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West Nile Virus Surveillance Report

September 2, 2010

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Chief Operating Officer

Mosquito Surveillance¹:

| | |
|---|---------|
| Week 34 (08/22/2010 – 08/28/2010) | |
| Number of female <i>Culex</i> mosquitoes tested | 12,203 |
| Number of <i>Culex</i> mosquito pools tested | 272 |
| Number of Positive Pools | 126 |
| Number of Communities with positive mosquito pools ² | 54 |
| Cumulative Totals (05/10/2010 – 08/28/2010) | |
| Number of female <i>Culex</i> mosquitoes tested | 234,111 |
| Number of <i>Culex</i> mosquito pools tested | 5,624 |
| Number of Positive Pools | 757 |
| Number of Communities with positive mosquito pools | 73 |

1. Includes mosquito surveillance data from Cook County Department of Public Health, Skokie Department of Public Health, Evanston Department of Public Health, North West Mosquito Abatement District, North Shore Mosquito Abatement District, Des Plaines Valley Mosquito Abatement District, South Cook County Mosquito Abatement District, and the Illinois Department of Public Health.

2. Communities are: Alsip, Berkeley, Berwyn, Broadview, Brookfield, Calumet City, Chicago Ridge, Cicero, Country Club Hills, Des Plaines, Evanston, Evergreen Park, Forest Park, Franklin Park, Glencoe, Glenview, Harvey, Harwood Heights, Hickory Hills, Hillside, Hodgkins, Homewood, Justice, Kenilworth, La Grange, La Grange Highlands, La Grange Park, Lansing, Lemont, Lincolnwood, Lynwood, Melrose Park, Morton Grove, Niles, Norridge, North Riverside, Northbrook, Northfield, Oak Forest, Oak Lawn, Oak Park, Olympia Fields, Orland Park, Palos Heights, Palos Hills, River Forest, Schiller Park, Skokie, Steger, Summit, Tinley Park, Willow Springs, Wilmette, and Winnetka.

Dead Birds: No birds were submitted during week 34. A total of 43 birds have been tested, of which 9 were positive.

Humans: No human cases.

Risk Assessment

There is a **moderate** risk of human West Nile Virus infection at this time. This is due to the increase in mosquito pools testing positive for WNV coupled with the recent rise in temperatures and dryer weather conditions.

Prevention: When outdoors between dusk and dawn, cover skin with lightly colored loose fitting clothing and use mosquito repellent with DEET, picaridin or oil of lemon eucalyptus. When applying repellent, always follow the directions on the product label. Get rid of standing water around your home in pet bowls, flower pots, old tires, baby pools and toys. Water that is allowed to stagnate for three or four days becomes a breeding ground for mosquitoes. Make sure your doors and windows have tightly fitting screens and repair any tears or other openings. Keep weeds and grass cut short and keep gutters clean and free of debris.

Disclaimer: All data are preliminary and may change as more reports are received.