The Argentinean experience with HPV-self collection: Results and challenges

Silvina Arrossi, Msc, PhD HPV Board Meeting, Antwerp, June 2023





HPV SELF-COLLECTION

Highly effective to detect disease

Acceptable

High potential to reduce barriers to screening

ARGENTINEAN CONTEXT

- The offer of HPV self-collection: Where, by whom?
- Is it acceptable?
- Is it effective to increase screening uptake?
- What are its core components?
- What are the method main limitations in the local context?





CONOCIMIENTO PARA LA SALUD DE LAS MUJERES

200 CHWs who routinely visited households for health service provision



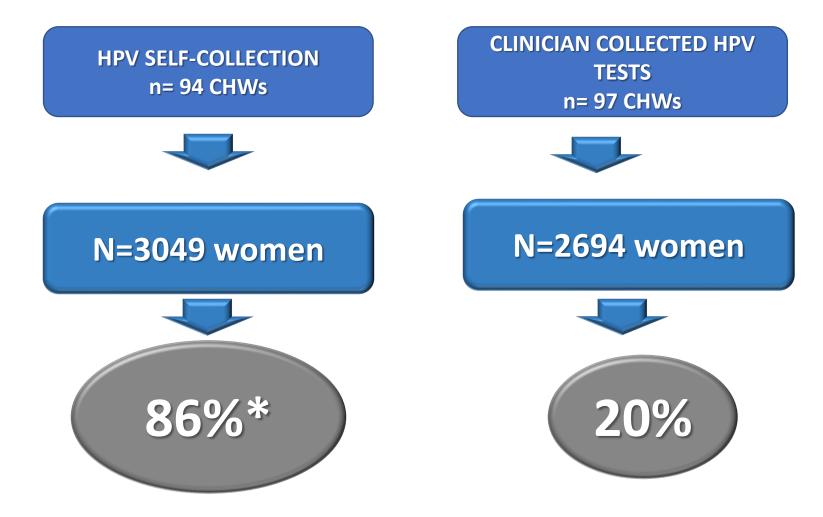


6000 women





STUDY DESIGN AND RESULTS





EMA STUDY: MAIN RESULTS



- ➤ High acceptability by women: 85% of women in the intervention arm preferred self-collection
- ➤ Accepted by CHWs: 89% accepted to include the offer of self-collection as part of their programmatic tasks



> Accepted by health professionals

Self-collection strategy: Core components

TRAINING



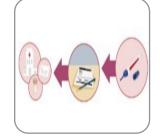




FOLLOW-UP AND TREATMENT











2 workshops including:

- Scientific data on HPV/cervical cancer prevention
- Step-by-step self-collection takeup
- Communication skills to conduct the educational talk (instruct women on how to perform selfcollection)
- · Evaluation.

