**Supplementary material 1**. Questionnaire used for in-depth interviews with confirmed MPX cases.

MONKEYPOX EPIDEMIOLOGICAL QUESTIONNAIRE	
Interview conducted byon//	
A. DEMOGRAPHIC DATA (See clinical CRF, only link with unique ID number	)
Unique ID number	
Hello, my name is I am a researcher at the Inswhere you are being treated, and I would like to talk to you about a recent infehow are you doing now? [supportive listening of the investigator]. As you probably know, much is still unknown about how the monkeypox virus is we would like to understand this better by surveying patients with confirmed in for which we thank you. Are you currently available for an interview that will lamore convenient for you?	ection with the monkey pox virus that you were diagnosed with. First of all, is transmitted, who can transmit it and when you are contagious. Therefore, affections. You have already indicated your willingness to participate in this,
Does not wish to reply Y/N	
You may have already read about the monkey pox epidemic in Europe. This people through close and prolonged physical contact, such as skin-to-skin co the current outbreak of the virus, most infections have been among men, many of the virus during or through sexual contact. However, this form of transmissic a better idea of possible behavioural factors that may play a role in the transmissin and circumstances of your social contact during the period of the estimated contacts and sexual practices, which we suspect may play a relevant role in the are important in determining which practices increase the risk of infection. The is based on science. I would like to inform you that at any time you may indicated discontinue the conversation. I also remind you that this questionnaire is composed to the conversation. I also remind you that this questionnaire is composed to the conversation.	entact, but also the sharing of contaminated material, such as bed linen. In y of whom self-identify as gay or bisexual, suggesting possible transmission on has not been described before. Through this questionnaire, we try to get ission of the virus. These questions are mainly aimed at mapping the nature if time of infection. Some of these questions also focus on more intimate his epidemic. These questions can sometimes feel uncomfortable, but they use insights will also help to formulate advice that protects public health and ate that you do not wish to answer a particular question, or that you wish to
Question	Response options
May I first ask what you do for a living? Do you have any regular hobbies	

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May I first ask what you do for a living? Do you have any regular hobbies or activities?	
I would like to start by confirming the date when you first experienced HUIDSYMPTOMS (rash, papules, blisters).  - If available from clinical data: is it true that this was on/_/?  - If not available from clinical data, can you remember the date when you first became aware of these symptoms?	
How did the symptoms progress for you (timeline with overview of symptoms and injuries per day)? How do you feel now?	

When did you first hear about the monkey pox virus?  - Was this before or after you became aware of complaints? - Which way (e.g. news, social media, others?) did you hear about monkey pox for the first time? - Have you been contacted by someone who was diagnosed with the infection and with whom you had contact? If yes, please give further details on the context of the contact.	
Did you have a suspicion when you noticed the symptoms that it could be a monkey pox virus infection?  - If yes, why? - Do you have any idea where you might have caught the infection?	

# C. HIGH-RISK AND HOUSEHOLD CONTACTS

I would like to start by asking you some questions about your social contacts with the persons who may have been infected with the monkeypox virus and persons who belong to your household, i.e. persons with whom you live under the same roof. Is that OK with you [wait for permission].

Question	Response options
In the <b>three weeks</b> before your symptoms (past two weeks if no symptoms), have you been in close contact with a person who had a possible monkey pox infection, or had signs that might indicate monkey pox, such as skin lesions or flu-like syndrome?	No Yes, with a confirmed monkeypox case Yes, with a suspected monkeypox case
	Yes, with a person with skin lesions and/or flu-like syndrome
If so, when?	/
	Permanent partner
	Family member (or relatives living under the same roof)
	Roommate (not a family member)
What was the link with this contact?	Occasional (non-stable) sexual contact
	Patient (and interviewee is a healthcare professional)
	Other, please specify
If "patient" or "other Specify type of contact (multiple options possible)	Kiss on greeting or farewell
	Handshake
	Touch rash
	Been within <1.5m for less than five minutes (cumulative)
	Been within <1.5m for more than five minutes (cumulative)
If "patient" or "other Specify duration spent in the same room (several options possible)	Not been in the same room
	Remained in the same room for <5 minutes
	Remained in the same room for 5 to 15 minutes

