

Actualités des IST



Pr Eric
Caumes,
Sorbonne
Paris
Hal Hotel-
Dieu

Pharo,
5/10/2023

Conflits d'Interet

- Au cours des trois dernières années, j'ai reçu des honoraires de **Takeda**, et **Valneva**, pour des participations à des comités scientifiques (vaccins dengue et chikungunya)
- Pas de liens relatifs au VIH et antirétroviraux
- Age > 65 ans (generation sida)

Pr. Éric Caumes

SEXE LES NOUVEAUX DANGERS DANGERS LES NOUVEAUX SEXE

BOUQUINS

document

« Les dérives de la PrEP sont une porte ouverte à l'émergence de nouvelles maladies »

Propos du Pr Eric Caumes dans l'Express le 23/10/2022



La PrEP est un traitement préventif contre le VIH, à prendre avant et après un rapport sexuel. Propager de fausses informations sur la PrEP c'est se rendre complice du VIH-sida !

La SFLS va-t-elle condamner ces propos ?

IST. Juillet 2023. OMS.

- IST > 30 bactéries, virus et parasites
- Trans mère enfant (gross, accouch, lait).
- Tt possible 4/8: Tp, Ng, Ct, Tv
- Incurable 4/8: HBV, HSV, HPV, VIH
- Apparition de Nelles IST: Mpox, (S.sonnei, N.meningitidis), Ebola et Zika
- Réapparition d'IST négligées (LGV)
- Defis croissants pour prévention et lutte

**Ré-émergence des IST
classiques (syphilis,
gonocoque): allure de
la courbe ??**

IST. Juillet 2023. OMS

- > un Million d'IST acquise chaque jour
- En 2020 (/2016), 374 M de pers avec : Tv (156 M)(+ 13 M), Ct (129 M)(- 2M), Ng (82 M)(+ 4M), syphilis (7 M)(+ 1,4M),
- 500 M de pers avec HSV génital
- 311.000 morts par cancer du col (HPV-)
- 1 M F. enceintes Syphilis (350.000 NN)
- Profondes répercussions sur la santé sexuelle et reproductive dans le monde.

UK: Gonorrhoea and syphilis at record levels in 2022

- N.gonorrhoeae diagnoses (82,592 in 2022),
 - + 50.3% vs 2021 (54,961)
 - + 16.1% vs 2019 (< COVID-19 pandemic)
 - Highest number since records began in 1918
- infectious syphilis diagnoses (8,692 in 2022),
 - + 15.2% vs 2021 (7,543)
 - + 8.1% vs 2019 (< COVID-19 pandemic)
 - Largest annual number since 1948
- In 2022, > 400 Dg STIs each day (15-29 yo)

