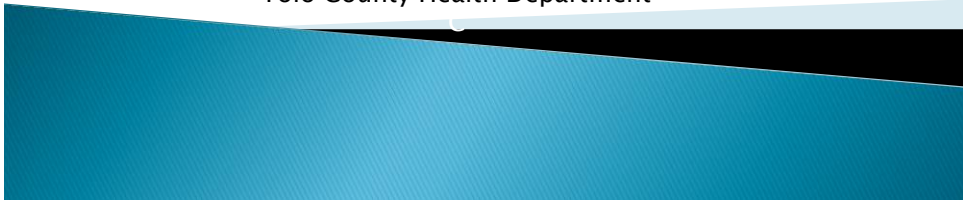


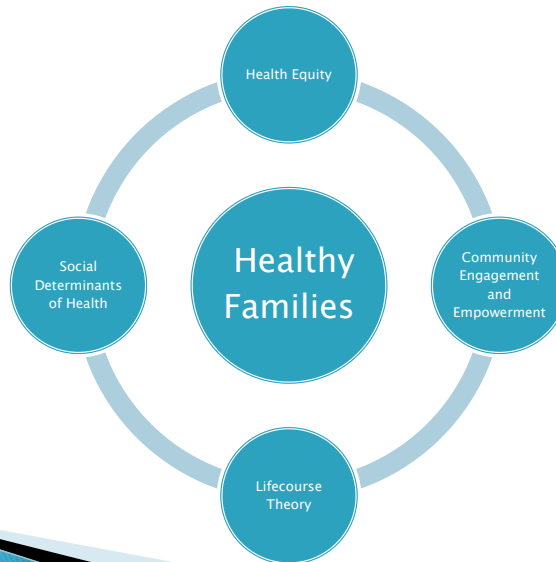
Maternal Child and Adolescent Health Program and Data Update

MCAH Advisory Board Retreat
January 14, 2015

Jan Babb, MSN, RN, PNP
MCAH Director
Yolo County Health Department



Conceptual Framework for MCAH

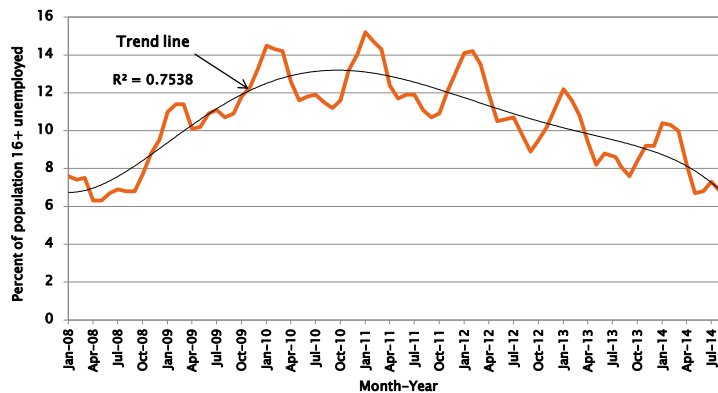


Health Indicators

- ▶ A measure that reflects the state of health in a defined population
- ▶ Health indicators INDICATE larger problems that may require action
- ▶ Standard public health indicators allow:
 - Comparison of health status between populations
 - Quantification of trends and progress toward goals (Healthy People 2020)
- ▶ Health indicators do not explain the cause(s) or the problem(s) they identify.



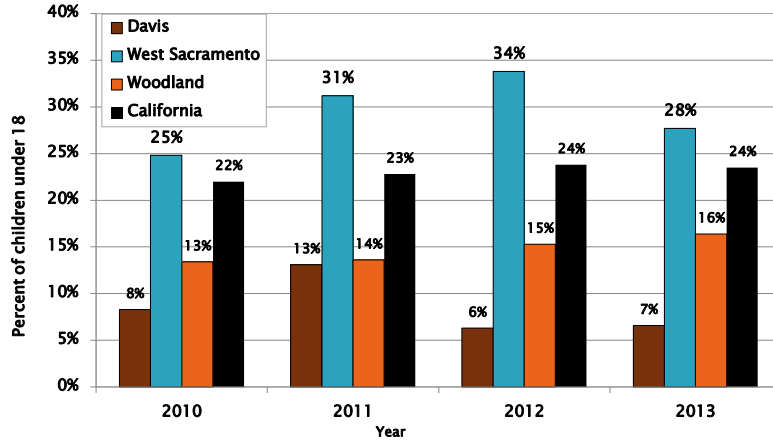
Unemployment Rate, Yolo County, 2008–2014



