

## Introduction

- Population health management relies on the ability to provide patient support between clinical visits and to enhance clinical decision support for more comprehensive care delivery during a clinical visit.
- The new diabetes registry at ECU Family Medicine Center (FMC) includes 3146 patients, 1003 of these are assigned as Accountable Care Organization (ACO) patients.
- NCQA measure defines poor control of diabetes as >15% of patients with hemoglobin A1c (A1c) as >9% during the measurement year. At FMC 22% for all patients and 15% for ACO patients have A1c >9% as per the diabetes registry.
- 81 ACO patients with diabetes did not have A1c done during the measurement year (2016).

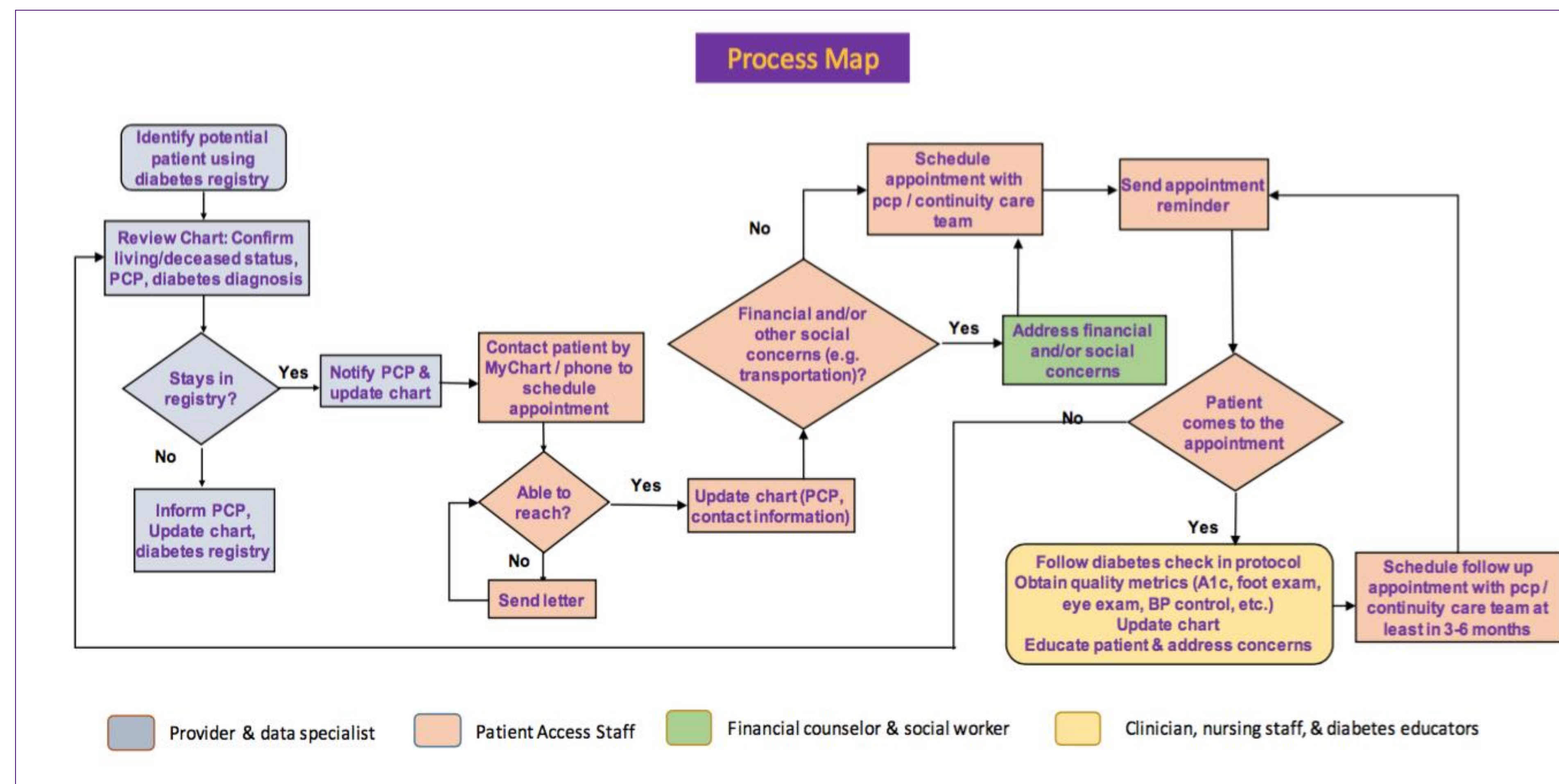
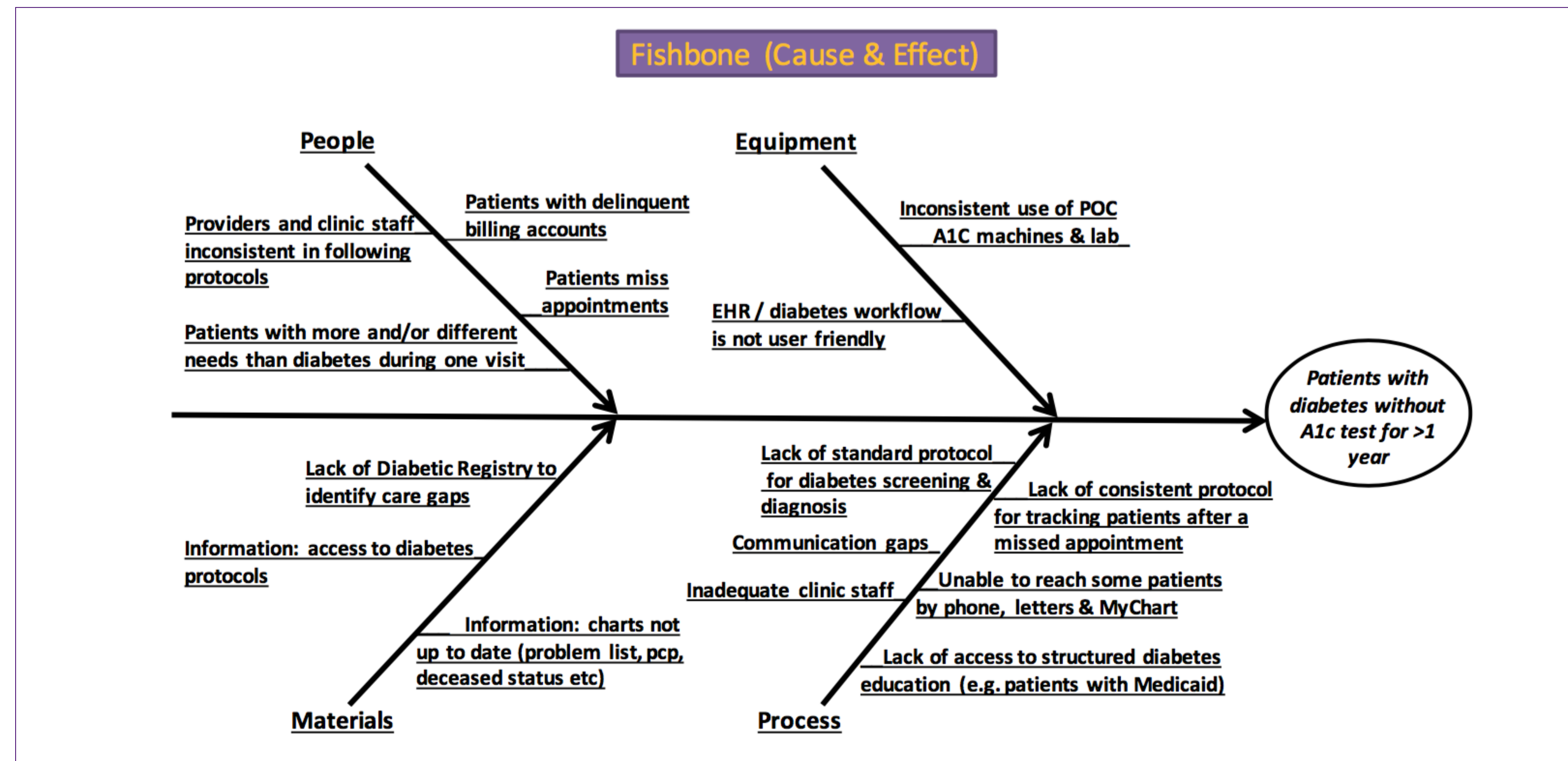
## Aim Statement

Improve the number of ACO-patients with diabetes at ECU FMC who have not had A1c done in the measurement year 2016 by 85% by May 31<sup>st</sup>, 2017 using a diabetes registry.

