

where the study will be conducted. Participants will perform alternating resistance and aerobic exercises followed by brief surveys to evaluate sleepiness (Karolinska Sleepiness Scale), affect (Positive and Negative Affect Schedule), and fatigue. Following these surveys, two cognitive tests (PVT and N-back, which measures vigilance, working memory, and complex tracking) will be administered. Testing will occur at room temperature and in hot conditions to compare cognitive test results between conditions. Participants will swallow temperature pills and wear

bio-harnesses to enable the collection of real-time core body temperature and heart rate data. An initial health screening questionnaire as well as additional questionnaires administered prior to each test will be used to ensure that participants are able to withstand the physical demands of testing and to provide information on factors that affect individual variability to heat tolerance. Additionally, a physical examination and fingerstick blood tests will be used for health screening. The purpose of collecting data in the environmental chamber is to compare

physiologic and cognitive measurements at different core body temperatures to evaluate factors contributing to individual variability in cognitive and physiologic responses to heat and to evaluate whether core body temperature thresholds exist above which cognitive deficits are observed.

The total estimated burden hours are 109 for the field study and 77 for the environmental chamber study for a total of 186. There are no costs to respondents other than their time.

ESTIMATED ANNUALIZED BURDEN HOURS

Type of respondent	Form name	Number of respondents	Number responses per respondent	Average burden per response (hours)	Total burden (hours)	
Miners	Informed consent form (field)	59	1	30/60	30	
	Initial health screening questionnaire (field).	59	1	30/60	30	
	Mid-shift field questionnaire	59	4	1/60	4	
	PVT cognitive test	59	5	5/60	25	
	Post-shift field questionnaire	59	2	10/60	20	
Miners/firefighters/construction workers.	Informed consent form (chamber)	30	1	30/60	15	
	Physical examination form	30	1	10/60	5	
	Initial health screening questionnaire (chamber).	30	1	30/60	15	
	Release of information form	5	1	1/60	1	
	TSS and RPE	30	5	1/60	3	
	PANAS and KSS	30	5	2/60	5	
	Cognitive test: PVT	30	5	10/60	25	
	Cognitive test: N-back	30	5	1/60	3	
	Pre-testing health questionnaire	30	2	5/60	5	
	<b>Total</b>					<b>186</b>

**Jeffrey M. Zirger,**

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**DEPARTMENT OF HEALTH AND HUMAN SERVICES**

**Centers for Disease Control and Prevention**

[60Day-20-1198; Docket No. CDC-2020-0014]

**Proposed Data Collection Submitted for Public Comment and Recommendations**

**AGENCY:** Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS).

**ACTION:** Notice with comment period.

**SUMMARY:** The Centers for Disease Control and Prevention (CDC), as part of its continuing effort to reduce public

burden and maximize the utility of government information, invites the general public and other Federal agencies the opportunity to comment on a proposed and/or continuing information collection, as required by the Paperwork Reduction Act of 1995. This notice invites comment on a proposed information collection project titled "Cyclosporiasis National Hypothesis Generating Questionnaire". The Cyclosporiasis National Hypothesis Generating Questionnaire (CNHGQ) facilitates the collection of standard data during investigations of outbreaks of cyclosporiasis, thereby increasing the likelihood that outbreaks will be recognized and sources will be identified.

**DATES:** CDC must receive written comments on or before April 27, 2020.

**ADDRESSES:** You may submit comments, identified by Docket No. CDC-2020-0014 by any of the following methods:

- **Federal eRulemaking Portal:** [Regulations.gov](https://www.regulations.gov). Follow the instructions for submitting comments.

- **Mail:** Jeffrey M. Zirger, Information Collection Review Office, Centers for Disease Control and Prevention, 1600 Clifton Road NE, MS-D74, Atlanta, Georgia 30329.

*Instructions:* All submissions received must include the agency name and Docket Number. CDC will post, without change, all relevant comments to [Regulations.gov](https://www.regulations.gov).

*Please note: Submit all comments through the Federal eRulemaking portal ([regulations.gov](https://www.regulations.gov)) or by U.S. mail to the address listed above.*

**FOR FURTHER INFORMATION CONTACT:** To request more information on the proposed project or to obtain a copy of the information collection plan and instruments, contact Jeffrey M. Zirger, Information Collection Review Office, Centers for Disease Control and Prevention, 1600 Clifton Road NE, MS-D74, Atlanta, Georgia 30329; phone: 404-639-7570; Email: [omb@cdc.gov](mailto:omb@cdc.gov).

