

# ASCO's Quality Training Program

Project Title: HPV education and vaccination

Presenter's Name: Candice Lima

Institution: IMIP

Date: December 5, 2018

# Institutional Overview



IMIP – Located in Recife, Brazil

35% care of cancer of Pernambuco;  
100% Brazilian public health system  
(SUS)

2017: 6,958 new cancer patients  
treated

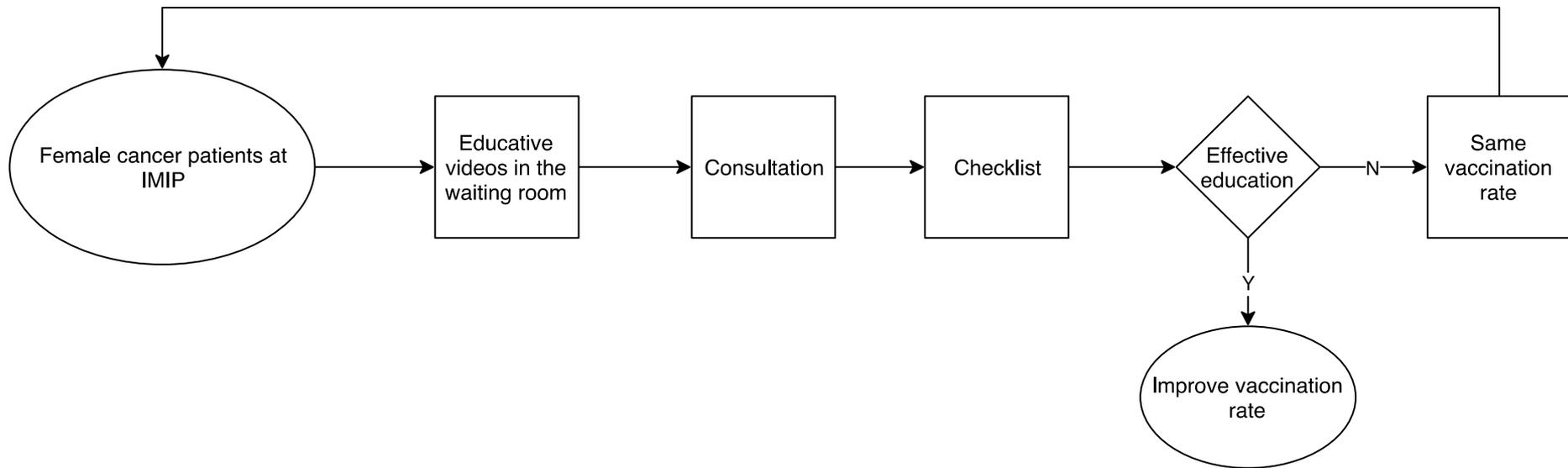
Ten buildings, 1,200 beds, 53,000 m<sup>2</sup>

Faculty: 1,200 physicians; 652 fellows:  
cancer care, teaching, clinical  
translational research and homecare.

# Problem Statement

“Zero percent of the IMIP patient population has systematic education about HPV vaccination, possibly contributing to low HPV vaccination rates in their children.”

