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DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention

[30Day-14-0888]

Agency Forms Undergoing Paperwork Reduction Act Review

The Centers for Disease Control and Prevention (CDC) publishes a list of information collection requests under review by the Office of Management and Budget (OMB) in compliance with the Paperwork Reduction Act (44 U.S.C. Chapter 35). To request a copy of these requests, call (404) 639-7570 or send an email to omb@cdc.gov. Send written comments to CDC Desk Officer, Office of Management and Budget, Washington, DC 20503 or by fax to (202) 395-5806. Written comments should be received within 30 days of this notice.

Proposed Project

Persistence of Viable Influenza Virus in Aerosols (0920-0888, Expiration 05/31/2014) - Revision - National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

Background and Brief Description

The National Institute for Occupational Safety and Health (NIOSH) is authorized to conduct research to advance the health and safety of workers under Section 20(a)(1) of the 1970 Occupational Safety and Health Act. Influenza continues to be a major public health concern because of the substantial health burden from seasonal influenza and the potential for a severe pandemic. Although influenza is known to be transmitted by infectious secretions, these secretions can be transferred from person to person in many different ways, and the relative importance of the different pathways is not known. The likelihood of the transmission of influenza virus by small infectious airborne particles produced during coughing and breathing is particularly unclear. The question of airborne transmission is especially important in healthcare facilities, where influenza patients tend to congregate during influenza season, because it directly impacts the infection control and personal protective measures that should be taken by healthcare workers.

The purpose of this study is to measure the amount of viable influenza virus in airborne particles that are produced by patients when they cough, and the size and quantity of the particles carrying the virus. A better understanding of the amount of potentially infectious material released by patients

and the size of the particles carrying the virus will assist in determining the possible role of airborne transmission in the spread of influenza and in devising measures to prevent it.

Volunteer adult participants will be recruited by a test coordinator using a poster and flyers describing the study. Interested potential participants will be screened verbally to verify that they have influenza-like symptoms and that they do not have any medical conditions that would preclude their participation.

Qualified participants who agree to participate in the study will be asked to read and sign an informed consent form, and then to complete a short health questionnaire. After completing the forms, medical testing will take place. This testing will include two nasopharyngeal swabs and one oropharyngeal swab collected from the participant. In the final element of medical testing, they then will be asked to cough repeatedly into an aerosol particle collection system, and the airborne particles produced by the participant during coughing will be collected and tested. The sounds produced during coughing will also be recorded for analysis and comparison to the amount of virus expelled. The study will require 60 volunteer test subjects each year for 3 years, for a total of 180 test participants. There

are no costs to respondents other than their time. The total number of annual burden hours will be 168.

Estimated Annualized Burden Hours

Type of Respondents	Form Name	No. of Respondents	No. of Responses per Respondent	Avg. Burden per Response (in hrs.)
Potential participant	Initial verbal screening	360	1	3/60
Qualified participant	Informed consent form	180	1	15/60
Qualified participant	Health questionnaire	180	1	5/60
Qualified participant	Medical testing	180	1	30/60

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