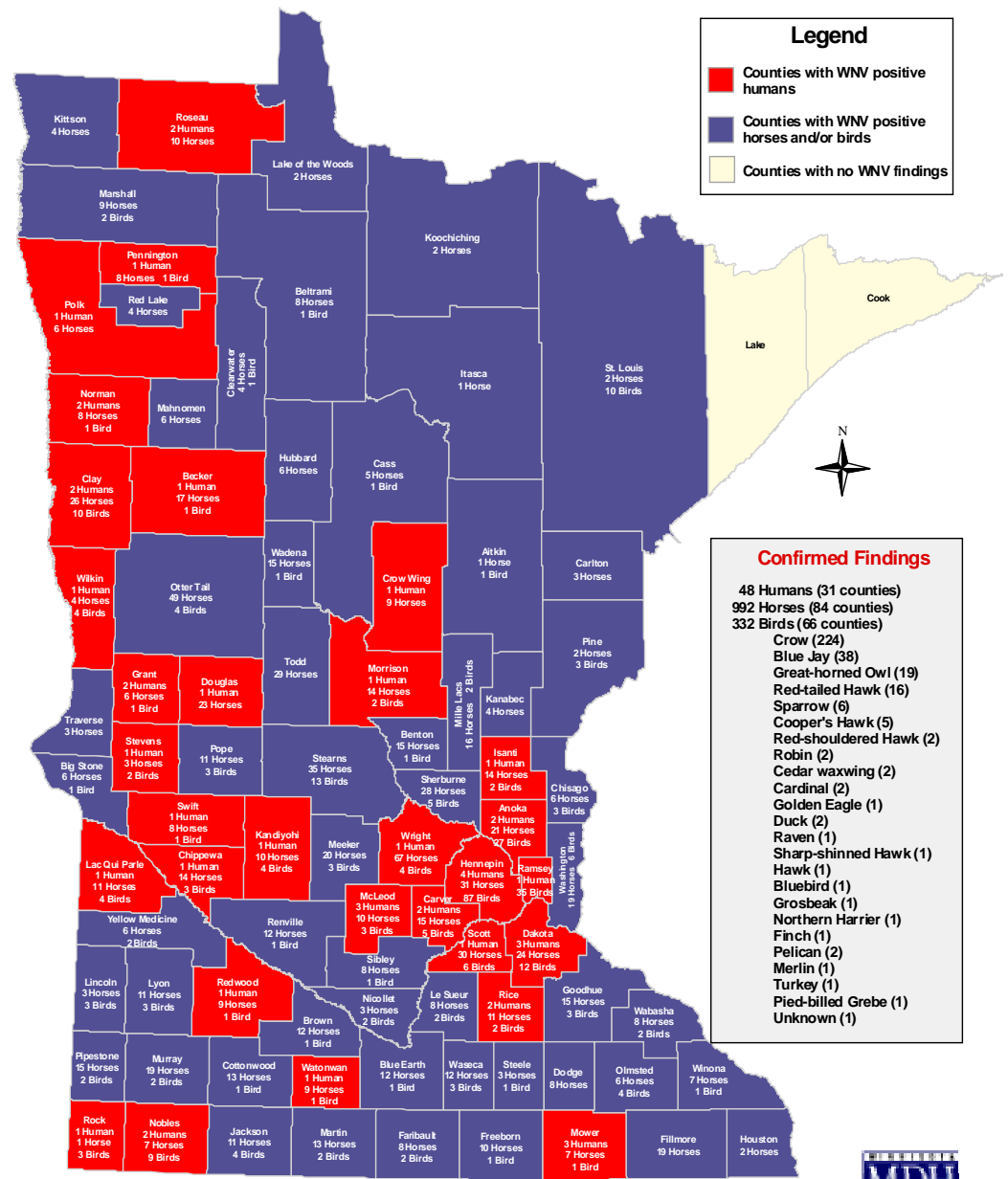
