



**DEPARTMENT OF HEALTH & HUMAN SERVICES**  
**Centers for Disease Control and Prevention**  
 Request for CERT



Date

To

From

Subject

Location

**Nature of problem**

On June 25<sup>th</sup>, 2016, a 73 year old male died in a Salt Lake City Hospital. He had returned from Mexico on June 14 and began feeling unwell on June 17. He sought care first on June 19<sup>th</sup> and then was admitted on June 22<sup>th</sup>. Following admission, his health rapidly declined and he died 3 days following admission with suspected dengue hemorrhagic shock syndrome. Testing performed after his death identified Zika viral RNA in a blood sample obtained during his hospital admission; the level of viremia in his blood sample, as suggested by the values obtained with the RT-PCR assay, were uncharacteristically high.

On July 1<sup>st</sup>, an adult male family contact reported developing a subjective fever and then progressed to develop a rash and conjunctivitis. The family contact had no history of travel but had been in contact with the index patient during his period of viremia. Testing of urine obtained 7 days after illness onset for the family contact was positive for Zika viral RNA at the Utah State Public Health Laboratory. Given the second case's lack of travel or other known risk factors for acquiring Zika virus, there is a concern about local transmission through a potentially unidentified mode of transmission. Utah Department of Health is requesting CDC's assistance to better define how the second case was infected given his contact with the index case.

Date problem first identified by requesting agency

Date of request for CDC assistance

**Initial CDC contacts**

|                |   |
|----------------|---|
| Maleeka Glover | MIT/CERT Lead, CDC Emergency Operations Center    |
| Ingrid Rabe    | Medical Epidemiologist, Arboviral Diseases Branch |
| Susan Hills    | Medical Epidemiologist, Arboviral Diseases Branch |

Caller/correspondent

Name of inviter  Inviter E-mail

**DEPARTMENT OF HEALTH & HUMAN SERVICES**  
**Centers for Disease Control and Prevention**  
Request for CERT

**Contacts**

CDC Staff (Center/Division/Branch, Name, Title)

**NCEZID/OD**

Beth Bell, MD, MPH, Director  
Chris Braden, MD, Deputy Director  
Tracee Treadwell, DVM, MPH, Acting Director

**NCEZID/DVBD**

Lyle Petersen, MD, MPH, Incident Manager for Zika virus response  
Ronald Rosenberg, PhD, Acting Division Director  
Susan Hills, MBBS, Medical Epidemiologist  
Marc Fischer, MD, MPH, Surveillance and Epidemiology Activity Chief  
J. Erin Staples, MD, PhD, Medical Epidemiologist  
Elisabeth Krow-Lucal, PhD, MPH, EIS Officer  
Amy Lockwood, Communications  
Harry Savage, PhD, Entomology and Ecology Activity Chief  
Marvin Godsey, Entomologic technician  
Amy Lambert, PhD, Diagnostic and Reference Laboratory Chief

**NCEZID/DHQP**

Scott Fridkin, MD, Medical Epidemiologist  
Brian Christensen, PhD, MEPC Epidemiologist  
Shannon Novosad, MD, MPH, EIS officer

**CDC Emergency Operations Center, 2016 Zika Response**

Maleeka Glover, ScD, MPH, MIT/CERT Lead, CDC Emergency Operations Center  
Denise Jamieson, MD, MPH, Acting IM  
Satish Pillai, MD, MPH, Deputy IM  
Ben Beard, PhD, MS, Deputy IM  
Toby Merlin, MD, CERT team lead  
Margaret Cortese, MD, Medical Epidemiologist  
John O'Connor, Communications lead  
Kristen Nordlund, Media and communications  
Nina Johnson, Operations  
Carol Rao, MD, Pregnancy and Birth Defects

State/Local/Territory health officials (Organization, Name, Title)

Utah Department of Health, Allyn Nakashima, State Epidemiologist  
Utah Department of Health, Angela Dunn, Deputy State Epidemiologist  
Utah Department of Health, Dr. Robert Rolfs, Deputy Director

Other persons contacted (Organization, Name, Title)

**DEPARTMENT OF HEALTH & HUMAN SERVICES**  
**Centers for Disease Control and Prevention**  
Request for CERT

Does this involve a federal facility (Indian Health Service/tribal facility, military facility, Veterans Affairs hospital, etc.)?

No:

Yes (specify):

**Nature and timing of response**

On July 13, 2016, Drs. Scott Fridkin, Bryan Christensen, and Shannon Novosad with the Division of Health Quality and Promotion, Kristen Nordlund and Amy Lockwood, Communication Specialist, and Nina Johnson, Operational Manager will depart from Atlanta and Fort Collins to arrive in Salt Lake City to begin assisting the Utah Department of Health with the investigation. They will be joined by Drs. Erin Staples and Liz Krow-Lucal, subject matter experts and epidemiologists with the Division of Vector-borne Diseases in Fort Collins, and Dr. Margaret Cortese, an epidemiologist from the Division of Viral Diseases in Atlanta on July 14 and by Dr. Harry Savage and Marvin Godsey, Entomologists with the Division of Vector-borne Diseases on July 15.

Anticipated duration of CERT deployment

**CIO providing oversight of the investigation (Center/Division/Branch)**

NCEZID/OD

**CIO sharing oversight of the investigation (Center/Division/Branch)**

NCEZID/DVBD

**CDC supervisors responsible for technical supervision of investigators and CERT report (Organization, Name, Title)**

Dr. Maleeka Glover

**Objectives of the CERT mission**

- Assess the potential of person-to-person transmission among family contacts and health care workers
- Evaluate the potential of environmental transmission of Zika virus through assisting with vector surveillance and community survey
- Provide assistance to Utah Department of Health in developing communication messages and tools
- Develop or adapt existing guidelines to prevent transmission of Zika virus based on the findings of the investigation

DEPARTMENT OF HEALTH & HUMAN SERVICES  
Centers for Disease Control and Prevention  
Request for CERT

Submitted by:

Name

Lyle Petersen

Title

Incident Manager, Zika Response

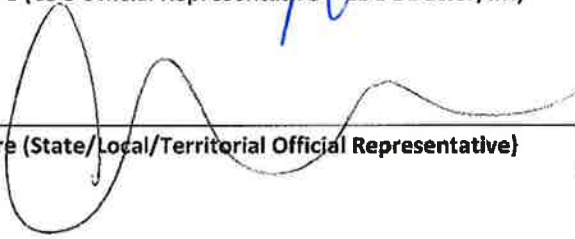
Organization

Division of Vector Borne Diseases, NCEZID



Signature (CDC Official Representative - CDC Director/IM)

Signature (State/Local/Territorial Official Representative)



Angela C. Dunn, M.D., M.P.H.  
Deputy State Epidemiologist  
Utah Dept of Health