INCREASING THE COVERAGE RATE OF ORAL SCREENING AMONG ANTENATAL PATIENTS IN JOHOR BAHRU DISTRICT

PP-06

Nik Nurul NK¹, Muhammad Rasydan R¹, Nur Fatin MP¹, Aimi Liyana A¹

¹Pejabat Pergigian Daerah Johor Bahru, Johor Bahru, Johor

2.5 Indicator and Standard



1. SELECTION OF OPPORTUNITIES FOR IMPROVEMENT

1.1 Introduction

Antenatal patients are vulnerable towards oral health diseases such as gingivitis and periodontitis. Delay in obtaining dental treatment among antenatal mothers lead to premature delivery and low birth weight baby thus making increasing the coverage rate of oral screening among antenatal patients essential.

1.2 Problem Identification and Prioritization

Problem	S	M	Α	R	Т	Score
Low percentage of complete case among new aborigine patients	12	10	6	6	6	40
High prevalence of edentulous adult patients (35-44)	12	8	10	10	8	48
Low prevalence of periodontal disease free (BPE =0)	12	11	8	6	10	47
Low percentage of ≥ 60 years old patient whose denture is issued within 8 weeks	12	10	10	8	10	50
Low coverage rate of oral screening among antenatal patients	12	10	11	10	12	55)
Score 1 2 3			1			

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(2	Decrease of coverage rate in 2022 from 50 22% to 40 62%	

- Decrease of coverage rate in 2022 from 50.22% to 40.62%
- Data are quantifiable and process is clearly defined

4 Group Members

- Oral healthcare programs for Antenatal Patients have been established as early as 1990 and strengthened in 2004
- The solution is possible within the capacity of dental officers with less requirement of others' involvement
- Short duration of project and changes can be seen immediately after strategies implemented

1.3 Problem Statement

A verification study done in 2022, revealed a decreasing trend of dental screening amongst antenatal patients from 50.22% to 46.72% resulting in less than half of antenatal patients in Johor Bahru district benefitted from the oral healthcare program. Low oral screening done by oral healthcare workers, low referral by medical healthcare workers, insufficient and ineffective facilities and low antenatal patients coming for oral screening contribute to low coverage rate of oral screening among antenatal patients in Johor Bahru.

