



Group 4

Quality Improvement

Problem Statement

Patients seen at IOCP clinic (0-5) years who have WSL are routinely actively monitored. Most patients do not receive at-home preventive treatment for the WSL.

WSL can be remineralized , however if left untreated, these lesions can progress to become cavitated lesions needing restorations.



The Aim

Early intervention for white spot lesions to arrest progression & reduce incidence of decay in children.

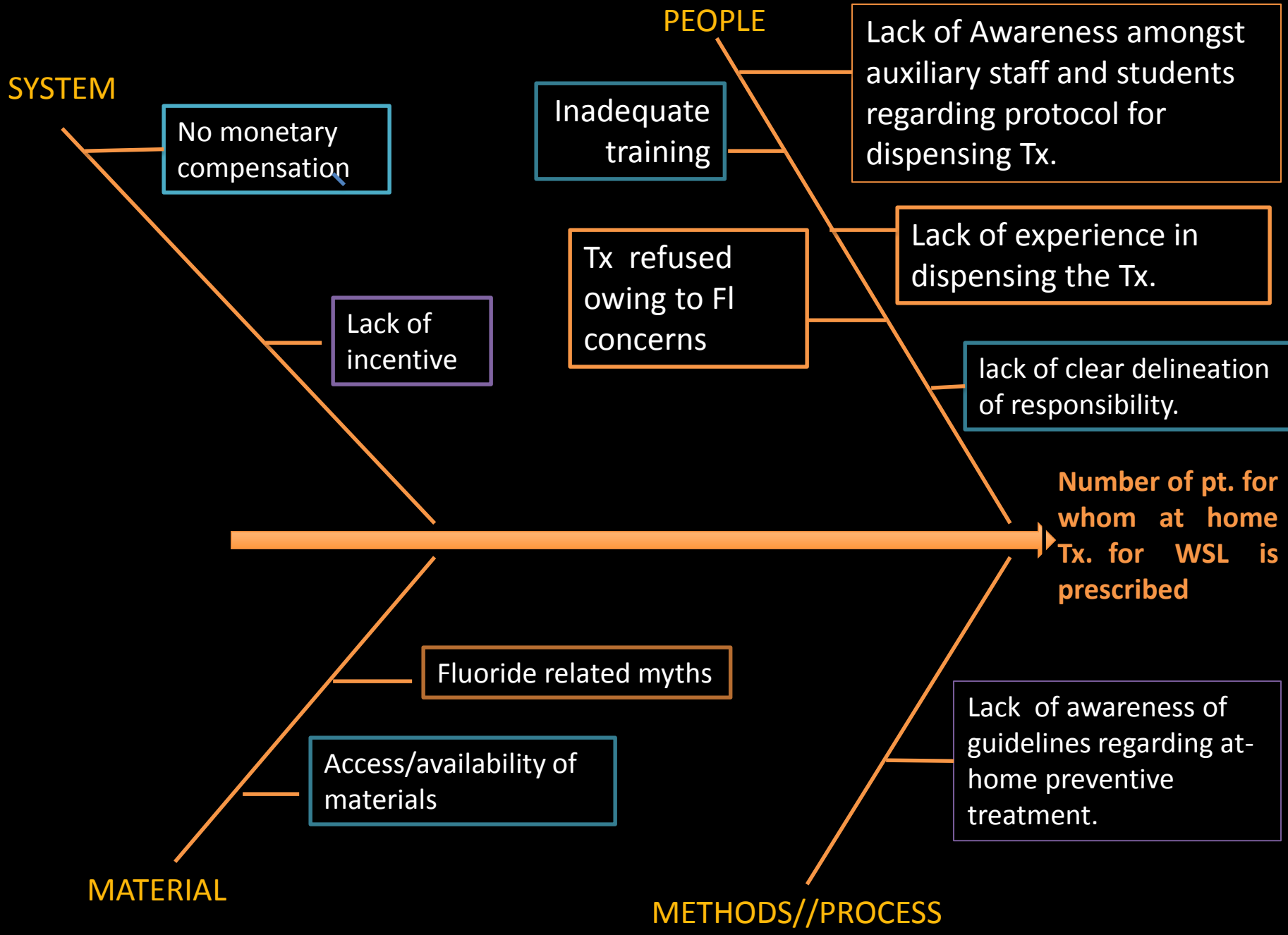
The Goal

Increase the percentage of patients with white spot lesion who receive at-home preventive treatment to 60% in two months.