**Ré-émergence
des IST classiques
(Syphilis, gono....)**

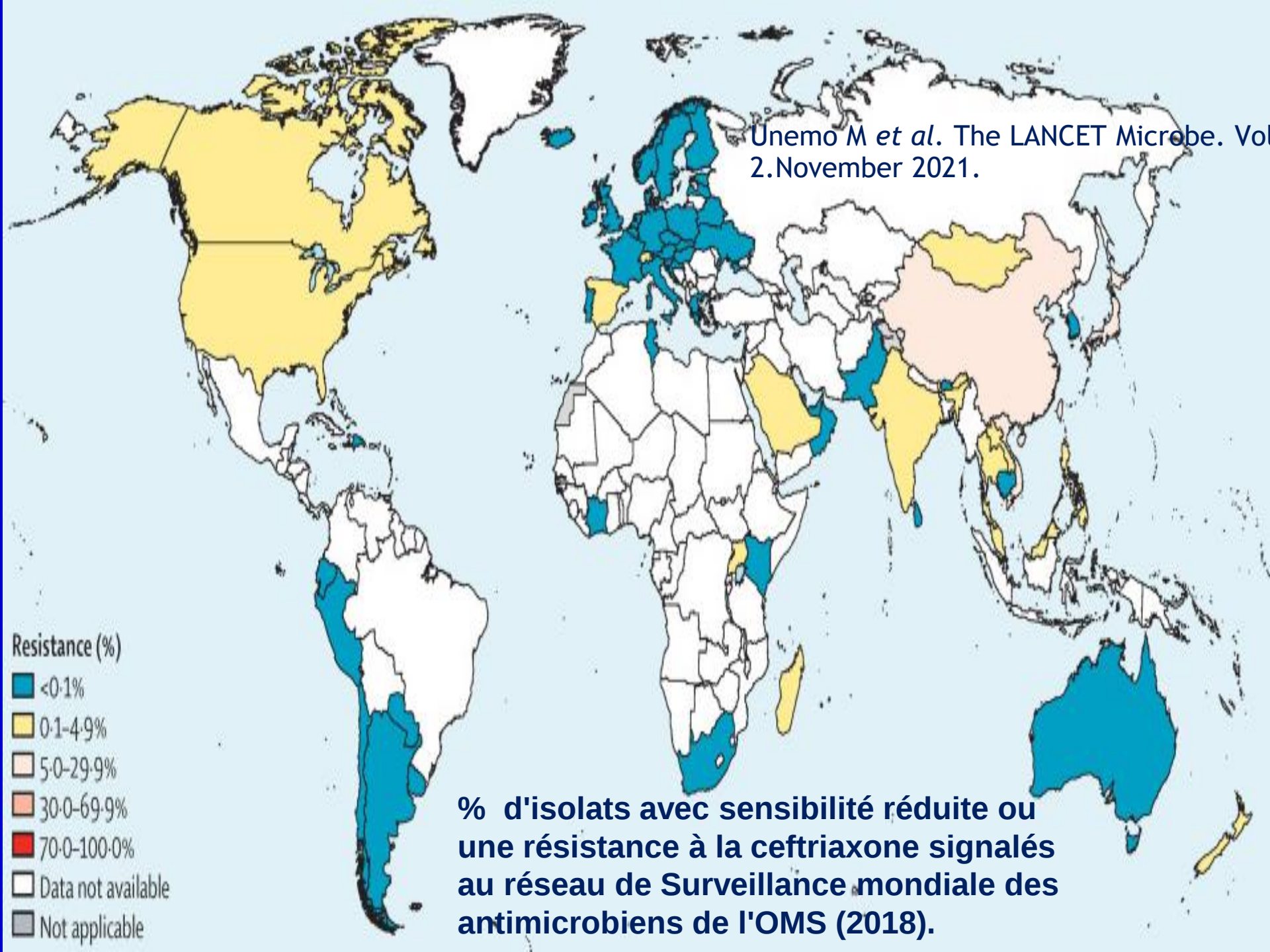
**avec des formes
cliniques graves et
des séquelles....**

IST. Juillet 2023. OMS

- Certaines IST (HSV, Ng, Tp)  VIH
- Transm mère - enfant : mortinaissance, décès NN, faible Pds de naissance, prématurité, septicémie, conjonctivite NN, malformations congénitales.
- HPV : cancers (utérus, ORL, anal)
- HBV : 820 000 décès (2019)
- IST (Ng, Ct) : stérilité chez les femmes.

**Résistance croissante
aux antibiotiques (vers
le gonocoque et le
M.genitalium XDR)**

Unemo M *et al.* The LANCET Microbe. Vol
2.November 2021.



UK: 10 Ceftr-R N.gonorrhoeae incl 9 travelers (WGS)

- 12/2021- 6/2022 : 10 cases (vs 9 during < 6 years)
- 5 F, 5 M (all HS). Ceftriaxone-R (MIC = 0.5; 0.25-1)
- Tt with Ceftr 1 gr (10 pts) & azithromycin 2 g (2 pts).
- 1/10 Non-Trav F, from As UK-SP (ST1901),
- 9/10 trav: 8 to UK, 1 from UK. All “Asia Pacific (AP)”
 - 1M (UD), from a SP in “AP country” (ST16406), with UD & Oral culture + w/out oral sex: kissing may be a potential route of transmission to the oropharynx
 - 4M (UD), 4 F (As) from “same AP country” (ST8123)
 - AP ? : China, Vietnam (8 PS), Thailand, Cambodia (1M)

