HOPE: Improving women’s life using molecular testing for screening of Human Papilloma Virus (HPV)

Patricia J. García  MD MPH PhD
The Facts…

• In the world, cervical cancer (CC) is the third most frequent cancer in women.

• Human papilloma virus (HPV) is the cause of cervical cancer.

• In Peru, CC is the **number one cancer** affecting women
  – **34.5 / 100,000 women** (higher than the LA avg. 24.1)

• Reasons for this high incidence:
  – HPV infection high prevalence
  – Only 40.3 % of women have a PAP (**fear, knowdlege**)
  – PAP sensitivity to detect cancer is low: **42.5 %**
There are new ways of detecting the presence of the virus, which would help us to detect the problem before cancer occurs.

- **New molecular tests** to detect the presence of HPV in the vagina / cervix.
- Could be done by women in the comfort of their homes (self-administered swab).
HOPE: Improving women´s life using molecular testing for screening of Human papilloma virus (HPV)
Women from the community: Champions! Leaders! Traineds!
To provide information and screening kits to women at home for self testing

Final Result:
Healthy women
Early detection,
Better prognosis
Empowering women
Social business/innovation model

New model for CC prevention: HOPE
Objective

• Assess the feasibility of the implementation and performance of a new model of CC: “Hope” including:
  – women community leaders (champions!)
  – making use of self-administered vaginal swabs
  – use of new molecular tests for the detection of HPV
  – Cel phones: SMS for results, motivation, reminders of visits
Ventanilla - Callao
0. Initial work

- Ethics approval April 7th 2015
- Coordinations with local authorities and other stakeholders
- Preparation of training materials
- Negotiations with Quiagen to get the HPV test kits
- Arrival of supplies and equipment for the test September 15th, 2015
Screening Kit

Facultad de Salud Pública y Administración
Gestiona salud, promueve bienestar
1. Training of laboratory staff

September 22-25th

Laboratorio Referencial
DIRESA Callao

INSTRUCTOR:
PhD. Jacobo Zúñiga
Qiagen México
2. Identifying potential women leaders

- 165 women visited
- 107 invited
3. Training for women leaders

- Two-day workshop
- 59 women trained
Pretest
Reviewing concepts regarding cervical cancer
Learning about self-collection of samples
How to fill forms and record information
Practicing what they have learned
Hope women leaders: the champions

Pachacútec-Ventanilla

- Bahía Blanca: 18 women
- Perú Corea: 23 women
- Santa Rosa: 18 women

Total 59
Ages: 27-57yo
Meetings every 2 weeks: counting screening kits, reviewing topics with Hope champions...

4. Implementation: Collection of kits 24 hours in “mail boxes”
5. Transportation of samples to lab
6. Results send through SMS

"El resultado de su prueba esta normal; continúe cuidando su salud con sus chequeos anuales del Papanicolaou”

Universidad Peruana Cayetano Heredia

Ya tenemos el resultado de su prueba. Luego le estaremos enviando el lugar, fecha y hora de su cita.

Universidad Peruana Cayetano Heredia
Work in progress...

• Kits distributed: more than 2000
• Kits found in the mailboxes: 95% recovery
• HPV prevalence: 16.6%
• Next steps:
  – Lessons learned
  – Other topics to include:
    • HPV vaccine promotion
  – business model…
**Business Model**

**Private sector:**
- Clinics, Private insurance

**Support**

**Public Sector:**
- Health Ministry establishments

**Users:** Pregnant women from public sector

- Service by other champion women at home: Information and screening kit, and deliver to lab
- Results by cell phone (including referrals)
- Women: Payment for testing and service (private)
- Payment for testing by MOH and service by women (public sector)
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Gracias...
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