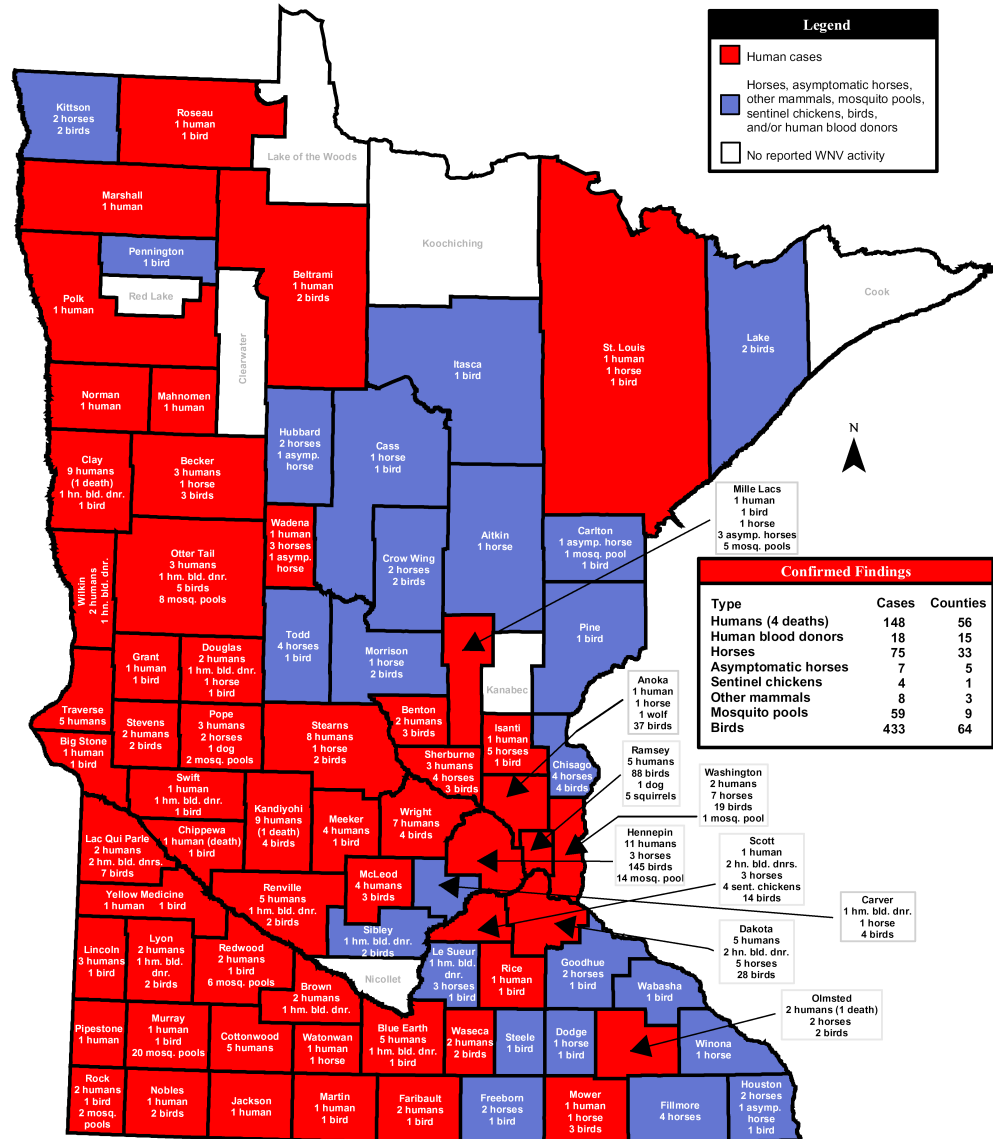