	Remained in the same room for >15 minutes
Specify use of mouth mask during contact with	High-risk contact and you wore surgical mask High-risk contact wore surgical or FFP2 mask and you FFP2 mask High-risk contact wore mask but you did not High-risk contact did not wear a mouth mask but you did Neither wore a mouth mask
In the three weeks before your symptoms (past two weeks if no symptoms), have you been in a hospital, clinic or to a general practitioner or other health care provider?	Yes, general practitioner or other health care provider's practice Yes, STI clinic Yes, hospital Yes, other. Specifieer No
If yes, specify possible risk exposure	
With which persons do you live under the same roof?  - What is your relationship with these people? (go through each contact)	Family  Roommate (not a family member)  Partner  Other
During the <b>three weeks before the onset of symptoms</b> (cf. reference date), how would you describe the physical contact you had with these persons?  (go through each contact, see below)	No physical contact Occasional physical contact (e.g. fleeting touch, embrace, kiss as greeting) Regular physical contact (e.g. daily kissing, daily touching and hugging - not sexual)
Contact 1:	
Contact 2:	
Contact 3:	
Contact 4:	
Contact 5:	
Contact 6:	
If regular physical contact with household members:	
How would you describe this contact? (nature, frequency, duration)	
(for sexual contact, see next section)	

Have you had contact (touch, dung, faeces or urine removed) with an animal in the three weeks before the onset of symptoms?	
If yes, please specify the type of animal and whether it was dead or alive.	No Yes
In the three weeks before the onset of symptoms (cf. reference date), have there been any social activities (non-sexual) during which there was intense (physical) contact between persons (e.g. parties, celebrations, activities with close physical proximity)? If so, could you describe this further?  (place, date, indoors or outdoors, duration, number of people present,	
physical contact)	

## D. SEXUAL CONTACTS WITH STABLE PARTNER

Given the presumed importance of close physical contact for the transmission of this virus, I would like to ask some more intimate questions that relate to any sexual relationships and practices during the two weeks before the onset of symptoms. Are you comfortable with these questions? [Waiting for permission] You can always indicate if you want to skip certain questions.

Question	Response options
Did you have any form of sexual contact (including vaginal, anal	Yes
insertive/receptive, oral and use of sex toys) during the <b>three weeks befo</b> <b>onset of symptoms</b> (cf. reference date)?	No (go to F)

The following questions relate to contact with any regular sex partners, i.e. a husband or wife or a boyfriend with whom you have a serious relationship.

Question	Response options
Do you have one or more steady sexual partners? (i.e. a husband or wife or	No (go to E)
a stable friend with whom you have a serious relationship)	Yes, one permanent partner
	Yes, several permanent partners, namely (number)
Does it concern a permanent sexual relationship with (one or more) men,	Man:
women, trans men, trans women, non-binary persons or other?	Woman:
	Transman:
	Transvrouw:
	Non-binary person:
	Other:
Did you have sexual contact with one or more of these regular partners	Yes
during the three weeks before the onset of symptoms (cf. reference date)?	No (go to E)
How often did you have sexual contact with one or more of these regular	Daily
partners during the <b>three weeks before the onset of symptoms</b> (cf. reference date)?	Almost daily
	Weekly
	Only a few times
How did you have sexual contact with this/these steady sex partner(s) in the three weeks before the onset of the symptoms (cf. reference date)? (go	Anal and I was the active partner ("top")

