

# Maternal Child and Adolescent Health Indicators

MCAH Advisory Board Meeting  
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Community Health Branch

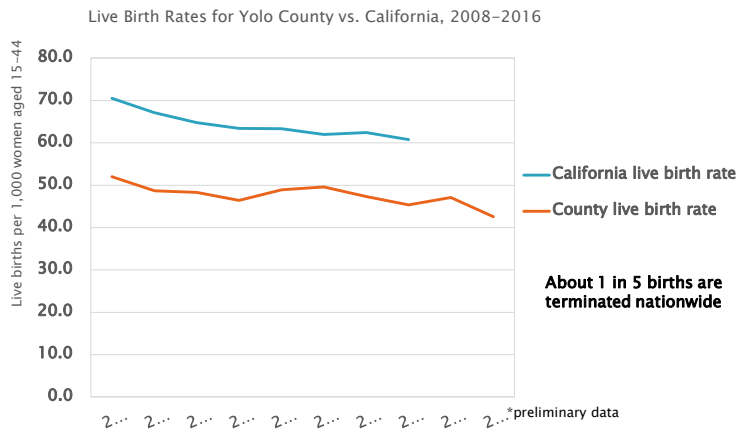
Additional Maternal and  
Child Health Indicators



# Additional Perinatal Indicators

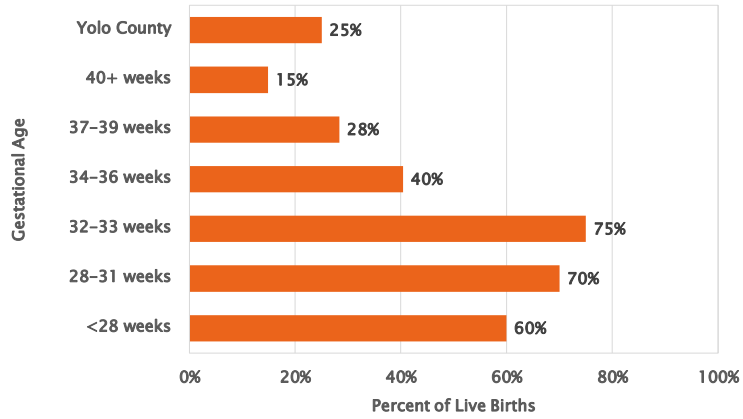
- » General Fertility (Birth) Rates
- C-Section by Infant GA
- Gestational Diabetes (GDM)
- Maternal Obesity
- Yolo County vs. HP2020

## Live Birth Rate, Yolo County vs. California, 2008-2017



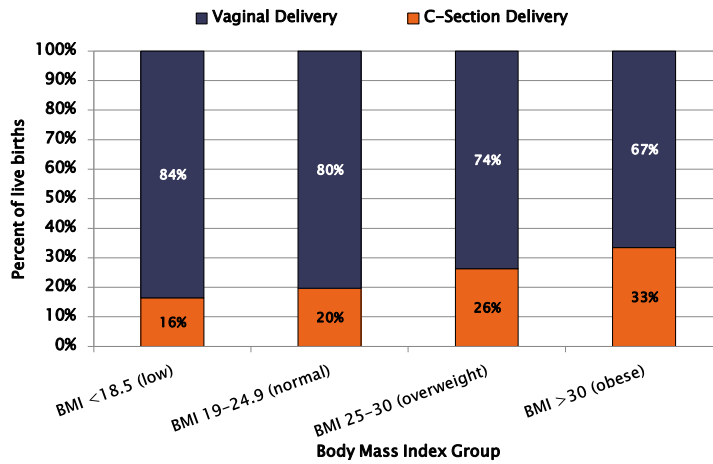
Source: : Yolo County HHSA Community Health Branch, Live Births

## Percent of Live Births delivered by C-Section by Infant Gestational Age, Yolo County 2016



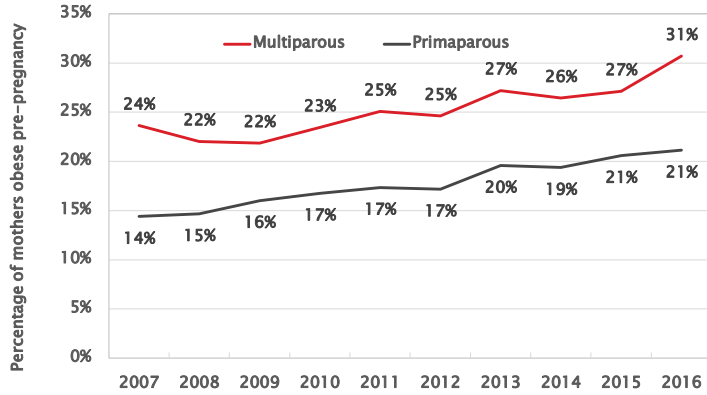
Source: Yolo County HHSA Community Health Branch, Live Births