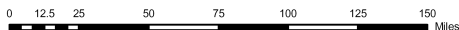
# West Nile Virus Positive Birds, Horses, and Humans by County, Minnesota, 6/1/2002 - 12/31/2002



# West Nile Virus Monitoring Minnesota, 2003



**Map Interpretation:**  
Geographic variation of WNV-infected humans, horses, chickens, mosquitoes, and birds reflected, in part, population density, awareness of WNV, location of farms and stables, location of mosquito traps, and total number of birds submitted for testing.



# WNV Cases in Minnesota, 2002-2003 Comparison

	<u>2002</u>	<u>2003 *</u>
Human cases	48 (0 deaths)	148 (4 deaths)
Equine cases	992	75
WNV positive birds	342	433
WNV positive mosquito samples	6	59

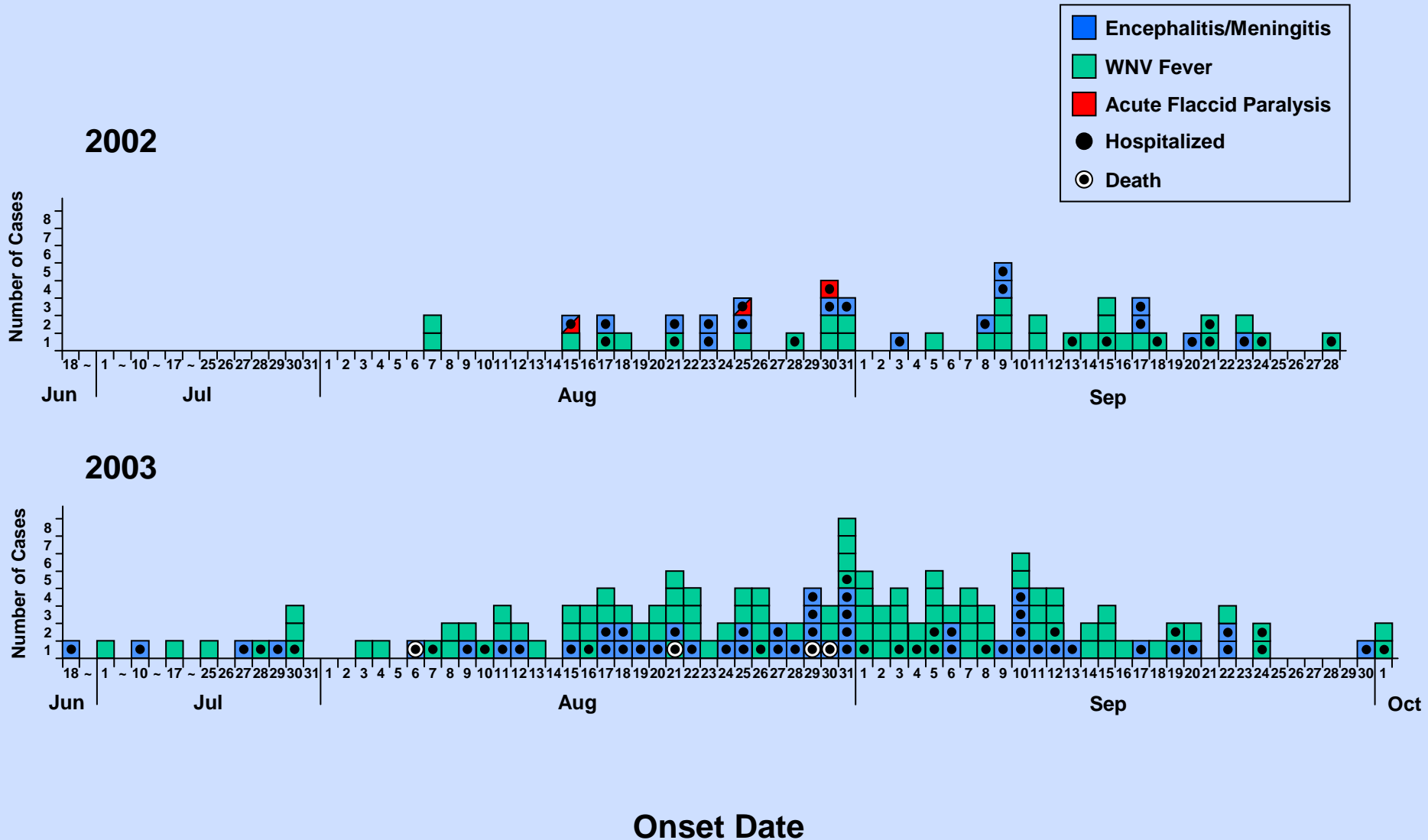
\* Reported as of 1/14/04

# Human WNV Cases in Minnesota, 2002-2003 Comparison

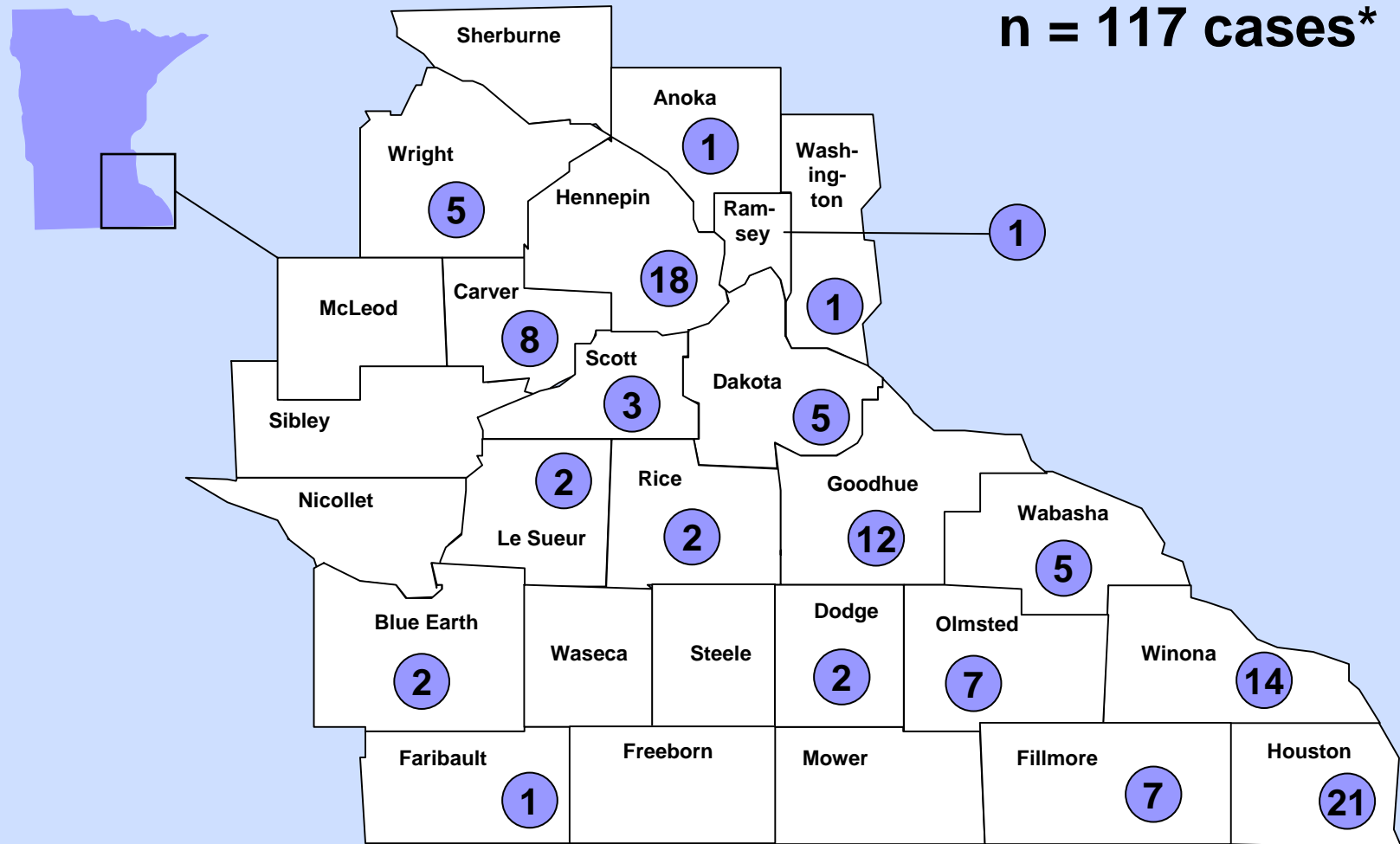
<u>Diagnosis</u>	<u>2002</u>	<u>2003 *</u>
Fever	31 (65%)	99 (67%)
Aseptic meningitis	7 (15%)	25 (17%)
Encephalitis	9 (19%)	24 (16%)
Acute flaccid paralysis	3 (6%)	0 (0%)

