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# **Impact of the RxVaccinate program for pharmacy- based pneumococcal immunization: A cluster-randomized controlled trial.**

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# Project Design

**Objectives:** To evaluate the impact of the RxVaccinate program on the structure, process, and outcome measures and to assess team leaders' perceptions of the program.

**Design:** Cluster-randomized experimental design.

**Setting:** Community pharmacies.

**Participants:** Community pharmacists.

# Intervention

- (a) two self-directed training webinars and practice development and implementation tools
- (b) expert and peer coaching sessions through an in-person 4-hour workshop and optional e-community and monthly teleconferences.
- (c) One group received only the self-directed training (self-directed learning group), and the other group received both self-directed training and coaching sessions (coaching group).

# Outcome Measures

- a) completion of structure and process indicators at 3, 6, and 9 months after the in-person workshop
- b) number of pneumococcal vaccinations administered in pharmacy during the 12-month period preceding and following the in-person coaching workshop, and
- c) team leaders' perceptions of the RxVaccinate program.

# Results

- a) Greater proportions of pharmacies in the coaching group completed structure and process indicators than pharmacies in the self-directed learning group.
- b) Both groups showed an increase in the number of pneumococcal vaccinations administered ( $P < 0.001$ ).
- c) The increase in pneumococcal vaccinations was significantly greater among pharmacies in the coaching group than among pharmacies in the self-directed training ( $P = 0.032$ ).
- d) Team leaders in both groups were generally satisfied with the RxVaccinate program.