## Percentage of Live Births by Delivery Type vs. Pre-Pregnancy BMI, Yolo County 2016



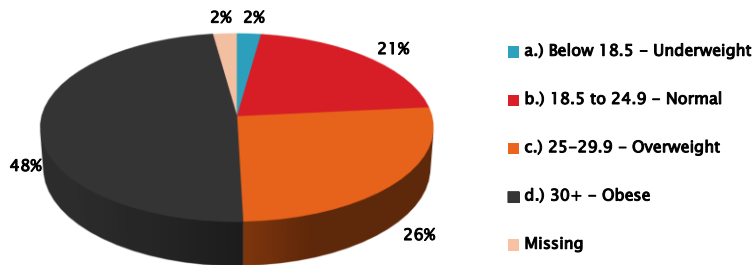
Source: Yolo County HHSA Community Health Branch, Live Births

### Pre-Pregnancy Maternal Obesity by Parity, Yolo County 2007-2016



Source: Yolo County HHSA Community Health Branch, Live Births

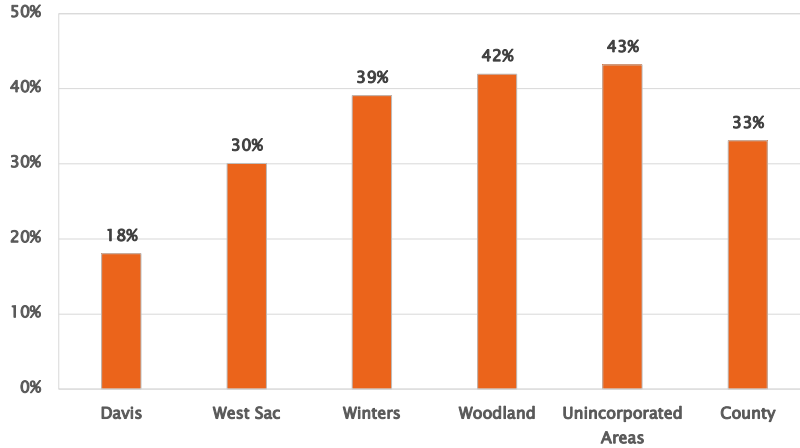
### Percentage of Yolo County Live Births with Gestational Diabetes by BMI, 2016



The Chi-Squared p-value for the table is  $p < 0.001$

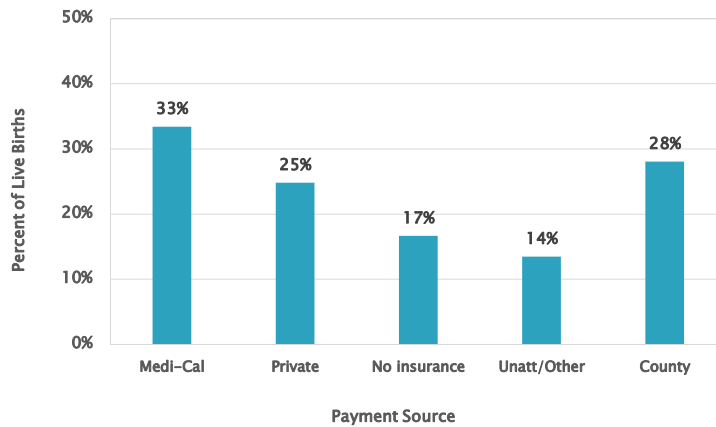
Source: Yolo County HHSA Community Health Branch, Live Births

### Pre-Pregnancy Maternal Obesity by City, Yolo County Mothers, 2016



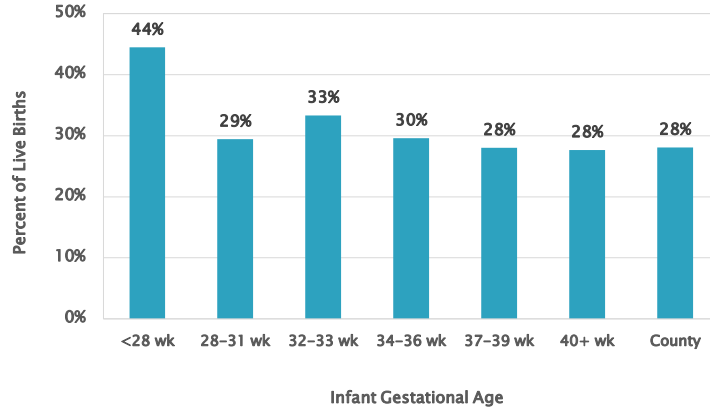
Source: Yolo County HHSA Community Health Branch, Live Births