Source: Bureau of Labor Statistics



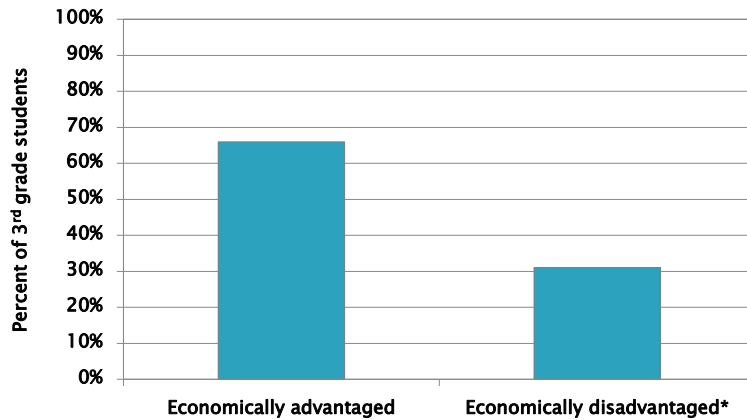
Percent of Yolo County Children in Poverty by City, 2010–2013



Source: American Community Survey

5

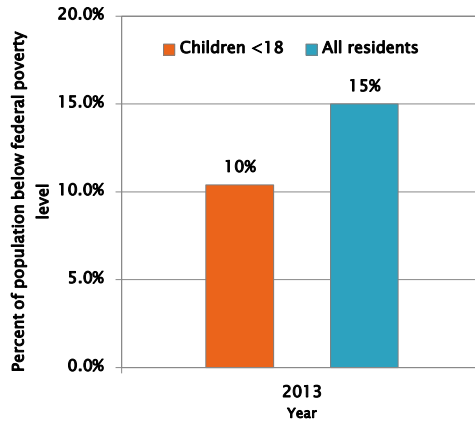
3rd Grade Reading Proficiency By Economic Status– Yolo County, 2013



*Neither of the student's parents has received a high school diploma OR the student is eligible for the free or reduced-price lunch program . Source: <http://www.kidsdata.org>

6

Percent of Yolo County Residents without Health Insurance, 2013



20% of adult residents in the October 2014 healthcare access survey were without health insurance.

Source: American Community Survey, US Census, 1-year estimate, Table DP03.

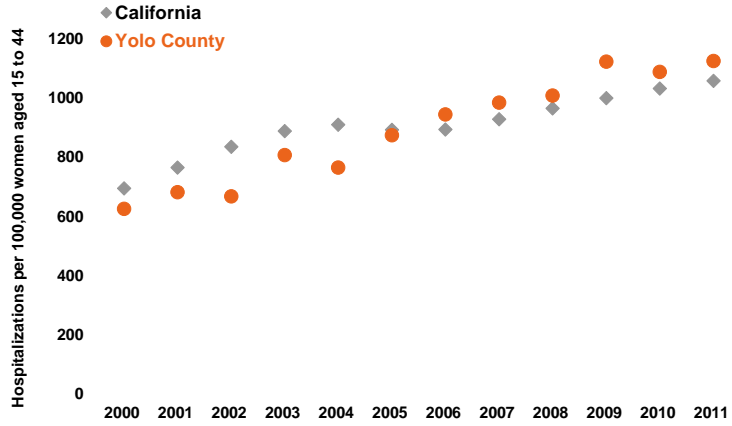
7

Maternal and Women's Health

- » Mood and anxiety disorders
- » Substance use
- » Domestic violence
- » Late prenatal care
- » Overweight/obesity
- » Diabetes