2. KEY MEASURES FOR IMPROVEMENT

2.1 General Objective

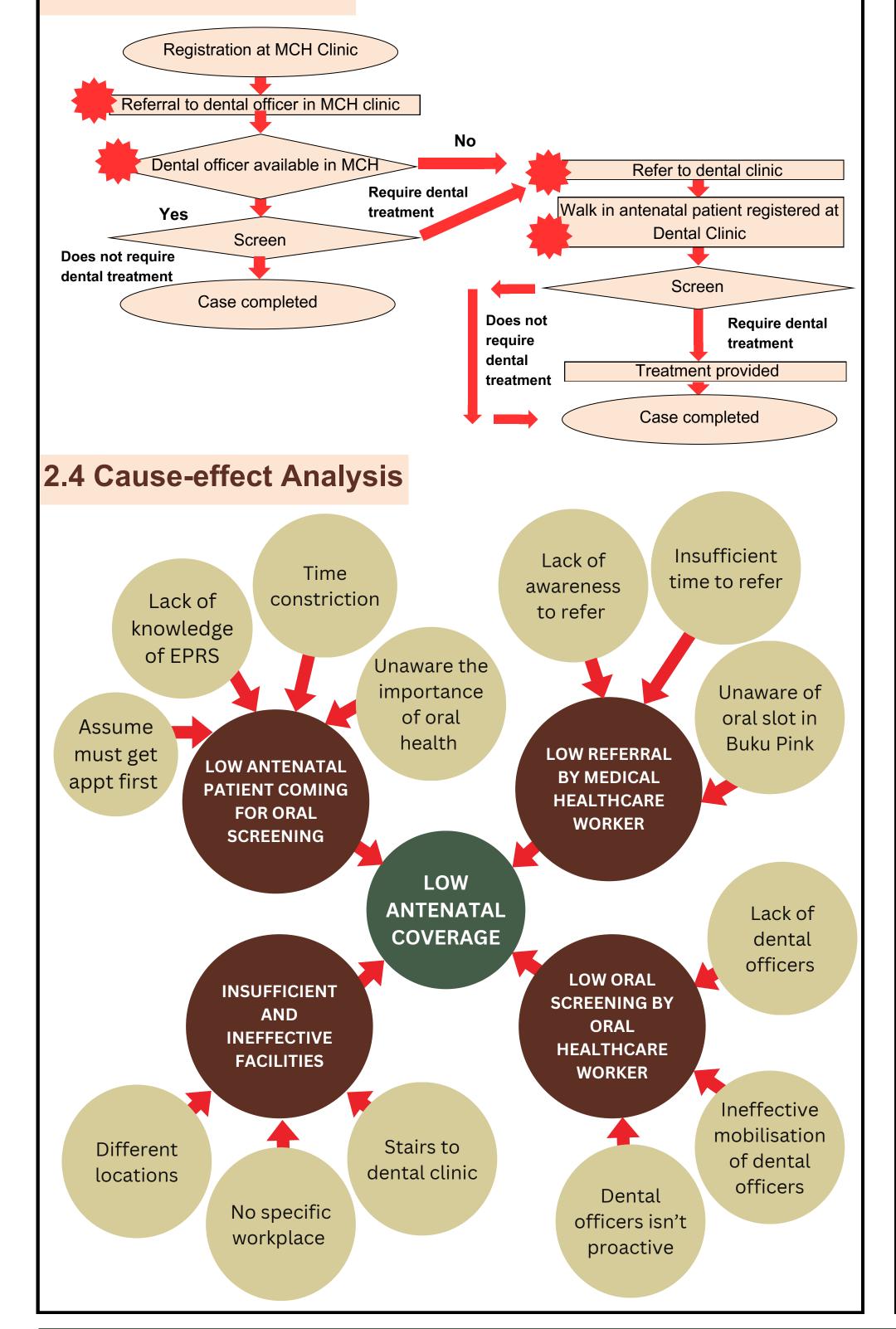
To increase the coverage of oral screening among antenatal mothers in Johor Bahru district.

2.2 Specific Objective

The specific objective for this study:

- · To determine the coverage rate of oral screening among antenatal mothers in Johor Bahru district
- To identify contributing factors towards decrease antenatal coverage
- To take remedial actions towards those contributing factors
- To evaluate the remedial actions

2.3 Process of Care



INDICATOR Number of new antenatal patient Percentage of new antenatal undergone oral screening in patient undergone oral Johor Bahru district x 100 % screening in Johor Bahru Total number of new district antenatal patient in Johor Bahru district STANDARD: 73% (Plan of Action target for Johor Bahru in 2023) (In consensus with Dental Public Health Specialist as District Dental Officer) 3. PROCESS OF GATHERING INFORMATION Study Design Quality improvement study Johor Bahru district Study Location Antenatal patients with: Populations **Exclusion criteria Inclusion Criteria:** Antenatal patients who Transferred antenatal registered under either patients out from Johor MCH clinics or Klinik Desa Bahru district and no records of oral screening Pre and post test Study Tools Reten of attendance of • Based on PG207 antenatal patients Questionnaire Study Period JAN-JULY-DEC **JULY 2022 EVALUATION** VERIFICATION CYCLE 2 CYCLE 1 Verification of remedial measure) evaluated Evaluation (Nov 2022) identification of contributing factors Data Analysis Data are analysed using Microsoft Excel

MODEL OF GOOD CARE

Step	Process of Care	Criteria	Preremedial	Standard	Cycle 1	Cycle 2
1	Walk in antenatal patient registered at dental clinic	Ensure every antenatal patient are registered	4000/	100%	4000/	4000/
		Ensure all walk-in antenatal patient must be accepted	nt 19979		100%	100%
		Antenatal patients come by their own for oral screening	0%	100%	30%	80%
2	Referral to dental officer in MCH Clinic	To refer all antenatal patients	50%	100%	70%	90%
3	Referral to dental clinic by MCH Clinic	To refer all antenatal patients	50%	100%	70%	90%
4	Availability of dental officers in MCH Clinic	To ensure dental officers are sent to MCH Clinic	50%	100%	60%	80%
		Dental officers are proactive in reminding MHCW	50%	100%	70%	90%