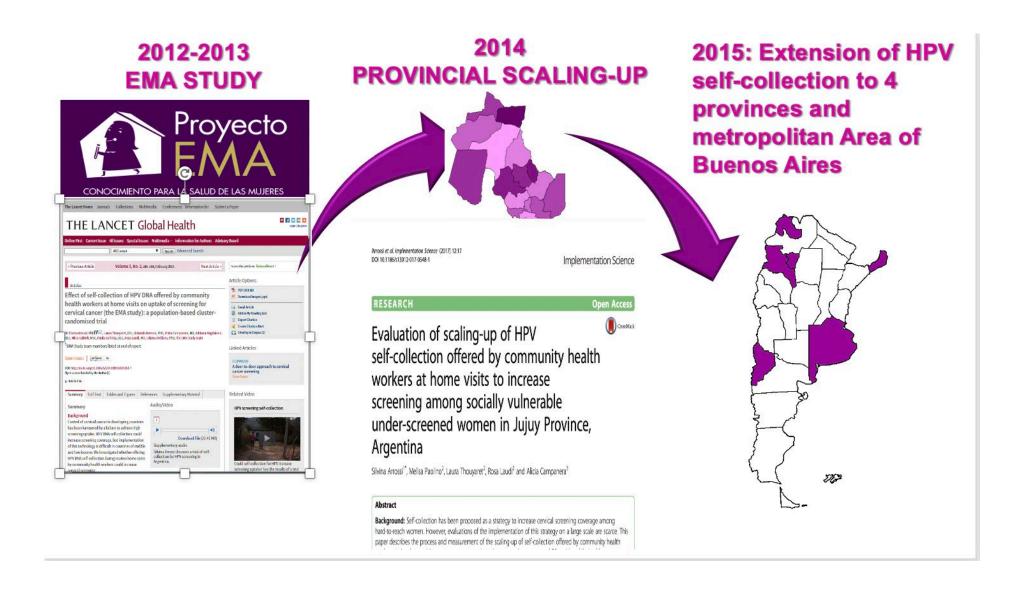
- Home visits,
- Identification of target population;+
- During the visit, provision of information about cervical cancer prevention and HPV testing; a 10-min step-bystep explanation on how to perform it using communication support material and Information about HPV results
- Labeling of collectors with the woman name and the national unique identifier number
- Transport of specimens at room temperature to PHC centers:
- Transport to the provincial HPV laboratory (before 14 days)

Follow up and treatment according to guidelines:

Cytology triage for HPV+ women, colposcopy and treatment for HPV+/Cyto ASCUS+;

Referral times.

Scaling-up of HPV self-collection



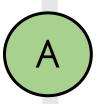


Reach: 10 % of screening in target population

➤ Evaluation of provincial scaling up

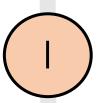
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Effectiveness to increase coverage:
40% increase in screening uptake in target population



Adoption: 70% of CHWs offered Self-collection;





Implementation: Training: 82%; Discarded

Schiples: U.Z%

70% triage; 70% DX; Tx: 82%

CIN2+: 0,9% (EMA: 1,1%)



Maitenance: SC routine practice from 2014 onwards

Adherence to triage is a problem

Programmatic human papillomavirus testing in cervical cancer prevention in the Jujuy Demonstration Project in Argentina: a population-based, before-and-after retrospective cohort study



Silvina Arrossi, Melisa Paolino, Rosa Laudi, Juan Gago, Alicia Campanero, Oscar Marín, Cristina Falcán, Veránica Serra, Rolando Herrero, Laura Thouyaret

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Summary

the Jujuy Demo public health sy strategy in 2014. neoplasia (CIN)

Methods We did Cancer Preventic screening period Dec 31, 2014. The and older. To asset and propensity of framework was a

Findings Of the 236 (0·8%) indiv tests, n=4865), 6 first round of s CIN2+ lesion w when screened v similar in both testing period in recommendation

Interpretation H improvement of reduction of cerv

ARTÍCULOS ORIGINALES

ADHERENCIA AL TRIAJE EN CONTEXTO DE TAMIZA JE CON ALITOTOMA DEL TEST DE VIRUS DEL PAPILOMA HU

Triage of Women with Human Papillomavi

Melisa Paolino^a, Alicia Campanera^a, Silvia Natalia Martiarena^a, Marisa Ponce^a, Silvina Arrossi^a RESUMEN. INTRODUCCIÓN: Es reconocida la electricidad d

processorino (CC), atá como su potencial para reducir barrer de acceso al tamicaje a través de su modalidad autotorsa (WH). Uno de los principales desaflos consiste en gasartiza (WH+). El objetivo de este estadio fue analizar la magnitud y terminantes sociales de la adherencia al triale (realización stolonia posterior a un sesultado de test de VPH+) en reuse de 30 atos o más con AT-WH+ dentro del sistema público lud de la provincia de Jujuy, MÉTODOS: Se efectuó un estidiscriptivo transversal con análisis del Sistema de Informaci para el Tamissije (SITAM) y encuentas domiciliarias a reujer de 30 años o más con autotomas positivas en lugay diase 2015-2016, sin revistro de triale, RESUDADOS: El porcent estimado de adherencia al triaje fue de entre 95% y 81%. Est ontajes son menores a los 60 y 120 dias de realizada la 894 y 3594, respectivamente). Las mujeres con cobertura bra socialibrisada y sin condición de hacinamiento pose mayor probabilidad de achiere al triaje. El principal motivo de acherencia fueron los problemas con la entresa de resultad CONCLUSIONES: Pese a los altos riveles de adherencia al tria

