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.