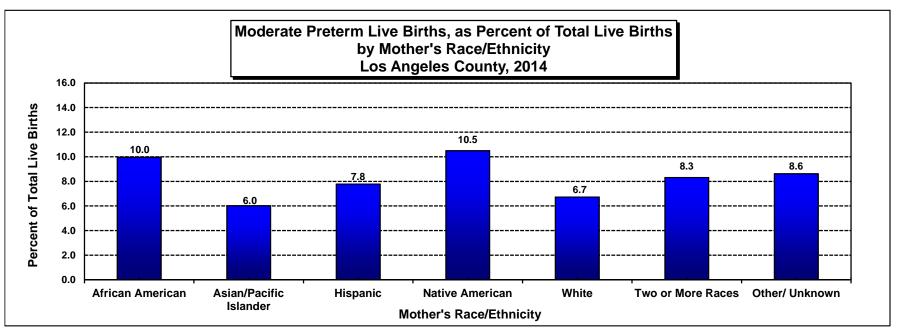
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2005-2014.

Note: Gestation is calculated from reported date of last menses.



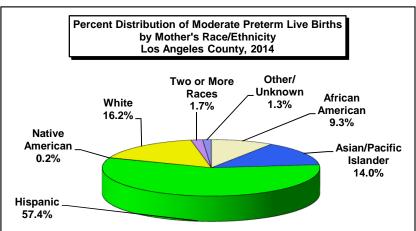
Note: Moderate preterm live births is defined as live births occurring at 32 weeks through 36 weeks of gestation.

Gestation is calculated from reported date of last menses.



Los Angeles County, 2014						
Mother's	Moderate Preterm Live Births		95% Confidence Interval			
Race/Ethnicity	Number	Percent	Lower	Upper		
African American	903	10.0	9.3	10.6		
Asian/Pacific Islander	1,360	6.0	5.7	6.3		
Hispanic	5,570	7.8	7.6	8.0		
Native American	15	10.5	5.5	15.5		
White	1,570	6.7	6.4	7.1		
Two or More Races	168	8.3	7.1	9.5		
Other/ Unknown	124	8.6	7.2	10.1		
Total	9,710	7.5	7.3	7.6		

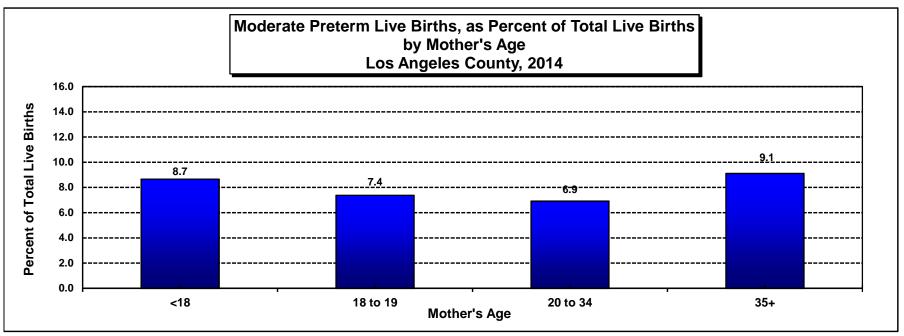
Total Live Births
9,069
22,586
71,566
143
23,327
2,020
1,439
130,150



Note: Moderate preterm live births is defined as live births occurring at 32 weeks through 36 weeks of gestation.

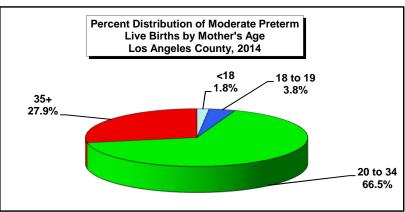
Gestation is calculated from reported date of last menses.

African American, Asian/Pacific Islander, Native American, White and other races exclude Hispanic ethnicity. Hispanic includes any race category.