# Process Map



# Team Members

## **Project Sponsor**

Jurema Telles

## **Team Leader**

Candice Lima

## **Core Team Members**

Jurema Telles

Julia Mello

Candice Lima

## **Facilitator**

Jeane Couto

## **Coach**

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## **Nurses**

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## **Administrative**

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## **Web Designer**

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Amanda Lima

Sylmara Pontes

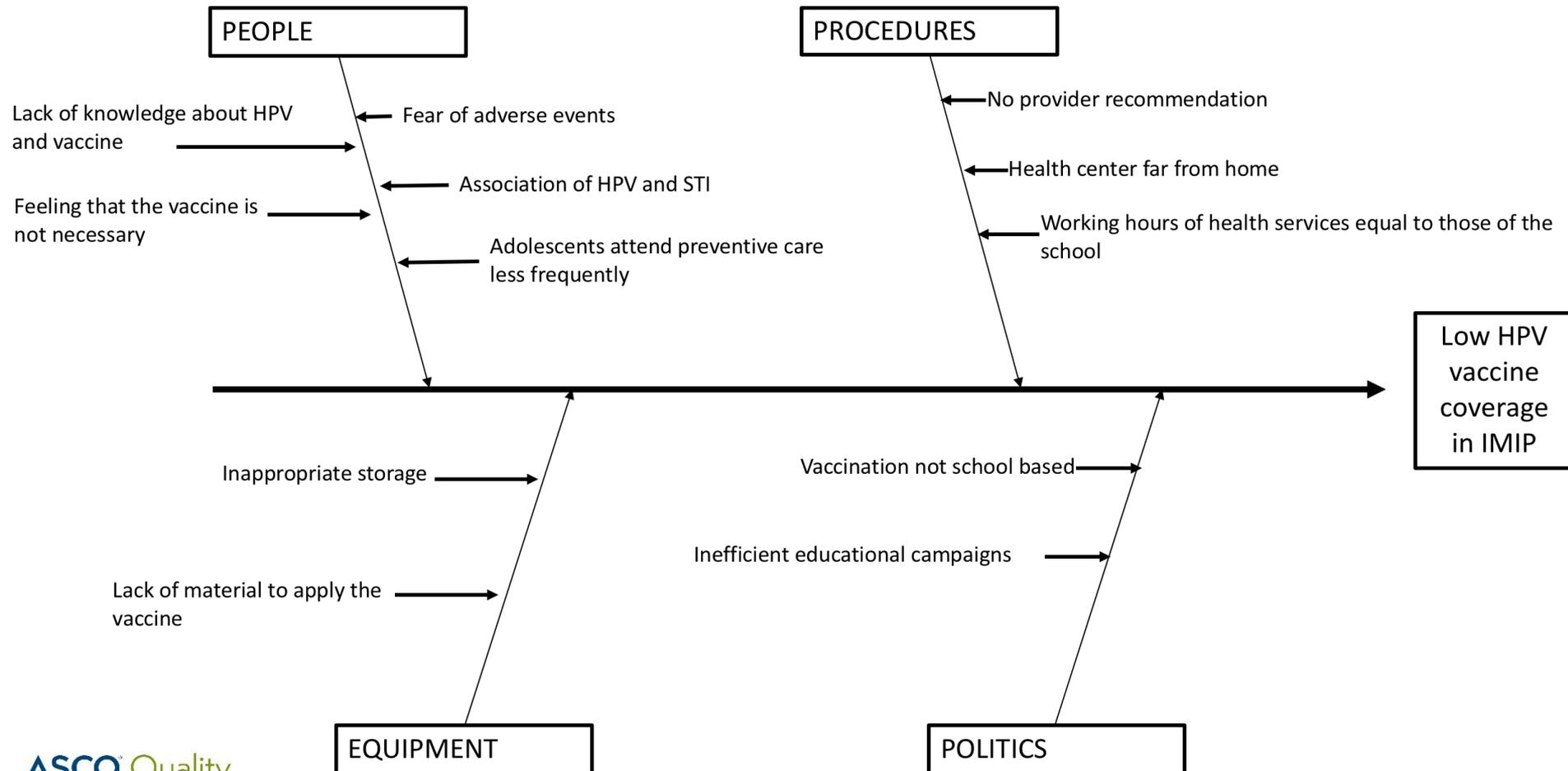
Renata Aragão

Ilka Rocha

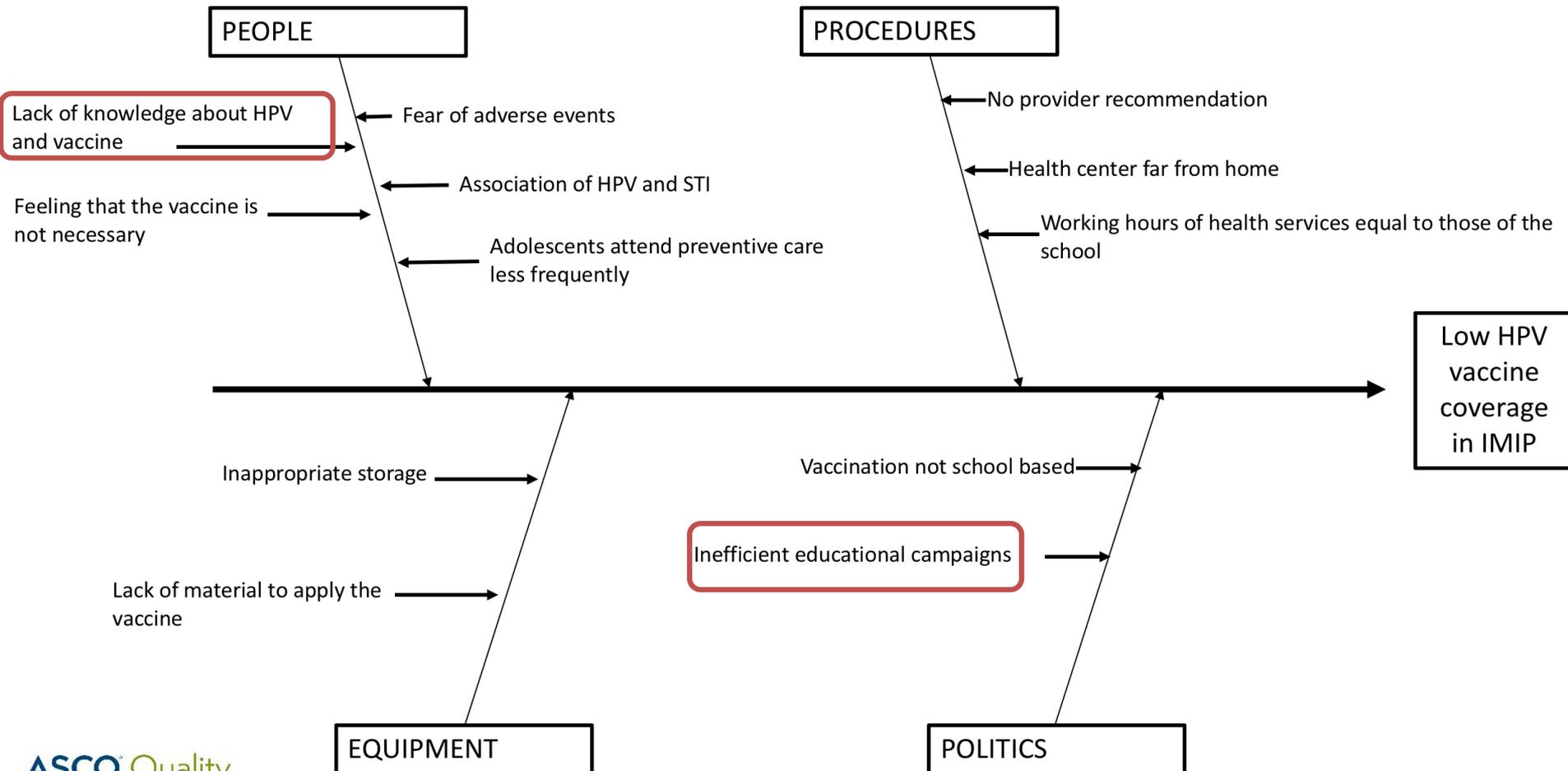
Rodrigo Arruda

Luis Felipe Carvalho