8

Mood Disorder Hospitalizations, Women Aged 15 to 44, Yolo County vs. California

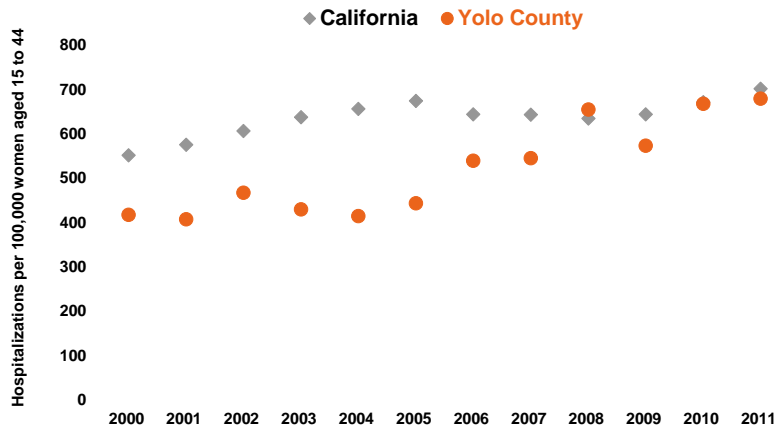


***Yolo County rate significantly higher than the State rate**

Source: Family Health Outcomes Project, UCSF

9

Substance Abuse Hospitalizations, Women Aged 15 to 44, Yolo County vs. California



Source: Family Health Outcomes Project, UCSF

10

Domestic Violence Calls for Assistance: 2008 – 2013

Locations	Rate per 1,000					
	2008	2009	2010	2011	2012	2013
California	6.8	6.7	6.6	6.3	6.2	4.0
Yolo County	5.9	6.6	7.0	6.8	6.9	5.2
Definition: Number of domestic violence calls for assistance per 1,000 adults ages 18-69.						
Data Source: As cited on kidsdata.org						

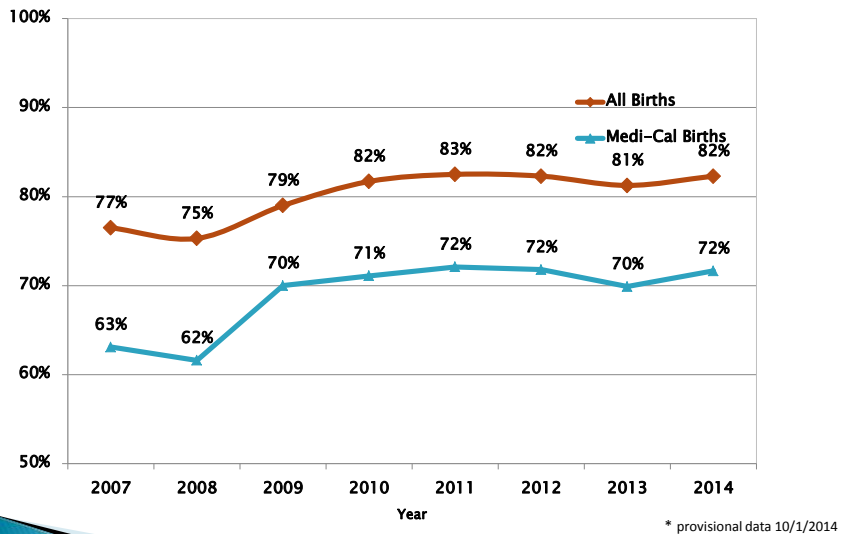
11

Domestic Violence Calls for Assistance, by City: 2008 – 2013

Locations	Year					
	2008	2009	2010	2011	2012	2013
Davis	205	214	198	173	177	185
West Sacramento	244	406	412	410	383	410
Winters	30	33	33	60	40	44
Woodland	250	217	255	246	305	339
Definition: Number of domestic violence calls for assistance from residents of all ages, by city.						
Data Source: As cited on kidsdata.org						

