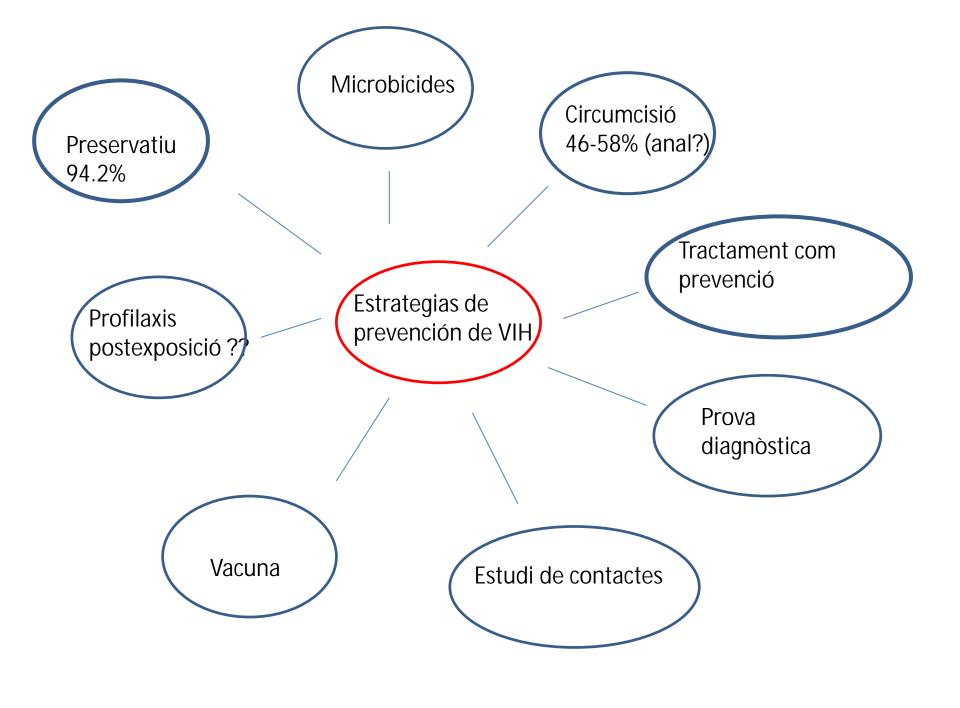
Evidències científiques de la profilaxi pre-exposició (PrEP) en la prevenció de l'HIV

M^a Jesús Barberá. *Unitat d'ITS Hebron-Drassanes Hospital Universitari Vall d'Hebron, Barcelona*



HIV prevention

Combination HIV prevention refers to a combination of behavioural, biomedical and structural approaches to HIV prevention to achieve maximum impact on reducing HIV transmission and acquisition.

Epidèmia descontrolada

• 15% de HSH de Bcn/Cat

 Alt nivell de transmissió a la 1^a fase de la infecció O-25 An epidemiological analysis of men who have sex with men who are prescribed HIV post-exposure prophylaxis: implications for wider pre-exposure prophylaxis policy

Holly Mitchell, Martina Furegato, Gwenda Hughes, Nigel Field, Hamish Mohammed and Anthony Nardone Public Heath England, UK

HIV incidence was higher among those receiving PEPSE (adjusted hazard ratio 41.18, 95% CI: 1.03–1.35).

PrEP may be beneficial for high-risk MSM receiving PEPSE and also avoid the need for repeat PEPSE prescriptions.

P008 High rates of repeat post-exposure prophylaxis and HIV incidence among men who have sex with men prescribed post-exposure prophylaxis in London, UK

Gary Whitlock, Jennifer Fearnley, Chris Mccormack and Alan Mcowan NHS, UK P082 High proportion of newly diagnosed HIV-positive men who have sex with men had previous HIV test in Germany – is testing used as prevention strategy?

Bartmeyer Barbara, Schönerstedt-Zastrau Kerstin, Hofmann Alexandra, Kollan Christian, Voss Lieselotte, Osamah Hamouda and Viviane Bremer Robert Koch Institute, Germany

What if there were a pill that could help prevent HIV?

There is.

Ask your doctor if PrEP is right for you.

Pre-exposure prophylaxis: A daily pill to reduce risk of HIV infection

www.cdc.gov/hiv/basics/prep.html





HIV prevention

PrEP: Oral PrEP of HIV infection is the use of ARV drugs by HIV-uninfected people before the potential exposure to block the acquisition of HIV

Cost? Toxicitat? Resistències? Compensació de risc?