XDR *N.gonorrhoeae* in an Austrian traveler to Cambodia

- 4/2022, Austrian M (HS) gonorrhoea (UD) after sexual intercourse with a FSW in Cambodia.
- Ceftriaxone-R + high-level azithromycin-R
- Ceft (1 g) + azithro (1.5 g) « possibly failed ».
- 2nd strain in an Asian *N.gonorrhoeae* genomic sublineage including high-level azithromycin-resistant strains that developed ceftriaxone resistance by acquisition of mosaic penA-60.001

Ceftr-R *N.gonorrhoeae* in the SP of a French traveler to Vietnam

- 6/2022. F (Hs), France. Unprotected sex with regular SP (urethritis > travel to Vietnam).
- Ceftriaxone-R (MIC = 0,5). WGS identified MLST ST1901, NG-STAR CC-199, and the novel mosaic penA-237.001 which caused ceftr- R (98.7% identical to penA-60.001)
- Successfully treated with azithromycin 2 g

Découverte du mode ST de NTD

4

(Ebola, Zika, Monkey
pox) qui peuvent se
transmettre des mois
après guérison (Ebola)

Map Figure 1b: Distribution of all cases of mpox, European Region, TESSy, 2022–2023, ECDC
borders



[Downloads/monkeypox_euro_ecdc_draft_jointreport_2023-08-10.pdf](#)

Geographical distribution of cumulative confirmed mpox cases per 1 000 000 population in the EU/EEA, Western Balkans and Türkiye, as of 10 Aug 2023

- ≥100 cases per 1 000 000
- 50–99 cases per 1 000 000
- 10–49 cases per 1 000 000
- < 10 cases per 1 000 000
- No reported cases
- Not included