Root Cause Analysis





No monetary compensation

Inadequate training

Lack of Awareness amongst auxiliary staff and students regarding protocol for dispensing Tx.

Lack of incentive

Tx refused owing to FI concerns

Lack of experience in dispensing the Tx.

lack of clear delineation of responsibility.



Number of pt. for whom at home Tx. for WSL is prescribed

Fluoride related myths

Access/availability of materials

Lack of awareness of guidelines regarding at-home preventive treatment.

MATERIAL

METHODS//PROCESS

Key Driver Diagram

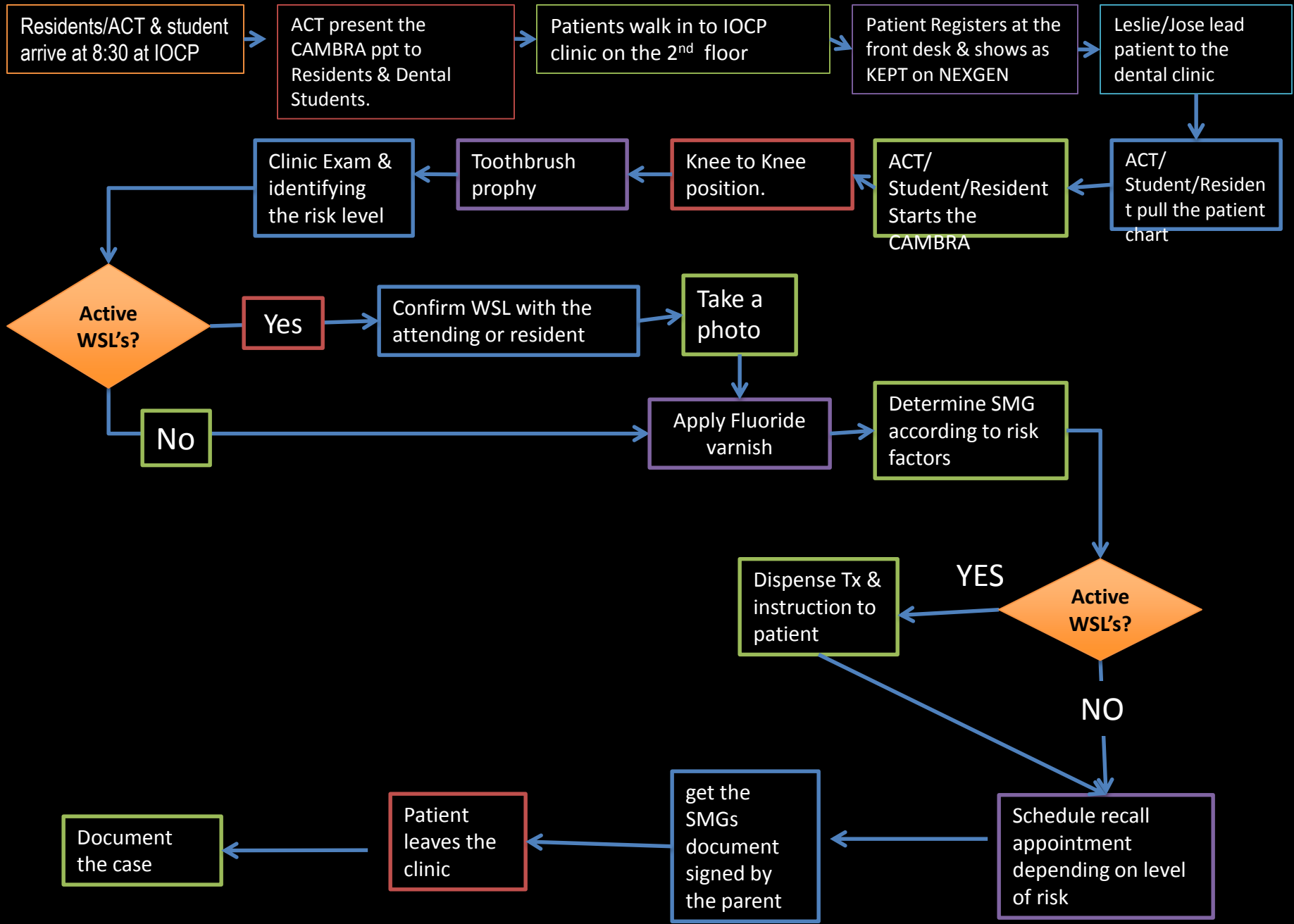


Increase the No. of pts. receiving at home prescription by 60%



Process Map





PDSA Cycle



• Act

Documentation of WSLs was not discussed and our next PDSA cycle will include the documentation process in the PPT presentation.

• Plan

Make a presentation that orients new students /residents and staff to the IOCP protocol for treating WSLs and integrate it with CAMBRA presentation .

• Study

Survey Results :
1)Presentation usefulness in understanding Tx protocol and Tx dispensation. **92%**
2)Presentation usefulness in discussing fluoride Tx with parents. **76%**
3)Ease of access to materials in the clinic . **81%**.

• Do

Students/staff felt comfortable and demonstrated confidence in treating WSLs. Materials could be easily accessed. Surveys were conducted to get feedback/recommendations for improvement.