PrEp and ART evidence to come: Summary of status of relevant PrEP and ART effectiveness trials including those underway

| | CAPRISA 004(8) | iPrEx(6) | FEM- PREP(10) | Partners in PrEP(4) | CDC- TDF2(7) | HPTN 052(21) | CDC 370(5) |
|--------------|--|--|--|---|---|--|--|
| Population | 889 women from urban and rural settings in Kwazulu Natal, South Africa | 2499 MSM or transgend er men in South America, the US and South Africa | 1,950 Women at high risk in Kenya, South Africa and Tanzania | 4,758 Sero- discordant couples in Kenya, Uganda, | 1,219 young adults in Botswana | 1,750 Sero- discordant couples in Uganda, Kenya, , Brazil, India, Thailand | 2, 413 male and female Injecting drug users in Bangkok, Thailand |
| Intervention | Before and after sex 1% tenofovir vaginal gel applied | Daily Oral Truvada | Daily Oral Truvada | Daily Oral tenofovir or Truvada | Daily Oral Truvada | ART for positive partner when enrols vs standard | Daily Oral tenofovir |
| Trial status | Reported Jul 2010 | Reported Nov 2010 | Reported Apr 2011 | Reported Jul 2011 | Reported Jul 2011 | Reported Aug 2011 | Reported Jul 2013 |

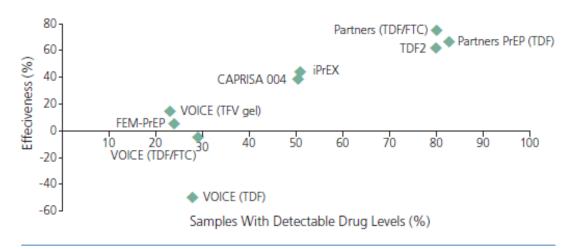


Figure 2. Relationship between effectiveness and adherence in preexposure prophylaxis (PrEP) and microbicide trials (Pearson correlation, 0.86; P = .003). CAPRISA indicates Centre for the AIDS Programme of Research in South Africa; FEM-PrEP, Preexposure Prophylaxis Trial for HIV Prevention Among African Women; FTC; emtricitabine; iPrEx, Chemoprophylaxis for HIV Prevention in Men; TDF, tenofovir disoproxil fumarate; TFV, tenofovir; VOICE, Vaginal and Oral Interventions to Control the Epidemic. Adapted from AIDS Vaccine Advocacy Coalition (AVAC).³⁶

PrEp and ART evidence to come: Summary of status of relevant PrEP and ART effectiveness trials including those underway

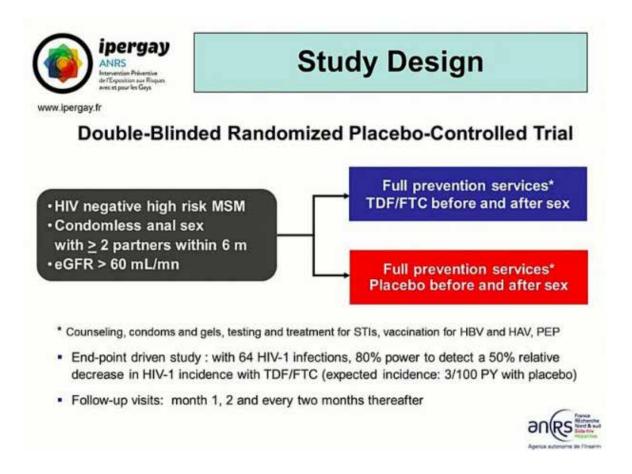
| | VOICE(11) | FACTS- 001(9) | IPERGAY(2 | PROUD(1) | IPM 027/ The Ring | MTN20/ Aspire |
|--------------|-------------|------------------|------------|------------|----------------------|------------------|
| | | | | | Study | |
| | 5,000 | 2059 | 413 MSM | 545 MSM | 1950 | 3476 |
| | Women | women | in France | in England | Women | Women |
| | from | from | and | | from urban | from urban |
| | urban and | urban and | Canada | | and rural | and rural |
| | rural | rural | | | settings in | settings in |
| | settings in | settings in | | | South | Malawi |
| | South | South | | | Africa, | South Afria, |
| | Africa, | Africa, | | | Uganda | Uganda, |
| | Uganda, | | | | | Zimbabwe |
| | Zimbabwe | | | | | |
| | Daily | Before and | Before and | Dailu | Continuous | Continuous |
| | | after sex | after sex | | | |
| | Oral | 40/ | 0 1 | Oral | Dapivirine, | Dapivirine, |
| | tenofovir | 1% | Oral | Truvada | released | released |
| | or Truvada | tenofovir | Truvada | | from a | from a |
| | or | vaginal gel | | | vaginal ring | vaginal ring |
| | 1% | applied | | | | |
| | tenofovir | | | | | |
| | vaginal gel | | | | | |
| _ | | | | | | |
| | Reported | Reported | 86% | | In follow- | In follow-up |
| Eficàcia ——— | Feb 2015 | Feb 2015 | | ٠, | up to | to report |
| LIIGUIA | . 00 2015 | . 00 2015 | Costo- | etect | report 2016 | 2016 |
| | | | | | | |

