

Texas Department of State Health Services

VPD Update, 2015

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www.ImmunizeTexas.com



Overview

- VPD 5 Year Summary
- 2015 Notable VPD Activity
- 2012 HPV-associated Cancer Data
- Changes for 2016

VPDs in Texas, 2011-2015*

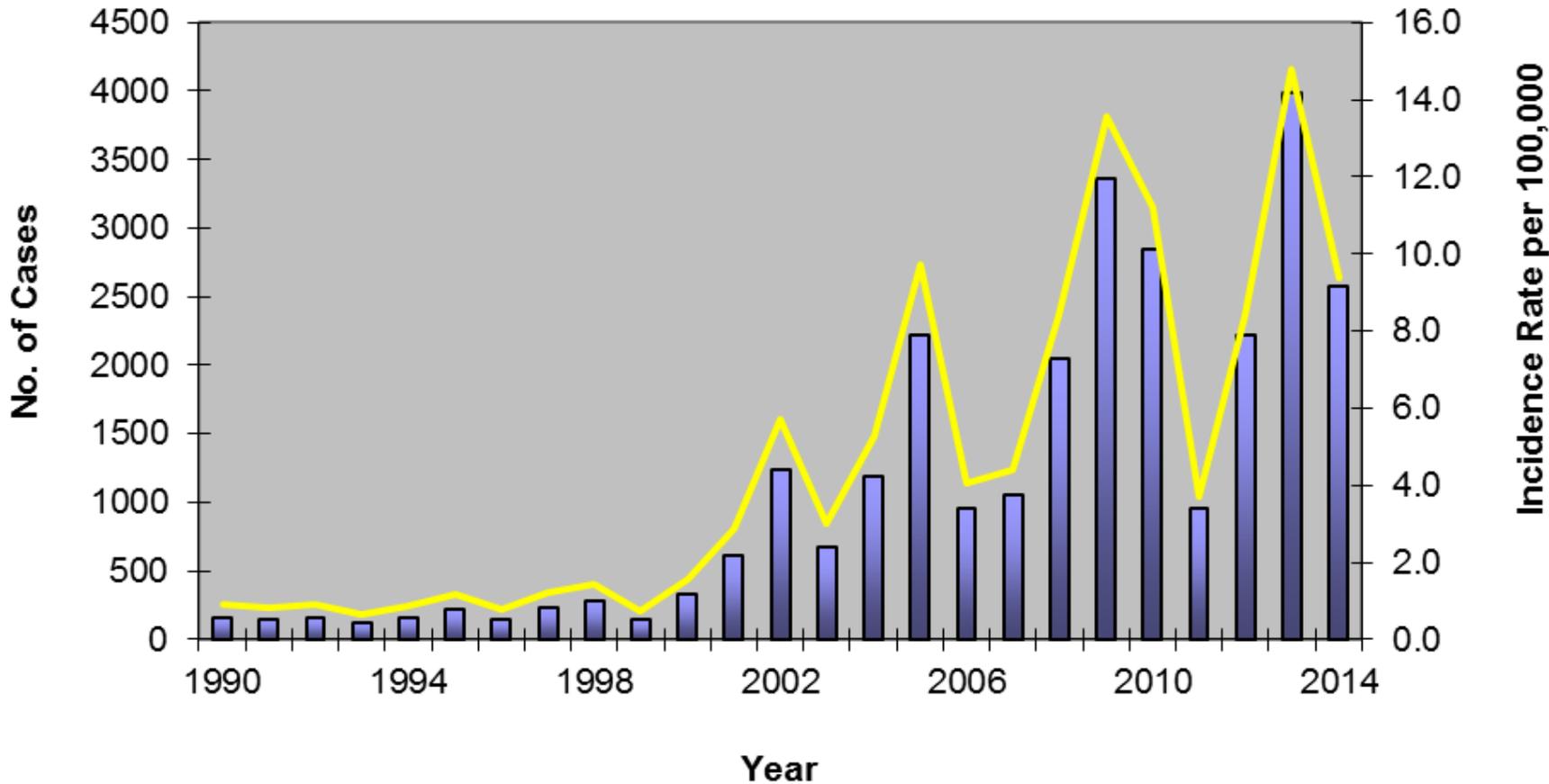
	2011	2012	2013	2014	2015*
Hepatitis A	138	134	109	123	101
Hepatitis B, acute	204	170	142	122	96
HIB	2	3	5	12	8
Measles	6	0	27	10	1
Meningococcal	30	37	30	22	20
Mumps	68	15	13	15	18
Pertussis	961	2,218	3,985	2,576	1,104
Pneumococcal	1,603	1,535	1,715	1,562	1,060
Tetanus	2	3	2	4	1
Varicella	2,558	2,410	1,874	1,647	1,040