Countries not visible in the main map extent

- Malta
- Liechtenstein

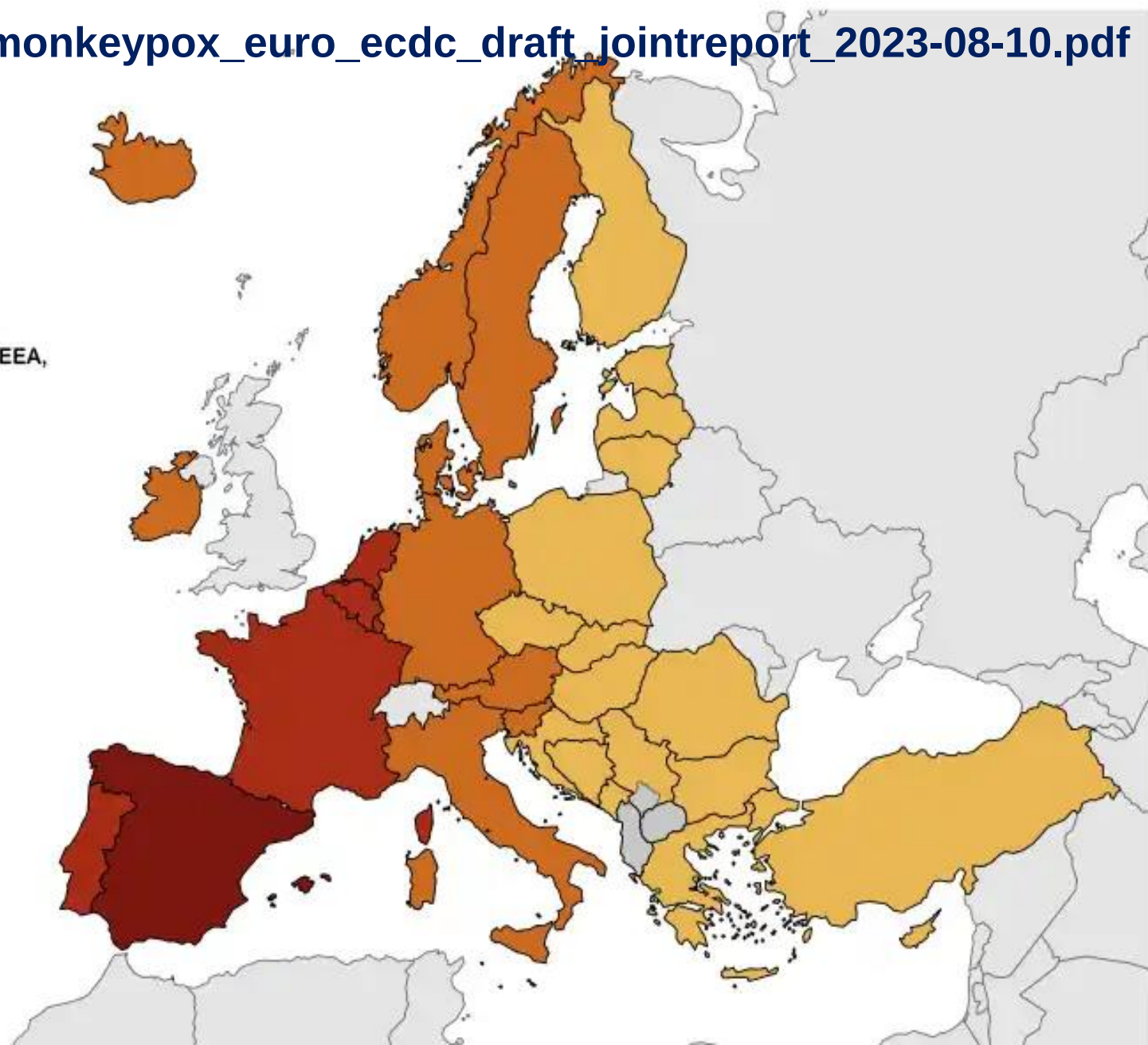