QUALITY IMPROVEMENT SURVEY

1) How helpful was the presentation in helping you understand the goals of prescribing/dispensing the At-Home Fluoride / MI Plus paste for treatment of White Spot Lesions in high-caries risk patients?

1 2 3 4 5 6 7 8 9 10 (1 least helpful- 10 most helpful)

2) The presentation is clear and easy to understand.

1 2 3 4 5 6 7 8 9 10 (1 is Hardest - 10 is easiest)

3) Did the presentation adequately address all your concerns related to the use of Fluoridated toothpaste?

Yes / No

If Yes, please specify: _____

4) How comfortable did you feel about talking to the parent about the use of Fluoride and dispelling Fluoride related myths before the presentation?

1 2 3 4 5 6 7 8 9 10 (1 is least confident - 10 is most confident)

5) How confident did you feel about prescribing Fluoride treatment after the presentation?

1 2 3 4 5 6 7 8 9 10 (1 least confident - 10 most confident)

6) How confident did you feel about prescribing/dispensing Fluoride treatment after the presentation?

1 2 3 4 5 6 7 8 9 10 (1 is least confident - 10 is most confident)

7) How easy was it to locate the At-Home Fluoride / MI Plus pastes and other dispensing material in the clinic?

1 2 3 4 5 6 7 8 9 10 (1 is hardest - 10 is easiest)

8) Do you have any questions/ concerns or recommendations?

