

## Mini-Oral Abstract Presentations 2

# #32 Using A Quality Improvement Collaborative Approach to Improve Tuberculosis Prevention Therapy Coverage in The Kavango Region, Namibia

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# Using a Quality Improvement Collaborative Approach to Improve TB Prevention Therapy Coverage in the Kavango Region, Namibia

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# Introduction

People living with HIV (PLHIV) have a higher risk of up to 20 times of developing active tuberculosis (TB), the top cause of mortality in PLHIV globally. A course of TB preventative therapy (TPT) can reduce the risk of PLHIV developing TB by almost 60%

## **Objective:**

To improve TPT coverage in PLHIV in Kavango region, Namibia from 29% in July 2018 to 90% by February 2020.

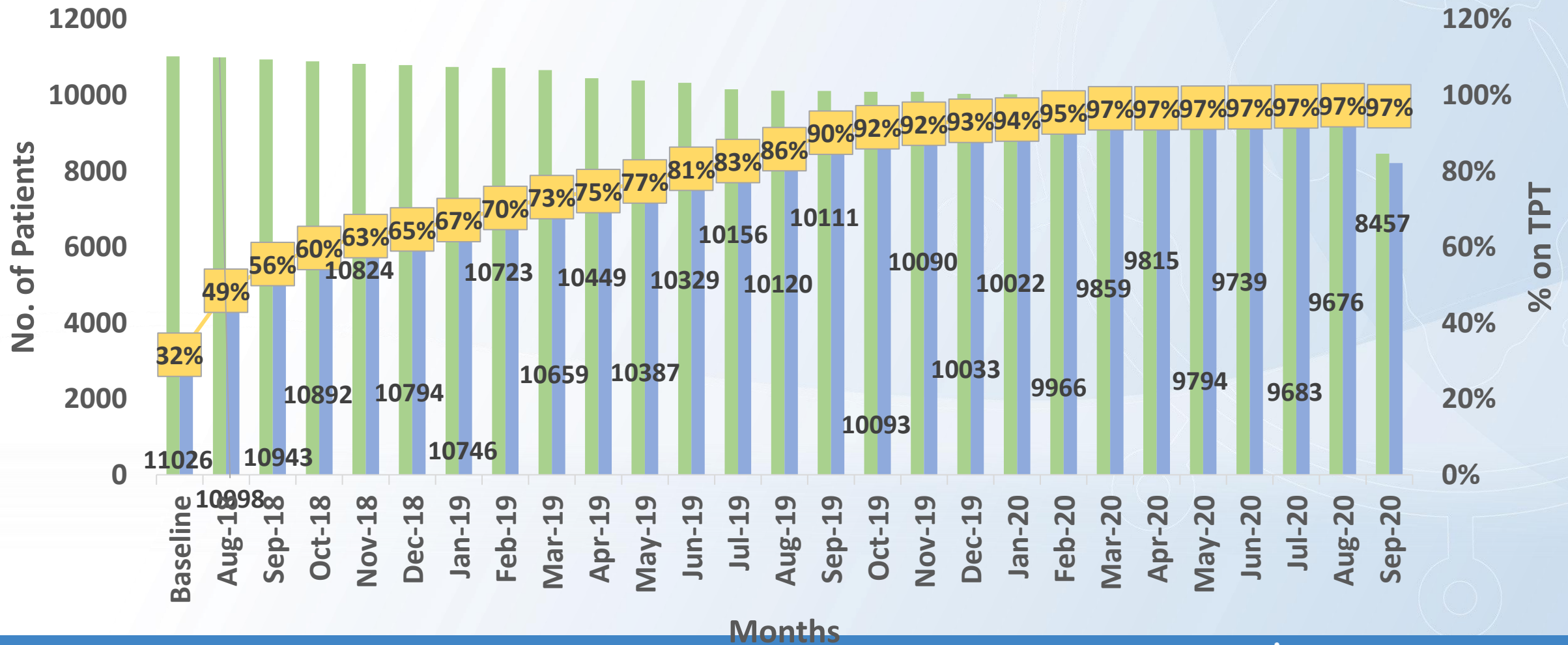
# Methods

- Eight high volume healthcare facilities providing care to 12,500 PLHIV participated in a national quality improvement Collaborative (QIC) to improve TPT coverage
- Each facility set up a QI team and tested change ideas using the model for improvement.
- The teams participated in 3 peer learning sessions over a two year period
- HIV clinical mentors and national QI team provided QI coaching and coordination
- Patients were divided into two cohorts:
  - Backlog cohort included patients that initiated ART before 31 July 2018
  - New cohort those that started ART from 1<sup>st</sup> August 2018
- Facilities compiled and submitted monthly performance reports in an Excel template. Data was analyzed and aggregated at national level

