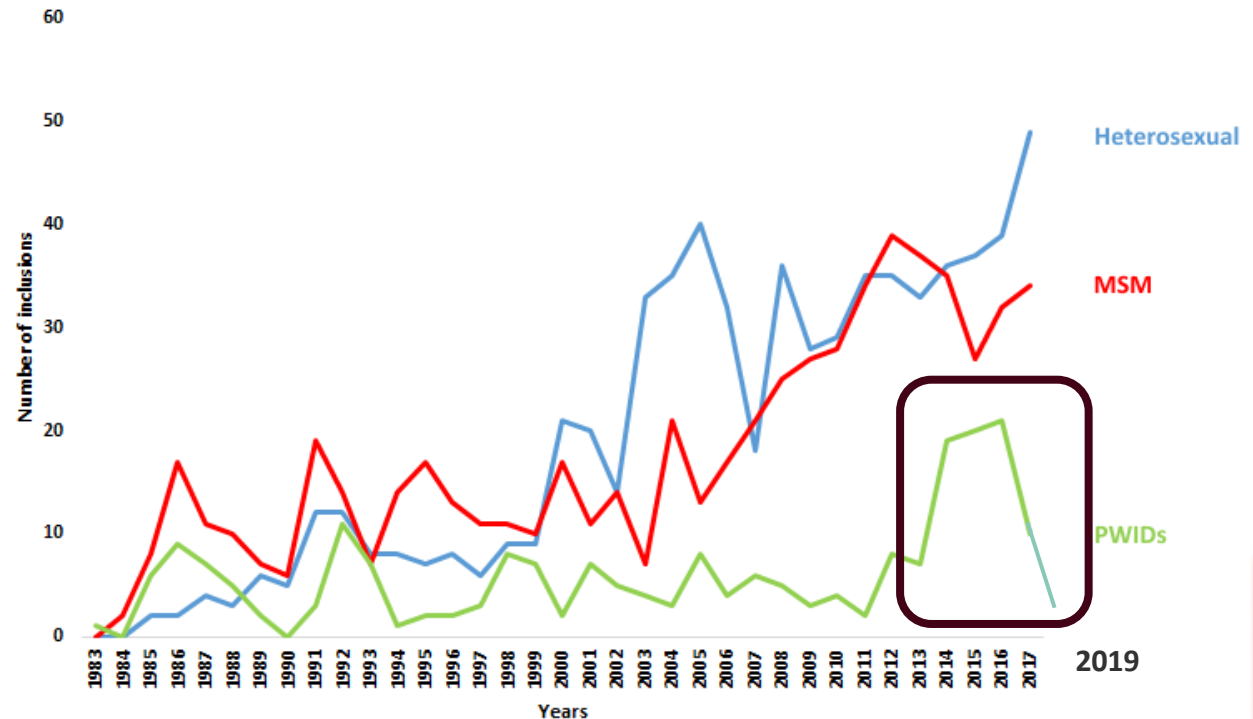


The HIV outbreak in PWID from Luxembourg

68 PWID infected with HIV among 1,500 estimated PWID.
Average of less than 10 cases among PWID per year prior to the outbreak in 2013.



HIV outbreak driven by cocaine injection (Injection of cocaine is associated with a recent HIV outbreak in People Who Inject Drugs in Luxembourg, Arendt V et al, Plos one 2019)

One third of women, effect of sexual transmission ? RDS study designed

Measures

Location	Surveillance of new PWID cases (to identify outbreak)?	Estimate of PWID population done?	Changes in drug use patterns/ drugs used by PWID?	Contact Tracing Investigation Done?	Increase in HIV testing for high risk populations/ PWID?	Cohort study conducted to examine incidence and risk factors?	Case control/cross sectional study conducted to examine risk factors/ associations?	Qualitative interviews conducted with stakeholders?	Phylogenetic analysis conducted on cases?
Luxembourg	Yes	Yes (N=1500)	Yes	No	Yes	No	Yes	Yes	Yes

HIV outbreaks among people who inject drugs in Europe, North America, and Israel
[Don C Des Jarlais et al, HIV Lancet 2020](#)

Public Health Response/Current situation: Increased access to HIV testing, improved awareness of HIV infection in PWID and among drug center personnel, together with prompt access to antiretroviral therapy were actively used to contain the outbreak (phylogenetic analysis). 82% of the 68 new HIV cases were under ART and 73% had an undetectable viral load in December 2017. Increase in syringe provision in 2017 among PWID along with opening facility for drug consumption in southern Luxembourg. Outreach projects launched aimed at reaching marginalized drug users with poor contact with care programs. Incidence is stabilized since 2018 to the pre-outbreak level in 2012.