12

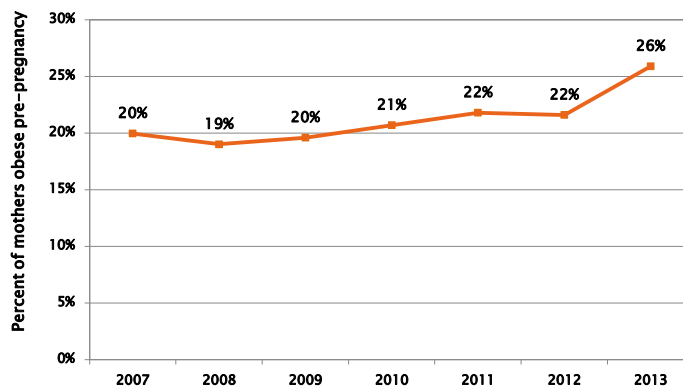
1st Trimester Entry into Prenatal Care



Source: Yolo County MCAH Program, Vital Records

13

Percent of Yolo County Mothers with Pre-Pregnancy BMI >30 (Obese), 2007-2013

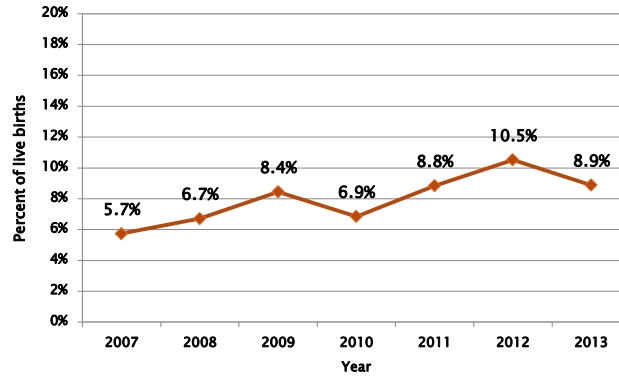


Significant for increasing trend (R-squared=0.71)

Source: Yolo County MCAH Program, Vital Records

14

Percent of Yolo County Births with Gestational or Pre-Pregnancy Diabetes as a Complicating Factor, 2007-2013



Increasing trend: R-squared = 0.67
 Source: Yolo County MCAH Program, Vital Records

15

Percent of Yolo County Resident Births with Gestational Diabetes by Hospital (2013)

Complication	California (2010)	SDH (n=853 births)	WMH (n=578 births)
Gestational Diabetes	7%	6%	13%

Source: Yolo County MCAH Program, Vital Records

Perinatal Depression – 2012

For the Greater Sacramento Region (El Dorado, Placer, Sacramento, Sutter, Yolo, Yuba):

- 14.0% of women report prenatal depression (95% CI 10.0 - 18.0)
- 13.9% of women report postnatal depression (95% CI 10.4 - 17.4)

Data Source: Maternal and Infant Health Assessment Survey 2012
Prepared by: Maternal, Child and Adolescent Health Program,
Center for Family Health, California Department of Public Health

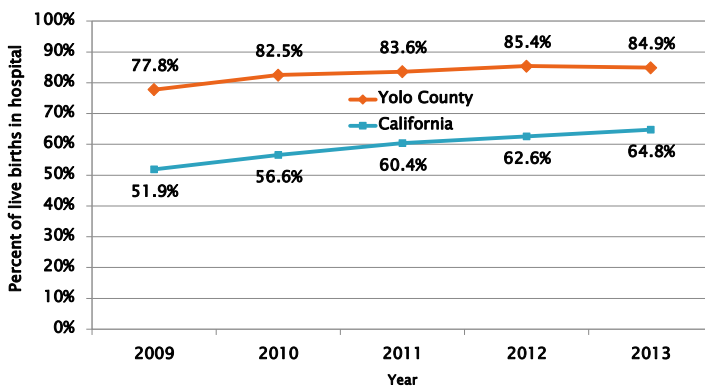
17

Infant Health

- Breastfeeding initiation and duration
- Low birth weight
- Fetal and Infant Deaths

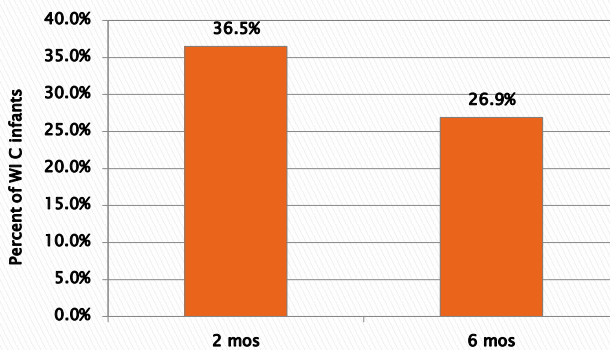
18

In-Hospital Exclusive Breastfeeding, Yolo County vs. California



Source: California Department of Public Health, In-Hospital Newborn Screening.