de resoltados y ayuden a entrentar las barresas socioestructural BILABRAS CLAVE: Neoplasia del Cuelo Uterino; Paciertes Desistent Estamento, Trans.

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FUENTE DE FINANCIAMENTO: Beta "Abesam Sonis", categoria individual, otorgada por la Dirección de Investigación para la Sala Ministerio de Salad de la Nación, Argentina.

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Adherence to triage among women with HPV-positive self-collection: a study in a middle-low income population in Argentina

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Abstract

Introduction: Screening for cervical cancer (CC) prevention has substantially changed with the introduction of human papillomavirus (HPV) tests. This technology compared to cytology has increased the detection of pre-malignant and malignant cervical lesions in real-world programmes in different settings. Very importantly, through self-collection, HPV testing can reduce barriers to screening and increase coverage. However, when using HPV self-collection, triage tests are a key step in the CC prevention process, and high adherence to triage has been difficult to obtain in low-middle income settings. The aim of this study was to measure adherence to triage among women with HPV+ self-collection and analysed factors

Level of adherence to triage in several provinces



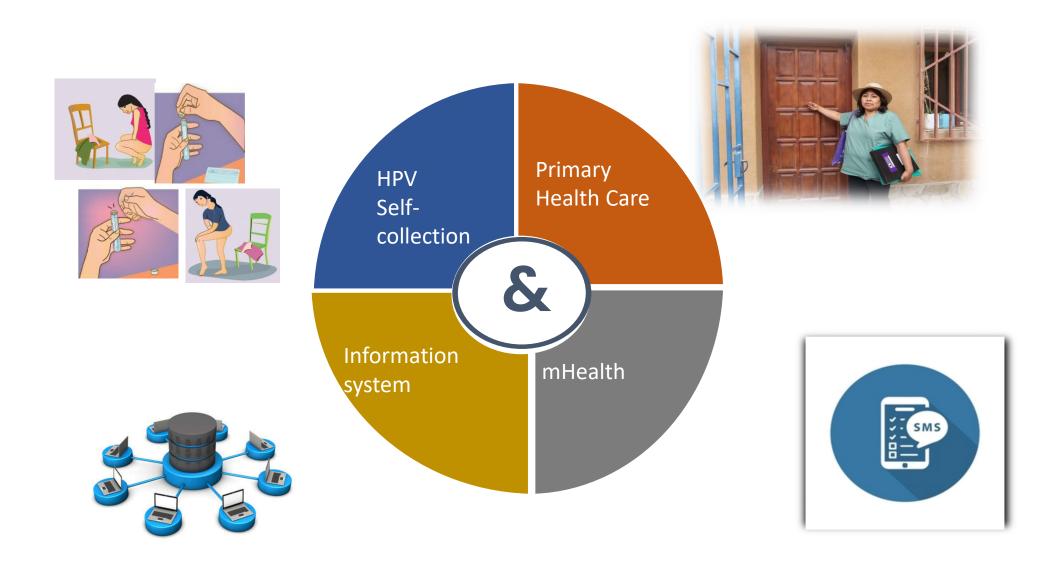
Arrossi et al, The Lancet Global Health, 2019; Paolino et al, RASP, 2019; Paolino et al, ecancer, 2020

HPV self-collection and adherence to triage



-Key question-How to increase adherence to triage among women with self-collected tests?