Los Angeles County, 2014						
Mother's Age	Moderate P Bir		95% Confidence Interv			
	Number	Percent	Lower	Upper		
<18	172	8.7	7.4	9.9		
18 to 19	371	7.4	6.7	8.1		
20 to 34	6,458	6.9	6.8	7.1		
35+	2,707 9.1		8.8	9.4		
Other/Unknown	<5	N/C	N/C	N/C		
Total	9,710	7.5	7.3	7.6		

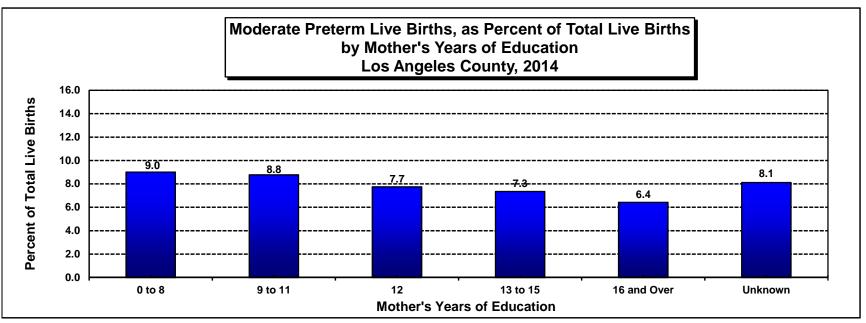
	Total Live Births
I	1,987
	5,026
	93,405
ı	29,719
ı	13
I	130,150



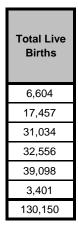
Note: Moderate preterm live births is defined as live births occurring at 32 weeks through 36 weeks of gestation.

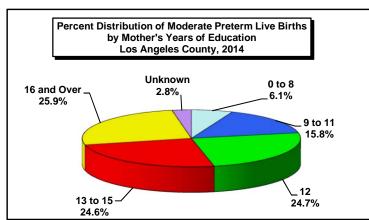
Gestation is calculated from reported date of last menses.

Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.



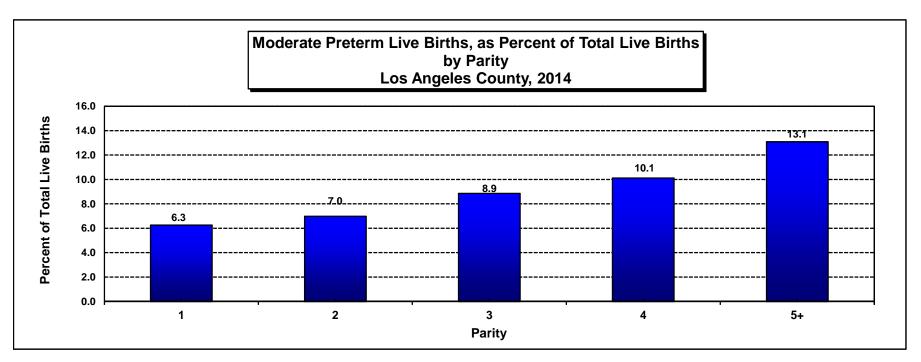
Los Angeles County, 2014						
Mother's Years of Education	Moderate P Bir		95% Confidence Interva			
Tears of Education	Number	Percent	Lower	Upper		
0 to 8	595	9.0	8.3	9.7		
9 to 11	1,532	8.8	8.4	9.2		
12	2,403	7.7	7.4	8.0		
13 to 15	2,392	7.3	7.1	7.6		
16 and Over	2,512	6.4	6.2	6.7		
Unknown	276	8.1	7.2	9.0		
Total	9,710	7.5	7.3	7.6		



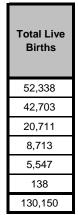


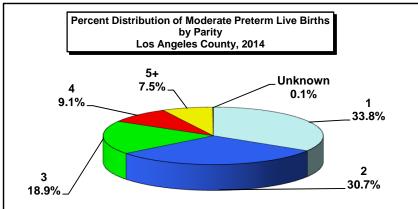
Note: Moderate preterm live births is defined as live births occurring at 32 weeks through 36 weeks of gestation.

Gestation is calculated from reported date of last menses.



Los Angeles County, 2014						
Parity	Moderate Preterm Live Births		195% Contidence Interva			
	Number	Percent	Lower	Upper		
1	3,278	6.3	6.1	6.5		
2	2,982	7.0	6.7	7.2		
3	1,834	8.9	8.5	9.2		
4	882	10.1	9.5	10.8		
5+	726 13.1		12.2	14.0		
Unknown	8 5.8		1.9	9.7		
Total	9,710	7.5	7.3	7.6		