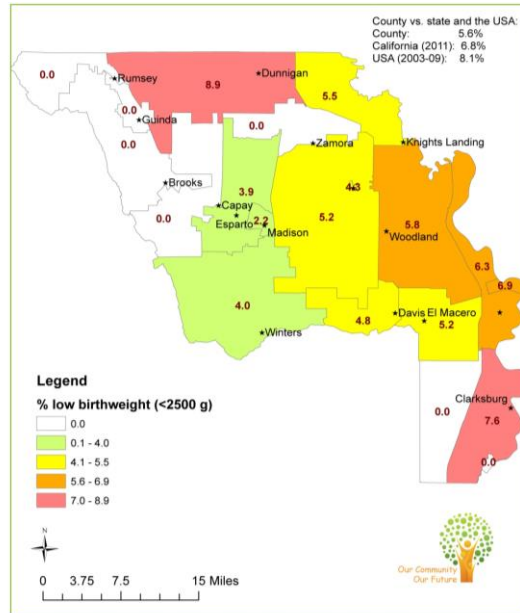
Exclusive Breastfeeding Duration, Infants receiving WIC, 2014



Source: Yolo County WIC (Raptor) 2014

Greater Sacramento area, exclusively breastfed at 3 mos: 31.1%
 Source: Maternal & Infant Health Assessment Survey (2012).

Percent of Births with Low Birthweight by ZIP Code, Yolo County, 2009-2013



Source: Yolo County MCAH Program, Vital Records

21

Birth Outcomes: Infant Death

Infant Death Outcomes	Yolo 2002-6	Yolo 2007-11	CA 2006-10	HP 2020 Goal
No. live births	12321	12391	2716614	
All infant deaths	52	43	14782	
Infant mortality rate*	4.2	3.5	5.4	6.0

*Deaths per 1,000 live births

Source: California Department of Public Health, Vital Statistics; Yolo County Health Department, Vital Records.

22

Birth Outcomes: Fetal Death

Yolo County Fetal Death Outcomes	Yolo 2002-6	Yolo 2007-11	CA 2006-10	HP2020 Goal
At >=20 weeks of gestation	68	67	14153	
Fetal death rate*	4.8	5.4	4.3	5.6
At >=28 wks of gestation	33	36	7262	
Late fetal death rate**	2.7	2.9	2.7	none
At >=28 wks of gestation or <7 days old	66	59	14774	
Perinatal death rate**	5.4	4.7	5.4	5.9

*Deaths per 1,000 live births + fetal deaths at >=20 wks

**Deaths per 1,000 live births + fetal deaths at >=28 wks

Source: California Department of Public Health, Vital Statistics; Yolo County Health Department, Vital Records.

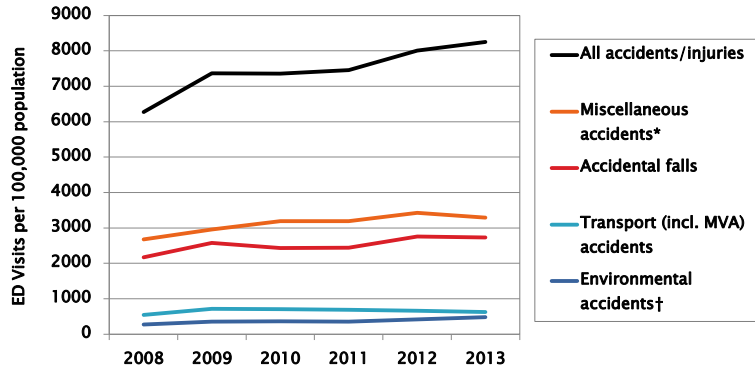
23

Child health

- » Injury
- Abuse/neglect
- Overweight/obesity
- Immunizations

24

Emergency Dept Pediatric Visit Rates for Accident & Injury, Yolo County 2008-13



Hospitalization rates in the same period have not increased.