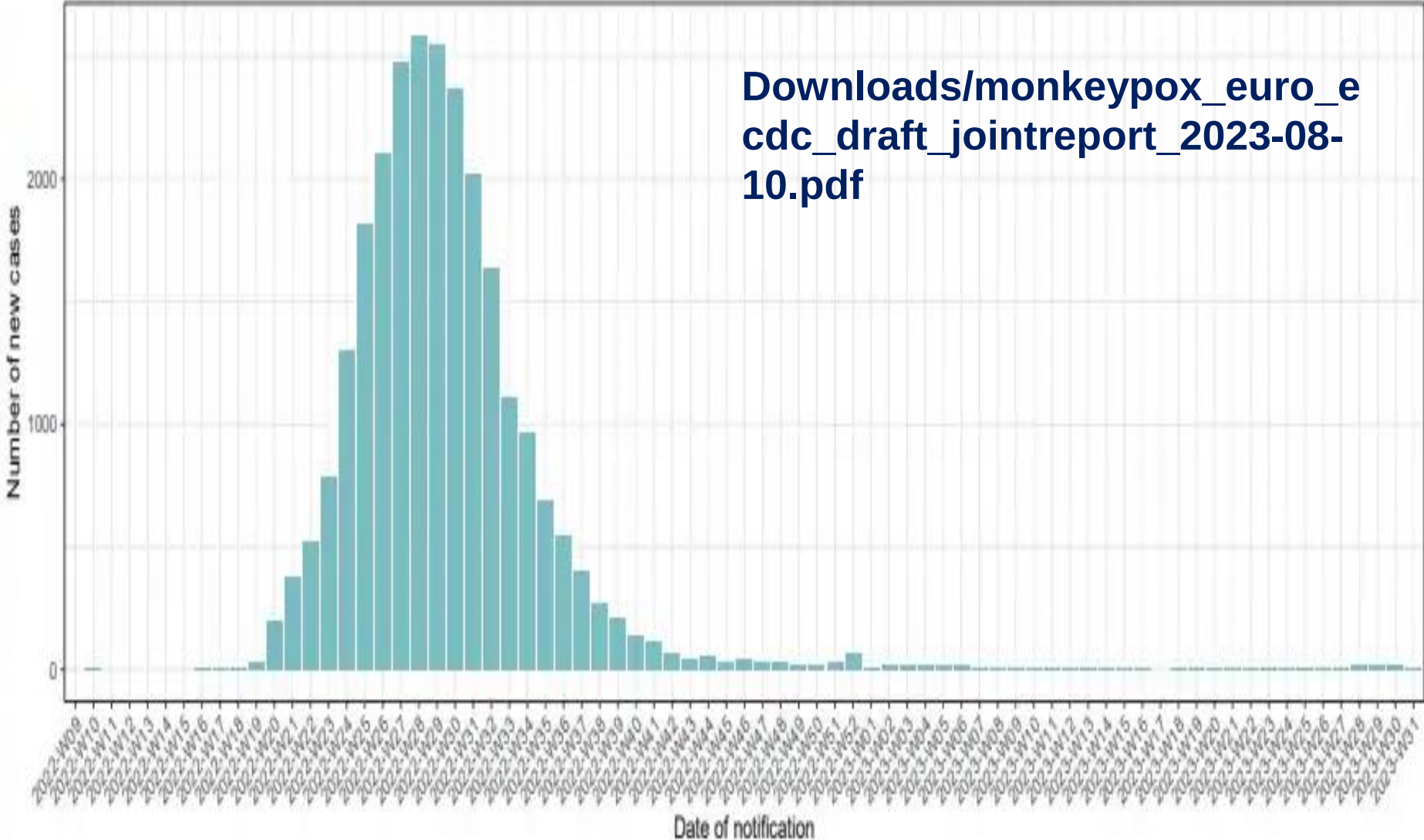
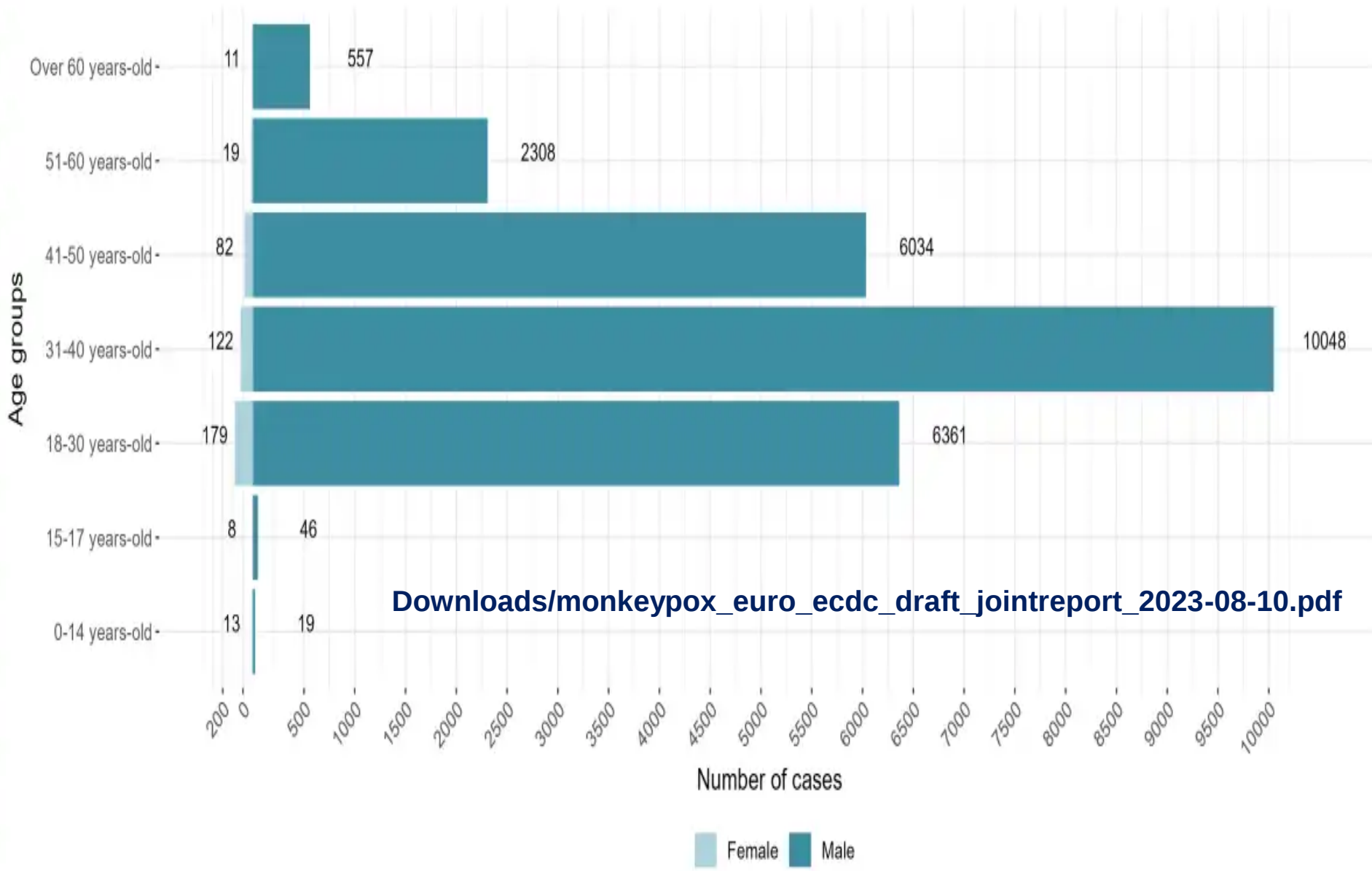


