

Oregon Project Firstline: A Learning Needs Assessment Examining Current Infection Prevention and Control Knowledge, Readiness, and Training Preferences among Healthcare Providers



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BACKGROUND

- Oregon Project Firstline, developed in partnership between Oregon Health Authority (OHA) and the Centers for Disease Control and Prevention (CDC), is an educational program that gives foundational education on infection prevention and control (IPC) for all types of frontline healthcare providers (HCP).
- Learning needs assessment (LNA) objectives:
 - To assess the IPC learning needs of Oregon’s healthcare workforce.
 - To understand the preferred methods and formats of training across HCP roles.

METHODS

- Recruited HCPs by via electronic surveys through public health partners’ e-mail listservs and HCP-targeted newsletters.
- Recorded survey responses from 9/23/21 to 12/10/21.
- Survey assessed respondents’ IPC knowledge, online and in-person job training preferences, frequently used training devices, and trusted sources for IPC information.
- A total of 4,824 respondents completed the survey.

RESULTS

Figure 1: Self-Assessment of Understanding IPC Topics

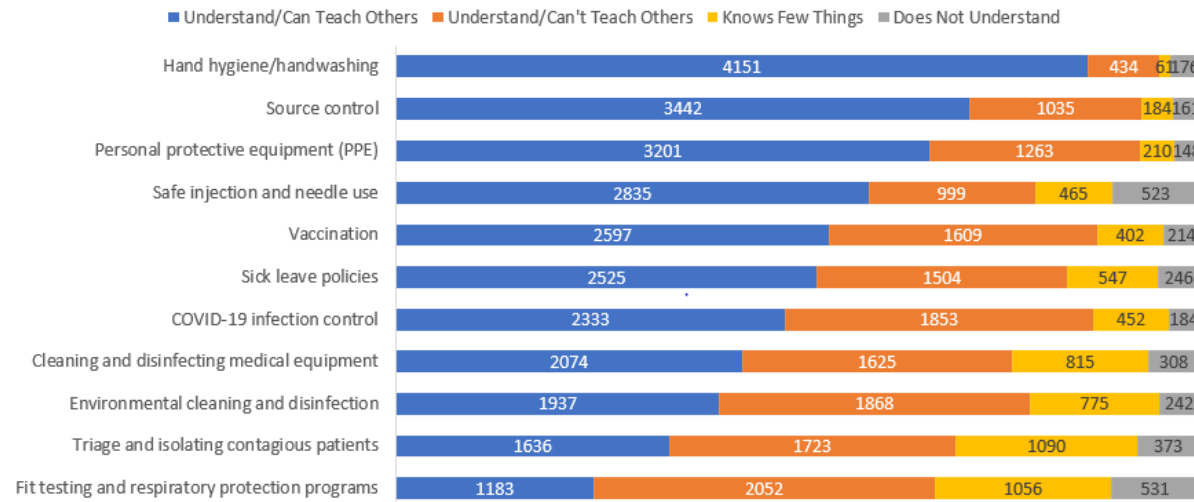


Figure 2: Top 5 Most Requested IPC Topics

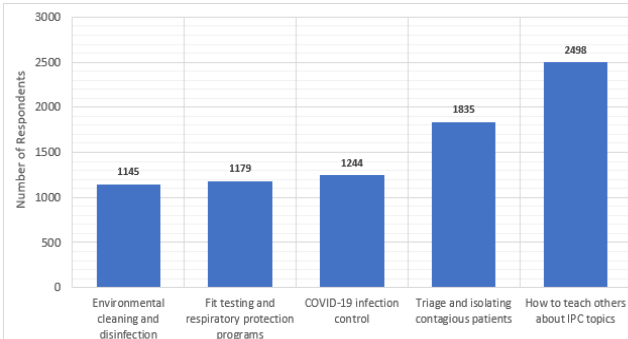
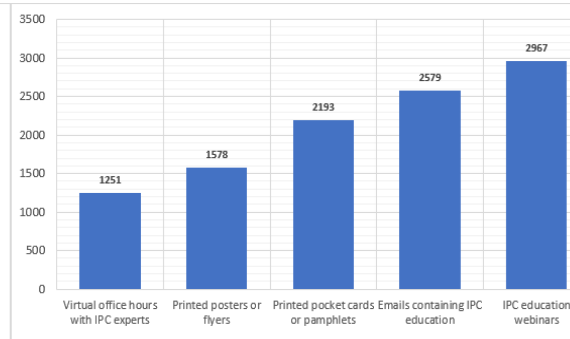


Figure 3: Top 5 Most Useful IPC Information Formats



- Registered nurses (RNs) were the largest group of LNA respondents (n=2,240). The top 3 most requested IPC topics amongst RNs followed the patterns seen in Figure 2.
- Acute care hospitals (n=1,524), long-term care facilities (n=458), and other patient facilities (n=918) were the most common primary workplaces amongst respondents.

- Self-paced learning (n=2,829) was the most preferred learning setting.
- When asked questions about online vs in-person training, respondents were amenable to both training formats (n=2,988).
- Desktop or laptop computers were the most frequently used devices for training at-work (n=2,764) and at-home (n=2,683).
- The CDC and OHA were the most trusted sources for IPC information.

CONCLUSIONS

- Fit testing and triage for contagious patients are among the least understood and most requested IPC training topics amongst all respondent groups.
- Future Oregon Project Firstline projects:
- Targeting underrepresented HCP groups based on LNA data analyses.
 - Outreaching to local and statewide public health partnerships to spread IPC resources.

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