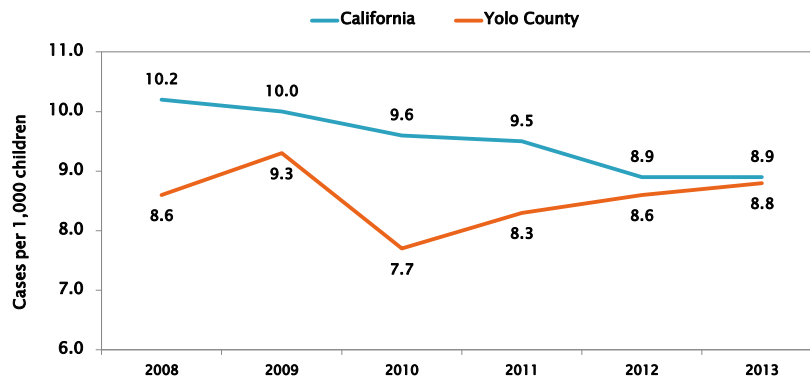
*Caused by falling/striking object/person, machinery, cutting/piercing instruments, electricity, radiation, repetitive stress.

†Caused by excess heat or cold, outdoor exposure, neglect, flood, weather, poisonous plants, animal bites, travel/motion.

Data Source: OSHPD

25

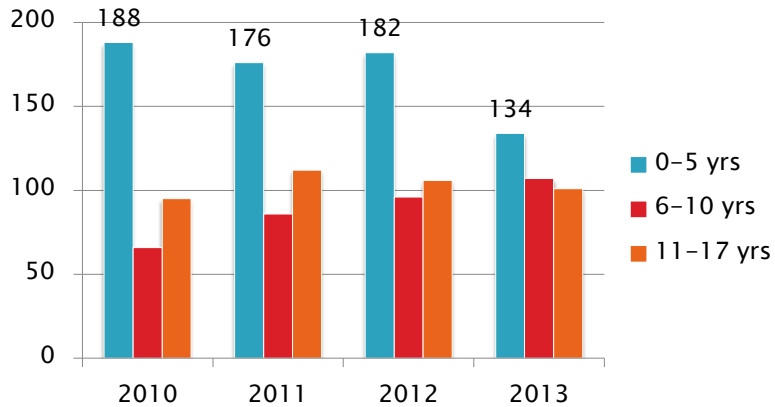
Substantiated Cases of Child Abuse and Neglect: 2008-13, Yolo County vs. CA



Data Source: As cited on kidsdata.org

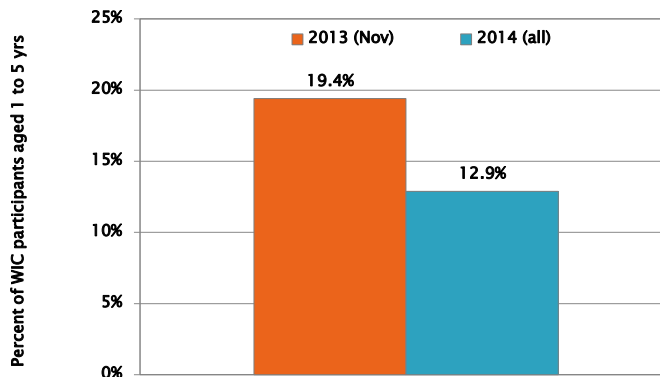
26

Substantiated Cases of Child Abuse and Neglect: 2010 – 2013, Yolo County



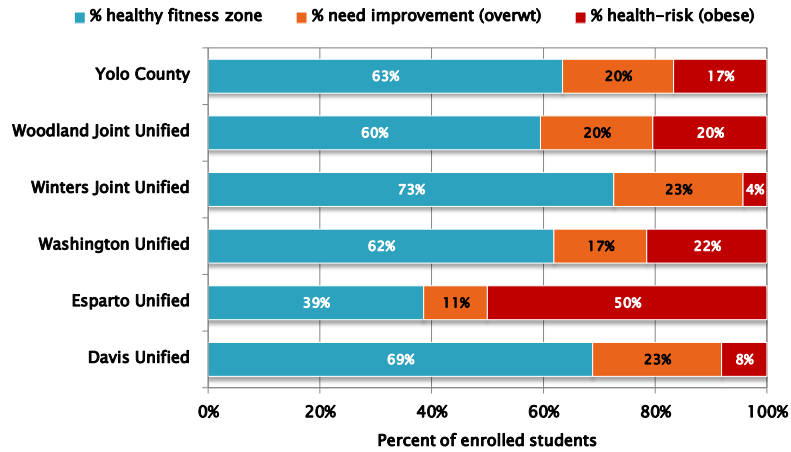
Data Source: As cited on kidsdata.org. (Nov. 2014).

