

Coupling EHR Query With Case-based Follow-up CE for Enhanced Assessment of Performance Change

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1 Introduction

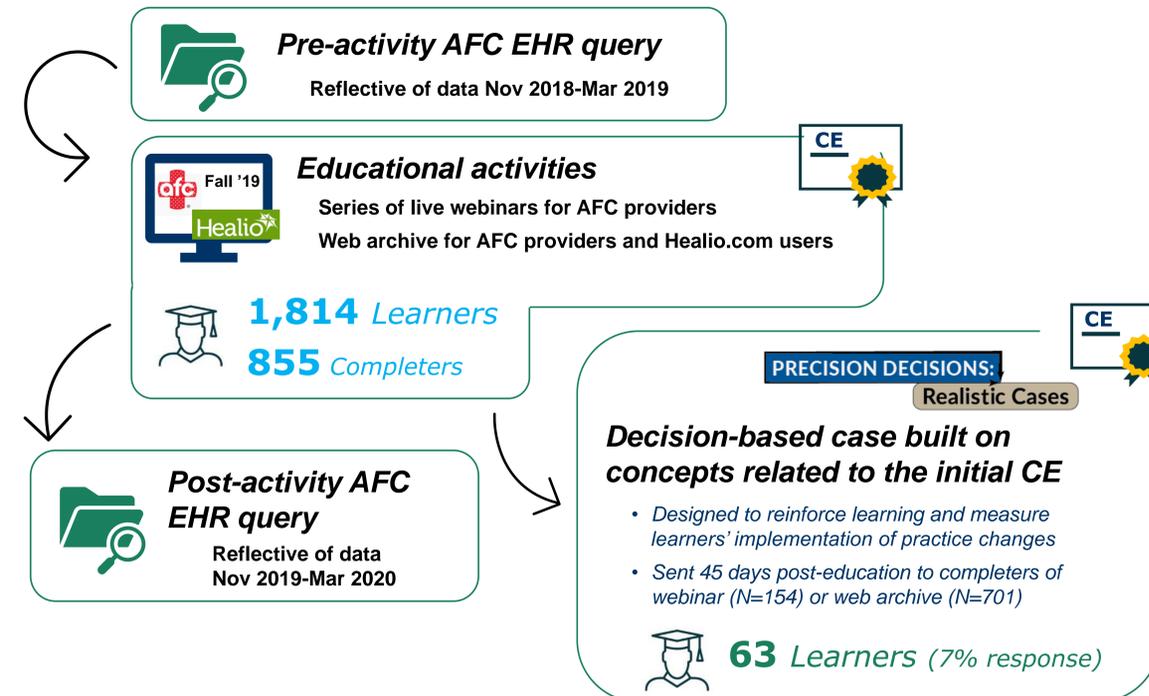
Assessment of performance change resulting from CE is traditionally too



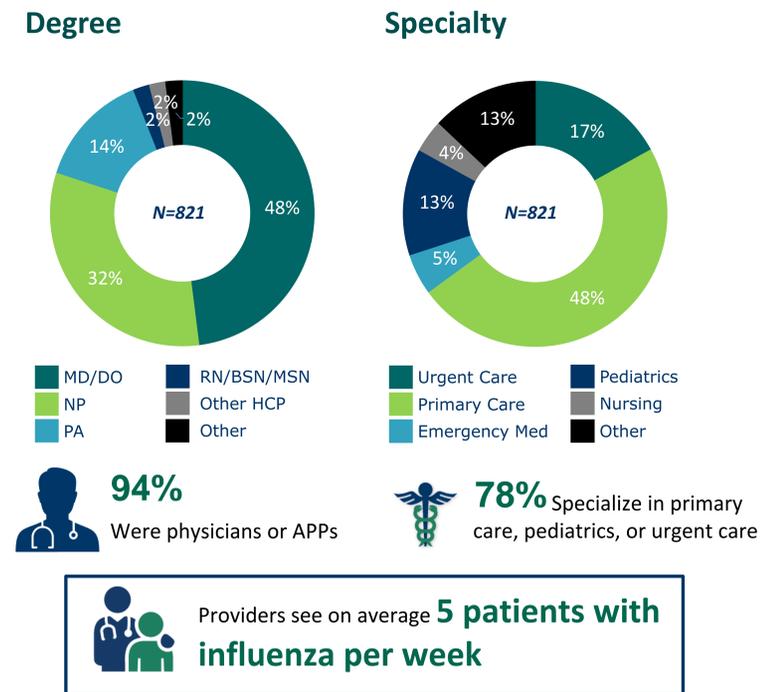
To circumvent this, Vindico collaborated with American Family Care (AFC) to create a simple **EHR query** before and after closed-network education. This was coupled with **case-based, follow-up CE** designed to garner a deeper, objective measure of performance change.