# Cause & Effect Diagram



# Cause & Effect Diagram



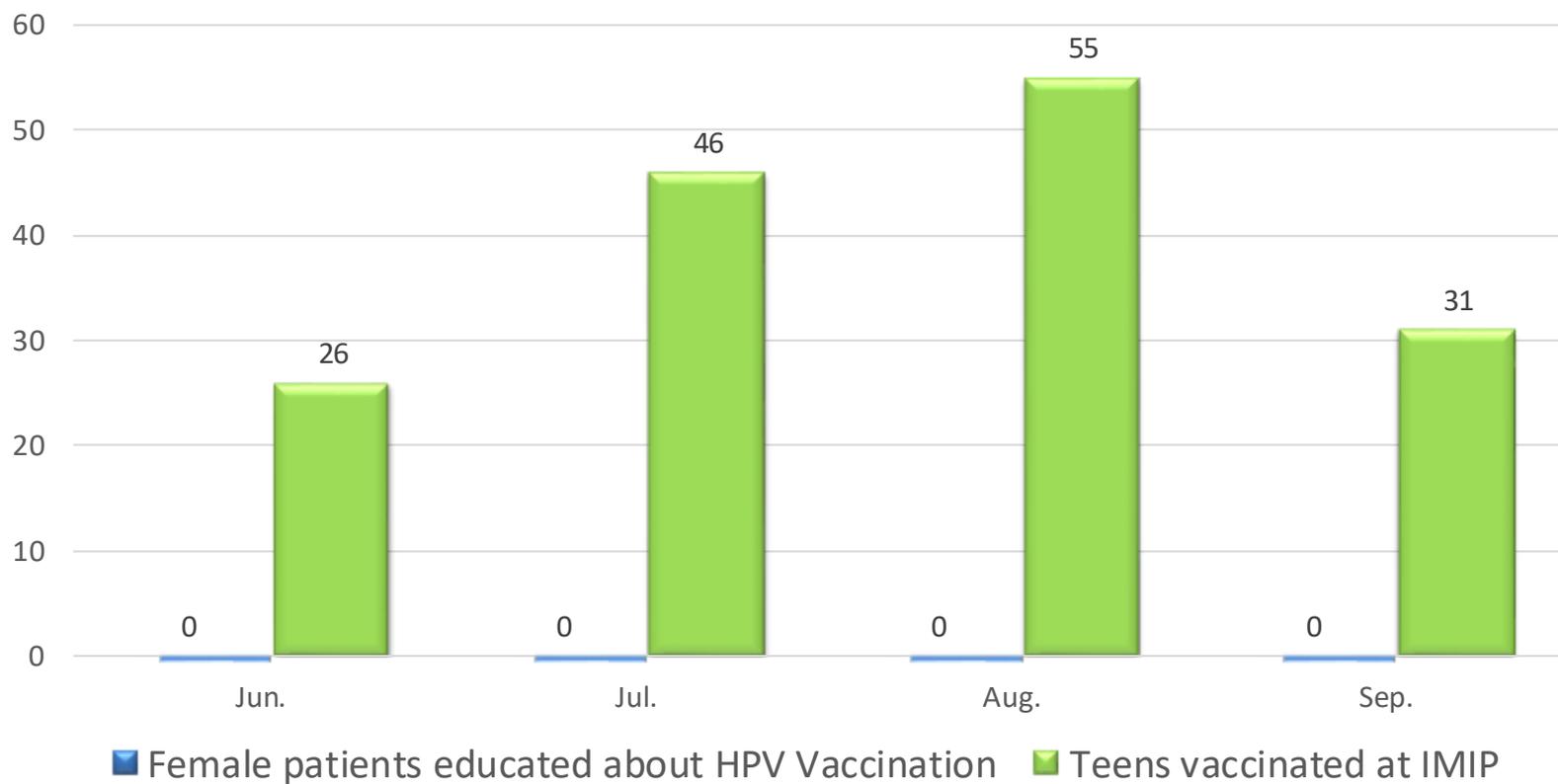
# Baseline Data

## Baseline Data (June – Sept. 2018)

- Total number of female cancer patients that visited the IMIP for oncologic consultations - 5055.
- Total number of female cancer patients educated about HPV vaccination – 0.