PrEP Systematic review results

| | Analysis | No. of studies | Sample Size (N) | Risk Ratio (95% CI) | p-value | l ² | P-value (meta- regression) |
|-----------------|-----------------------------|----------------|--------------------|------------------------|----------|----------------|-------------------------------|
| | RCTs comparing PrEP to | placebo | | | | | |
| | Overall | 10 | 17424 | 0.49 (0.33-0.73) | 0.001 | 70.9 | |
| | Adherence | | | | | | |
| > | High (>70%) | 3 | 6150 | 0.30 (0.21-0.45) | < 0.0001 | 0.0 | <0.0001 |
| | Moderate (41-70%) | 2 | 4912 | 0.55 (0.39-0.76) | < 0.0001 | 0.0 | 0.009 |
| | Low (≤40%) | 2 | 5033 | 0.95 (0.74-1.23) | 0.70 | 0.0 | ref |
| | Mode of Acquisition | | | | | | |
| | Rectal | 4 | 3167 | 0.34 (0.15-0.80) | 0.01 | 29.1 | |
| | Vaginal/penile | 6 | 14252 | 0.54 (0.32-0.90) | 0.02 | 80.1 | 0.36 |
| | Biological sex ¹ | | | | | | |
| | Male | 7 | 8706 | 0.38 (0.25-0.60) | < 0.0001 | 34.5 | |
| | Female | 6 | 8716 | 0.57 (0.34-0.94) | 0.03 | 68.3 | 0.19 |
| | Age ² | | | | | | |
| | 18 to 24 years | 3 | 2997 | 0.71 (0.47-1.06) | 0.09 | 20.5 | 0.29 |
| | ≥25 years | 3 | 5129 | 0.45 (0.22-0.91) | 0.03 | 72.4 | |
| | Drug Regimen | | | | | | |
| | TDF | 5 | 4303 active | 0.49 (0.28-0.86) | 0.001 | 63.9 | |
| | FTC/TDF | 7 | 5693 active | 0.51 (0.31-0.83) | 0.007 | 77.2 | 0.88 |
| | Drug Dosing | | | | | | |
| | Daily | 8 | 17024 | 0.54 (0.36-0.81) | 0.003 | 73.6 | |
| | Intermittent | 1 | 400 | 0.14 (0.03-0.63) | 0.01 | 0.0 | 0.14 |
| | RCTs comparing PrEP to | no PrEP | | | | | |
| | Overall | 2 | 720 | 0.15 (0.05-0.46) | 0.001 | 0.0 | NA |

 $^{^{1}}$ The iPrEx trial included 313 (13%) transgender women. 2 Includes only studies that stratified age by <25 and ≥25.

On Demand PrEP With Oral TDF-FTC in MSM: Results of the ANRS Ipergay Trial







Ipergay: Event-Driven iPrEP

- ✓ 2 tablets (TDF/FTC or placebo) 2-24 hours before sex
- √ 1 tablet (TDF/FTC or placebo) 24 hours later
- √ 1 tablet (TDF/FTC or placebo)
 48 hours after first intake







Baseline Characteristics

| Characteristics (Median, IQR) or (n, %) | TDF/FTC n = 199 | Placebo n = 201 |
|---|--------------------|--------------------|
| Age (years) | 35 (29-43) | 34 (29-42) |
| White | 190 (95) | 184 (92) |
| Completed secondary education | 178 (91) | 177 (89) |
| Employed | 167 (85) | 167 (84) |
| Single | 144 (77) | 149 (81) |
| History of PEP use | 56 (28) | 73 (37) |
| Use of psychoactive drugs* | 85 (44) | 92 (48) |
| Circumcised | 38 (19) | 41 (20) |
| Infection with NG, CT or TP** | 43 (22) | 59 (29) |
| Nb sexual acts in prior 4 weeks | 10 (6-18) | 10 (5-15) |
| Nb sexual partners in prior 2 months | 8 (5-17) | 8 (5-16) |
| | | |

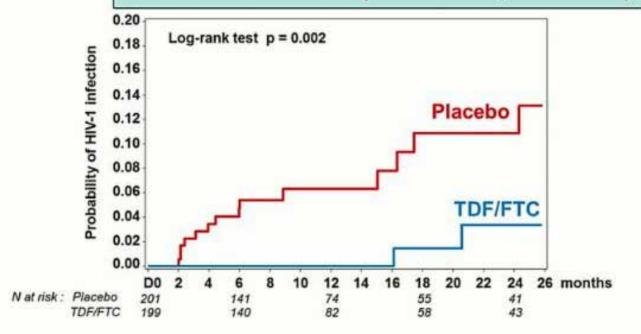
^{*} in last 12 months: ecstasy, crack, cocaine, crystal, speed, GHB/GBL



^{**} NG: Neisseria gonorrhoeae, CT: Chlamydia trachomatis, TP: Treponema pallidum



KM Estimates of Time to HIV-1 Infection (mITT Population)