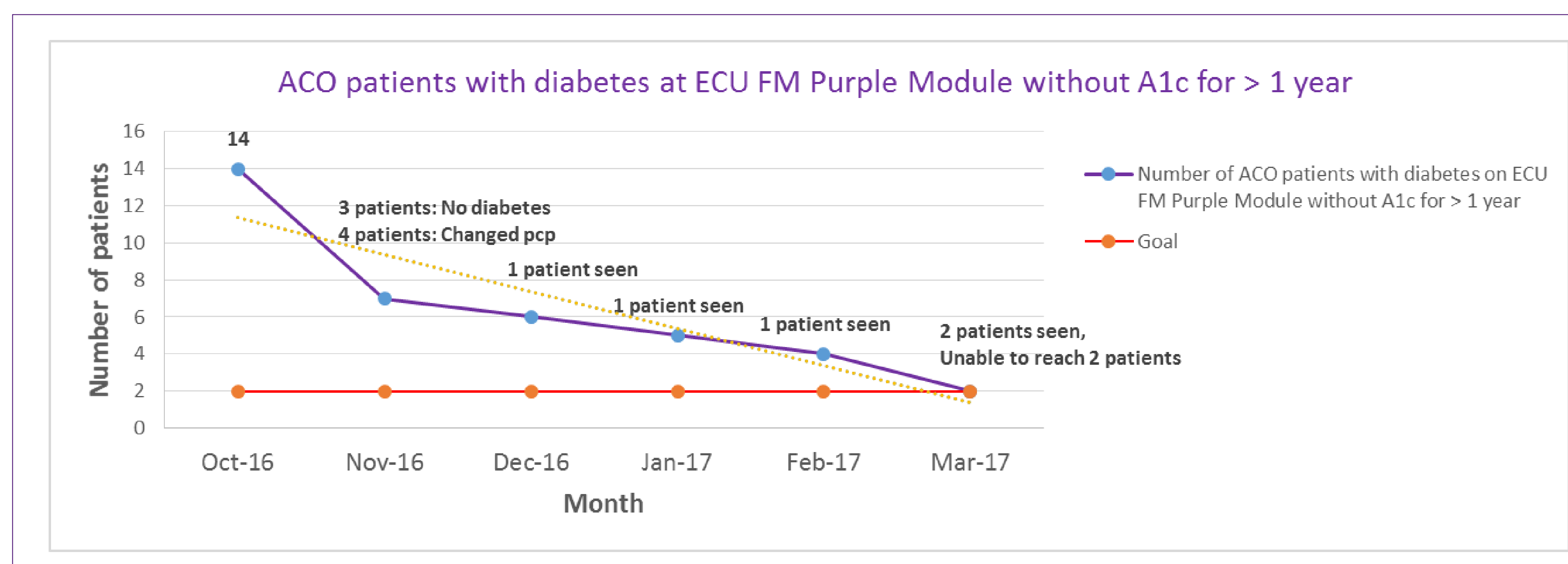
## References

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## Methods



## Results of the first PDSA cycle



## Discussion

- By the end of the first PDSA cycle we achieved our goal by improving the number of ACO patients with diabetes without an A1c within last year by 12 (85%).
- Currently we are in our second PDSA cycle in which we are targeting remaining 67 ACO patients at the entire FMC who did not have A1c done in last year.
- This diabetes registry is created by IT services by running a report in EHR using 5 different criteria which is then exported in Excel. We plan to use this registry to identify diabetes care gaps, track quality measures and target high risk populations (e.g. A1c > 9%) to achieve better control.
- A few patients have diabetes but it is not reflected in the problem list which resulted in lack of diabetes follow up (e.g. point of care A1c, foot exam, eye exam etc.).
- Patients without diabetes are entered in the diabetes registry. We plan to update the diabetes registry accordingly and create protocol for screening for diabetes and prediabetes to avoid future errors.
- Updating information in EHR periodically is critical (e.g. to assign patients to correct practice / pcp.)
- Lessons learned: Teamwork is critical to achieve improvement. Leveraging optimal use of EHR in a systematic approach can have transformative impact on quality of care.

## Conclusion

- For a successful practice it is important to know who their patients with diabetes are, and regularly mine the data to ensure they receive the care they need.
- Diabetes registry provides the ability to identify and track patients in this era of value-based care.

## Acknowledgements

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