# Diagnostic Data

## Education rate & vaccination rate



# Aim Statement

"Increase by 50% the number of female patients educated about the importance of HPV vaccination by December 5, 2018."

# Measures (PDSA1)

- **Measure:** number of female cancer patients educated about HPV vaccination
- **Patient population:** female cancer patient at oncological consultation at IMIP
- **Calculation methodology:** consecutive numerical account
- **Data source:** questionnaire
- **Data collection frequency:** weekly, since 15<sup>th</sup> Oct 2018
- **Data quality(any limitations):** none

# Measures (PDSA2)

- **Measure:** adolescents that came for HPV vaccination in consequence of education
- **Patient population:** adolescents vaccinated against HPV at IMIP
- **Calculation methodology:** number of adolescents vaccinated against HPV at IMIP who came as a consequence of education
- **Data source:** registries books in the vaccination room
- **Data collection frequency:** weekly since the 9<sup>th</sup> Nov 2018
- **Data quality(any limitations):** none

# Prioritized List of Changes (Priority/Pay –Off Matrix)

<b>Impact</b>	<b>High</b>		
	<b>Low</b>	<ul style="list-style-type: none"><li>• New patient education during 1<sup>st</sup> consultation</li></ul>	<ul style="list-style-type: none"><li>• Development of educational material and video</li><li>• Development of questionnaire for vaccination and tracking log by staff performing the injections</li></ul>
		<b>Easy</b>	<b>Difficult</b>

Ease of Implementation

# PDSA Plan (Test of Change)

Date of PDSA Cycle	Description of Intervention	Results	Action Steps
October 2018	Change in the consultations process to include HPV education during new patient visit	Change in physician and staff workflow and offers patient the education which was missing prior	Changed workflow – Monitoring impact of education on IMIP vaccination rates
October 2018	Development of educational material and video infomercial about HVP vaccination in the waiting areas	<p>Easy to develop. Not difficult for staff.</p> <p>Some patient not happy about seeing the videos multiple times and wanted to watch other TV shows.</p>	<p>Monitoring to see if this approach has yielded an increase in vaccination of patients' children.</p> <p>Staff member decided to directly educate patients in the waiting room</p>
October 2018	Development of questionnaire for vaccination and tracking log by staff performing the injections	<p>Easy to develop. Not difficult for staff.</p> <p>Not consistently documenting the patient injection process</p>	<p>Questionnaire and Tracking log</p> <p>Re-educate staff on log utilization and documentation</p>

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# Materials Developed

## Checklist/ Questionnaire

### Na consulta, para a paciente (Aplicado pelo Médico Residente)

1. A paciente teve sua consulta Oncológica realizada?  
( ) SIM ( ) NÃO
2. A paciente assistiu ao vídeo sobre a vacina contra o HPV na sala de espera?  
( ) SIM ( ) NÃO
3. A paciente entendeu que a vacina contra o HPV previne o câncer de colo de útero?  
( ) SIM ( ) NÃO

4. A paciente tem filhos de 9 a 14 anos?  
( ) SIM ( ) NÃO  
\*Se sim, quantos?  
Meninos Meninas
5. A paciente vacinou seus filhos de 9 a 14 anos contra o HPV?  
( ) SIM ( ) NÃO  
\*Se sim, quantos?  
Meninos Meninas

### Na Consulta (Para o Médico Residente)

1. Você informou à paciente que a vacina contra o HPV previne o câncer de colo de útero?  
( ) SIM ( ) NÃO
2. Você entregou à paciente a recomendação para vacinação?  
( ) SIM ( ) NÃO

# Materials Developed

## Checklist/ Questionnaire

### In the consultation, for the patient (applied by Resident Doctor)

1. Did the patient have her oncological consult performed?  
( ) YES ( ) NO
2. Did the patient watch the HPV vaccination video in the waiting room?  
( ) YES ( ) NO
3. Did the patient understand that the HPV vaccine prevents cervical cancer?  
( ) YES ( ) NO