Figure 2: Overall number of cases of mpox, per date of notification, European Region, TESSy, 2022-2023



[Downloads/monkeypox_euro_e_cdc_draft_jointreport_2023-08-10.pdf](#)

Figure 7: Age and gender distribution of cases of mpox, European Region, TESSy, 2022–2023



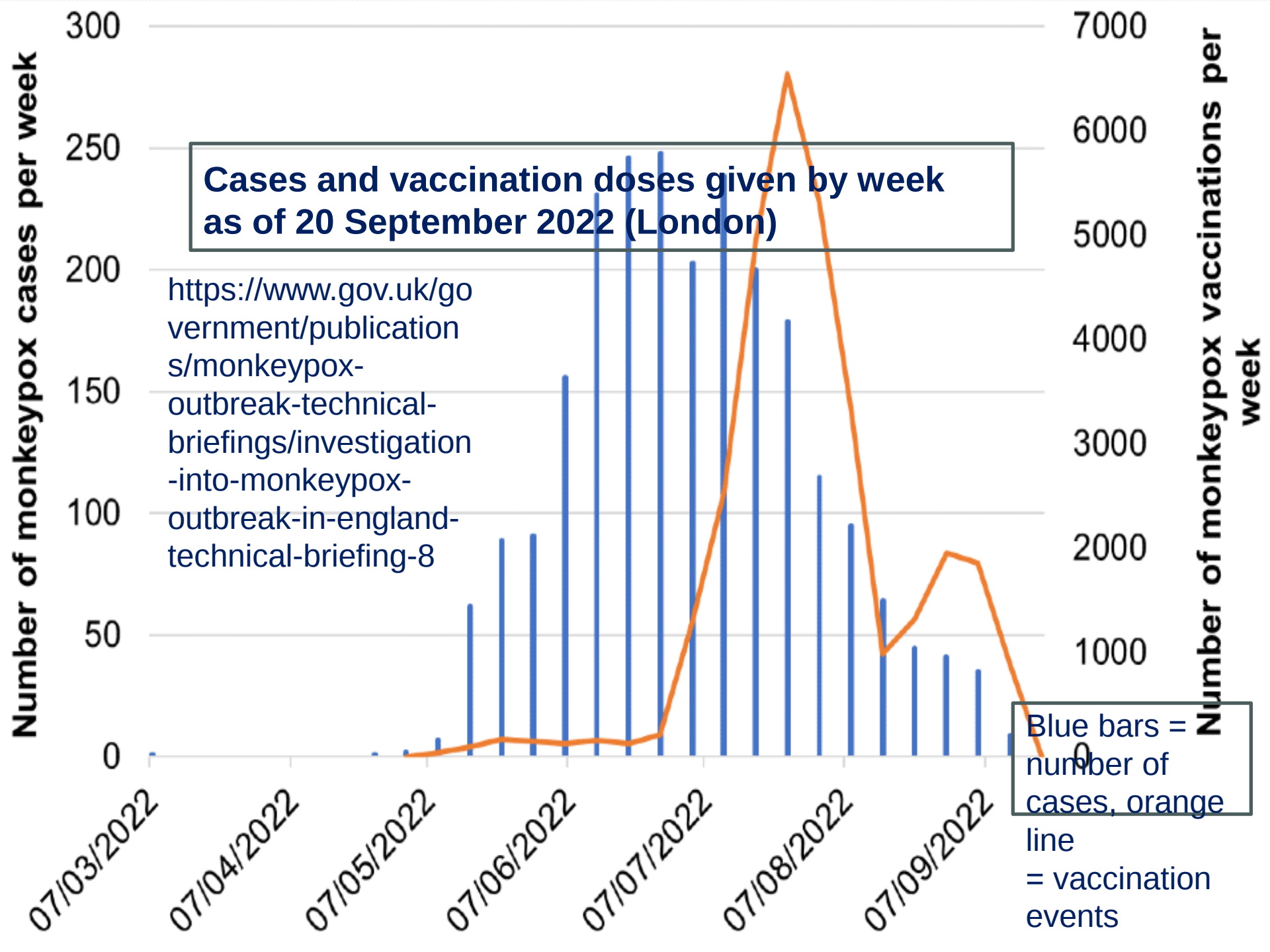
Epi variables in confirmed mpox, England (18/9/2022. N=1050)

Epidemiological data	n/N	Result
Gay, bisexual, or MSM	983/1016	96.8%
STI < last year	542/1029	52.7%
4-9 SP < last 3 months	354/1035	34.2%
> 10 SP < last 3 months	299/1035	28.9%
Living with HIV	257/993	25.9%
Ever used PrEP (HIV -)	555/721	77%

<https://www.gov.uk/government/publications/monkeypox-outbreak-technical-briefings/investigation-into-monkeypox-outbreak-in-england-technical-briefing-8>

16140 Mpx cases, Europe, 22–23

- Any type of skin rash : 96%
- SS (fever, fatigue, pain, chills,... 68%
- Skin/mucosal lesion (excl OAG areas): 50%
- Anogenital lesions: 49%
- Localized lymphadenopathy : 32%
- Rash of unknown localization: 21%
- Hospitalised : 825 (7%), Clin care : 277 (1%)
- Admitted to ICU : 8 (0,05%); died : 7 (0,04%)



Strategies adopted by US MSM to prevent MKP transmission

- 824 responders, US MSM, August 2022
- 70% White, 50% < 45 years, 18% vaccinated against MPX, 44% taking PrEP
- Reduction of the number of SP (47%), one-time sex encounters (49%), sex with SP met on dating apps (49%), group sex (50%), attendances at sex venues or social events (41%)

Investigation into mpox outbreak in England: technical briefing 8 (Updated 23/9/2022)

- It is likely that multiple factors, including but not limited to vaccination, are contributing to the decline in transmission (moderate confidence).
- Reduction in some other sexually transmitted infections, as well as modelling, suggests behavioural modification may have been a factor (low confidence).