*Provisional data as of 10/2/2015

Pertussis, as of 10/2/15

- 1,104 cases
 - Appears to be “valley” in 3-5 year cycle
- 21% of cases are in children under one year of age
- 8.5% hospitalization rate for all ages
 - ~ 30% hospitalization rate for children under one year of age
- No deaths

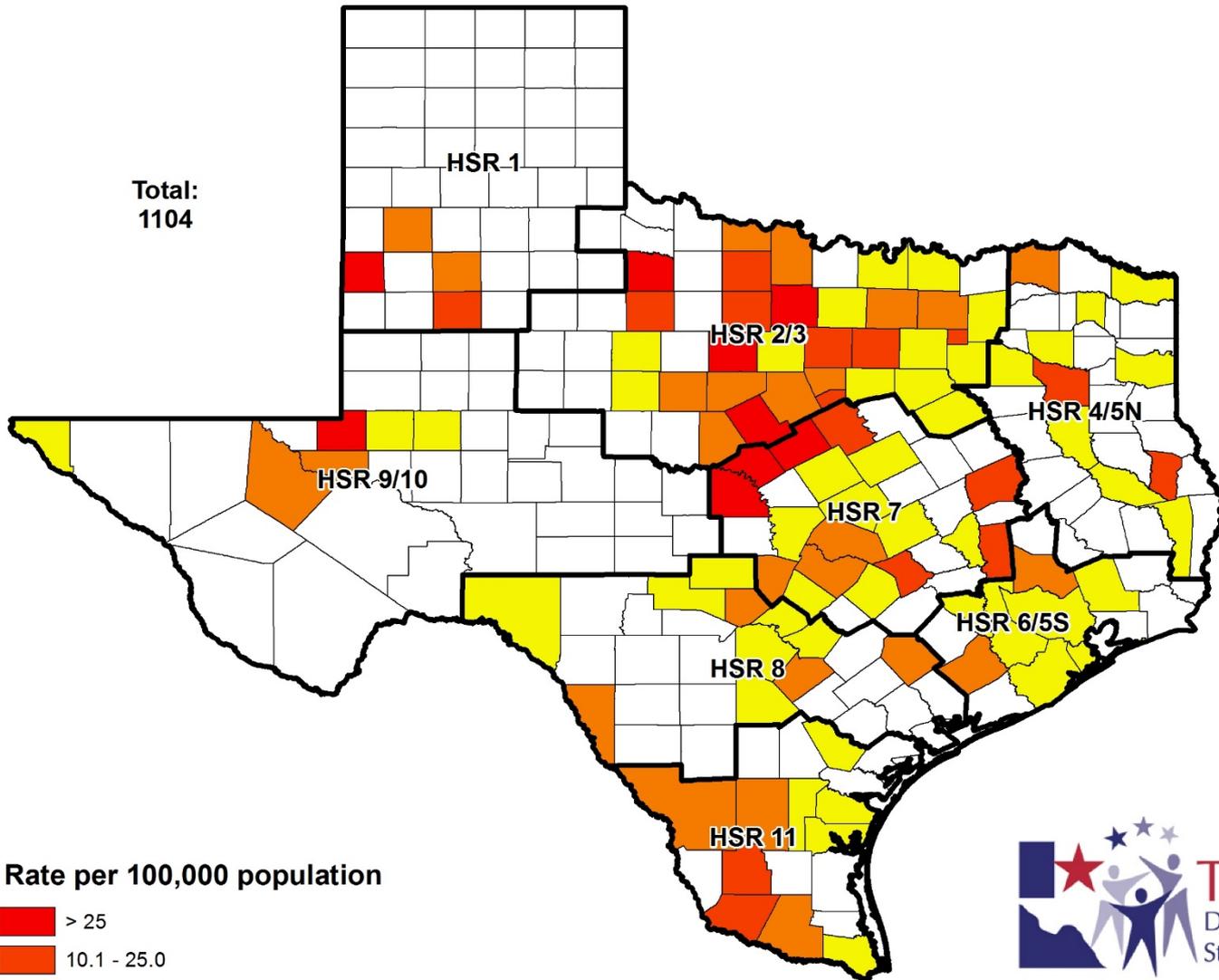
Pertussis Cases and Incidence Rates in Texas, 1990-2014