4. The patient has children from 9 to 14 years old?  
( ) YES ( ) NO  
\* If yes, how many?  
Boys                  Girls
5. The patient vaccinated her children from 9 to 14 years against HPV?  
( ) YES ( ) NO  
\* If yes, how many?  
Boys                  Girls

### In the query (for Resident Doctor)

1. Did you inform the patient that the HPV vaccine prevents cervical cancer?  
( ) YES ( ) NO
2. You gave the patient the recommendation for vaccination?  
( ) YES ( ) NO

# Materials Developed

Track paper

*Vacinação  
contra o HPV*

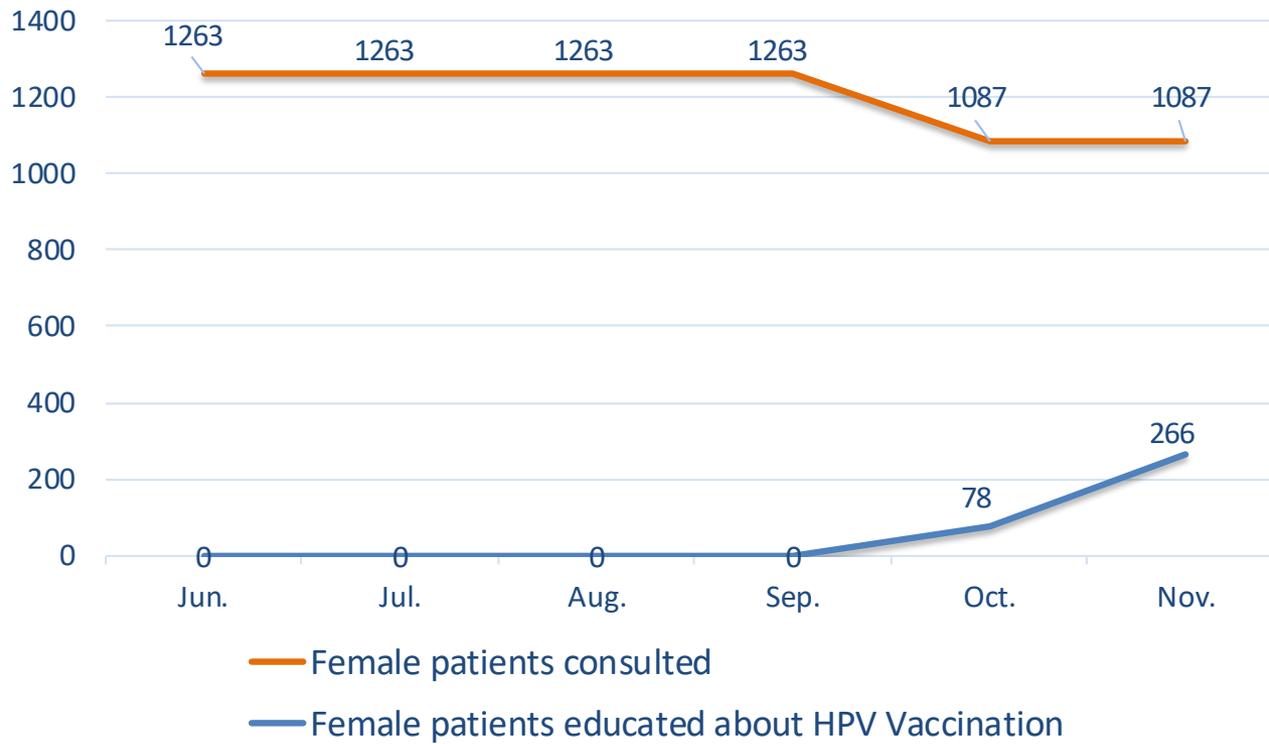
*A vacina contra o HPV é  
segura e previne o câncer do  
colo do útero*