\* Reported as of 1/14/04

# Human WNV Cases by Date of Illness Onset, Minnesota, 2002 (n=48) and 2003 to Date (n=148)



# Reported Cases of LaCrosse Encephalitis by County of Residence, Minnesota, 1985-2003

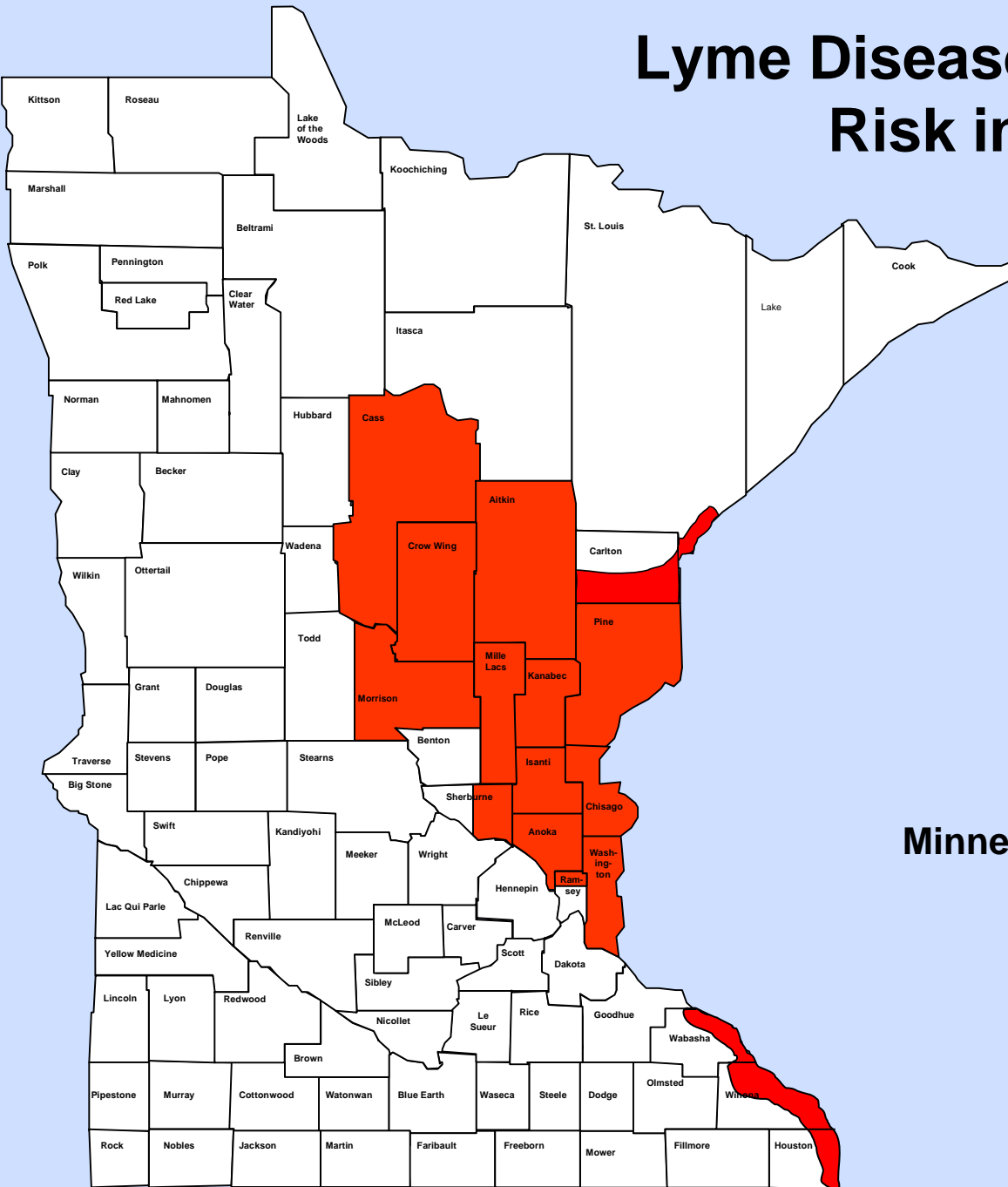