Obesity – Percent of WIC Children aged 1–5 years, 2014



Source: Yolo County WIC (Raptor), 2013 & 2014

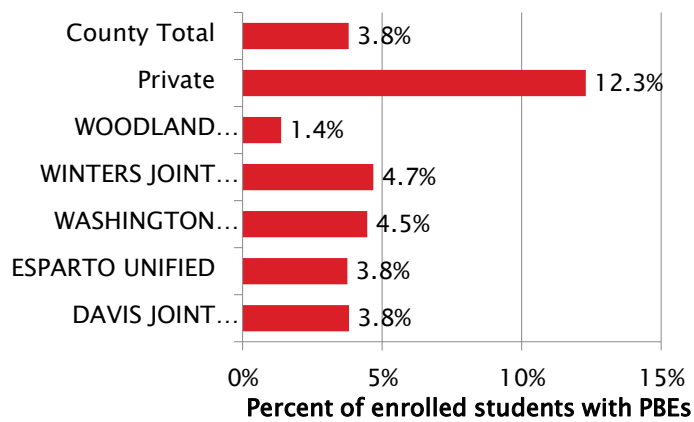
Body Composition of 7th Graders by District, Yolo County, 2013-14



Source: California Dept of Education, School Physical Fitness Testing

29

Percent of Kindergarteners with PBEs by School District, Yolo County 2013-14



Source: CDPH Immunization Branch

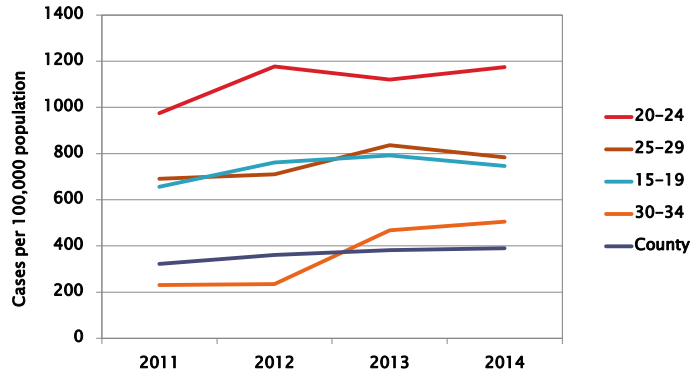
Percent of Yolo County Kindergarteners Up-to-Date for Required School Vaccines, 2009-2014

School District	2009-10	2010-11	2011-12	2012-13	2013-14	R ²	Trend
Davis	92%	92%	92%	93%	94%	0.59	Weak increase
Esparto	98%	100%	95%	97%	96%	0.22	None
Washington (West Sac)	95%	74%	90%	87%	85%	0.02	None
Winters	98%	96%	97%	89%	93%	0.54	None
Woodland	96%	97%	98%	96%	98%	0.13	None
Private	85%	83%	83%	82%	78%	0.82	Decrease
Total	94%	89%	93%	92%	92%	0.04	None