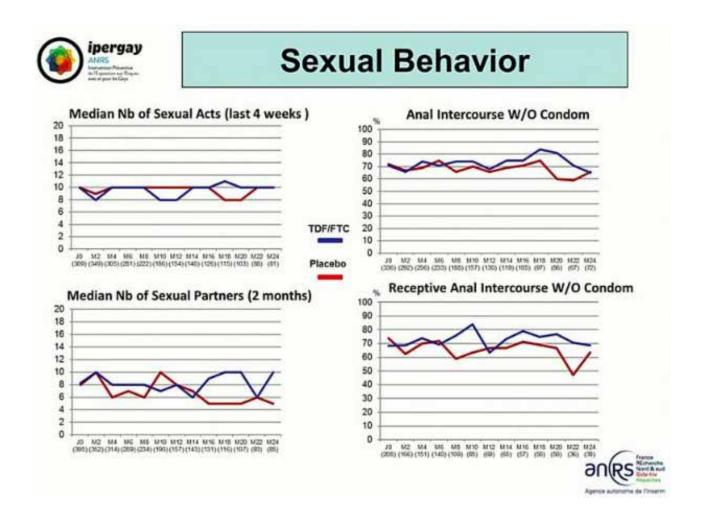
Mean follow-up of 13 months: 16 subjects infected

14 in placebo arm (incidence: 6.6 per 100 PY), 2 in TDF/FTC arm (incidence: 0.94 per 100 PY)

86% relative reduction in the incidence of HIV-1 (95% CI: 40-99, p=0.002)

NNT for one year to prevent one infection: 18







Sexually Transmitted Infections

276 STIs were diagnosed in 141 participants

| | TDF/FTC n=199 | | Plac n=: | P value | |
|-------------|------------------|-----------|-------------|-----------|------|
| | Nb Pt (%) | Nb Events | Nb Pt (%) | Nb Events | |
| Chlamydia | 43 (22) | 61 | 34 (17) | 48 | 0.23 |
| Gonorrhoeae | 38 (19) | 50 | 45 (22) | 67 | 0.42 |
| Syphilis | 19 (10) | 19 | 19 (10) | 25 | 0.98 |
| HCV | 3 (<2) | 3 | 3 (<2) | 3 | 1.00 |
| Any STI | 76 (38) | 133 | 65 (32) | 143 | 0.22 |





Adherence Assessed by CASIs

PrEP use during the last sexual intercourse

1212 sexual intercourses assessed in 319 participants

| % PrEP Use (min-max) | TDF/FTC n = 649 acts | Placebo n = 563 acts | Total % (min-max) |
|-------------------------|-------------------------|-------------------------|----------------------|
| Correct use* | 45 (36-57) | 40 (22-49) | 43 (35-51) |
| Suboptimal use | 27 (14-35) | 31 (18-44) | 29 (20-38) |
| No PrEP | 27 (15-37) | 29 (24-44) | 28 (20-38) |

^{*} According to the protocol, or at least one pill before and one pill after sex



- Median number of pills/month (IQR): 16 pills (10-23) in the placebo arm and 16 pills (12-24) in the TDF/FTC arm (p=0.84)
- 48 participants (12%) received PEP
 25 (13%) in the TDF/FTC arm and 23 (11%) in the placebo arm (p=0.73)



Adverse Events

| Nb of Participants (%) | TDF/FTC n=199 | Placebo n=201 | P value |
|-------------------------|------------------|------------------|---------|
| Any AE | 184 (92) | 178 (89) | 0.18 |
| Any Serious AE | 18 (9) | 16 (8) | 0.70 |
| Any Grade 3 or 4 AE | 17 (9) | 14 (7) | 0.56 |
| Treatment D/C due to AE | 1* | 0 | |
| Drug-Related GI AEs | 25 (13) | 11 (6) | 0.013 |
| Nausea/vomiting | 15 | 2 | |
| Abdominal pain | 11 | 4 | |
| Diarrhea | 7 | 5 | |



Lab Abnormalities

| Nb of Participants (%) | TDF/FTC n=199 | Placebo n=201 | P value | |
|------------------------|------------------|------------------|---------|--|
| Grade 1 Creatinine | 28 (14%)* | 15 (7%) | 0.042 | |
| Proteinuria ≥ 2+ | 10 (5%) | 9 (5%) | 0.83 | |
| Glycosuria ≥ 2+ | 1 (1%) | 0 (0%) | 1.00 | |
| All Grades ALAT | 33 (17%) | 26 (13%) | 0.37 | |
| Grade 3 or 4 ALAT | 1 (1%)** | 4 (4%)*** | 0.36 | |

^{* 2} Participants in the TDF/FTC arm had a transient creatinine clairance < 60 ml/mn



^{**} Acute HCV infection

^{***} Acute HCV infection in 3 and syphilis in one



Conclusions

- In this population of high risk MSM, incidence of HIV-1 infection in the placebo arm was higher than expected
- "On Demand" oral PrEP with TDF/FTC was very effective with a 86% (95% CI: 40-99) reduction in HIV-incidence
- Adherence to PrEP was good supporting the acceptability of "on demand" PrEP
- Safety of "on demand" TDF/FTC was overall similar to placebo except for gastrointestinal AEs
- No evidence of risk compensation
- On demand PrEP: attractive alternative to daily PrEP in high risk MSM who do not use condoms consistently

