

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

Youth Outreach Generic Clearance for the National Center for Health Statistics (NCHS) (OMB Control No. 0920–1185, Exp. 5/31/2020)—Extension—National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC).

Background and Brief Description

NCHS is authorized to collect data under Section 306 of the Public Health

Service Act (42 U.S.C. 242k). NCHS has a history of reaching out to young people to encourage their interest in Science, Technology, Engineering and Math (STEM). Examples of past involvement include adopting local schools, speaking at local colleges, conducting a Statistics Day for high school students, and, most recently, conducting the NCHS Data Detectives Camp for middle school students.

The success of these programs has inspired NCHS leadership and staff to want to look for new and continuing opportunities to positively impact the lives of young people and expand their interest, understanding of and involvement in the sciences. NCHS requests approval for an Extension to a Generic Clearance mechanism (OMB Control No. 0920–1185) to collect information for these youth outreach activities and to inform future NCHS planning activities. These activities include hosting the Data Detectives Camp annually; hosting Statistics Day annually; creating youth poster sessions for professional conferences (such as the

NCHS National Conference on Health Statistics or the American Statistical Association Conference etc.); hosting a statistical or health sciences etc. fair or other STEM related competitions; organizing a STEM Career Day or similar activity; developing web-based sites or materials with youth focus as well as other programs developed to meet future youth outreach needs, particularly activities that encourage STEM.

Information will be collected using a combination of methodologies appropriate to each program. These may include: registration forms, letters of recommendation, evaluation forms; mail surveys; focus groups; automated and electronic technology (e.g. email, Web-based surveys); and telephone surveys.

OMB approval is requested for three years to conduct the Youth Outreach Generic Clearance for the National Center for Health Statistics (NCHS). Participation is voluntary and there are no costs to respondents other than their time. The total estimated annualized burden hours are 1,750.

ESTIMATED ANNUALIZED BURDEN HOURS

Type of survey	Respondent	Number of respondents	Number of responses/respondent	Average burden/response (in hours)	Response burden (in hours)
Questionnaires/Applications	Student/Youth	800	1	30/60	400
Applicants Questionnaire/Application	Parents/Guardians of Applicants	800	1	30/60	400
Applications, Recommendations, and Other applicant-supporting documentation.	School Officials/Community Representatives.	1,200	1	30/60	600
Focus Groups	Student/Youth; Parent/Guardian; School Officials; Other.	50	1	60/60	50
Other Program Surveys	Student/Youth; Parent/Guardian; School Officials; Other.	600	1	30/60	300
Total	1,750

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DEPARTMENT OF HEALTH AND HUMAN SERVICES

Centers for Disease Control and Prevention

[60Day–20–20HO; Docket No. CDC–2020–0017]

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 Heat-related Changes in Cognitive Performance. The purpose of this study is to collect information on burden of heat strain among miners as well as factors related to personal risk and core body temperature that contribute to individual variability in heat tolerance and to declines in heat-related worker performance.

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

ADDRESSES: You may submit comments, identified by Docket No. CDC-2020-0017 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.

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

Heat-related Changes in Cognitive Performance—New—National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC).

Background and Brief Description

NIOSH, under Public Law 91-173 as amended by Public Law 95-164 (Federal Mine Safety and Health Act of 1977), and PL 109-236 (Mine Improvement and New Emergency Response Act of 2006) has the responsibility to conduct research to improve working conditions and to prevent accidents and occupational diseases in U.S. mines. Heat strain is one of these occupational diseases and is an increasing problem among many industries, including mining. As mines expand into deeper and hotter environments, and as heat waves occur with increasing frequency and severity, heat strain among underground and surface miners is likely to increase. Not only can heat strain lead to heat illness, but studies have demonstrated associations between heat exposure and work injuries. Although the underlying mechanism between heat exposure and injury is not known, reduced cognitive function is likely contributory.

Despite the increasing importance of heat strain in mining, few studies have focused on heat strain among U.S. miners. The few studies that are available have demonstrated that miners often exceed a core body temperature of 38°C during work activities, which is above the recommended threshold, but more information on frequency, duration, and intensity of elevated core body temperatures is needed in order to focus future heat strain research to better serve the mining industry.

In addition to determining the patterns of duration and intensity of heat strain among U.S. miners, investigating the additional effects of heat strain beyond the risk of heat illness is an important step in improving miner health and safety. Studies have demonstrated associations between heat stress and cognitive deficits, but substantial inter- and intra-individual variability exists in the physiologic and cognitive responses to

heat exposure. More information is needed about the most important factors (e.g., age, sex, chronic disease, fitness level, hydration) contributing to individual variability as well as interactions between these factors, because individual variability likely affects the usefulness of one-size-fits-all heat stress indices that are currently used in mining. Additionally, it is unclear which characteristics of core body temperature (e.g., absolute temperature thresholds vs. rising or falling temperatures vs rate of temperature change) are most associated with cognitive dysfunction. A better understanding of how individual variability and core body temperature relate to cognitive deficits would assist in developing strategies for screening and monitoring miners to mitigate or prevent heat strain. Therefore, this study aims to assess the following objectives: (1) Whether a core body temperature threshold exists at which cognitive performance begins to decline, (2) What factors most contribute to individual variability in cognitive and physiologic responses to heat, and (3) What patterns of duration and intensity of heat strain are most common among U.S. surface and underground miners.

To study these objectives, a dual-arm field and laboratory study will be conducted. The field study will be conducted at surface and underground mines. Data will be collected from miners working in warm or hot areas of participating mines. Participants will swallow temperature pills to measure core body temperature and will wear bio-harnesses to measure heart rate. Two six-minute assessments will be taken during each shift. The assessments include questions on sleepiness and work tasks and a Psychomotor Vigilance Test (PVT) to assess vigilant attention and reaction time. An initial screening questionnaire as well as post-shift questionnaires will be used to obtain information on risk factors for heat strain and cognitive deficits. The purpose of collecting data at the field sites is to evaluate the frequency, duration, and intensity of heat strain by monitoring core body temperature and heart rate throughout two complete shifts, as well as to assess associations between core body temperature and cognitive deficits.

The laboratory study will be conducted in an environmental chamber, in which environmental conditions can be highly controlled. Data will be collected from miners, construction workers, and firefighters. These three groups were chosen because of their risk of heat exposure and their proximity to the NIOSH laboratory

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

Total	186

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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*. 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*.

Please note: Submit all comments through the Federal eRulemaking portal (*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.