

NOTIFIABLE CONDITIONS

Annual Report, 2009

Associated Staff and Positions during 2009

Sheryl DiPietro, Community and Family Health Director

Marianne Patnode, Communicable Disease Program Coordinator

Denny Flodin-Hursh, Public Health Nurse

Perla Benitez, Public Health Nurse

Laura Charters, Environmental Health Specialist

Jonathan Frazier, Community Health Specialist

Kristin Jensen, Data Entry Specialist

Jessica Brown, Assessment Specialist



OVERVIEW

- Definitions
 - Case counts vs. Case rates
- Year-at-a-Glance
- Select Disease Highlights
 - Enterics
 - Pertussis
 - West Nile Illness
- Surveillance Activities
- Prevention Activities
- What's Ahead



USEFUL DEFINITIONS

Case Count: The number of cases within a defined time frame – raw data. Counts do not allow for meaningful comparison between regions, ages, gender, races, or years with differing populations.

Case Rate: The number of cases per proportion of the population within a defined time frame. Rates are given in terms of a standardized population size – typically per 1,000 or 100,000 population. As such, they are used to make meaningful comparisons between regions, ages, gender, races, or years with differing populations.

Incidence: The number of new cases of illness within a given time frame. Can be given in counts or rates.



WHY IS THIS IMPORTANT?

Example: Chlamydia Incidence in 2006

Case count→ Yakima County: 1,191 cases
 King County: 5,308 cases

If you only compared the case counts, it would appear that the probability of contracting Chlamydia in King County was 4X higher than in Yakima County.

Case Rate→ Yakima County: 511 cases per 100,000 population
 King County: 291 cases per 100,000 population

Looking at the case rate standardized for a proportion of the population (100,000 in this case), though, reveals that the probability of contracting Chlamydia in King County may actually be about 2/3 that in Yakima County.



YEAR AT A GLANCE



Notifiable Condition Case Counts by Month

2009 Case Counts

Condition	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Arboviral Disease (includes West Nile Virus)	0	0	0	0	0	0	0	10	13	0	0	0	23
Botulism (gastrointestinal)	0	0	0	0	0	0	0	0	0	0	0	0	0
Botulism (infant)	0	0	0	0	0	0	0	0	0	0	0	0	0
Botulism (wound)	0	0	0	0	0	0	0	0	0	0	0	1	1
Brucellosis	0	0	0	0	0	0	0	0	0	0	0	0	0
Campylobacteriosis	4	4	3	3	8	14	12	10	13	9	10	5	95
Cryptosporidiosis	0	0	0	0	1	0	1	0	0	0	0	1	3
Cyclosporidiosis	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterohemorrhagic <i>E. coli</i>	0	1	5	0	0	2	1	1	0	0	0	0	10
Giardiasis	2	1	5	1	2	1	3	5	2	4	2	2	30
Hantavirus	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemolytic Uremic Syndrome (HUS)	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemophilus Influenzae	0	1	1	0	0	0	0	0	0	0	0	0	2
Hepatitis A, acute	1	0	0	0	1	0	0	0	0	1	0	0	3
Hepatitis B, acute	1	0	0	0	0	0	1	0	0	0	0	0	2
Hepatitis B, chronic	1	0	1	2	0	0	0	1	1	2	0	1	9
Hepatitis C, acute	0	1	0	0	0	0	0	0	0	0	0	0	1
Hepatitis C, chronic	14	16	10	11	9	13	24	7	12	24	23	28	191
Legionellosis	0	0	0	0	0	0	0	0	0	0	0	0	0
Listeriosis	2	1	0	1	0	2	1	0	0	0	1	0	8

NOTE: Highlighted conditions will be covered in greater depth.

Continued...



