

AN EPIDEMIOLOGY PUBLICATION OF THE OREGON DEPARTMENT OF HUMAN SERVICES

COMMUNICABLE DISEASE REPORTING—OREGON, 2006

In springtime, an epidemiologist's fancy turns to tallies of transmissible diseases. This issue of CD Summary highlights a few trends; and gives 2006 totals of reportable diseases from all the contagious counties of Oregon.

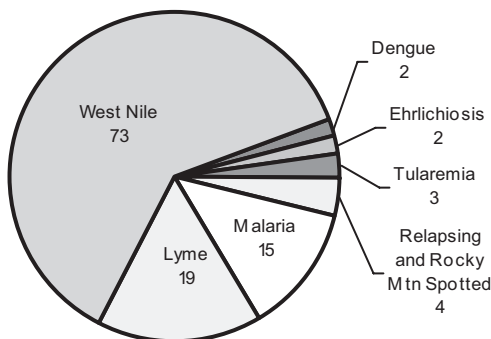
**THE CORVID HAS LANDED**

The year 2006 saw the ramping up of West Nile Virus (WNV) in Oregon, with 73 laboratory-confirmed cases and two deaths in our human population. Most presented with uncomplicated fever, though 11% of cases suffered encephalitis or meningitis. Three-quarters of Oregon cases were Malheur County residents. More than 3,200 pools of mosquitoes, representing 24 species, were tested as part of statewide surveillance. Of these, 21 were positive for WNV.\* Only Baker and Union counties had positive pools, all of which were *Culex tarsalis*—the most important mosquito vector of arboviruses in western North America.<sup>1</sup> When mosquitoes are out, test for WNV in persons who present with headache and fever or signs of encephalitis.

**OTHER VEXING VECTORS**

Though our case counts pale in comparison to those in the Eastern U.S., Lyme remains the most common tick-borne disease in Oregon with 19 cases reported in 2006.

Reported Vectorborne Diseases by Agent, Oregon, 2006



\* Mosquitoes are tested in pools of 50 females of a single species. Therefore, the 3,200 pools comprised more than 160,000 mosquitoes collected, separated and tested.

**RABIES GOING BATTY**

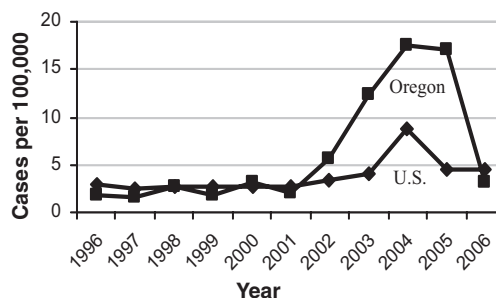
Rabies-positive animals reached a record high (at least since 1981, when we started using computers to keep track) of 25 in 2006; 23 of these were bats, and the other two were foxes (infected with the bat strain of rabies). Though raccoon rabies is enzootic in other areas of the U.S., bats are the sole reservoir of rabies in Oregon.

A word to the wise: Do Not Pet Bats! Though they might be cute, they should be presumed rabid. If someone reports direct contact with a bat, especially a bite or scratch, call your local health department for advice and testing.

**RESPIRATORY RECESSION**

Perhaps due to the SARS and Avian Influenza ballyhoos (of which we tallied 0 cases in 2006), Cover Your Cough posters and Respiratory Etiquette placards adorn emergency department waiting rooms, physician offices, and public health agencies. Whether these reminders assisted in the decline of respiratorily transmitted illnesses such as pertussis and meningococcal disease in 2006 is uncertain. The new vaccines (meningococcal conjugate, acellular pertussis for older kids and adults) could also be exerting their effects. After years of leading the pack, Oregon's pertussis rate (3.0 per 100,000) now ranks below the national average (4.4 per 100,000). This could be partly due to revision of our recommendations last year to focus on cases where infants or pregnant women might be exposed.

