

ANNEX:

Exposure variables during the 21 days pre symptom onset (dichotomous unless stated): condom use in casual sex, contact with a confirmed case, sex in private leisure venues, sex in public leisure venues, sexualized drug use (chemsex), attendance at mass events, enrolment in the PrEP program; number of sexual partners (none, one, 2–4, 5–9, ≥ 10).

Exposure variables during the 21 days pre symptom onset	Definition
Condom use in casual sex	Condom use with an occasional partner or with multiple occasional partners. The original questionnaire assessed this variable using a five-point Likert scale with the following options: None, almost never, occasionally, almost always and always.
Close contact with a confirmed case	Definition of close contact according to the Spanish protocol for early mpox detection and management: Exposure to a case from symptom onset (or 1 day before rash) involving unprotected contact with body fluids, lesion tissue, clothing/bedding/fomites; sexual contact or cohabitation; prolonged unprotected exposure <1 m (>4 h, case-by-case if no physical contact); healthcare or lab exposure without appropriate Personal Protective Equipment (PPE); or contact with the body or belongings of a deceased MPX case without PPE (23).
Sex in private leisure venues	Privately accessible leisure spaces where people gather in generally enclosed environments.
Sex in public leisure venues	Sex in public leisure venues, excluding mass-participation events.
Chemsex	Intentional use of drugs to have sex over a long period of time among gay, bisexual, and other men who have sex with men (1). The original questionnaire assessed this variable using the following options: No; Yes, in a public place; Yes, in a private place.
Attendance at mass events	Events characterized by the concentration of people at a specific location for a specific purpose over a specific period of time and have the potential to strain the planning and response resources of the country or community regardless of the event's size. The ability to manage these gatherings varies by location, and even smaller events can pose risks depending on the activities involved. These gatherings can be public or private, planned or spontaneous, and may include events like sports, religious, cultural or political activities (2).
Number of sexual partners	In the original questionnaire, this variable was obtained via an open-ended question, allowing participants to provide unrestricted responses. After collection, this variable was recoded into five categories based on responses to enable subsequent analysis: None, one, 2–4, 5–9, ≥ 10 .

REFERENCES

1. Ministerio de Sanidad. Abordaje del Fenómeno del Chemsex. Informes, Estudios e Investigación. Secretaría del Plan Nacional sobre el SIDA. 2020;149.
2. Doherty M, Franklin J, Restrepo MH, Padiyara P, Soro L, Htike MM, et al. Gatherings in the context of the 2024 mpox outbreak : Public health guidance. 2024;