Notifiable Condition Case Counts by Month

2009 Case Counts

Condition	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Lyme Disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal Disease	0	0	0	0	0	0	1	0	0	1	0	0	2
Mumps	0	0	0	0	0	0	0	0	0	0	0	0	0
Other CD Investigation	4	4	5	1	5	1	4	5	8	5	7	7	56
Pertussis	5	2	8	3	1	3	4	3	1	8	1	1	40
Q-Fever	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabies Post-Exposure Prophylaxis	0	0	0	0	0	1	0	1	0	0	0	0	2
Relapsing Fever (Tick-Borne)	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella (includes congenital)	0	0	0	0	0	0	0	0	0	0	0	0	0
Salmonellosis	1	3	3	5	3	5	3	5	4	2	3	2	39
Salmonellosis, Typhoid Fever	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	0	1	0	0	0	1	1	0	2	0	1	1	7
Tetanus	0	0	0	0	0	0	0	0	0	0	0	0	0
Tularemia	0	0	0	0	0	0	0	0	0	0	0	0	0
Vaccine Preventable Illness Investigation	1	4	2	5	4	0	4	1	0	3	2	1	27
Vibriosis	0	0	0	0	0	0	0	0	1	0	0	0	1
Yersiniosis	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	36	39	43	32	34	43	60	49	57	59	50	50	552

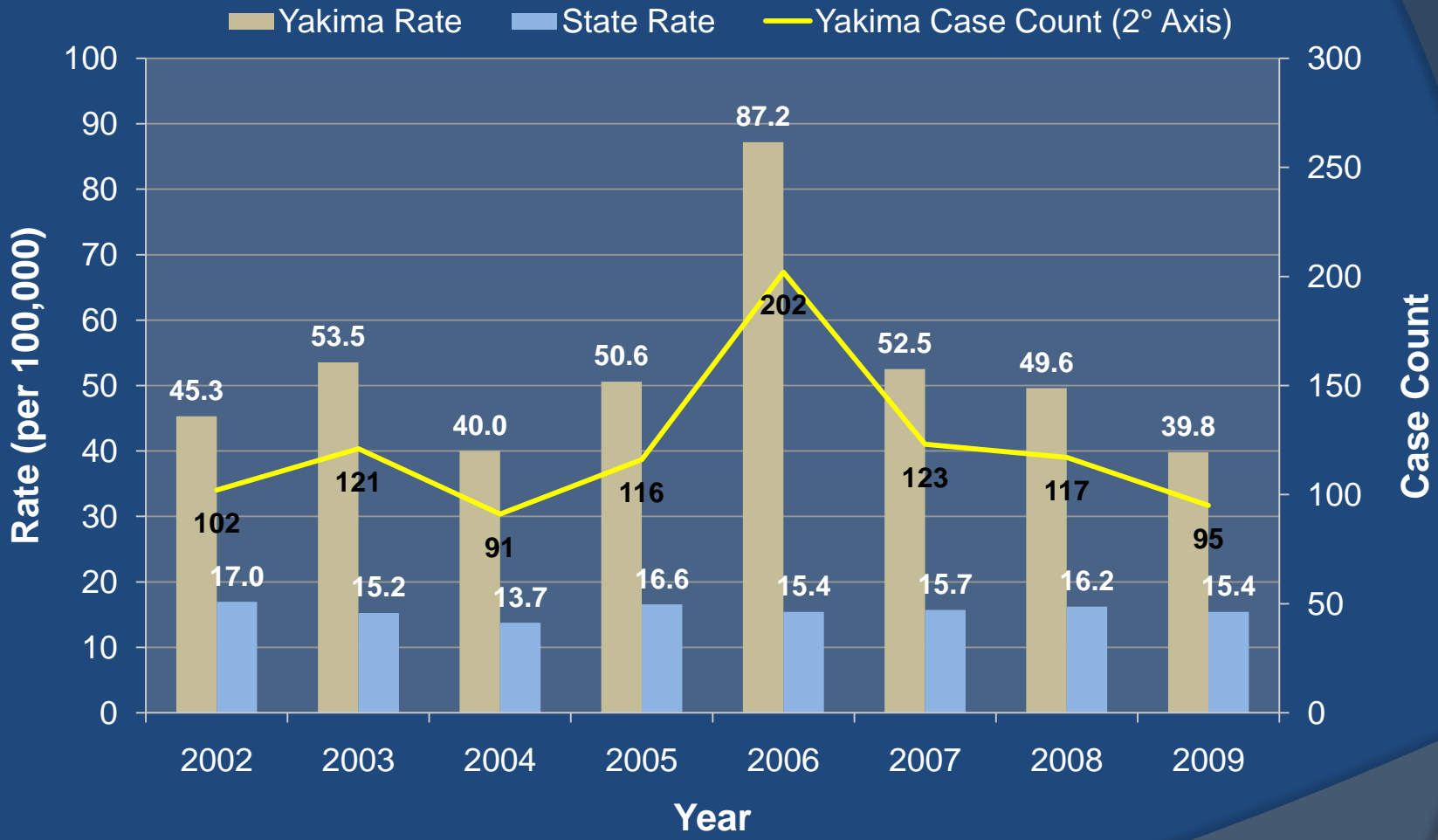
NOTE: Highlighted conditions will be covered in greater depth