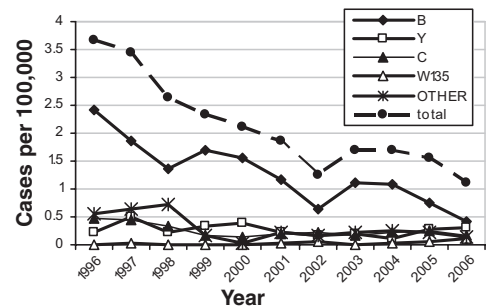
Pertussis Incidence, Oregon and Nationwide, 1996–2006



Meningococcal disease continued its happy decline, and for the second year since 1991, serogroup B strains accounted for less than one half of cases. Ore-

gon's rate (1.1 per 100,000) is still almost thrice the national rate (0.36 per 100,000).

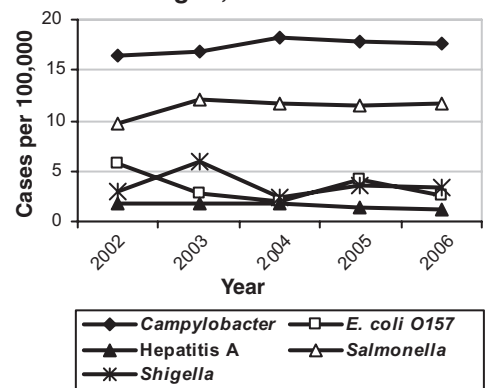
Meningococcal Disease Incidence by Serotype, Oregon, 1996–2006



**ENTERICS: OBSTIPATION?**

In the meantime, rates of enteric illness in Oregon remained fairly consistent over the last 5 years—consistently above the Healthy People 2010 goals for the nation. Perhaps we need to renew efforts and public health placards about hand washing and the risks associated with the fecal-oral route—though doesn't everyone wash their hands after going to the bathroom? Oregon rates per 100,000 for *Campylobacter* (17.8), *Listeria* (0.35), *E. coli* O157 (2.5), and *Salmonella* (11.6) infections are all above the HP2010 goals (12.3, 0.25, 1.0, and 6.8, respectively).

Enteric Illness Incidence by Type, Oregon, 2002–2006



Tallies of 2006 case reports by county are shown on the table (verso).

References

<sup>1</sup><http://www.rci.rutgers.edu/~insects/sp6.htm>  
For additional data and reports on CD in Oregon go to <http://www.oregon.gov/DHS/ph/acd/stats.html>.

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## CD SUMMARY

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PERIODICALS  
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**PAID**  
 Portland, Oregon



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### Selected Diseases by County of Residence, Oregon, 2006