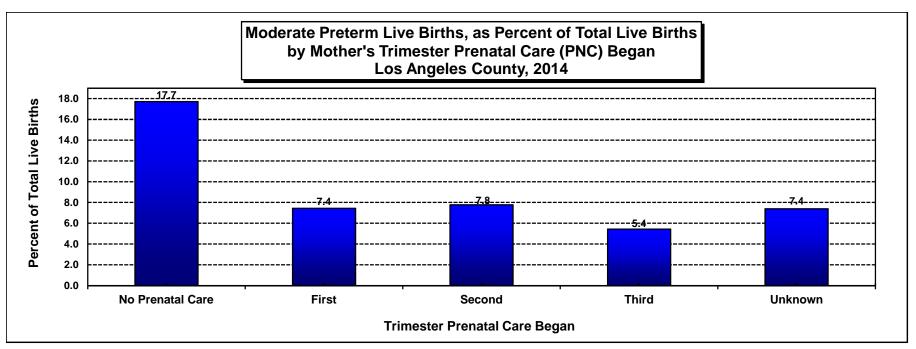


Year 2020 Objective: Reduce moderate preterm live births between 34 to 36 weeks of gestation to no more than 8.1 percent of live births; reduce moderate preterm live births between 32 to 33 weeks of gestation to no more than 1.6 percent of live births.

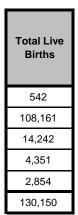
Note: Moderate preterm live births is defined as live births occurring at 32 weeks through 36 weeks of gestation.

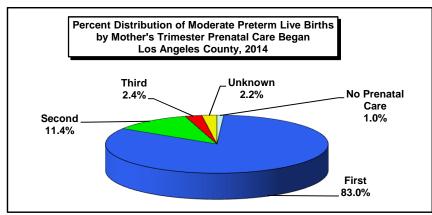
Gestation is calculated from reported date of last menses.

Parity = number of pregnancies resulting in live births to a woman.



Los Angeles County, 2014						
Mother's Trimester	Moderate P Bir	reterm Live ths	95% Confidence Interven			
Prenatal Care Began	Number	Percent	Lower	Upper		
No Prenatal Care	96	17.7	14.5	20.9		
First	8,057	7.4	7.3	7.6		
Second	1,109	7.8	7.3	8.2		
Third	237	5.4	4.8	6.1		
Unknown	211	7.4	6.4	8.4		
Total	9,710	7.5	7.3	7.6		

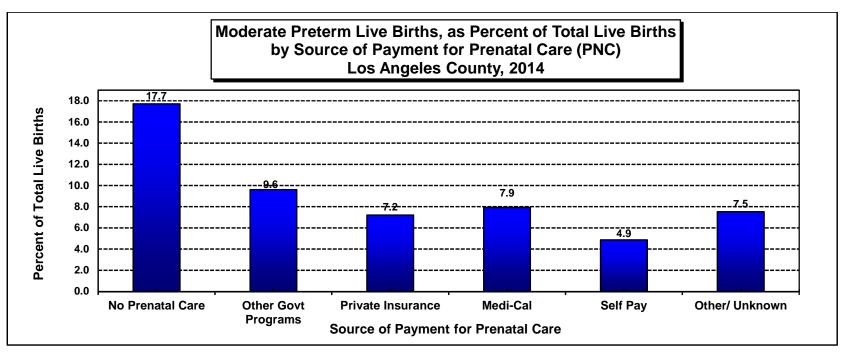




Note: Moderate preterm live births is defined as live births occurring at 32 weeks through 36 weeks of gestation.

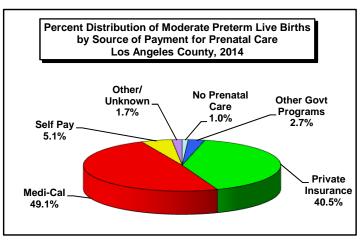
Gestation is calculated from reported date of last menses.

"Trimester Prenatal Care (PNC) Began" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.



Los Angeles County, 2014					
Source of Payment for Prenatal Care	Moderate Preterm Live Births		95% Confidence Interval		
	Number	Percent	Lower	Upper	
No Prenatal Care	96	17.7	14.5	20.9	
Other Govt Programs	264	9.6	8.5	10.7	
Private Insurance	3,932	7.2	7.0	7.4	
Medi-Cal	4,764	7.9	7.7	8.1	
Self Pay	491	4.9	4.4	5.3	
Other/ Unknown	163	7.5	6.4	8.6	
Total	9,710	7.5	7.3	7.6	

Total Live Births		
542	I	
2,745		
54,512		
60,087		
10,093		
2,167		
130,146		



Note: Moderate preterm live births is defined as live births occurring at 32 weeks through 36 weeks of gestation.

Gestation is calculated from reported date of last menses.