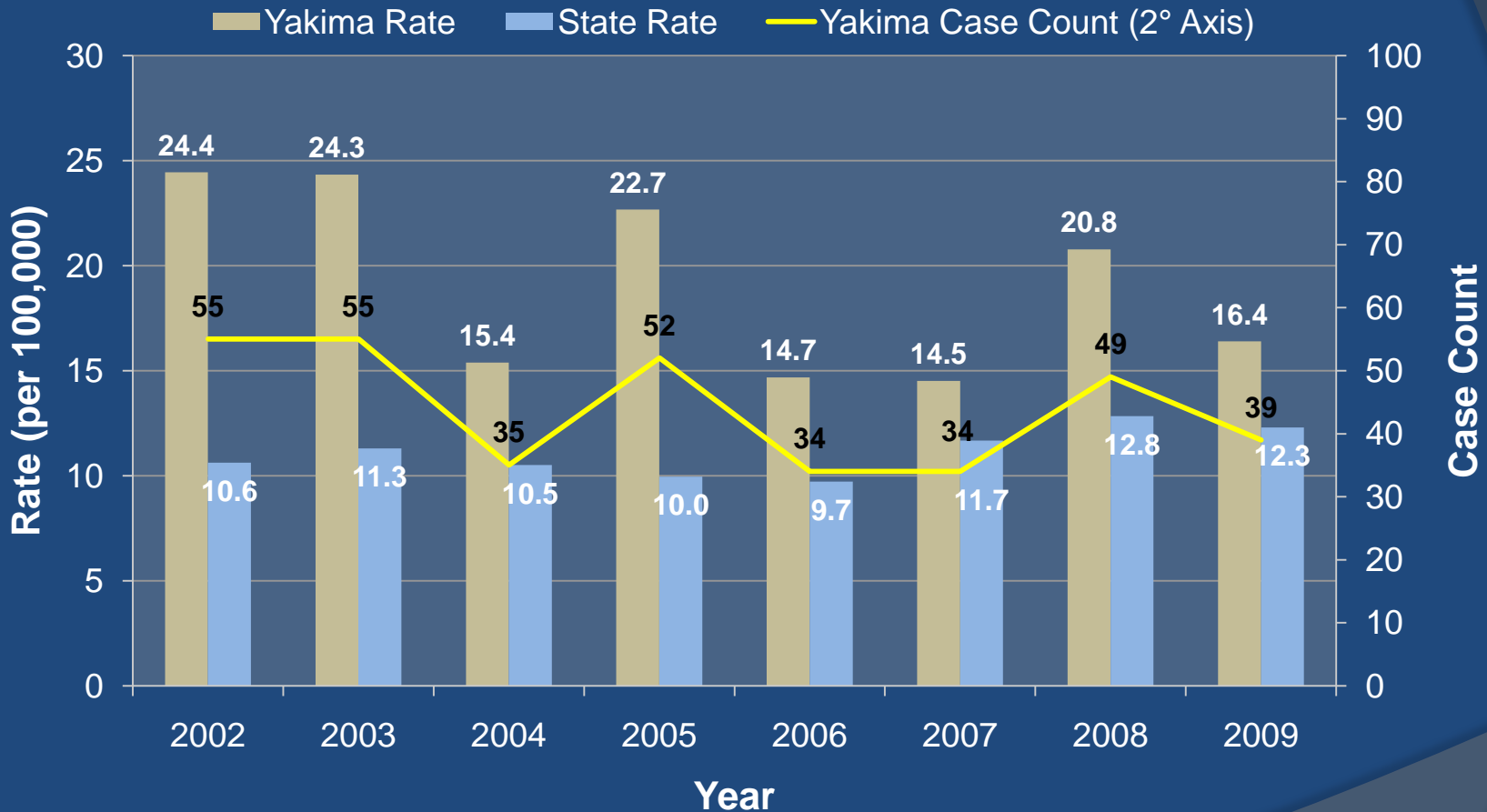
SELECT DISEASE HIGHLIGHTS



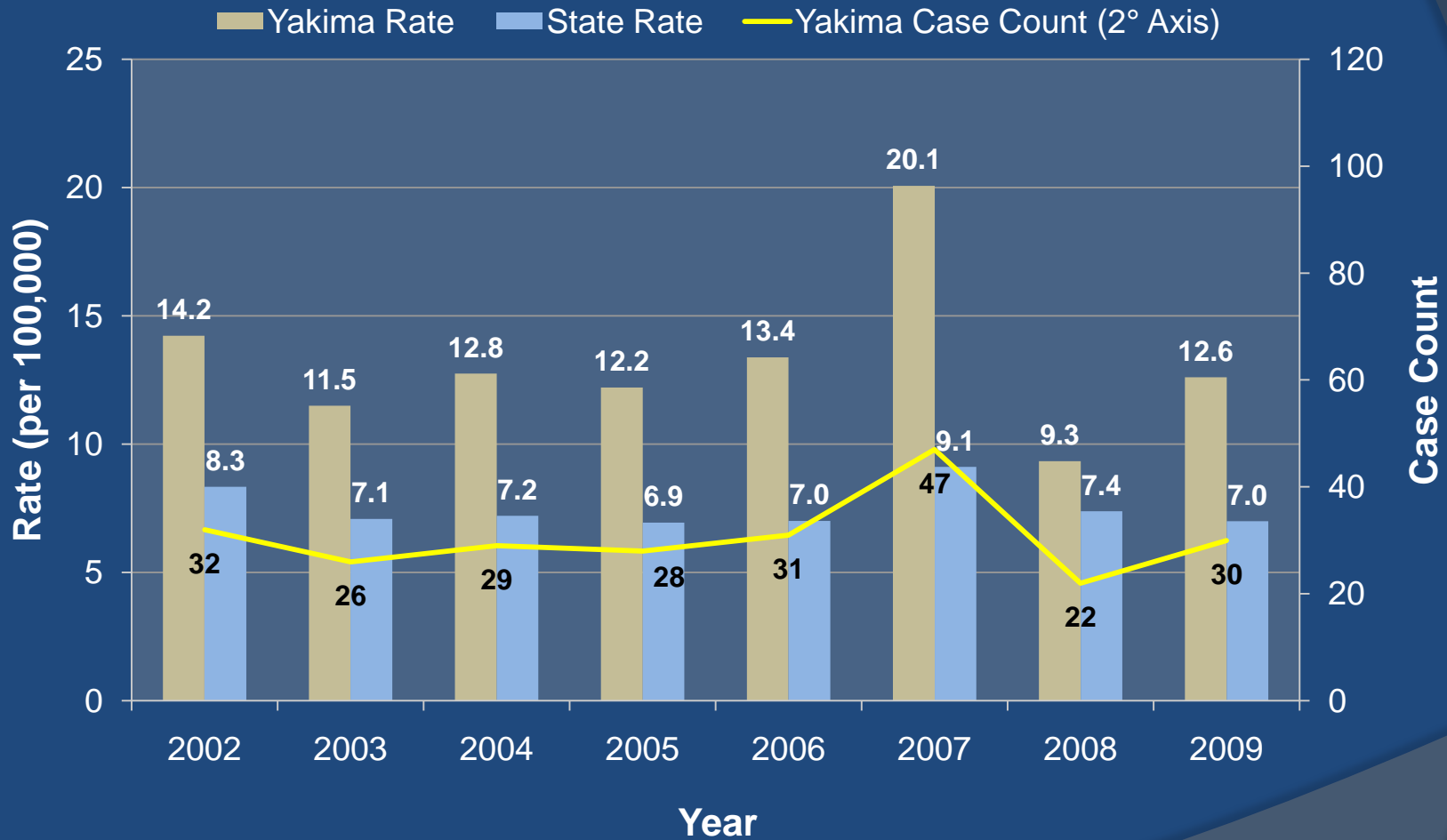
Campylobacteriosis Incidence, 2002-2009