	AIDS/HIV	Campylobacteriosis	Chlamydia	Cryptosporidiosis	E. coli O157 infection	Giardiasis	Gonorrhea	Haemophilus influenzae	Hepatitis A	Hepatitis B (acute)	Hepatitis B (chronic)	Hepatitis C (acute)	Hepatitis C (chronic)	HUS	Legionellosis	Listeriosis	Lyme disease	Meningococcal Disease	Pertussis	Rabies, animal	Salmonellosis	Shigellosis	Early Syphilis	Tuberculosis	Tularemia	Vibrio parahaemolyticus	West Nile	Yersiniosis	TOTAL
Baker	4	4	16	0	0	3	0	0	0	0	0	0	26	1	0	0	0	0	0	1	0	0	0	0	0	0	9	0	64
Benton	34	21	130	2	5	11	14	1	1	1	6	0	57	0	0	0	2	1	1	3	8	9	1	2	0	1	0	0	311
Clackamas	238	64	720	8	8	33	96	5	3	5	24	3	455	2	5	1	0	1	1	3	30	1	3	3	0	3	0	1	1716
Clatsop	25	7	93	0	0	3	14	0	2	2	3	1	105	0	0	0	0	1	0	0	4	0	0	0	0	0	0	0	260
Columbia	25	10	65	1	0	1	16	1	0	3	4	0	69	0	0	0	0	0	0	3	0	0	0	1	0	0	0	199	
Coos	35	10	105	1	0	13	3	2	0	0	1	0	149	0	0	0	0	2	2	0	4	1	0	2	0	0	0	1	331
Crook	5	1	48	9	1	0	0	1	0	1	0	0	4	0	1	0	0	0	1	1	2	0	0	0	0	0	0	0	75
Curry	8	1	23	0	0	5	1	0	0	0	1	1	26	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	67
Deschutes	66	38	359	0	4	38	7	4	3	4	3	2	258	0	1	0	0	3	0	6	14	1	2	2	0	1	1	2	819
Douglas	60	9	231	1	3	12	15	0	0	1	4	1	189	0	1	0	1	7	0	2	12	0	0	1	0	0	1	0	551
Gilliam	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	6
Grant	4	0	11	0	1	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Harney	1	5	3	0	1	1	0	0	0	0	0	0	2	0	0	0	0	0	8	0	1	0	0	0	0	0	6	0	28
Hood River	11	3	44	1	0	3	1	0	1	0	0	0	9	0	0	0	0	0	1	1	2	2	0	0	0	0	0	0	79
Jackson	133	19	532	10	3	30	40	5	3	10	8	0	445	0	0	0	1	2	8	5	21	3	3	1	0	1	0	0	1283
Jefferson	9	5	76	0	3	1	6	2	0	1	0	0	19	1	0	0	0	0	0	2	0	2	1	0	0	0	0	0	128
Josephine	58	14	168	0	0	7	5	4	0	6	7	0	185	0	0	1	5	0	2	12	2	0	0	0	0	0	0	0	476
Klamath	21	20	123	4	3	7	1	1	0	1	3	0	122	0	0	0	1	1	9	2	7	1	0	1	0	0	0	2	330
Lake	2	1	15	1	0	2	1	0	0	0	0	0	26	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	49
Lane	270	59	998	4	10	37	131	12	5	14	39	1	344	2	4	3	1	1	16	0	38	5	0	6	1	7	0	1	2009
Lincoln	37	7	96	0	0	5	12	1	0	1	0	0	102	0	0	0	0	0	0	4	0	6	0	0	0	0	0	0	271
Linn	48	31	250	0	7	9	28	2	0	2	5	0	187	1	0	1	1	2	0	20	1	2	1	0	1	0	1	0	601
Malheur	14	10	68	0	2	2	6	0	0	0	5	1	133	0	0	0	0	0	0	3	1	0	4	0	0	0	53	0	302
Marion	315	32	891	1	11	31	146	2	4	5	30	0	704	1	1	4	2	4	8	0	38	15	0	12	1	0	0	1	2259
Morrow	5	1	20	0	1	0	0	0	0	0	0	1	12	0	0	0	0	0	4	0	1	0	0	0	0	0	0	0	45
Multnomah	2711	119	2873	30	15	97	704	7	10	18	155	11	2612	1	8	2	4	6	23	0	85	22	26	32	0	4	1	4	9580
Polk	24	9	124	0	1	4	14	0	0	2	13	0	66	0	0	0	0	3	0	0	5	1	0	1	0	0	0	0	267
Sherman	1	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Tillamook	9	3	32	1	0	4	5	0	6	0	0	1	44	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	108
Umatilla	34	21	192	0	0	1	6	0	1	1	6	2	142	0	0	0	0	0	1	0	6	1	0	4	0	0	1	1	420
Union	8	10	42	0	0	0	1	0	0	1	2	0	16	0	0	0	0	0	0	2	0	0	0	0	0	0	1	1	84
Wallowa	2	1	4	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Wasco	11	5	53	0	1	4	4	0	0	0	0	0	39	0	0	0	0	0	1	0	8	2	0	0	0	0	0	0	128
Washington	360	103	997	8	8	53	172	3	7	7	66	0	584	1	1	1	0	2	17	0	75	19	3	8	0	1	0	1	2497
Wheeler	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Yamhill	41	9	174	0	4	6	10	2	1	0	3	0	126	1	0	0	0	5	3	0	18	34	0	0	0	0	0	0	437
<b>Grand Total</b>	<b>4629</b>	<b>652</b>	<b>9578</b>	<b>82</b>	<b>92</b>	<b>424</b>	<b>1459</b>	<b>55</b>	<b>47</b>	<b>85</b>	<b>390</b>	<b>25</b>	<b>7264</b>	<b>11</b>	<b>22</b>	<b>13</b>	<b>19</b>	<b>41</b>	<b>112</b>	<b>25</b>	<b>428</b>	<b>121</b>	<b>48</b>	<b>81</b>	<b>3</b>	<b>19</b>	<b>73</b>	<b>16</b>	<b>25814</b>

HIV/AIDS as of 2/27/2007, other data as of 4/3/2007