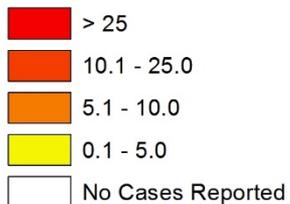
Incidence Rates of Pertussis Cases in Texas, 2015 *

* As of 10/05/2015

Total:
1104



Incidence Rate per 100,000 population



Source: Texas Department of State Health Services, Infectious Disease Control Unit.

Prepared: October, 2015

Mumps, as of 10/2/15

- 18 cases
- Cluster of cases at UT
 - Held to 5 cases
 - Collaborative response effort by university and Austin-Travis County Health Department
- Mumps independently introduced into 2 other Texas college campuses—no spread
- Multiple college campus outbreaks across the country

Hepatitis A, as of 10/2/15

- 101 cases to date
- Many cases associated with travel to MX
- Cluster of healthcare-associated hepatitis A
 - Immunocompromised patient undiagnosed
 - Shed virus for 6 months (and counting)
 - Infected 3 HCWs
 - Two are molecularly matched to case's HAV
 - Third is epidemiologically linked
 - Investigation underway to determine patient's exposure

Meningococcal Disease, as of 10/9/15

Age (Years)	Serogroup					Total
	B	C	Y	W-135	Unk	
0	4	2	0	0	1	7
1-6	0	2*	0	0	0	2
7-18	3	0	0	0	0	3
19-24	0	0	0	0	0	0
25-29	0	0	1	0	1	2
30-49	1*	2	1	0	1	5
50+	1	0	0	1	1	3
Total Cases	9	6	2	1	4	22
Deaths	1	1	0	0	0	2

No cases of serogroups A have been reported in 2015.

Rubella, as of 10/2/15

- Last seen in Texas in 2004...
- Imported twice to Texas in 2015!
- No spread
- Proves once again these diseases are only a plane ride away

HPV-associated Cancers in 2012

Type of Cancer	New Diagnoses	Deaths
Cervical (female)	11,586	365
Vaginal (female)	82	27
Vulvar (female)	286	59
Anal (both)	382	58
Penile (male)	119	20

Texas Cancer Registry, retrieved from cancer-rates.info on 10/6/15

2016 Administrative Code Changes

- Invasive *Haemophilus influenzae* of all types will be reportable
 - Previously only HIB cases were reportable
 - Changed to match national surveillance standards
 - Will ensure better capture of HIB cases
 - Will improve understanding of epi of HIB/H. flu
- *H. flu* isolates from children under 5 years old mandated to be sent to DSHS lab for serotyping
- Pertussis school exclusion criteria amended to allow non-infectious students to stay in school
 - Applies only to children diagnosed after 21 days of cough

Thank you!

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