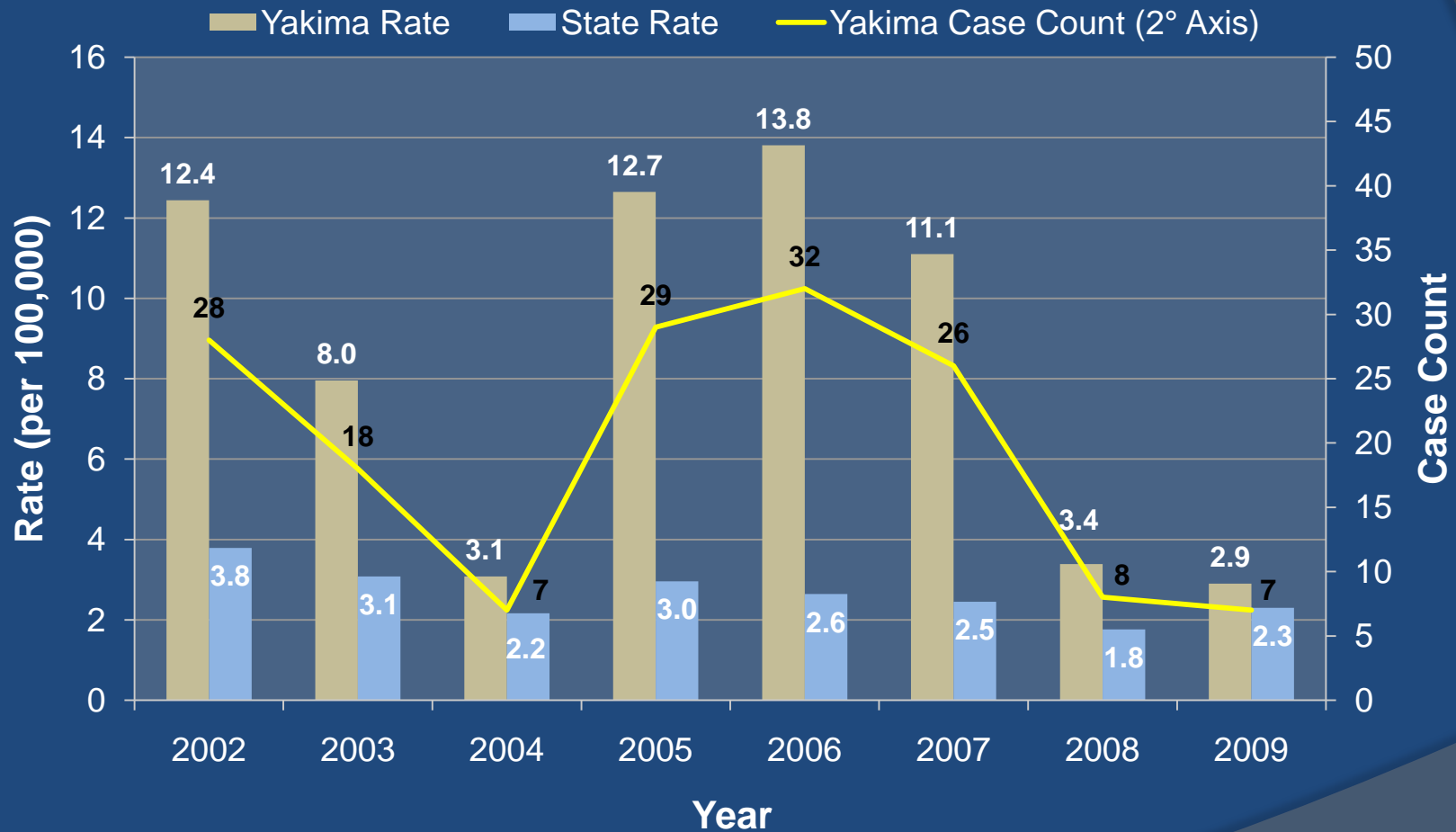
Salmonellosis Incidence, 2002-2009



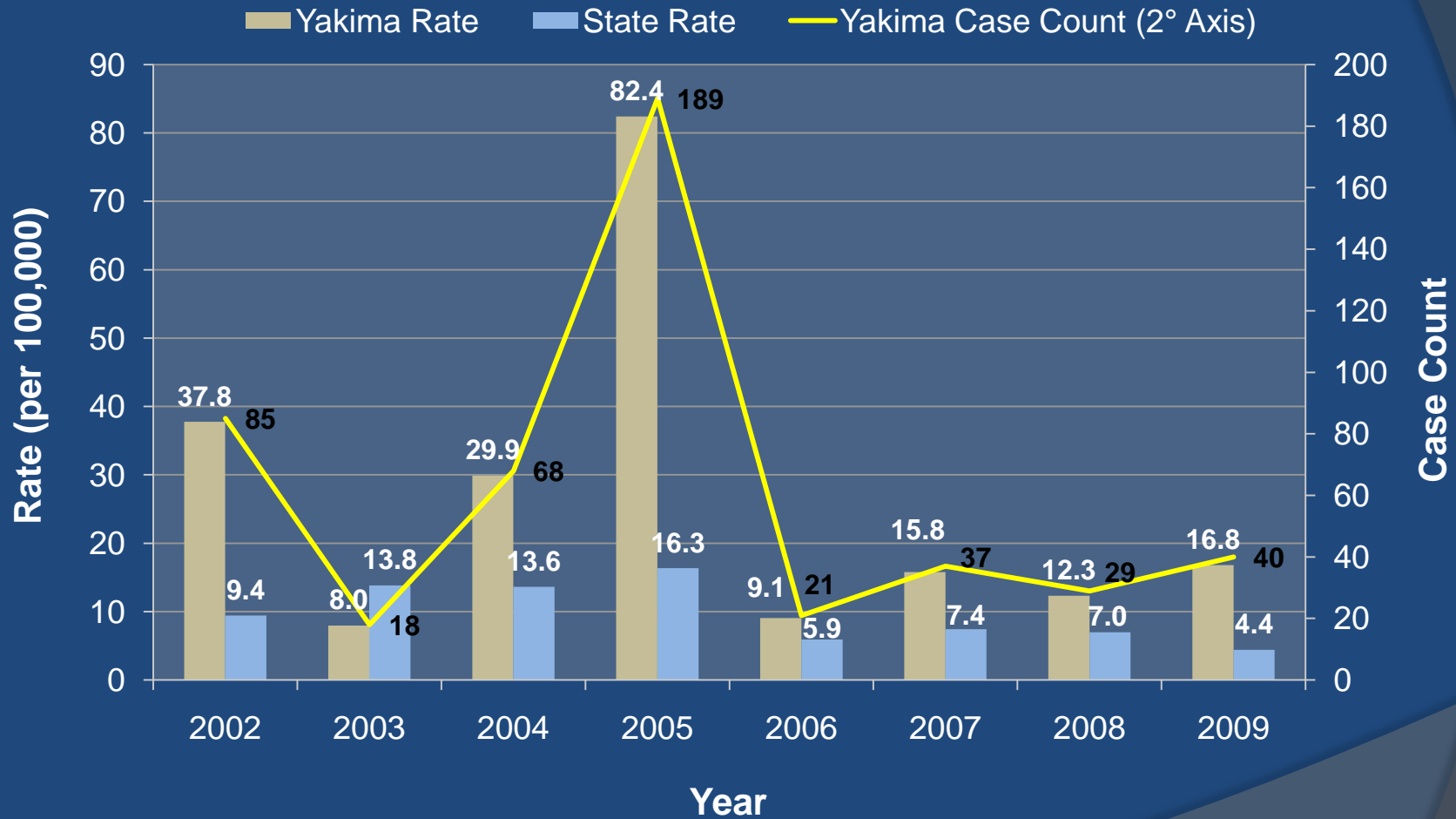
Giardiasis Incidence, 2002-2009