**La diversification du
répertoire sexuel /
cumul des risques
(oral, anal, sang...)**

MDR Shigella in MSM, 2016-2023

- > April 2023, > 300 shigellosis (MDR S.sonnei)
- 7 national & international clusters,
- Chains of transmission largely in gbMSM.
- USA (106), Spain (> 60), Belgium (26), Denmark (13), Germany (33), Ireland (50)...
- Most cases (2022–2023) - started in 2016
- Resistance 1st & 2nd line AB : 3rd Generation CSP, FQ, SMX, TMP + azithromycin-R in some strains
- Risk in gbMSM increases with the number of sexual contacts (Pride, international events).

Prevention of Shigella in SP

- “practice safer sex and ensure good personal hygiene.*”
- If GI symptoms: refrain from sexual activity, extra attention to personal hygiene, seek healthcare to get tested for GI pathogens and other STIs (inform that the infection may have been acquired through sex), not handle or prepare food in catering establishments, avoid using public pools, spas...
- If shigellosis: avoid sexual activity (at least 7 days after symptoms have completely disappeared), avoid oral-anal sex for (4-6 weeks)

*: gloves for fingering or fisting, dental dams during oral-anal sex, changing condoms between anal and oral sex, not share sex toys, ensure proper cleaning and disinfection after their use and between partners, wash hands, genital and anal areas before and after sexual contact.

<https://www.ecdc.europa.eu/en/news-events/spread-multidrug-resistant-shigella-eueea-among-gay-bisexual-and-other-men-who-have-sex>

La prevention des IST change diversifiée

6

- Plus de promotion du safer sex
- Moins de promotion du préservatif
- Promotion de la PrEP po VIH, et P(r)EP po syphilis, *Chlamydia trachomatis*
- Promotion de « Test and treat »

**BE SURE
BEFORE YOU
SHOOT!**

**+ USE PrEP
+ FREE HIV TEST
+ FREE CONDOM
+ Emergency PEP**

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Bangkok, Silom Road 30 August 2017

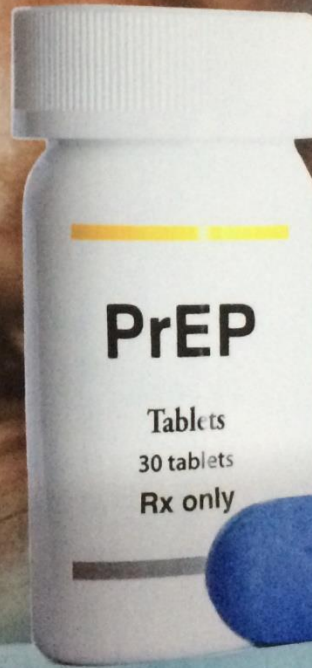


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ARTWORK DESIGNED AN



"PREP: A PILL A DAY THAT KEEPS HIV AWAY,
SCIENCE GOD SENT FROM ABOVE"

PREVENTION
TREATMENT
RESEARCH

Bangkok, Silom Road 2nd September 2018



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++ SYPHILIS TESTING*

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Silom
Road

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AND PARTY ON...
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SEE IT CLEARLY 2020

PrEP

BETTER THAN A
CONDOM

* HIV risk reduction

Method	HIV risk reduction
PrEP	99+%*
Condom	72-91%*

GET tested at
PULSE
CLINIC

November
2019
(pre covid-
19 area



Pulse clinic, Bangkok, Phayathai, Juin 2023

**Ma conclusion de l'an
dernier qui était celle de
l'année d'avant sera
encore celle de cette
année**

Dans le contexte actuel....

1. Retour des IST (Syphilis, gono....)
- 2.... et des formes graves avec séquelles
3. R.croissante AB (XDR Ng, Mg, Tp ?),
4. Mal Inf Emerg (Ebola, Zika, Mpox) ST
5. Pratiques sexuelles (diversification)
6. Prevention IST – diversifiée - PrEP

**.... ne pas croire en la répétition de
l'histoire est dangereux**

Cabbages and condoms, Bangkok, Sukkumvit, 1980s



**NO GLOVE
NO LOVE !**

**Merci pour votre
attention**