

PECOTS (POPULATIONS, EXPOSURES, COMPARATORS, OUTCOMES, TIMING AND SETTING) ELIGIBILITY CRITERIA FOR ALL KEY QUESTIONS—Continued

Element	Key Question 1	Key Question 2	Key Question 3
Outcomes .....	<p>HCW burnout, including instruments such as:</p> <ul style="list-style-type: none"> <li>• Maslach Burnout Inventory</li> <li>• Oldenburg Burnout Inventory</li> <li>• Copenhagen Burnout Inventory</li> <li>• Two-Item Maslach Burnout Inventory</li> <li>• Physician Worklife Study Single Item Question</li> <li>• Professional Quality of Life (ProQOL) Burnout scale</li> <li>• Institute for Professional Worklife Mini Z Survey</li> </ul>	<ul style="list-style-type: none"> <li>• HCW family outcomes, such as:                             <ul style="list-style-type: none"> <li>○ Marital/relationship stress measured by a partner</li> <li>○ Divorce/separation rates</li> </ul> </li> <li>• Patient outcomes, such as:                             <ul style="list-style-type: none"> <li>○ Safety</li> <li>○ Satisfaction</li> <li>○ Adverse events</li> <li>○ Mortality</li> </ul> </li> <li>• Healthcare organization outcomes, such as:                             <ul style="list-style-type: none"> <li>○ Productivity (including presenteeism, absenteeism, work-related injuries and illnesses)</li> <li>○ Staff turnover (including due to retirement, leaving the profession, mortality, or suicide)</li> </ul> </li> <li>• Societal outcomes, such as:                             <ul style="list-style-type: none"> <li>○ Workforce shortages</li> </ul> </li> </ul>	<p>HCW burnout, including instruments such as:</p> <ul style="list-style-type: none"> <li>• Maslach Burnout Inventory.</li> <li>• Oldenburg Burnout Inventory.</li> <li>• Copenhagen Burnout Inventory.</li> <li>• Two-Item Maslach Burnout Inventory.</li> <li>• Physician Worklife Study Single Item Question.</li> <li>• ProQOL Burnout scale.</li> <li>• Institute for Professional Worklife Mini Z Survey.</li> </ul>
Mediating Factors.	<ul style="list-style-type: none"> <li>• Individual factors such as stress, satisfaction, wellbeing, engagement, sleep quality, suicidal ideation, depression, anxiety, meaningful work, mattering, moral distress or injury, workplace injury or illness.</li> </ul>		
Modifying Factors.	<ul style="list-style-type: none"> <li>○ Demographic characteristics: (e.g., age, sex, race, ethnicity).</li> <li>○ Occupational title (e.g., physician, nurse, allied health professional, other).</li> <li>○ Educational attainment (e.g., high school, some college, college degree, graduate degree).</li> <li>○ Experience (e.g., number of years employed).</li> <li>○ Income (e.g., household income, socioeconomic status).</li> <li>○ Time (e.g., year of outcome ascertainment, or binned by pre-, concurrent and post-pandemic).</li> <li>○ Shift characteristics: (e.g., timing, duration, knowledge of shift, mandatory overtime).</li> <li>○ Job tasks (e.g., patient-facing vs. non-patient-facing, physical demands as high, moderate, low).</li> <li>○ Geographic location (e.g., U.S. census region, urban vs. suburban vs. rural).</li> </ul>		
Study Designs ...	<ul style="list-style-type: none"> <li>• Cross-sectional studies.</li> <li>• Cohort studies.</li> </ul>	<ul style="list-style-type: none"> <li>• Randomized controlled trials.</li> <li>• Non-randomized controlled trials.</li> <li>• Observational cohort studies with a comparison group.</li> <li>• Pre-post studies (with adjustment for confounders).</li> </ul>	
Timing .....	Published since 2014.		
Settings .....	All U.S. healthcare delivery settings where HCWs work (e.g., ambulatory, prehospital, emergency, various inpatient services, post-acute or skilled nursing/long-term care, including medical, surgical, and mental health care settings).		

Abbreviations: HCW = healthcare worker; PPE = personal protective equipment, ProQOL = Professional Quality of Life.

Dated: December 12, 2024.

**Marquita Cullom,**

*Associate Director.*

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**DEPARTMENT OF HEALTH AND HUMAN SERVICES**

**Centers for Disease Control and Prevention**

**Notice of Closed Meeting**

Pursuant to 5 U.S.C. 1009(d), notice is hereby given of the following meeting.

The meeting will be closed to the public in accordance with the provisions set forth in sections 552b(c)(4) and 552b(c)(6), title 5 U.S.C., as amended, and the Determination of the Director, Office of Strategic Business Initiatives, Office of the Chief Operating Officer, Centers for Disease Control and Prevention, pursuant to Public Law 92–463. The grant applications and the discussions could disclose confidential

trade secrets or commercial property such as patentable material, and personal information concerning individuals associated with the grant applications, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

*Name of Committee:* Disease, Disability, and Injury Prevention and Control Special Emphasis Panel; (SEP)—RFA—OH—25–002, Panel A, Occupational Safety and Health Education and Research Centers (ERC).

*Dates:* February 24–25, 2025.

*Times:* 11:00 a.m.–5:00 p.m., EST.

*Place:* Video-Assisted Meeting.

*Agenda:* To review and evaluate grant applications.

*For Further Information Contact:* Dan Hartley, Ed.D., Scientific Review Officer, Office of Extramural Programs, National Institute for Occupational Safety and Health, Centers for Disease Control and Prevention, 1095 Willowdale Road, Morgantown, West Virginia 26505. Telephone: (304) 285–5812; Email: [DHartley@cdc.gov](mailto:DHartley@cdc.gov).

The Director, Office of Strategic Business Initiatives, Office of the Chief Operating Officer, Centers for Disease Control and Prevention, has been delegated the authority to sign **Federal Register** notices pertaining to announcements of meetings and other committee management activities, for both the Centers for Disease Control and Prevention and the Agency for Toxic Substances and Disease Registry.

**Kalwant Smagh,**

*Director, Office of Strategic Business Initiatives, Office of the Chief Operating Officer, Centers for Disease Control and Prevention.*

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