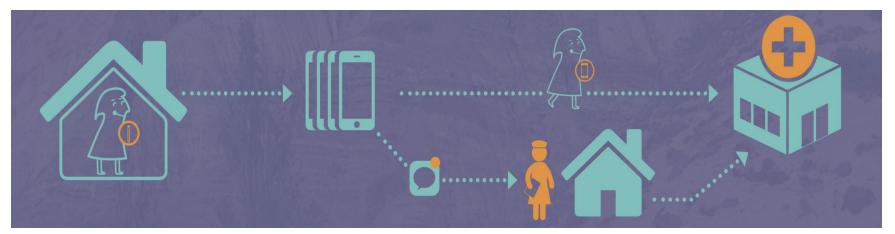
IMPLEMENTATION SCIENCE TO IMPROVE EFFECTIVENSS OF THE FOLLOW-UP PROCESS



MIXED-METHODS EVALUATION OF A MULTI-COMPONENT MHEALTH INTERVENTION FOR TRIAGE AFTER HPV SELF-COLLECTION:

THE ATICA STUDY

(APPLICATION OF COMMUNICATION AND INFORMATION TECHNOLOGIES TO SELF-COLLECTION, FOR ITS INITIALS IN SPANISH)



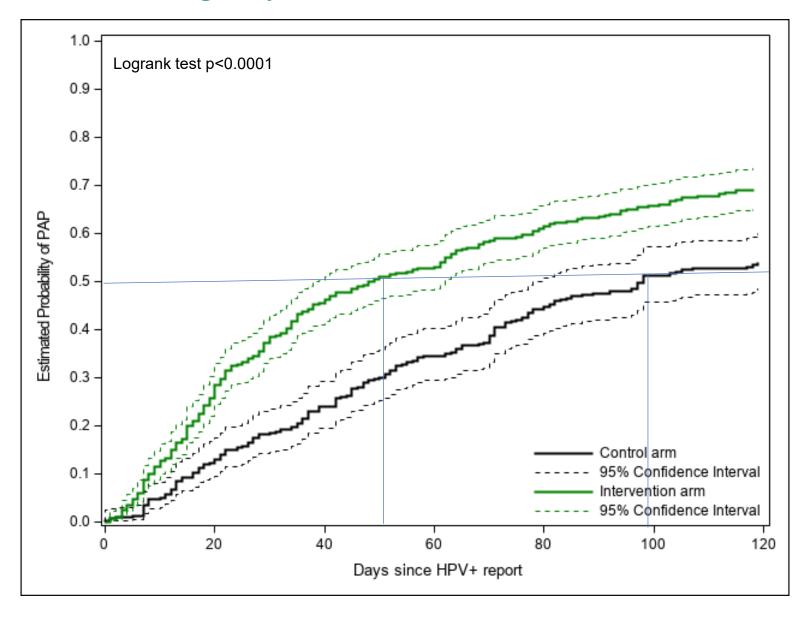
First component: Mobile phone text messages (SMS) were sent to HPV+ women informing them that the test result was ready for collection and advising them to go to the health center.

Second component: An email/SMS message was sent to CHWs to promote contacting women who did not adhere to triage within 60 days after testing positive.

TRIAGE ADHERENCE (60 AND 120 DAYS)*

	PAP at 60 days (only SMS messages)	PAP at 120 days (SMS to CHWs)
Intervention	54%	71%
(95% CI)	(48 – 58)	(65 – 75)
Control	33%	55%
(95% CI)	(27 – 40%)	(47% – 61%)
Diference in percentaje (95% CI)	21% (11% – 28%)	16% (7%- 24%)
RR	1.61	1.28
(95%CI)	(1.26- 1.96)	(1.11 -1.5)

Time to triage by trial arm



Summary

- When offered by CHW HPV-self collection is effective to increase uptake;
- HPV self-collection is acceptable to women and providers, with high adoption by health providers;
- When scaled-up, adoption, acceptability and effectiveness to increase screening uptake is maintained;
- Adherence to Triage and follow-up is main challenge of HPV-self collection;
- mHealth methods are effective to increase follow-up of HPV positive women with self-collected tests

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