Shigellosis Incidence, 2002-2009



Pertussis Incidence, 2002-2009



West Nile Virus Incidence

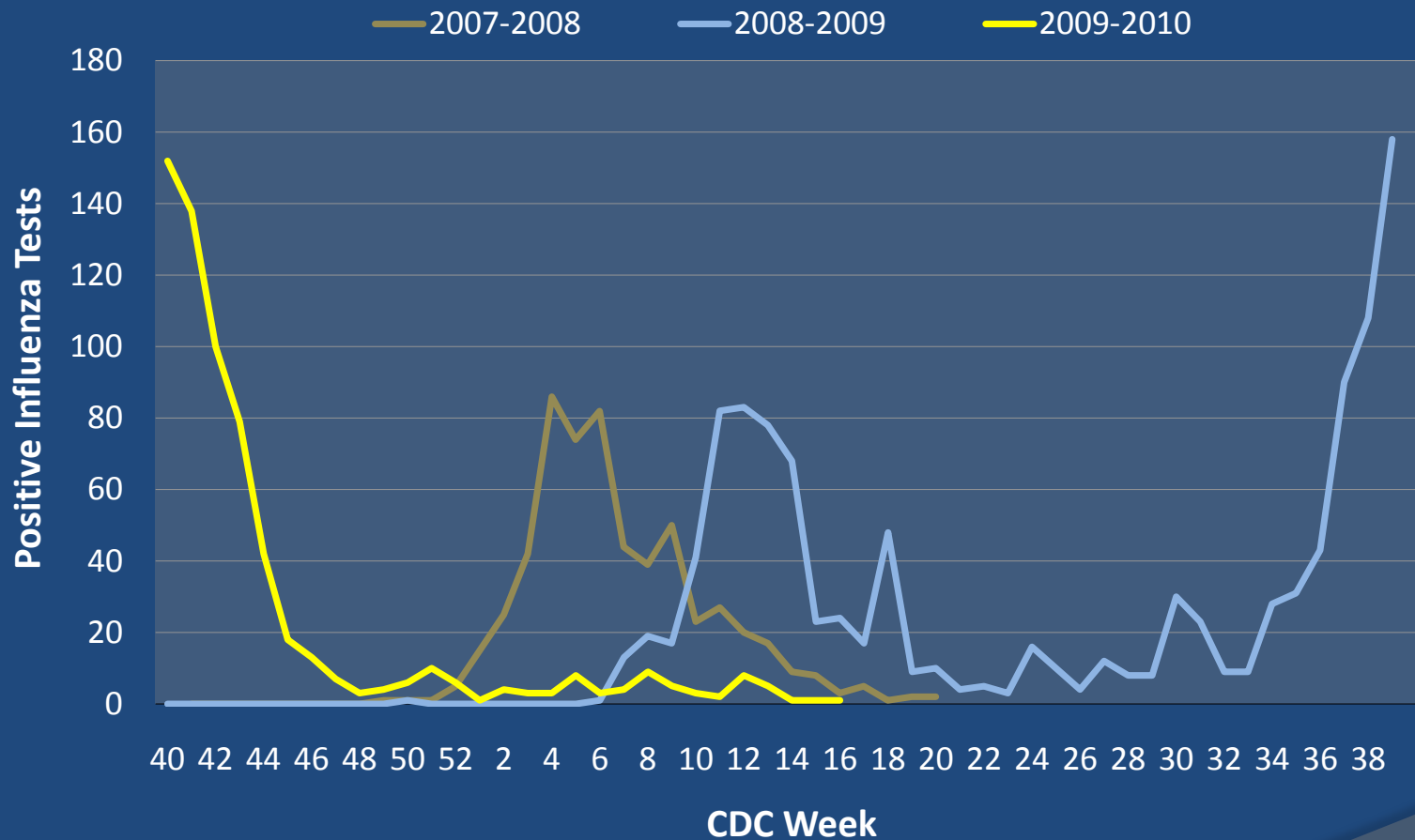
- ◎ 21 confirmed cases of WNV in Yakima County
 - First confirmed human cases in county
 - 8-86 years old
 - 2 additional viremic donors
- ◎ 17 hospitalized – most in Intensive Care Units
 - Some cases are still recovering
- ◎ 1 death
 - First death in the state confirmed as WNV