**SUPPLEMENTARY INFORMATION:** Under the Paperwork Reduction Act of 1995 (PRA) (44 U.S.C. 3501–3520), Federal agencies must obtain approval from the Office of Management and Budget (OMB) for each collection of information they conduct or sponsor. In addition, the PRA also requires Federal agencies to provide a 60-day notice in the **Federal Register** concerning each proposed collection of information, including each new proposed collection, each proposed extension of existing collection of information, and each reinstatement of previously approved information collection before submitting the collection to the OMB for approval. To comply with this requirement, we are publishing this notice of a proposed data collection as described below.

The OMB is particularly interested in comments that will help:

1. Evaluate whether the proposed collection of information is necessary for the proper performance of the functions of the agency, including whether the information will have practical utility;
2. Evaluate the accuracy of the agency's estimate of the burden of the proposed collection of information, including the validity of the methodology and assumptions used;
3. Enhance the quality, utility, and clarity of the information to be collected; and
4. Minimize the burden of the collection of information on those who are to respond, including through the use of appropriate automated, electronic, mechanical, or other technological collection techniques or other forms of information technology, e.g., permitting electronic submissions of responses.
5. Assess information collection costs.

**Proposed Project**

Cyclosporiasis National Hypothesis Generating Questionnaire (OMB Control

No. 0920–1198 Exp. 9/30/2020)–Revision—Centers for Global Health (CGH), Centers for Disease Control and Prevention (CDC).

*Background and Brief Description*

An estimated one in six Americans per year becomes ill with a foodborne disease. Foodborne outbreaks of cyclosporiasis—caused by the parasite *Cyclospora cayetanensis*—have been reported in the United States since the mid-1990s and have been linked to various types of fresh produce. During the 15-year period of 2000–2014, 31 U.S. foodborne outbreaks of cyclosporiasis were reported; the total case count was 1,562. It is likely that more cases (and outbreaks) occurred than were reported; in addition, because of insufficient data, many of the reported cases could not be directly linked to an outbreak or to a particular food vehicle.

Collecting the requisite data for the initial hypothesis-generating phase of investigations of multistate foodborne disease outbreaks is associated with multiple challenges, including the need to have high-quality hypothesis-generating questionnaire(s) that can be used effectively in multijurisdictional investigations. Such a questionnaire was developed in the past for use in the context of foodborne outbreaks caused by bacterial pathogens; that questionnaire is referred to as the Standardized National Hypothesis Generating Questionnaire (SNHGQ). However, not all of the data elements in the SNHGQ are relevant to the parasite *Cyclospora* (e.g., questions about consumption of meat and dairy products); on the other hand, additional data elements (besides those in the SNHGQ) are needed to capture information pertinent to *Cyclospora* and to fresh produce vehicles of infection. Therefore, the Cyclosporiasis National

Hypothesis Generating Questionnaire (CNHGQ) has been developed, by using core data elements from the SNHGQ and incorporating modifications pertinent to *Cyclospora*.

The core data elements from the SNHGQ were developed by a series of working groups comprised of local, state, and federal public health partners. Subject matter experts at CDC have developed the CNHGQ, by modifying the SNHGQ to include and focus on data elements pertinent to *Cyclospora*/cyclosporiasis. Input also was solicited from state public health partners. Because relatively few data elements in the SNHGQ needed to be modified, a full vetting process was determined not to be necessary. The CNHGQ has been designed for administration over the telephone by public health officials, to collect data elements from case-patients or their proxies. The data that are collected will be pooled and analyzed at CDC, to generate hypotheses about potential vehicles/sources of infection.

CDC requests OMB approval to collect information via the CNHGQ from persons who have developed symptomatic cases of *Cyclospora* infection during periods in which increased numbers of such cases are reported (typically, during spring and summer months). In part because molecular typing methods are not yet available for *C. cayetanensis*, it is important to interview all case-patients identified during periods of increased reporting, to help determine if their cases could be part of an outbreak(s).

The CNHGQ is not expected to entail substantial burden for respondents. The estimated total annualized burden associated with administering the CNHGQ is 1875 hours (approximately 2,500 individuals interviewed × 45 minutes/response). There will be no costs to respondents other than their time.

**ESTIMATED ANNUALIZED BURDEN HOURS**

Type of respondents	Form name	Number of respondents	Number of responses per respondent	Average burden per response (in hours)	Total burden (in hours)
Ill individuals identified as part of an outbreak investigation.	Cyclosporiasis National Hypothesis Generating Questionnaire.	2,500	1	45/60	1875
Total .....	.....	.....	.....	.....	1875

**Jeffrey M. Zirger,**

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