

Current NIOSH Research in the Healthcare and Social Assistance Industry Sector

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August 8, 2019

A baseline of injury and psychosocial stress for applied behavior analysis workers

Foreman A, Allison P, Wirth O, Friedel J, Hartley D, Ridenour M



- Board Certified Behavior Analysts (BCBAs) and Registered Behavior Technicians (RBTs)
- Plan and implement behavior-focused treatments to reduce violent, aggressive, and destructive behaviors
- Growth in ABA workers, but little information on the prevalence or incidence of injuries

Exposures contributing to asthma and interstitial lung disease in dental personnel

Blackey B, Nett R, Cox-Ganser J, Virji MA, LeBouf R, Burns D, Stefaniak A, Johnson A, Martin S, Edwards N, Boylstein R, Beaty M, Friend S

- Characterize task and full-shift exposures to particles, dust, metals, silica, VOCs and gases
- Develop task and job exposure matrices
- Create hazard communication materials
- Inform interventions to mitigate exposures



Interstitial lung disease-related morbidity and mortality among dental personnel

Fechter-Leggett E, Harvey RR, Cox-Ganser J, Nett R, Varela K, Friend S, Orandel M, Edwards N

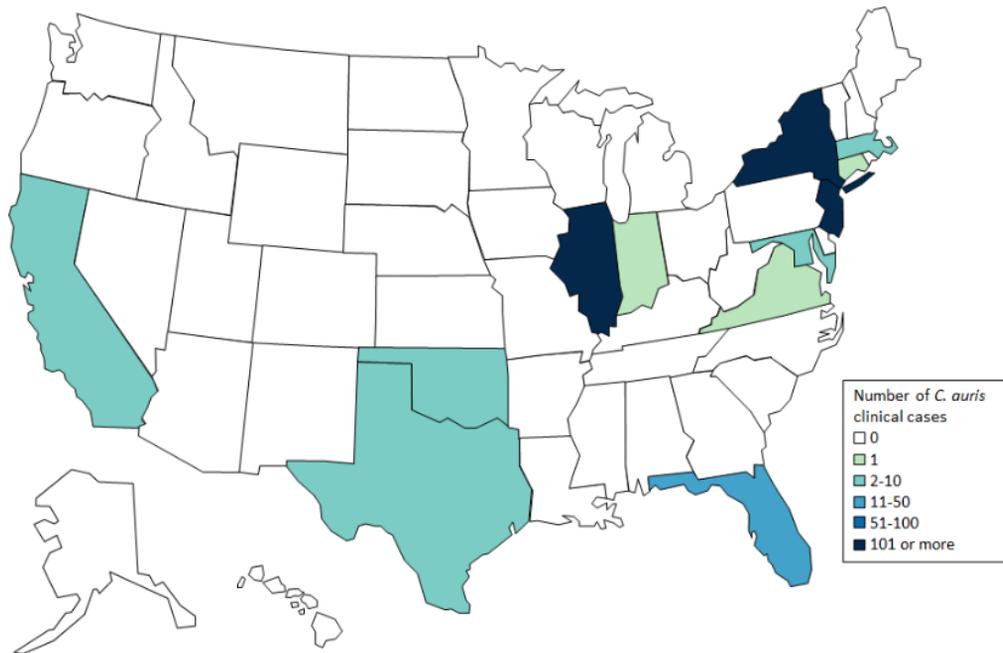


- Summarize the patterns and causes of mortality, focusing on non-malignant respiratory disease, among dentists who died during 1979–2017
- Describe pulmonary fibroses and other ILDs among dental personnel at select IPF treatment centers in the U.S.