### Pre-Pregnancy Maternal Obesity by Insurance Source, Yolo County Mothers, 2016



Source: Yolo County HHSA Community Health Branch, Live Births

## Pre-Pregnancy Maternal Obesity by Infant Gestational Age, Yolo County Mothers, 2016



Source: Yolo County HHSA Community Health Branch, Live Births

## Yolo County vs. HP2020 Targets

| Indicator                        | Yolo County (2016) | HP2020 | Achieved? |
|----------------------------------|--------------------|--------|-----------|
| First-trimester prenatal care    | 80.2%              | 77.6%  | ★         |
| Preterm birth (<37 wks)          | 7.7%               | 9.4%   | ★         |
| Low birthweight (<2500 g)        | 6.3%               | 7.8%   | ★         |
| Very low birthweight (<1500 g)   | 1.0%               | 1.4%   | ★         |
| Vaginal birth after C/S rate     | 16.3%              | 81.7%  |           |
| Pre-pregnancy healthy weight     | 44.7%              | 57.8%  |           |
| % who are avoiding:              |                    |        |           |
| Alcohol consumption in pregnancy | 94.9%*             | 98.6%  |           |
| Binge drinking in pregnancy      | No data            | 100%   |           |
| Illicit drug use in pregnancy    | No data            | 100%   |           |
| Smoking in pregnancy             | 98.2%              | 98.6%  |           |

Source: Yolo County HHSA Community Health Branch, Live Births and \*Maternal & Infant Health Assessment (2013-14)

## Additional Early Childhood (Age 0 to 4) Indicators

- » In-hospital Exclusive Breastfeeding
- Yolo vs. other CA counties
- Yolo vs. HP2020

### Yolo County vs. Top Large CA Counties, In-Hospital Exclusive Breastfeeding, 2016

| California County | Ranking  | % Exclusively Breastfed in Hospital |
|-------------------|----------|-------------------------------------|
| Santa Cruz        | 1        | 92.2%                               |
| Marin             | 2        | 90.2%                               |
| Nevada            | 3        | 89.5%                               |
| Sonoma            | 4        | 87.0%                               |
| Napa              | 5        | 84.2%                               |
| <b>Yolo</b>       | <b>5</b> | <b>84.2%</b>                        |

Source: Yolo County WIC Program, Raptor database

## Yolo County vs. HP2020 Exclusive Breastfeeding Rates

| Indicator               | Yolo County | HP2020 |
|-------------------------|-------------|--------|
| Any BF @ birth†         | 97.2%       | 81.9%  |
| Exclusively BF @ 3 mos* | 32.8%‡      | 46.2%  |
| Exclusively BF @ 6 mos* | 25.4%       | 25.5%  |

†Any in-hospital breastfeeding  
 \*WIC infants only  
 ‡Only data are at 2 mos old

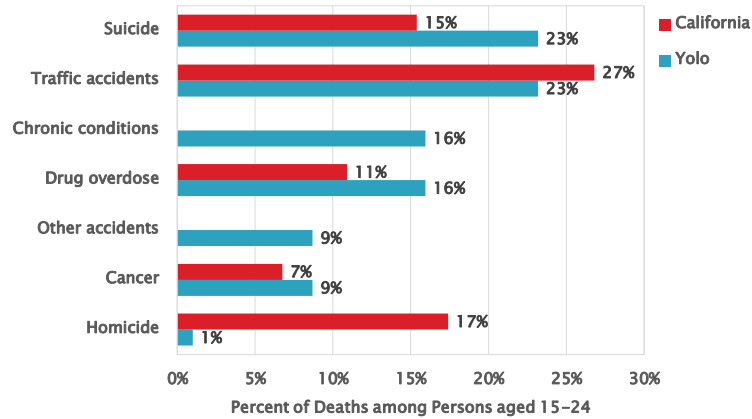
Source: Yolo County WIC Program, Raptor database

## Additional Teen/Young Adult Indicators

»» Leading Causes of Death -  
Yolo County vs. California



## Leading Causes of Death (n=69), Yolo County (2012-17) vs. California (2016) Age 15-24 yrs



Source: VRBIS Yolo County Death Records & CDC Wonder database (CA)

## Pregnant Women – Data We Don't Have

- ▶ Hospitalizations for mental health (MH) or substance abuse in pregnancy
- ▶ Very difficult to write code and pregnancy status may not be recorded
- ▶ Family Health Outcomes Project (FHOP) – updated for 5-year needs assessment, last available year 2014
- ▶ Not all OB/GYNs are screening for PMADs
- ▶ Primary care data on prevalence of MH/substance/opioid use in pregnancy
- ▶ Primary care women wellness visits (age 15-44)

## Infants – Data We Don't Have

- ▶ 3-mo exclusive and any breastfeeding (WIC data are 2-mo-olds)
- ▶ Our data are only for WIC infants

## Next Steps?

