

INFLUENZA VACCINE RATES IN PATIENTS WITH DIABETES IN THE PRIMARY CARE SETTING

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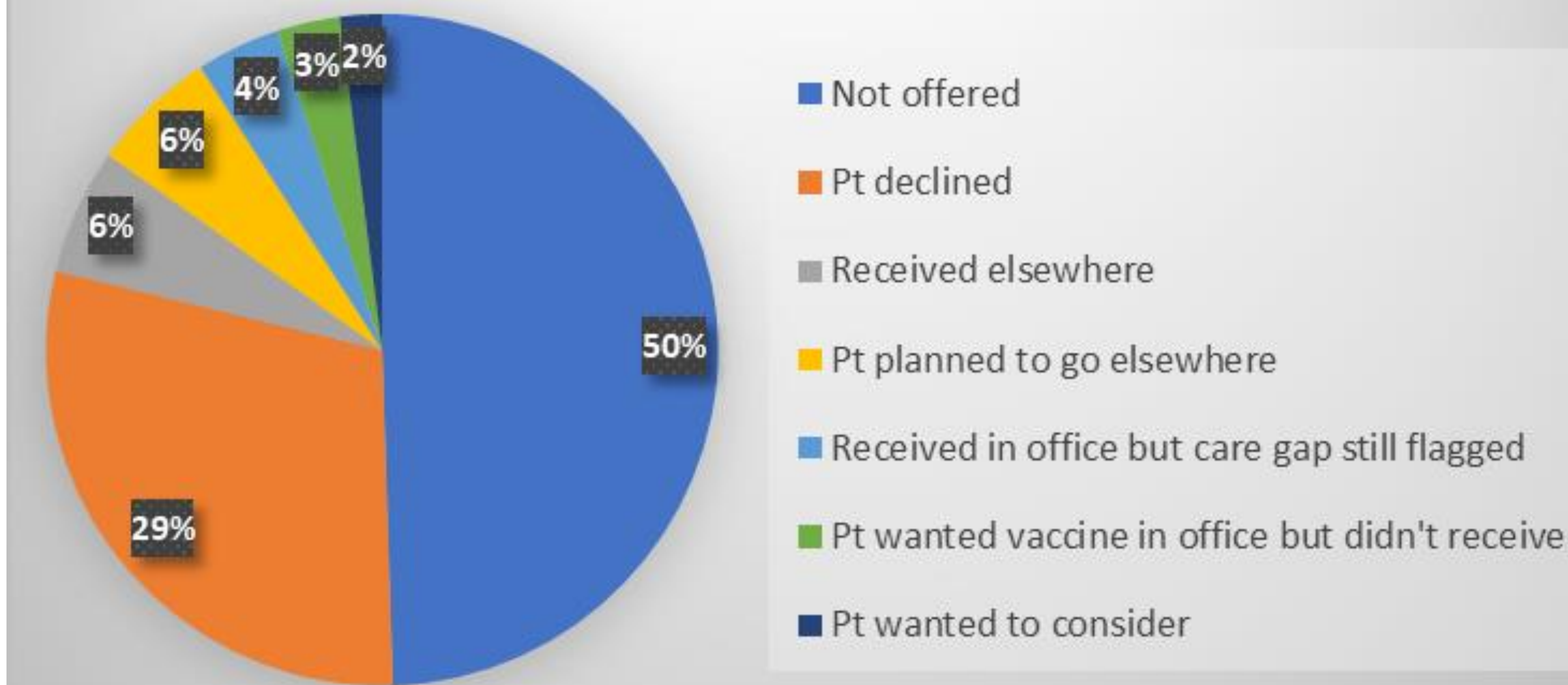
Background and Project Aims

- Patients with diabetes are at an increased risk of complications from influenza infection including death, glycemic events, pneumonia, and cardiac ischemia during the peri-influenza period
- Diabetes is likely a modulator and enhancer of the inflammatory response contributing to these outcomes
- This study looks to analyze and improve influenza vaccine rates in diabetic patients seen in the family medicine office during influenza season using the osteopathic metabolic model.

Methodology

- Utilizing the diabetes patient registry within the EMR, a cohort of patients with diabetes and no documented seasonal influenza vaccine was generated, resulting in 122 patient charts to review.
- Each chart was reviewed for documentation that the vaccine was offered or administered elsewhere. This data was then analyzed for trends to determine areas where improvement may be made.

Figure 1: Factors Contributing to Influenza Shot Care Gaps



Data and Results

From a total of 122 charts:

- 49% (60/122) of patients lacked documentation that an influenza vaccine was offered
- 29% (35/122) declined the influenza vaccine
- 6% (8/122) had an influenza vaccine elsewhere and records were able to be reconciled
- 6% (8/122) planned to be vaccinated at their pharmacy but documentation was unable to be reconciled
- 4% (5/122) had vaccine administered and documented (but were flagged by population management as not being done)
- 3% (4/122) were documented to want vaccination but did not receive it
- 2% (2/122) wanted to continue considering

Applications/Anticipated Outcomes

Interventions that may improve influenza vaccine compliance:

- Development of a consistent structure of offering and administering flu vaccines during in-office visits
- Improving patient education regarding influenza complications
- Training rooming staff and providers how to enter outside vaccines to the medical record
- Sending influenza vaccine reminders during flu season to patients either through SMS or mail

References

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