*Meninas de 9 a 14 anos*

*Meninos de 11 a 14 anos*

# Change Data

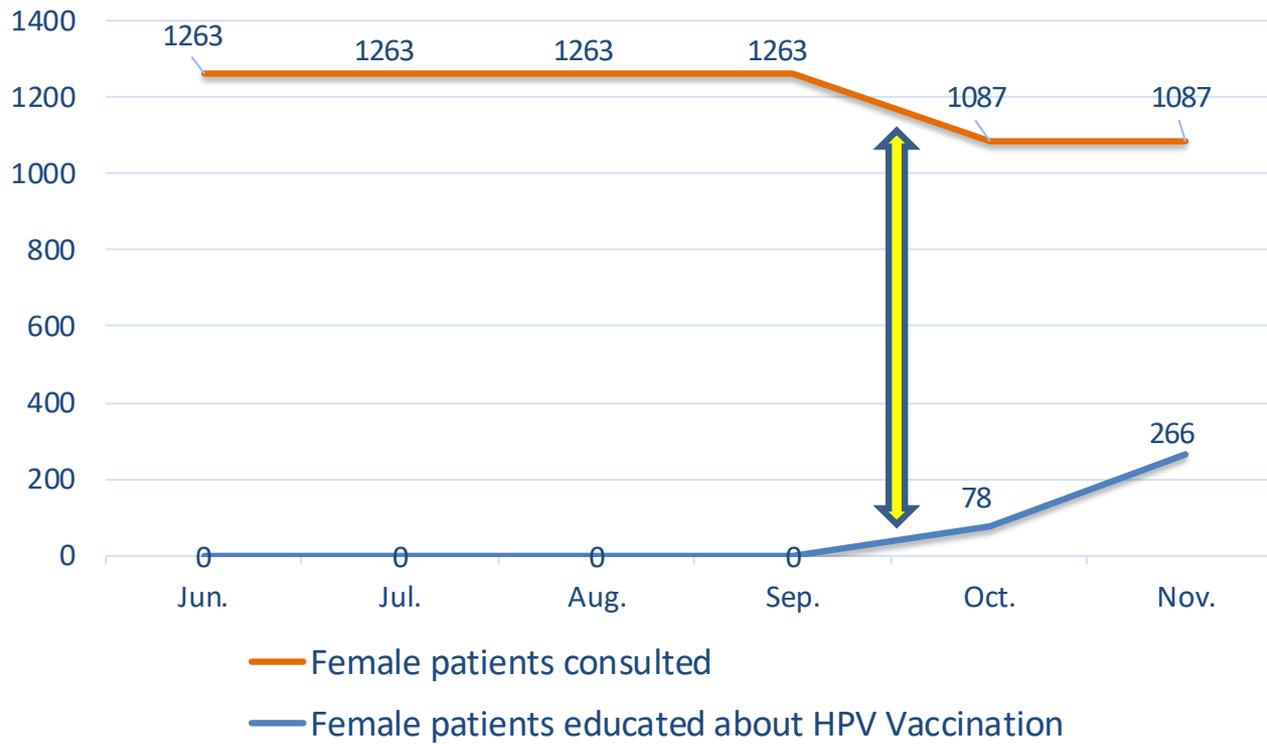
## Cancer patients consulted vs. educated