through each contact, see below)	Anal and I was the passive partner ("bottom")
	Anal both as active and passive partner ("versa")
	Giving oral sex ("blowjobs")
	Getting oral sex ("getting a blowjob")
	Oral after anal sex
	Kissing (+ specify on which parts of the body)
	Tongue kissing
	"Deep kissing"
	Fisting
	Rimming ("baffen", anilingus)
	Vaginal sex (if applicable)
	Pee sex ("golden shower")
	Poop sex ("scat", "kaviar spiele", "copra")
	Other:
Contact 1:	
Contact 2:	
Contact 3:	
Somati of	
Contact 4:	
Contact 4:	
Contact 5:	
On average, how long were each of these sexual contacts? (go over for each sexual act)	Volatile (less than 1 minute)
each sexual acty	Short duration (1 to 5 minutes)
	Medium duration (5 to 10 minutes)
	Prolonged (longer than 10 minutes)
Contact 1:	
Contact 2:	
Contact 3	
Contact 4:	
Contact 5:	
Sometion of	
Were <i>lubricants</i> (lubes) used in these sexual contacts?	l No
were lubricarits (lubes) used in these sexual contacts?	No No
	Yes, saliva
	Yes, bodily fluids other than saliva:
	Yes, commercial means:
	Other:
In how many of these sexual contacts with permanent partner(s) during the	Once in a while
three weeks prior to the onset of symptoms (cf. reference date) was a condom used?	In less than half of the contacts
	In about half of the contacts
	In more than half of the contacts
	Almost always
	Always
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Did you ever use drugs during these sexual contacts with regular partner(s) during the <b>three weeks before the onset of symptoms</b> (cf. reference	Yes No
date)?	
If yes on drug use:	Ecstasy (E, XTC, MDMA)
What drugs were used in these sexual contacts?	Amphetamine/ speed  Crystal meth (methamphetamine, tina, pervitin, glass, ice)
	Heroin (or related)
	Mefedron (3/4-MMC, meow, methylon, bubbles)
	Synthetic (MXE)
	GHB/GBL (liquid ecstasy)
	Ketamine (K, Special K, Vitamin K)
	LSD (acid, lumps)
	Cocaine
	Crack
	Cannabis (Marijuana)
	Poppers
	I have taken drugs but did not know what it was
If yes on drug use:	Once in a while
ii yes on arug use.	In less than half of the contacts
How frequently were drugs used in these sexual contacts?	In about half of the contacts
	In more than half of the contacts  Almost always
Additional comments on drug use	Always
Did you ever use sex toys during these sexual contacts with regular	Yes
partner(s) in the <b>three weeks before the onset of symptoms</b> (cf. reference date)?	No
If yes on use of sex toys:	
Can you describe which sex toys were used, and in what way?	
Attention to: nature of toy, oral/canal insertion, use of saliva or other	er bodily fluids, duration of use, sharing with other partners.
Comments use sex toys/	
Has your regular partner had sex with someone other than you in the past	Yes
three weeks?	No
If yes, how many sexual partners has your partner had?	

## E. OCCASIONAL (non-STABLE) AND ANONYMOUS SEXUAL CONTACTS AND EVENTS

The following questions concern contact with possible loose/occasional and anonymous sex partners. By loose/occasional sex partners we mean one or more people with whom you have sex on a regular basis but who are not in a permanent relationship, but who are also not anonymous (e.g. fuck buddies, friends with benefits, sex buddies). An anonymous sex partner is a person you don't know or don't know well, or who you just got to know, e.g. someone in a "dark room" or someone you meet for sex for the first time (e.g. in a sauna or after online contact on Grindr). Are you comfortable with these questions? [Waiting for permission] You can always indicate if you want to skip certain questions.

Question	Response options
Did you have sexual contact with one or more single or anonymous sex partners during the <b>three weeks before the onset of the symptoms</b> (cf. reference date)?	No (go to F)
	Yes, one single/anonymous partner
,	Yes, multiple single partners, approximately(estimated
	number: 5-10-20- >20)
Does it concern sexual contact with (one or more) men, women, trans men,	Man:
trans women, non-binary persons or other?	Woman:
	Transman:
	Transvrouw:
	Non-binary person:
	Other:
How often did you have sexual contact with one or more single/anonymous	Daily
partners during the <b>three weeks before the onset of symptoms</b> (cf. reference date)?	Almost daily
Total of the date of the second of the secon	Weekly
	Only a few times
	One time only
How did you meet these loose/anonymous partners?	Via dating apps
(several answers possible)	In bar/cafe
	In dance club
	In sex club or swinger club
	In darkroom/"backroom"
	In sauna
	Private (at person's home or party where sex took place)
	At a public event/festival
	Other:
Comments encounters per contact	
In the three weeks before the start of the symptoms (cf. reference date),	Yes
did you visit one or more places where several people had sexual contact with each other?	No
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If yes to the previous question:	
Can you further describe the context (place, date, circumstances and target	
audience) of this place/event?	
Have you participated in group sex (i.e. sex with more than 1 person at the	Yes
same time, including threesomes) in the three weeks before the onset of	No
symptoms (cf. reference date)?  How did you have sexual contact with this/these loose/anonymous sex	Anal and I was the active partner ("top")
partner(s) during the <b>three weeks before the onset of symptoms</b> (cf.	Anal and I was the passive partner ("bottom")
reference date) ?	
	Anal both as active and passive partner ("versa")
	Giving oral sex ("blowjobs")
	Getting oral sex ("getting a blowjob")
	Oral after anal sex
	Kissing (+ specify on which parts of the body)
	Tongue kissing
	"Deep kissing"
	Fisting
	Rimming ("baffen", anilingus)
	Vaginal sex (if applicable)
	Pee sex ("golden shower")
	Poop sex ("scat", "kaviar spiele", "copra")
	Other:
Contact 1:	
Contact 2:	
Contact 3:	
Contact 4:	
Comaci 4.	
Contact 5:	
Contact 6:	
Contact 7:	
On average, how long were each of these sexual contacts? (go over for	Volatile (less than 1 minute)
each sexual contact remembered)	Short duration (1 to 5 minutes)
	Medium duration (5 to 10 minutes)
	Prolonged (longer than 10 minutes)
Contact 1:	