4. ANALYSIS AND INTERPRETATION

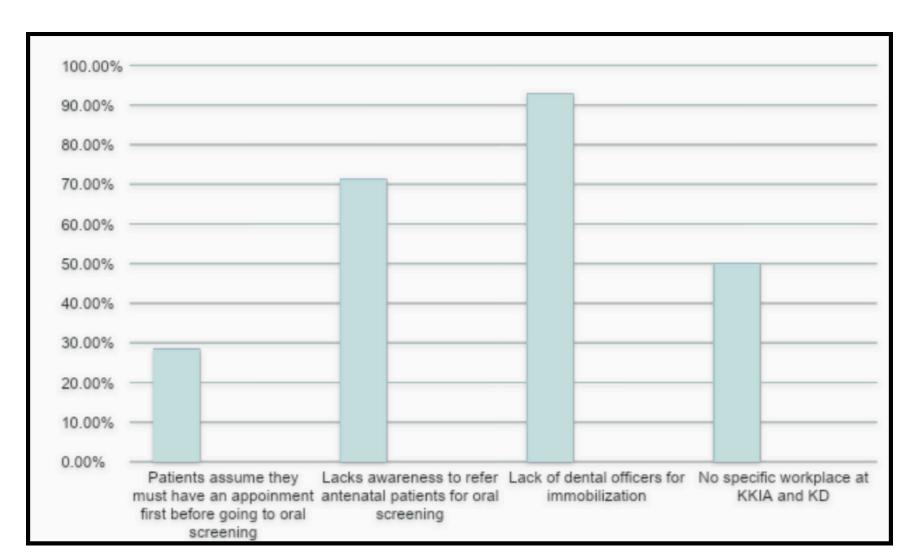


Figure 1: Questionnaire of knowledge and practice among dental officers

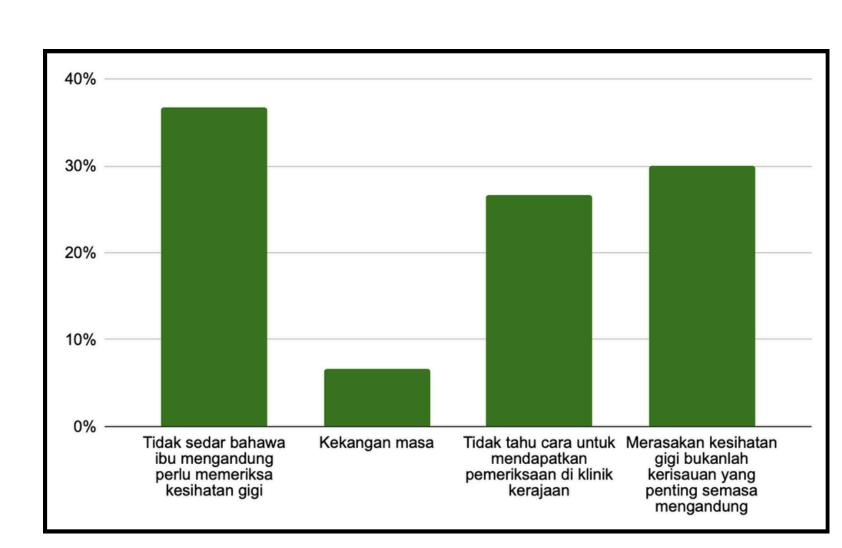
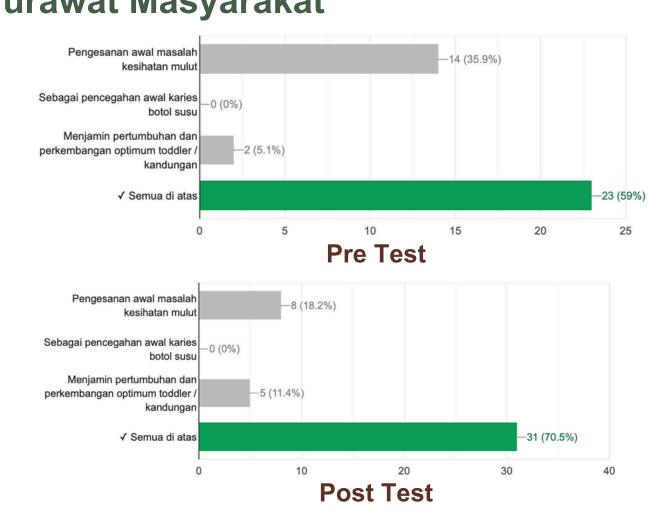