Pre-exposure prophylaxis to prevent the acquisition of HIV-1 infection (PROUD): effectiveness results from the pilot phase of a pragmatic open-label randomised trial

Sheena McCormack*, David T Dunn*, Monica Desai, David I Dolling, Mitzy Gafos, Richard Gilson, Ann K Sullivan, Amanda Clarke, Iain Reeves, Gabriel Schembri, Nicola Mackie, Christine Bowman, Charles J Lacey, Vanessa Apea, Michael Brady, Julie Fox, Stephen Taylor, Simone Antonucci, Saye H Khoo, James Rooney, Anthony Nardone, Martin Fisher, Alan McOwan, Andrew N Phillips, Anne M Johnson, Brian Gazzard, Owen N Gill

Rationale

- To determine whether PrEP worked as well as iPrEx in this setting (44% reduction in HIV)
- Why might effectiveness be less in real world?
- Adherence less
 - trial schedules monthly
 - well resourced for adherence support
- Behaviour riskier
 - participants constantly reminded that they could be on placebo, and that effectiveness was unknown
 - well resourced for behaviour change interventions

PROUD Pilot



GMSM reporting UAI last/next 90days; 18+; and willing to take a pill every day

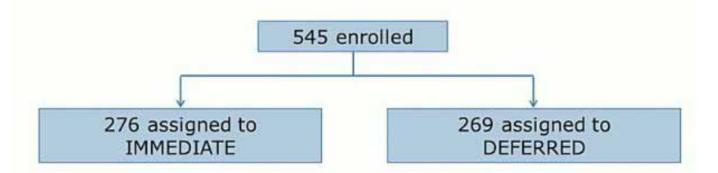
Randomize HIV negative MSM (exclude if treatment for HBV/Truvada contra-indicated)

Risk reduction includes Truvada **NOW** Risk reduction includes
Truvada AFTER 12M

Follow **3 monthly** for up to 24 months

Main endpoints in Pilot: recruitment and retention From April 2014: HIV infection in first 12 months

Participant randomization



Baseline demographics1

| Characteristics | | Immediate | Deferred | |
|-------------------------|-------------------------|--------------|--------------|--|
| Age, median (I | QR) | 35 (30 - 43) | 35 (29 - 42) | |
| Ethnicity | White | 80% | 82% | |
| Born UK | No | 40% | 40% | |
| Education | University | 59% | 60% | |
| Employment | Full-time | 70% | 73% | |
| Sexuality | Gay | 96% | 94% | |
| Current relation | nship No | 53% | 55% | |
| Recreational dr | ug use ² Yes | 76% | 64% | |

 $^{^{1}}$ 539/545 (99%) questionnaires returned 2 in the last 90 days

HIV Incidence

| Group | No. of infections | | Incidence (per 100 PY) | 90% CI |
|-----------|-------------------|-----|---------------------------|----------|
| Overall | 22 | 453 | 4.9 | 3.4-6.8 |
| Immediate | 3 | 239 | 1.3 | 0.4-3.0 |
| Deferred | 19 | 214 | 8.9 | 6.0-12.7 |

Efficacy =86% (90% CI: 58 - 96%)

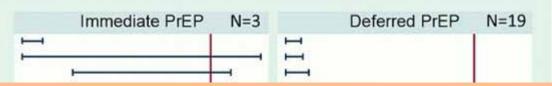
P value = 0.0002

Rate Difference = 7.6 (90% CI: 4.1 - 11.2)

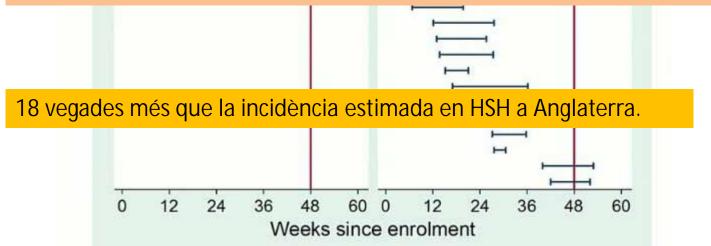
Number Needed to Treat

13 men (90% CI 9–23) would need access to 1 year of PrEP to avert one HIV infection.

Individual incident HIV infections



Three HIV infections occurred in the immediate group (1·2/100 person-years) versus 20 in the deferred group (9·0/100 person-years)



No serious adverse drug reactions; 28 adverse events, most commonly nausea, headache, and arthralgia, resulted in interruption of PrEp.