\*Cases include confirmed and probable cases

# Lyme Disease Areas of Highest Risk in Minnesota

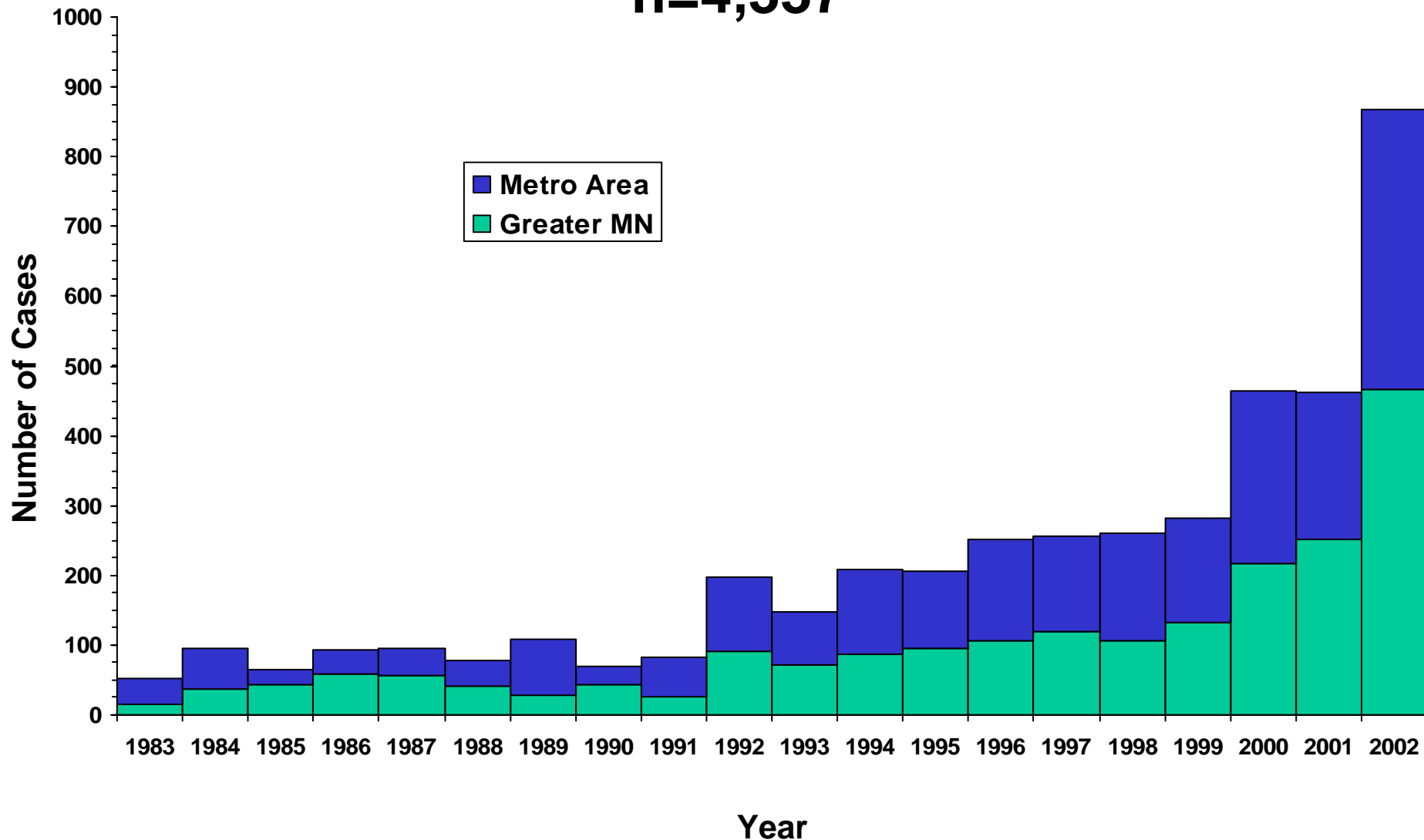
1993-2002  
n=3,404 cases

Minnesota Department of Health  
April 2003



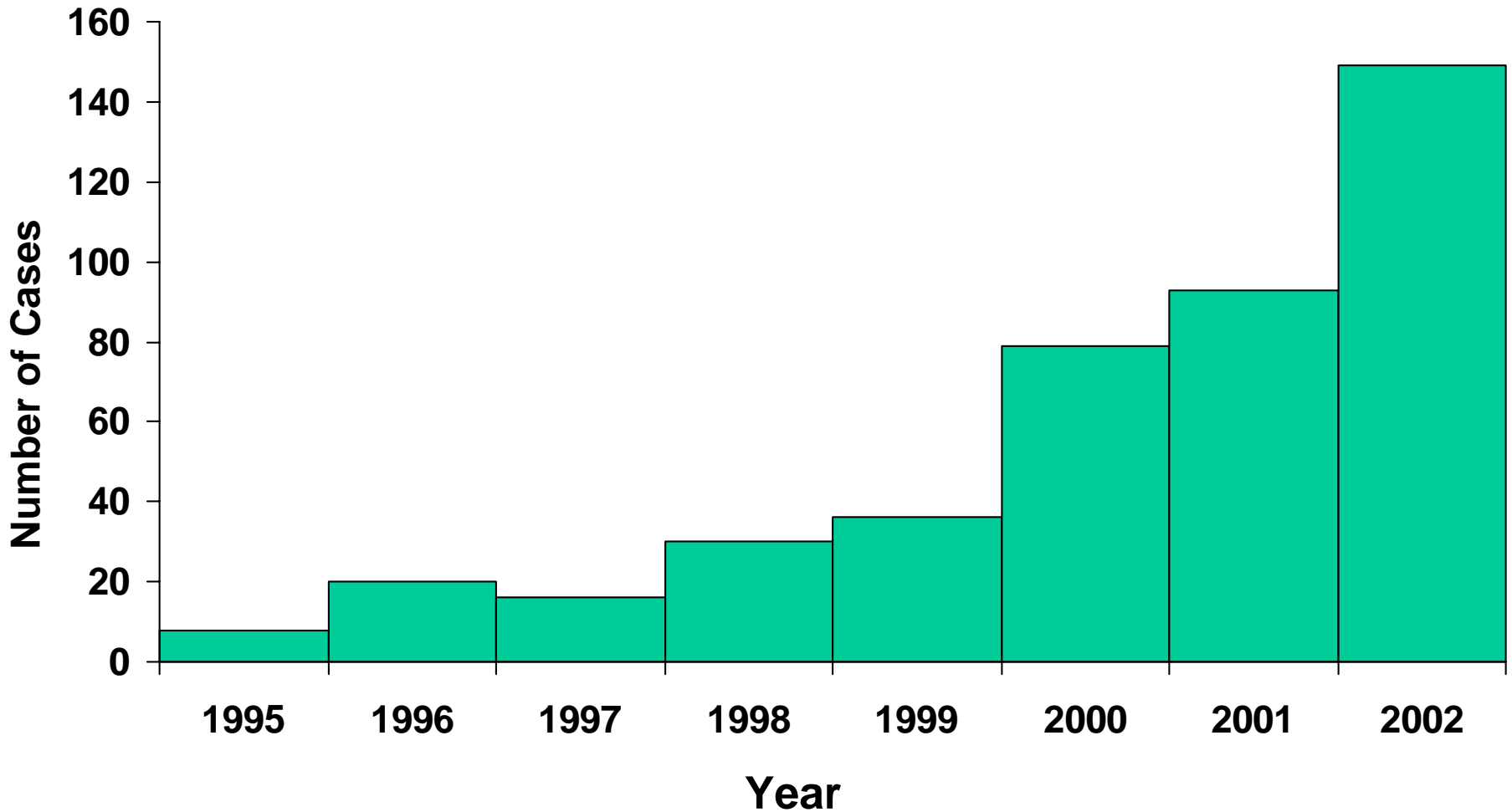
# Figure 2. Reported Cases of Lyme Disease in Minnesota by Location of Residence 1983-2002

n=4,337





# Reported Cases\* of Human Granulocytic Ehrlichiosis in Minnesota 1995-2002



\* Cases include confirmed and probable cases (n=431 cases)