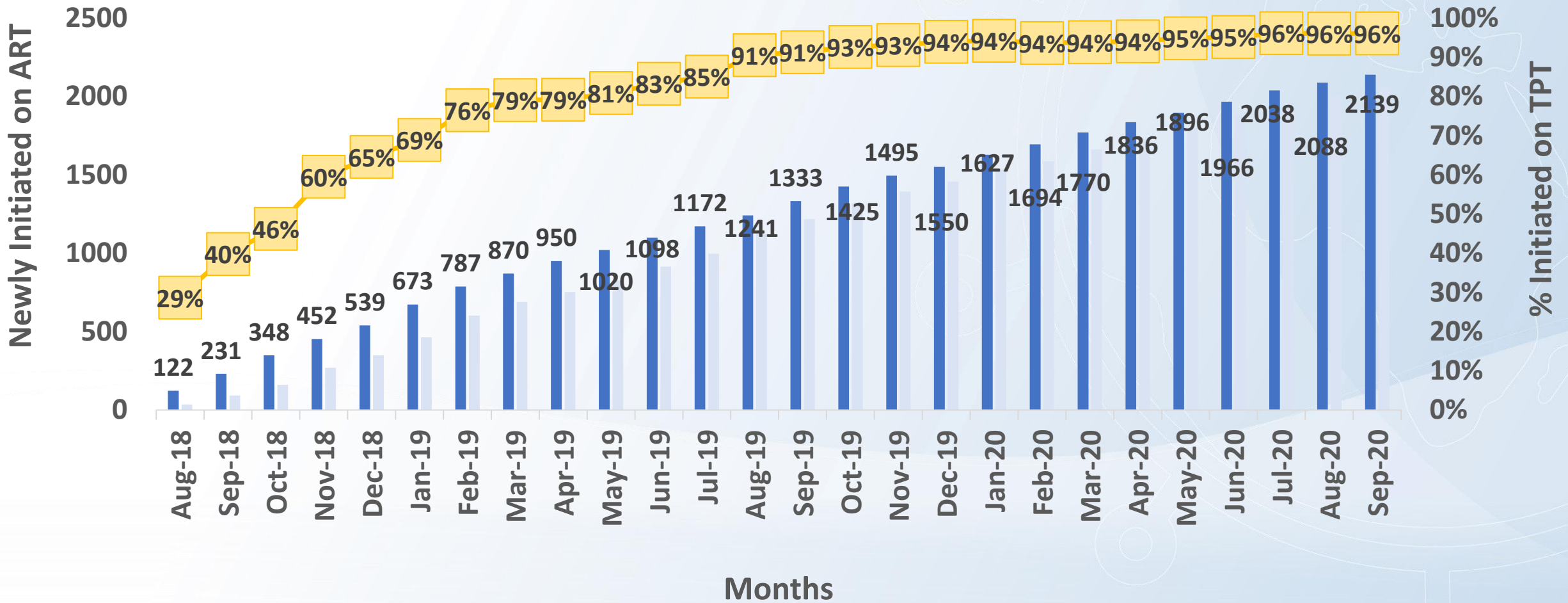
# Results

- TPT coverage in backlog cohort increased from a baseline of 32% (n=11,026) in July 2018 to 97% (n=8,457) by September 2020
- TPT coverage in new cohort increased from 29% (n=122) in August 2018 to 96% (n=2,139) by September 2020

# Kavango Monthly TPT Coverage - Backlog Cohort



# Kavango Monthly TPT Coverage - New Cohort



■ # Enrolled on ART    
 ■ # Initiated on TPT    
 ■ % TPT Coverage

# Conclusion

- A QI collaborative model applied with a dedicated team of healthcare workers, and QI coaches led to significant improvement in TPT coverage. The facility teamwork and QI learning sessions were critical to the success of the initiative.



# Acknowledgement

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