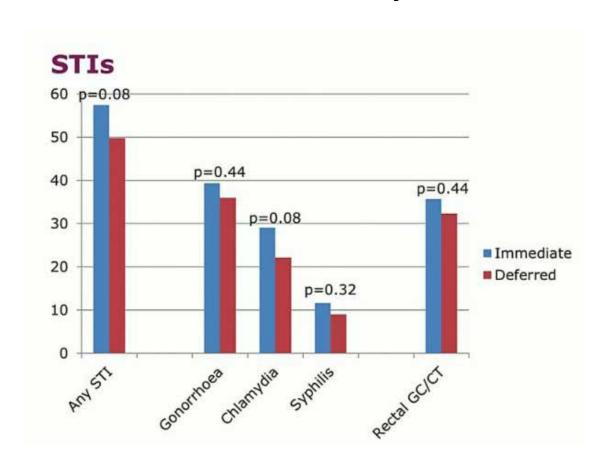
PrEP interruptions for medical event

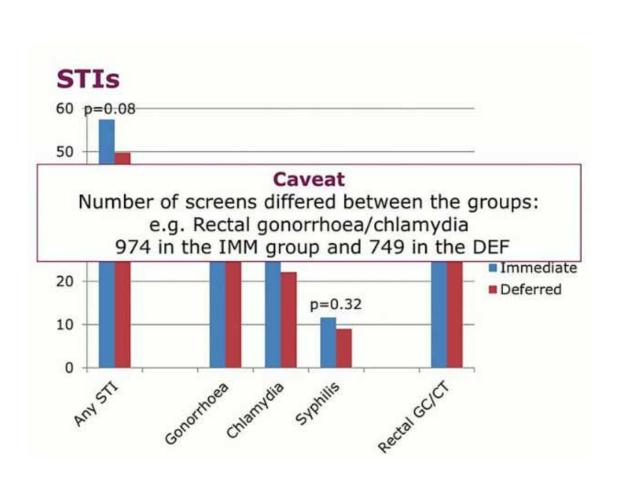
- PrEP interrupted by 28 participants (both groups) but only 13 had events considered related to drug:
 - nausea alone or with diarrhoea/abdominal pain/aches and fatigue (n=5)
 - decline in creatinine clearance (n=2)
 - headache (n=2)
 - joint pain, with fatigue in one case (n=2)
 - sleep disturbance (n=1)
 - flu-like illness (n=1)
- PrEP re-started by 11 of 13 participants above

Drug Resistance

- 3 of 6 individuals who were seroconverting around baseline (immediate group) or month 12 (deferred group) developed M184V/I mutations (as a mixture with wild type)
- K65R was not detected

No difference in the occurrence of sexually transmitted infections





Reported sexual behaviour (preliminary)

| Anal sex partners in last 90 days BASELINE n=539 | Immediate Median (IQR) | Deferred Median (IQR) |
|---|---------------------------|---------------------------------|
| Total number of partners | 10.5 (5-20) | 10 (4-20) |
| Condomless partners, participant receptive Condomless partners, participant insertive | 3 (1-5) 2.5 (1-6) | 2 (1-5) 3 (1-7) |
| | | |

A suggestion of risk compensation among some PrEP recipients.

Conclusions

- HIV incidence in the population who came forward to access PrEP was much higher than predicted based on all MSM attending sexual health clinics
- Despite extensive use of PEP in the deferred period
- Our concerns about PrEP being less effective in the real world were unfounded
- MSM incorporated PrEP into existing risk reduction strategies which continued to include condom use
- There was no difference in STIs, which were common in both groups
- Clinics were able to adapt routine practice to incorporate PrEP

Cost-efectivitat

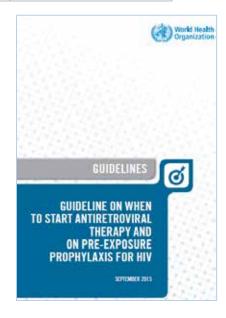
Cost-efect en HSH

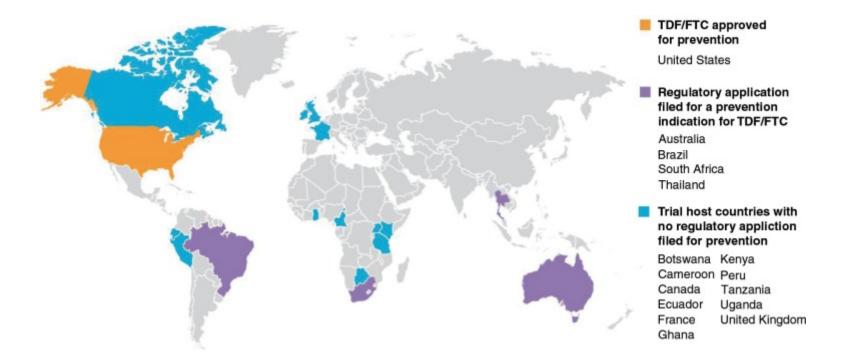
• "A demanda" 1/2 dosis

- Fin patenteTruvada: 2018
 - Autoritzat en cARV
 - Ús off label en PPE

Guideline on when to start antiretroviral therapy and on pre exposure prophylaxis for HIV

| Recommendation 2: Oral pre-exposure prophylaxis to prevent HIV acquisition | | | | | |
|---|--|--------------------------------|-------------------------|--|--|
| Target population | Specific recommendation | Strength of the recommendation | Quality of the evidence | | |
| HIV-negative individuals at substantial risk of HIV infection ^b | Oral PrEP (containing TDF) should be offered as an additional prevention choice for people at substantial risk of HIV infection as part of combination prevention approaches | Strong | High | | |





PrEP in USA

 FDA approved the use of tenofovir/emtricitabine (Truvada™) for PrEP in July 2012, but clinicians have been slow to implement its use in clinical practice.