Adolescent Health

- » Sexual health
- » Teen pregnancy

Chlamydia Rates by Age Group, Yolo County, 2011-2014

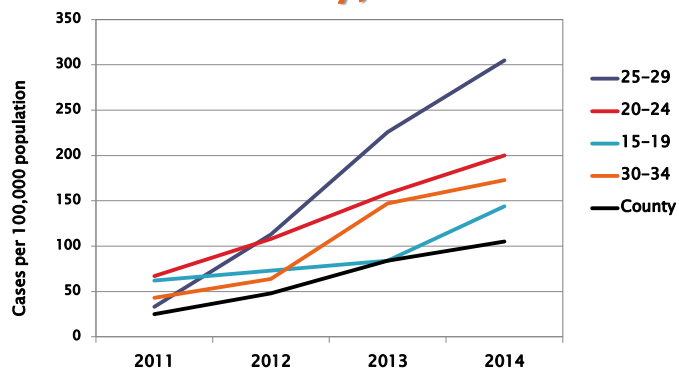


80% of cases in Yolo County occurred in 15 to 29-year-olds

Source: Yolo County Communicable Disease Control

33

Gonorrhea Rates by Age Group, Yolo County, 2011-2014

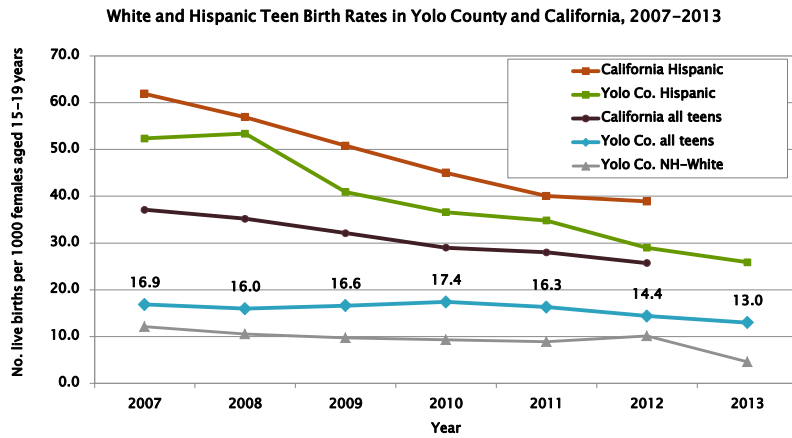


*Yolo County rates for 15- to 19- and 25- to 29-yr-olds do not differ from the 2013 State rate

Source: Yolo County Communicable Disease Control

34

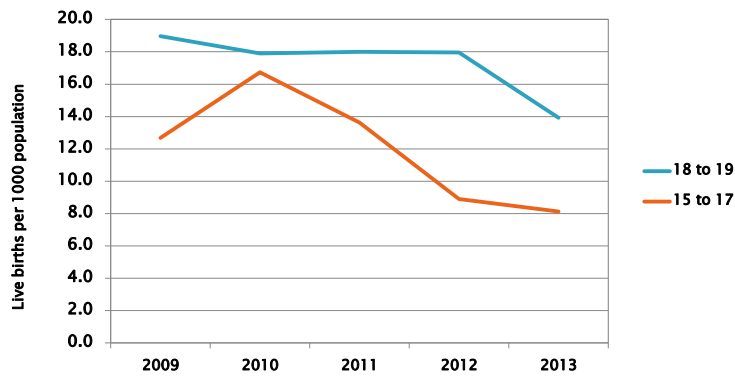
Trends in Teen Birth Rates



Source: Yolo County MCAH Program, Vital Records

35

Teen Birth Rates by Age Group, Yolo County, 2008-13



The rate for 15- to 17-year-olds has dropped by 50% since 2010.

Source: Yolo County MCAH Program, Vital Records

36

MCAH Program updates

- » Staffing
- Priority Areas
- Opportunities to get involved

37

MCAH Local Program Staff

- ▶ New MCAH Coordinator: Anna Sutton
- ▶ New MCAH Outreach Specialist for Adolescent Sexual Health (February 2015)
- ▶ New Public Health Nurse for Fetal Infant Mortality Review (FIMR) and Adolescent Family Life Program (AFLP) (February 2015)
- ▶ Jan, Ashley, Haydee Dabritz, Rosa Ramirez, Raquel Aguilar

38

Title V Maternal and Child Health Block Grant

- ▶ A primary source of federal support for improving the health and well-being of mothers and children.
- ▶ Title V MCH Block Grant requires a comprehensive statewide needs assessment every 5 years (due on July 15, 2015)
- ▶ Locally, the MCAH needs assessment process was completed in June 2014.
- ▶ By June 30th, 2015 a five year action plan will be developed and submitted to the State for each local priority area identified.

39

MCAH Priority Areas



Access to
Mental Health
Services



Perinatal Mood
and Anxiety
Disorders



Adolescent
Sexual Health



40

Community Partnerships

- ▶ MCAH Advisory Board: Meets 2nd Wednesday AM, ~every other month; public meeting
- ▶ FIMR Team: Meets 2nd Thursday at lunchtime, ~ every other month; team members only
- ▶ Perinatal Mental Health Collaborative: Meets 1st Friday Monthly, 12:30–2; contact Anna for details
- ▶ Healthy Yolo Community Health Improvement Plan, opportunities upcoming

41