15,82% of patients educated about HPV vaccination

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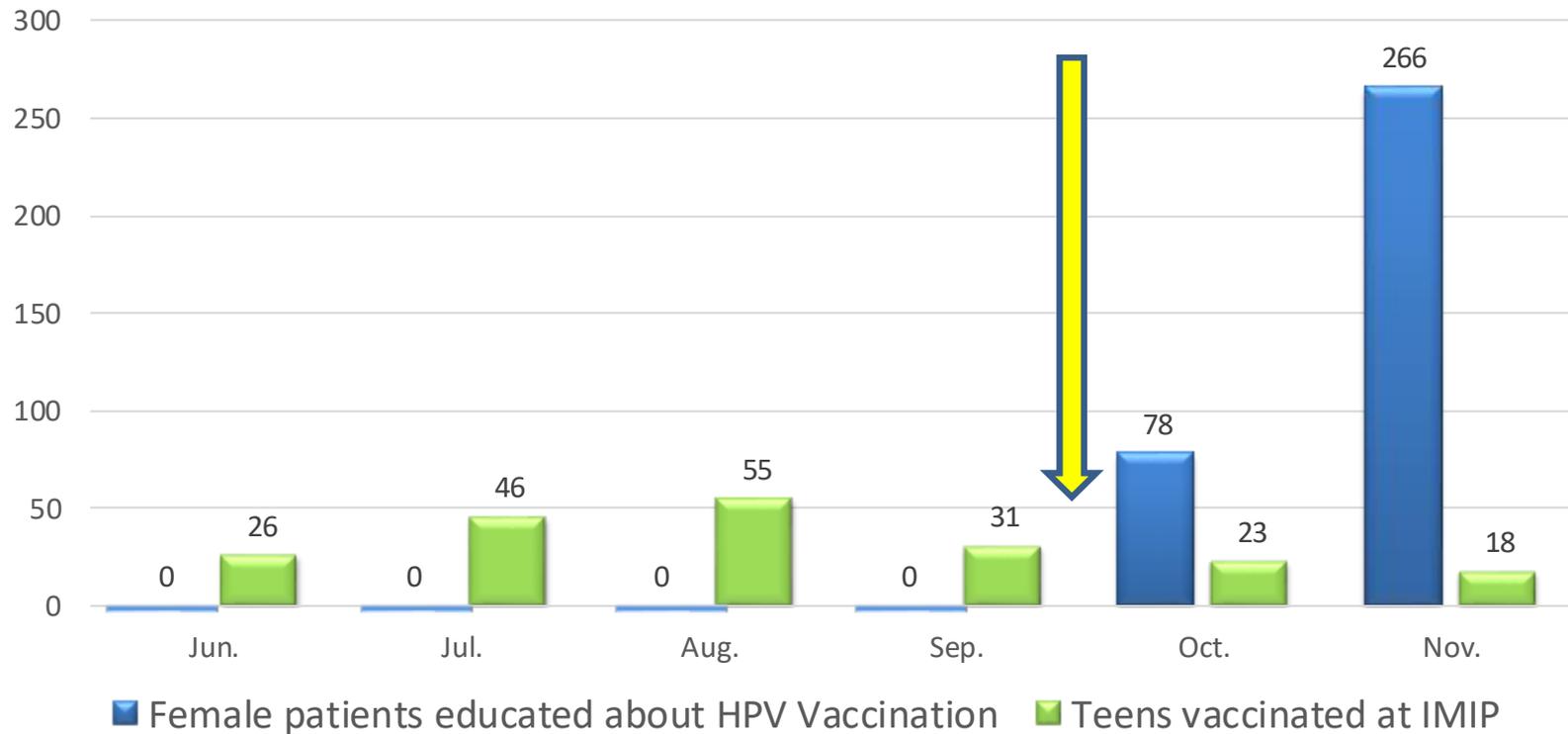
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# Change Data

## Education rate & vaccination rate



# Conclusions

- We **have increased our patient education** and will continue to monitor if the increase education has correlated to an increase in vaccination rates over time
- To date we **have not observed an improvement in the rate of children being vaccinated** at IMIP.

# Next Steps/Plan for Sustainability

- Continue to track monthly our education & vaccination rates / better data
- Extension our education effort to other clinics in Recife affiliated with IMIP
- Introduce our efforts to other healthcare providers in the community, also schools and churches to further the education gap about the importance of HPV vaccination



Thank you

- ✓ Patients
- ✓ Team members IMIP
- ✓ Coach
- ✓ ASCO QTP staff and participants