 The CDC and the USPHS released the first official clinical practice guidelines on the use of PrEP in May, 2014



the WHITE HOUSEPRESIDENT BARACK OBAMA

The White House Office of the Press Secretary For Immediate Release July 30, 2015

FACT SHEET: The National HIV/AIDS Strategy: Updated to 2020

Goal 1: Reducing New HIV Infections

Goal 2: Increasing Access to Care and

Improving Health Outcomes for People Living

with HIV

Goal 3: Reducing HIV-related Disparities and

Health Inequities

Goal 4: Achieving a More Coordinated National

Response

HIV prevention

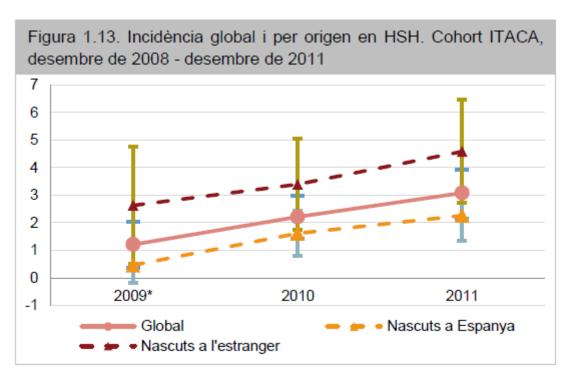
Substantial risk of HIV infection is defined by an incidence of HIV infection in the absence of PrEP that is sufficiently high (>3% incidence) to make offering PrEP potentially cost-saving (or cost-effective).

Offering PrEP to people at substantial risk of HIV infection maximizes the benefits relative to the risks and costs.

People at substantial risk of HIV infection are present in most countries, including some (but not all) people identified with key and vulnerable populations and some people not so identified.

$HIV\ incidence\ rate\ in\ people\ undergoing\ HIV\ testing,\ by\ different\ variables,\ EPI-VIH\ Study,\ Spain,\ 2000-09\ (n=30,679)$

| Variable | Number of persons tested | Number of seroconversions | Person-years | Incidence rate ^a (95% CI) |
|----------------------------|--------------------------|------------------------------|--------------|--------------------------------------|
| Sex | | | | |
| Male | 15,672 | 601 | 34,086.2 | 1.8 (1.6 to 1.9) |
| Female | 14,840 | 36 | 29,588.1 | 0.1 (0.09 to 0.2) |
| Transgender women | 167 | 5 | 429.8 | 1.2 (0.5 to 2.8) |
| Age group (years) | | | | |
| <20 | 1,193 | 14 | 1,051.2 | 1.3(0.8 to 2.3) |
| 20-24 | 6,899 | 88 | 9,595.1 | 0.9 (0.7 to 1.1) |
| 25-29 | 8,071 | 163 | 15,886.3 | 1.0 (0.9 to 1.2) |
| 30-34 | 6,304 | 163 | 14,737.5 | 1.1 (1.0 to 1.3) |
| 35-39 | 4,065 | 132 | 10,826.6 | 1.2 (1.0 to 1.5) |
| 40-44 | 2,126 | 50 | 6,178.0 | 0.8 (0.6 to 1.1) |
| 45-49 | 1,015 | 19 | 2,974.2 | 0.6 (0.4 to 1.0) |
| >50 | 1,006 | 13 | 2,855.2 | 0.5 (0.3 to 0.8) |
| Region of birth | | | | |
| Spain | 15,970 | 423 | 33,340.2 | 1.3 (1.2 to 1.4) |
| Westernb/Eastern Europe | 1,912 | 29 | 3,224.5 | 0.9 (0.6 to 1.3) |
| Latin America | 9,796 | 121 | 19,999.2 | o.6 (o.5 to o.7) |
| Sub-Saharan/ North Africa | 1,132 | 8 | 1,901.6 | 0.4 (0.2 to 0.8) |
| Other | 167 | 6 | 250,4 | 2.4 (1.1 to 5.3) |
| HIV transmission category | | | | |
| PWID or ex-PWID | 884 | 32 | 2,016.1 | 1.6 (1.1 to 2.2) |
| MSM | 8,492 | 529 | 21,181.0 | 2.5 (2.3 to 2.7) |
| Heterosexual men and women | 10,500 | 23 | 17,914.2 | 0.1 (0.09 to 0.2) |
| Female sex worker | 9,808 | 16 | 21,027.9 | 0.1 (0.05 to 0.1) |
| MSM sex worker | 549 | 39 | 1,311.0 | 3.0 (2.2 to 4.1) |