Contact 2:	
Contact 3:	
Contact 4:	
Contact 5:	
Contact 6:	
Contact 7:	
Were lubricants (lubes) used in these sexual contacts?	No Yes, saliva Yes, bodily fluids other than saliva: Yes, commercial means:
In how many of these sexual contacts with single/anonymous partner(s) during the <b>three weeks before the onset of symptoms</b> (cf. reference date) was a condom used?	Other: Once in a while In less than half of the contacts In about half of the contacts In more than half of the contacts Almost always Always
During these sexual contacts with single/anonymous partner(s), did you ever use drugs during the <b>three weeks prior to the onset of symptoms</b> (cf. reference date)?	Yes No
If yes on drug use:  What drugs were used in these sexual contacts?	Ecstasy (E, XTC, MDMA)  Amphetamine/ speed  Crystal meth (methamphetamine, tina, pervitin, glass, ice)  Heroin (or related)  Mefedron (3/4-MMC, meow, methylon, bubbles)  Synthetic (MXE)  GHB/GBL (liquid ecstasy)  Ketamine (K, Special K, Vitamin K)  LSD (acid, lumps)  Cocaine  Crack  Cannabis (Marijuana)  Poppers  I have taken drugs but did not know what it was
If yes on drug use:	Once in a while

	In less that	an half of the co	ntacts			
How frequently were drugs used in these sexual contacts?	In about h	nalf of the conta	cts			
	In more th	nan half of the o	ontacts			
	Almost al	ways				
	Always					
Additional comments on drug use:						
Did you ever use sex toys during these sexual contacts with single/anonymous partner(s) in the three weeks before the onset of	Yes					
symptoms (cf. reference date)?	No					
If yes on use of sex toys:						
Can you describe which sex toys were used, and in what way?						
Attention to: nature of toy, oral/canal insertion, use of saliva or other bodily fluids, duration of use, sharing with other partners.						
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If yes on use of sex toys:	Yes	(frequency	and	number	of	partners)
Were these sex toys sometimes shared with other sexual partners?						
	No					

# F. OTHER SOCIAL CONTACTS AND EVENTS

Question	Response options
During the three weeks before the onset of symptoms (cf. reference	Yes (describe further)
date), did you attend any major social events (e.g. festivals, music concerts, etc.) where many people gathered in close proximity?	No
Description:	
Do you have certain personal items (e.g. clothing, accessories, hygiene	Yes
material, bedding, etc.) that you share with other people?	No

Contact 2:

Contact 3:

Contact 4:

Contact 5:

Since the onset of symptoms, have you had any sexual contact with

casual/occasional and anonymous partners?

If yes, description:	
If we convert content were after in the Council a before the council of	Yes (how many sex partners outside the steady relationship?)
If no sexual contact reported in the 3 weeks before the onset of symptoms:	No
Did a constant to the constant to the constant the constant to	I do not know
Did your regular partner have sex with someone other than you three weeks before the onset of symptoms?	I do not wish to answer
G. CONTACT INVESTIGATION	
Question	Response options
Since the beginning of the symptoms, have you had any physical	Yes (describe and list contact if known)
contact with the people with whom you live under the same roof?	No
Contact 1:	
Contact 2:	
Contact 3:	
Contact 5.	
Contact 4:	
Contact 4:	
Contact 5:	
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Have you had any sexual contact with your regular partner(s) since the	Yes (describe and list contact if known)
onset of symptoms?	No
Contact 1:	

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Yes (describe and list contact if known)

	No
Contact 1:	
Contact 2:	
Contact 2.	
Contact 3:	
Contact 4:	
Contact 5:	
Since the onset of symptoms, have you had close physical (skin-to-skin) contact with other social contacts who are not part of your household?	Yes (describe and list contact if known)
contact with other social contacts who are not part of your household?  Contact 1:	No
Contact 1:	
Contact 2:	
Contact 3:	
Contact 4:	
Contact 5:	

# H. OTHER

Question	Response options
Finally, having gone through all these things, is there anything else that comes to mind that might be relevant to the possible cause or spread of the virus?	

Thank you for your participation, which will enable us to better understand the current outbreak of monkeypox. If you have any questions, I can answer 12

them now or later via (email) or (tel).