Yes / No

If yes, please specify: _____

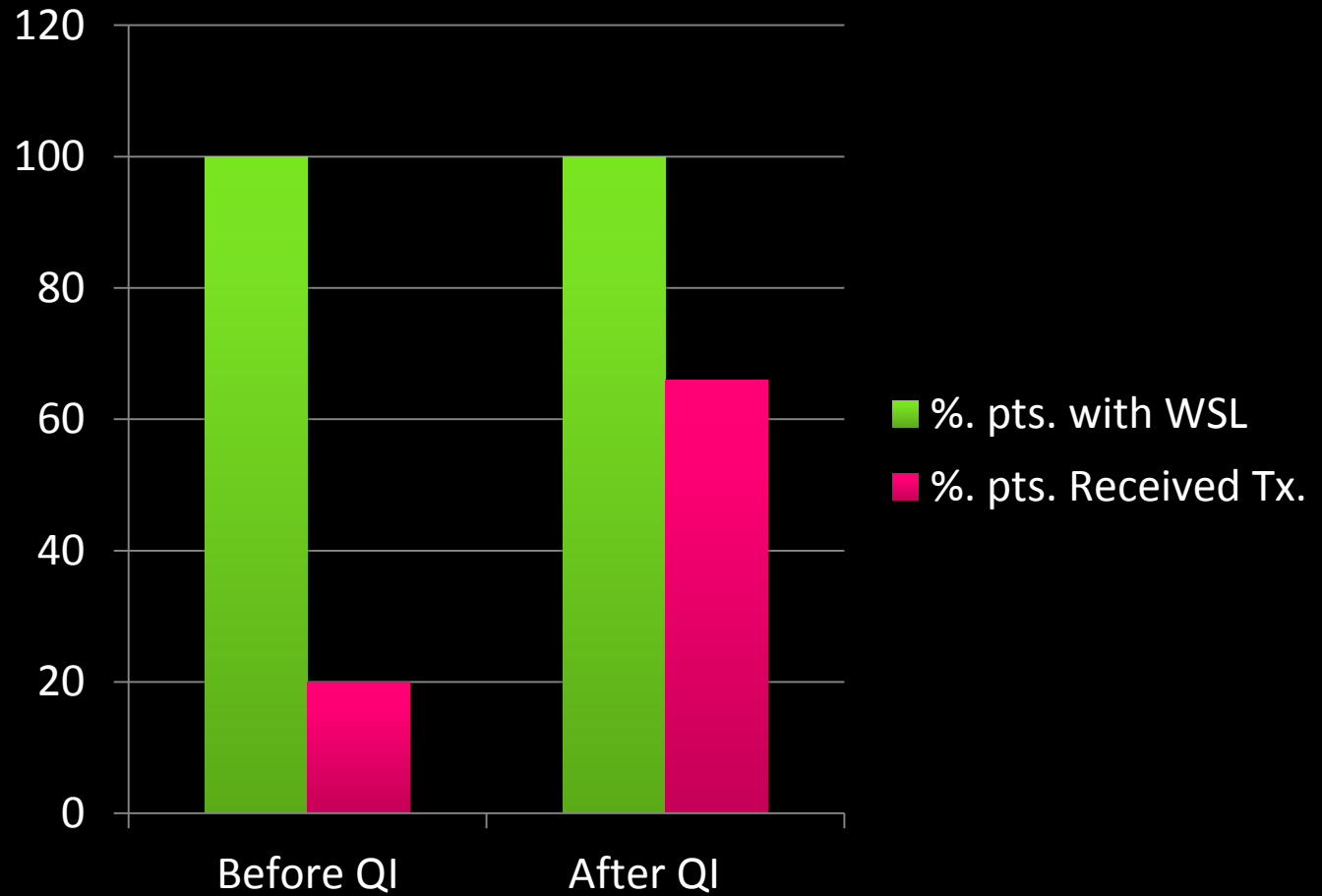


Metrics



Goal	Baseline	Target	Current
Material Availability A) High fluoride tooth paste B) Dispensing bottles. C) Labels & instructions	20 %	100%	100%
Familiarity with the protocol for dispensing at-home fluoride treatment	20%	100%	92% (survey)
Patients with WSL who receive at-home preventive treatment	20%	60%	66%

Final Results



“Aha” Moments

- We reviewed the process map and observed that there was a lack of standardized protocol for treatment dispensation and that the staff keeps rotating through the clinic. This clued us in as to where the PDSA cycle needs to be focused.



“Oh No” Moments

- Standardization of documentation .
- Stocking and access issues
- Missed patients (33%)
- Missed Photograph (11%)

Sustaining results & next steps

- Continue PPT presentations to orient new students/staff with Tx protocol for WSLs.
- Maintain a file to record material (toothpaste/labels/dispensing bottle)stocks.
- Delegate the responsibility of dispensing Tx for WSLs to 1 member of each team in the morning.



Questions

©.Original Artist
Reproduction rights obtainable from
www.CartoonStock.com