Figure 2: Questionnaire of knowledge among medical healthcare workers

Figure 3: Pre and Post Test After Seminar for Jururawat and Jururawat Masyarakat



5. STRATEGY FOR CHANGE				
Problem	Strategy for Change	Implementation		
Cycle 1 1. Lack of awareness regarding oral screening among antenatal patients.	GiBunt innovation; a dual function application which serves to provide oral health education and streamline antenatal patient's appointment via Infoblast and is provided in all MCH Clinics and KDs.	MASALAH GUSI & GIGI ketika mengandung boleh menyebabkan 1 BAYI LAHIR DENGAN BERAT BADAN RENDAH 2 KELAHIRAN BAYI PRA-MATANG SEGERA CELO COLO KKIA JAS Sila imbas kod QR untuk temujanji		

'Seminar Kesihatan Pergigian Cycle 1 2. Lack of awareness bagi Jururawat dan Jururawat Masyarakat di KKIA dan KD was among Medical organized through google meet. A Healthcare Workers pre and post test were done to regarding the determine the awareness of importance of referring antenatal patients for antenatal referral for oral screening. In addition, this oral screening. seminar emphasized more on the dental checkup column during the seminar.

Pegawai Pergigian Dalam esihatan Pergigian 16 August 2022

October 2022

August 2022

Reminder given in focus group discussion with Pejabat Kesihatan Daerah Johor Bahru. Systematic mobilization of denta 3. Different location officers to MCHC via centralized district schedule

July 2022

Cycle 1 Folded banquet table and chairs 4. No specific provided and labelled to establish workplace for a comfortable workplace. dental officers at MCH Clinics and Klinik Desa.

Cycle 1

of Dental clinic to

MCHC Clinics and

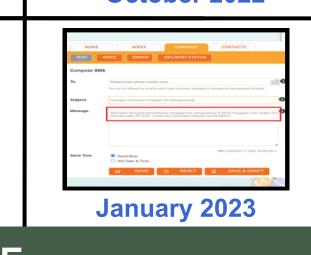
limited human



Reminder given in focus group Cycle 1 discussion with Pejabat Kesihatan 6. Unawareness of antenatal patients Daerah Johor Bahru. can do oral screening via walk-ins. Introduction of QR code and Cycle 2

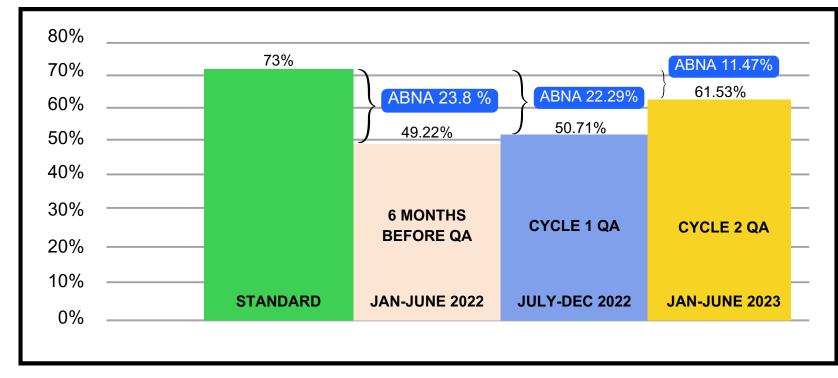


Infoblast for antenatal dental 7. Lack of availability and checkup slots. appointment slots in EPRS.



6. EFFECT OF CHANGE

ANTENATAL COVERAGE IN JOHOR BAHRU DISTRICT 2022-2023



6.1 Conclusion

- Oral screening among antenatal patients in Johor Bahru district has increased from 49.22% into 61.53%.
- Main contributing factors are lack of dental officers (93%), lack of awareness to refer antenatal patient (71%), antenatal patient unaware of the importances of oral healthcare (28%), and no specific workplace (50%).

7. THE NEXT STEP

· This project with the implementation of QR code and Infoblast are to be continued in 16 MCH Clinics and 20 Klinik Desa in Johor Bahru.

REFERENCES

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