Intervention strategies for *Candida auris*, an emerging multi-drug resistant pathogen

Green BJ, Martin SB, Lindsley WG, Lemons AR, McClelland TL

U.S. Map: Clinical cases of *Candida auris* reported by U.S. states, as of May 31, 2019

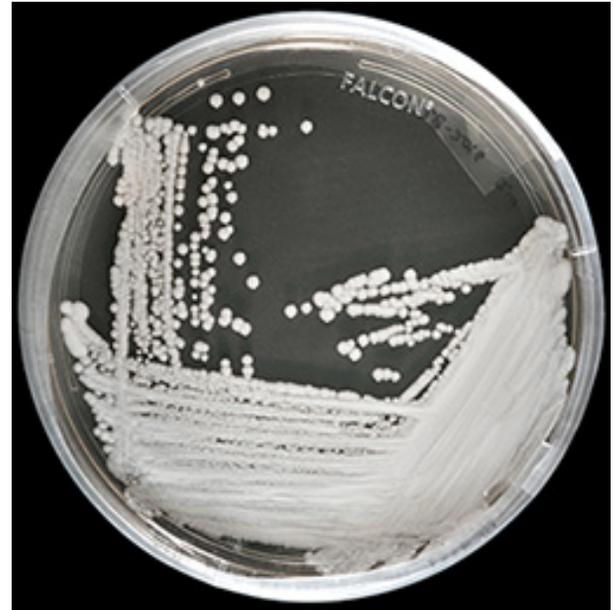


Cases are categorized by the state where the specimen was collected. Most [probable cases](#) were identified when laboratories with current cases of *C. auris* reviewed past microbiology records for *C. auris*. Isolates were not available for confirmation. Early detection of *C. auris* is essential for containing its spread in healthcare facilities.

Intervention strategies for *Candida auris*, an emerging multi-drug resistant pathogen

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- Determine the efficacy of disinfectants to inactivate *Candida auris* on porous and hard non-porous surfaces
- Evaluate UVGI as an alternative approach to inactivate *Candida auris*



Workplace Violence Prevention Programs in NJ Healthcare Facilities

Ridenour M



- Examine healthcare facility compliance with the New Jersey Violence Prevention in Health Care Facilities Act
- Evaluate the effectiveness of the regulations in this Act in reducing assault injuries to workers.

Workplace violence prevention online courses

Hartley D, Ridenour M, Miles S, Loflin M, Wertman, S



Workplace Violence Prevention for Nurses

CDC Course No. WB2908 – NIOSH Pub. No. 2013-155

Please note: The course format has been revised for easier use on all devices. The content of the course remains the same.

[Start Course](#)

This free, interactive course is designed to help healthcare workers better understand the scope and nature of violence the workplace. Upon successful completion of the course, healthcare professionals can earn continuing education units

Course modules include:

- Definition, types, and prevalence
- Workplace violence consequences
- Risk factors for type II and III violence
- Prevention strategies for organizations
- Prevention strategies for nurses
- Post event response

- Violence prevention training in settings that are usually removed from any type of security or police presence
- Emergency responders
- Stand-alone healthcare facilities
- Social services and home healthcare providers

Survey instrument development for assessing nonfatal occupational injuries among home healthcare workers

Derk S

- Develop a questionnaire that can be used to collect data on nonfatal injuries and exposures among home healthcare workers
- Validate the survey using the Questionnaire Appraisal System (QAS)
- Pilot test the final questionnaire with home health aides



PPE monitoring in healthcare to enhance domestic preparedness

Casey M, Moore S, Oke C, D'Alessandro M, Radonovich L



- Develop a technology-based intervention to identify PPE shortages
- Automated communication and interoperability among hospital PPE ordering/inventory systems
- Selected data sharing with health departments, PPE stockpile managers and CDC

Feasibility of elastomeric respirators in healthcare settings

Radonovich L, Bergman M, Casey M, Drummond S, Cichowicz J, McClain C, Sietsema M, Sinkule E, Wilson R, Verzosa N

- Feasibility of fit testing and user training for rapid conversion to elastomeric respirators during a simulated public health emergency
- Assess methods of disinfection
- Evaluation of ease of use, comfort, acceptability in healthcare settings



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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