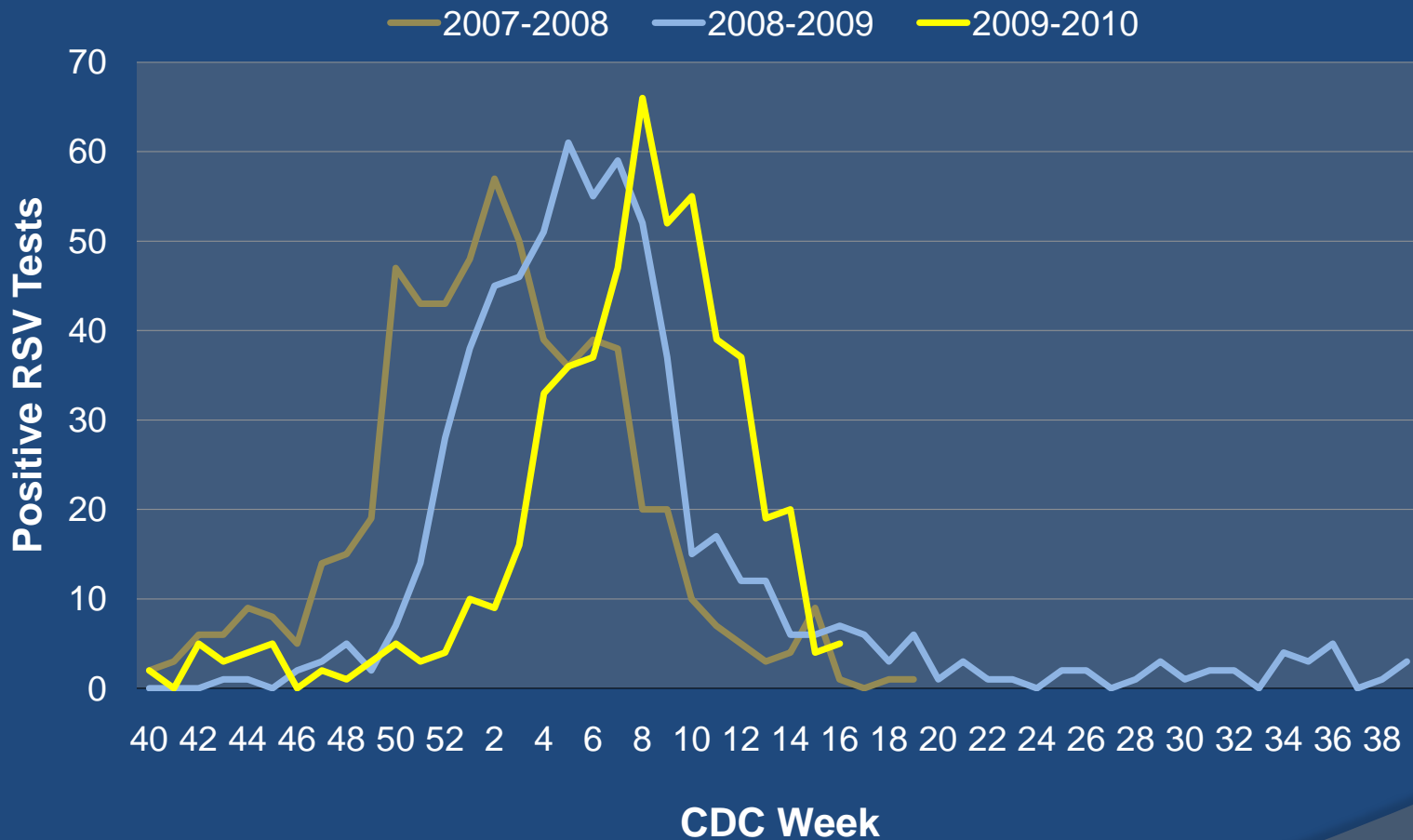
SURVEILLANCE ACTIVITIES



Influenza, 2007-2010 (by CDC Week)



RSV, 2007-2010 (by CDC Week)



PREVENTION ACTIVITIES



Prevention Activities

- Handwashing Education
 - 3,750 pairs of hands washed
 - 28 locations
 - 33 days
- Flu Shots and Education at State Fair
 - Organized in conjunction with Immunization Coalition
 - Booth open and staffed all 11 days of the fair
 - Over 11,000 Influenza informational packets given out – 1,000 per day
 - 643 people received seasonal flu vaccinations at the booth
 - “Take your shots against vaccine preventable disease”



WHAT'S AHEAD



What's "Ahead" in 2010

- Fill Public Health Nurse Position
- Increased WNV activity & confirmed human cases?
- Influenza reportable – added in 2009
 - Hospitalized & Deaths only
- Shift to only electronic records for CD investigations
 - Reduce printing, storage & request costs
- Shift to electronic transmission of Bulletin (blast fax & email)
 - Reduce printing, postage & staff costs
- Continue hand washing education



PREVENTION IS OUR BUSINESS

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www.yakimapublichealth.org



THANK YOU

