### DISPATCHES

to persons severely affected, development of an effective vaccine is urgently needed to prevent disease. Until a vaccine becomes available, public health authorities will need to maintain their focus on surveillance, disease recognition, implementation of control measures, and public education about protective measures.

### Acknowledgments

We thank Jim Schuermann, Nate Wolfe, and Alexandra Ingber for their assistance with data collection and preparation of this manuscript.

This project was generously supported in part by the Gillson Longenbaugh Foundation and the National Institutes of Health, National Institute of Allergy and Infectious Diseases (5R01AI091816-01).

Dr Murray is the associate vice-chair for research and associate professor of pediatrics in the Department of Pediatrics and National School of Tropical Medicine at Baylor College of Medicine and Texas Children's Hospital. Her research focuses on vector-borne and zoonotic diseases.

### References

- Lillibridge KM, Parsons R, Randle Y, Travassos da Rosa AP, Guzman H, Siirin M, et al. The 2002 introduction of West Nile virus into Harris County, Texas, an area historically endemic for St. Louis encephalitis. Am J Trop Med Hyg. 2004;70:676–81.
- Nolan MS, Schuermann J, Murray KO. West Nile virus infection among humans, Texas, USA, 2002–2011. Emerg Infect Dis. 2013;19:137–9. http://dx.doi.org/10.3201/eid1901.121135

- Texas State Data Center. Texas Population Projections Program [cited 2013 May 20]. http://txsdc.utsa.edu/Data/TPEPP/Projections/ Index.aspx
- Murray K, Baraniuk S, Resnick M, Arafat R, Kilborn C, Cain K, et al. Risk factors for encephalitis and death from West Nile virus infection. Epidemiol Infect. 2006;134:1325–32. http://dx.doi. org/10.1017/S0950268806006339
- Nash D, Mostashari F, Fine A, Miller J, O'Leary D, Murray K, et al. The outbreak of West Nile virus infection in the New York City area in 1999. N Engl J Med. 2001;344:1807–14. http://dx.doi. org/10.1056/NEJM200106143442401
- Barber LM, Schleier JJ III, Peterson RK. Economic cost analysis of West Nile virus outbreak, Sacramento County, California, USA, 2005. Emerg Infect Dis. 2010;16:480–6. http://dx.doi.org/10.3201/ eid1603.090667
- Chung WMBC, Joyner SN, Hughes SM, Fomby TB, Luby JP, Haley RW. The 2012 West Nile encephalitis epidemic in Dallas, Texas. JAMA. 2013;310:297–307. http://dx.doi.org/10.1001/ jama.2013.8267
- Sejvar JJ, Haddad MB, Tierney BC, Campbell GL, Marfin AA, Van Gerpen JA, et al. Neurologic manifestations and outcome of West Nile virus infection. JAMA. 2003;290:511–5. http://dx.doi. org/10.1001/jama.290.4.511
- Nolan MS, Podoll AS, Hause AM, Akers KM, Finkel KW, Murray KO. Prevalence of chronic kidney disease and progression of disease over time among patients enrolled in the Houston West Nile virus cohort. PLoS ONE. 2012;7:e40374. http://dx.doi. org/10.1371/journal.pone.0040374
- Lindsey NP, Sejvar JJ, Bode AV, Pape WJ, Campbell GL. Delayed mortality in a cohort of persons hospitalized with West Nile virus disease in Colorado in 2003. Vector Borne Zoonotic Dis. 2012;12:230–5. http://dx.doi.org/10.1089/vbz.2011.0721

Address for correspondence: Kristy O. Murray, Department of Pediatrics, National School of Tropical Medicine, 1102 Bates St, Suite 550, Houston, TX 77030, USA; email: kmurray@bcm.edu

# etymologia

## **Diphtheria** [dif-thēr´e-ə]

From the Greek *diphthera* (leather), diphtheria is named for the tough pseudomembrane that forms in the patient's throat. One of the earliest accounts of what may have been symptoms of diphtheria is found in Hippocrates work Epidemics III, written 2,500 years ago. Reports of epidemics of "throat distemper" began to appear in the 1500s, but before the 19th century, diphtheria

was known around the world by many different names, such as Syrian ulcer, membranous angina, malignant croup, and Boulogne sore throat. In 1821, French physician Pierre Bretonneau described diphtheria's unique clinical characteristics during an epidemic in southern France, when he named it *diphtérite* after the leathery texture of the pseudomembrane.

#### Sources

- Laval E. The strangling of children (diphtheria) in Spain (16th and 17th centuries) [in Spanish]. Rev Chilena Infectol. 2006;23:78– 80. http://dx.doi.org/10.4067/S0716-10182006000100012
- MacGregor RR. Corynebacterium diphtheriae. In: Mandell GL, Bennett JE, Dolin R, editors. Principles and practices of infectious diseases. 7th ed. Philadelphia: Churchill Livingstone; 2010. p. 2687–93.

Address for correspondence: Ronnie Henry, Centers for Disease Control and Prevention, 1600 Clifton Rd NE, Mailstop E03, Atlanta, GA 30333, USA; email: boq3@cdc.gov

DOI: http://dx.doi.org/10.3201/eid1911.ET1911