^{*} Inclou dades de desembre 2008

93.8% casi siempre o siempre usan preservativo

Cohort saunes. ASPB

- HSH
- 2007-
- Incidència (2014): 2.7 casos/100 persones-any (IC 1.8-3.8)

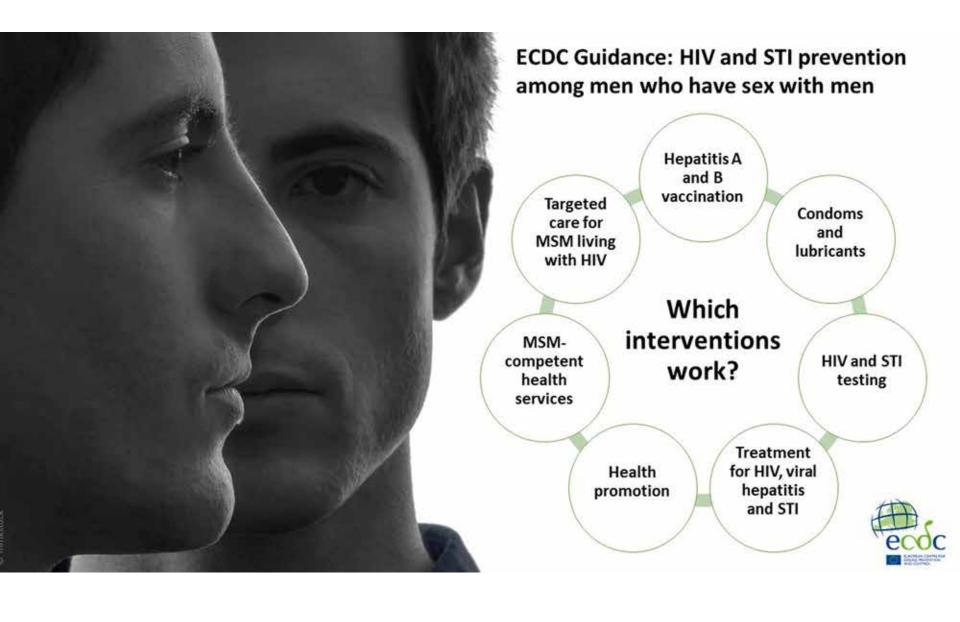
P079 Knowledge and willingness to use pre-exposure prophylaxis among men who have sex with men in Spain

Laia Ferrer Serret¹, Cinta Folch¹, Percy Fernández-Dávila¹, Josefina Belda², Antonio Susperregui³, Adriana Morales⁴ and Jordi Casabona¹ ¹CEEISCAT, Spain; ²UPS-ITS, Spain; ³ADHARA, Spain; ⁴STOP SIDA, Spain

866 MSM HIV-negatives aged 18 years
Paper-and-pencil and online version of a questionnaire

29% of men knew PrEP, 57.6% intent to use it, 16.6% did not intent and 26% hesitated Men knowing about PrEP had more doubts about its use.

Having access to VCT centres was associated with knowledge of PrEP



EACS guidelines, Octubre 2015

- Recommended in HIV-negative men who have sex with men (MSM)
 and transgender individuals who are inconsistent in their use of
 condoms with casual partners or with HIV-positive partners who are
 not on treatment. A recent STD or use of post-exposure prophylaxis
 may be markers of increased risk for HIV acquisition.
- May be considered in HIV-negative heterosexual women and men who are inconsistent in their use of condoms and likely to have HIV positive partners who are not on treatment.



PrEP regimen

TDF/FTC 300*/200 mg 1 tablet qd. For MSM with high-risk sexual behavior PrEP may be dosed 'on demand' (double dose of drug 2-24 hours before each sexual intercourse, followed by two single doses of drug, 24 and 48 hours after the first drug intake). If dosed 'on demand', the total dose per week should not exceed 7 tablets.





- No estem preparats
- Cóm integrar-lo amb la resta de serveis: ¿final del sexe segur?
- Cost: fàrmacs, analítiques, DMO, cribratges ITS, professionals...¿és assumible per Salut Pública?
- Durada? Cada dia? Intermitent? Abans de relació de risc?

Queda pendent

Com: implementació

On i qui: Atenció Primària? UVIH? UITS? ONG?

Amb quins recursos

Conclusió

- Alt nivell d'evidència de la eficàcia de PrEP en població d'alt risc i adherent
- Bona tolerància, baix risc de resistències i no compensació de risc
- Manca d'explorar nous fàrmacs i formulacions
- Pendent definir i avaluar la implementació al nostre entorn
- Pendent avaluar la eficiència a a llarg termini a la vida real