About AFC
At the start of the educational activities (Fall 2019), AFC had over 200 facilities across 26 states, treating nearly 300 million patients per year. The number of practices continues to expand

2 Study Design & Metrics



3 Overall Demographics

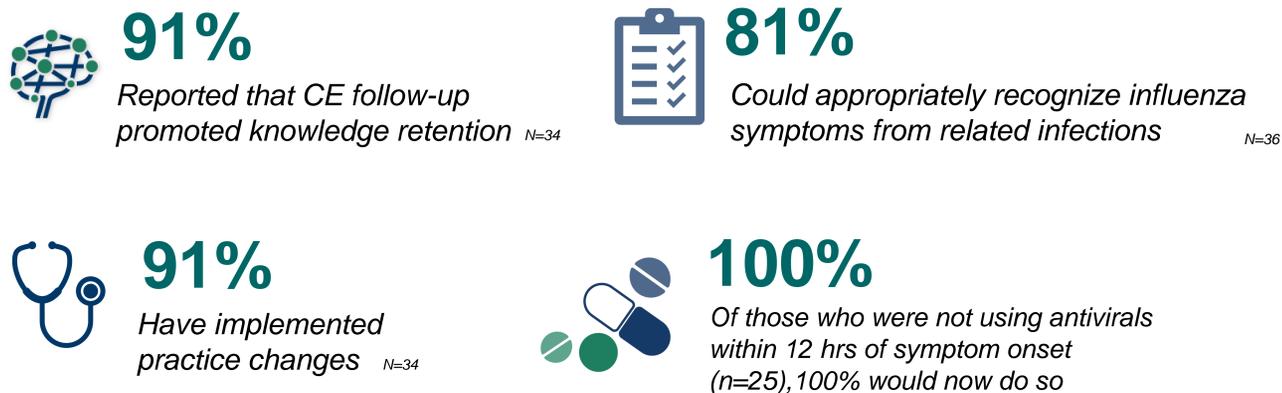


4 Impact of Education as Evidenced by EHR Query and Case-based Follow-up CE

Case-based follow-up CE findings
Case details: A 47 y/o woman during influenza season

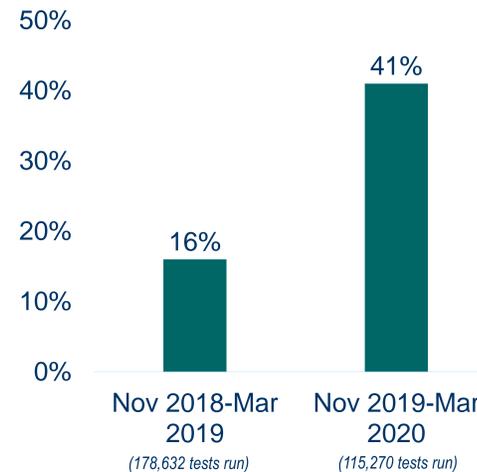
Symptoms for 12 hrs	Comorbidities	Exam findings	Other findings
<ul style="list-style-type: none"> Sudden-onset fever, chills General body aches Fatigue Cough with burning sensation 	<ul style="list-style-type: none"> Mild episodic asthma T2DM Morbid obesity No GI symptoms 	<ul style="list-style-type: none"> 102.3 °F Pulse 120 bpm SpO2 = 99% BP 110/80 mm Hg 	<ul style="list-style-type: none"> Finger stick glucose 165 mg/dL HEENT exam unremarkable minimal bilateral wheezing

Impact on knowledge retention and practice



AFC EHR Query Findings

Confirmed influenza cases within AFC centers in 2018-2019 vs 2019-2020 flu seasons



While more tests were run in the prior influenza season, a higher rate of confirmed cases was observed in the more recent season, **suggesting better recognition of influenza symptoms and use of health care resources.**

5 Conclusions & Opportunities

EHR Query in a Closed Network

- Allows for objective measure of educational impact, without exorbitant increase in cost
- Is limited to few predetermined data and should be supplemented with additional measures of impact

Case-based Follow-up Education

- Reinforces learning
- Encourages follow-up participation
- Assesses subjectively and objectively the implementation of practice improvements

Opportunities

- EHR query, coupled with case-based follow-up, provides a deeper understanding of CE impact
- This model can be adapted across specialties should a closed-network partner be identified