

Public dataset description.

Amsterdam Cohort Studies among homosexual men and drug users

Introduction

The Amsterdam cohort study (ACS) on human immunodeficiency virus (HIV) infection and AIDS among homosexual men started in 1984 and was expanded to include drug users in 1985. Thus far, about 2100 homosexual men and 1630 (injecting) drug users have been included of whom approximately 700 homosexual men and 550 drug users are still in active follow-up. Every 3-6 months participants complete a standardized questionnaire to obtain medical, epidemiological and social scientific information and undergo a medical examination. In addition, they have blood drawn for virological and immunological tests and storage.

A limited data set of the ACS that is generally accessible for researchers and students.

The ACS data are very suitable for universities and research institutes to teach epidemiological, biomedical and social scientific students how to analyze longitudinal data sets. The concurrence of epidemiological and biomedical data also enables researchers from various disciplines to practice statistical techniques like event history (Survival), multilevel and repeated measurement analysis.

For this purpose an anonymous data set that includes a limited amount of epidemiological, social-scientific demographic, clinical and biomedical information obtained from the participants of the ACS over the past 20 years of follow-up is available.

If the intention is to use the data for other than educational reasons, please mention the source of the data set and contact the data-administrator in advance (gevisser@ggd.amsterdam.nl).

For more details and backgrounds on the Amsterdam Cohort Studies data, please refer to the latest annual report on <http://www.amsterdamcohortstudies.org/>

A Clinical data HIV seroconverters

tblPatient

<i>Variable</i>	<i>Description</i>	<i>Range</i>
Patient	identifier for Amsterdam Cohort Studies participant	Random number
Gender	Gender	1=male

		2=female
Group	exposure Group	1=sex between men 2=idu
Ethnicity (Ethnic)	Ethnicity of patient	10=White 22=Black Caribbean 90=Other 99=Unknown
Serocon_det	how was seroconversion date determined?	1=midpoint between last neg/first pos test 4=other
Seroneg_det	how was negative date determined?	1=information verified by laboratory or clinic
Art_init	has ART been initiated	0=no 1=yes
Aids_diag	has AIDS been diagnosed	0=no 1=yes
Birth_date	date of birth_anonymous (changed to 1st day of month)	dd-mm-yyyy
Cohort_date	date of enrolment into cohort_anonymous (changed to 1st day of month)	dd-mm-yyyy
Serocon_date	date of seroconversion_anonymous (changed to 1st day of month)	dd-mm-yyyy
Art_init_date	date ART initiated_anonymous (changed to 1st day of month)	dd-mm-yyyy
Aids_diag_date	date of initial AIDS diagnosis_anonymous (changed to 1st day of month)	dd-mm-yyyy

tbILastFUP

Patient	identifier for Amsterdam Cohort Studies participant	Random number
Death	has the subject died?	0=no 1=yes
Cause_death_1	cause of death	(appendix B)
Cause_death_2	cause of death	(appendix B)
Cause_death_3	cause of death	(appendix B)
Last clin_date	date of last clinic visit_anonymous (changed to 1st day of month)	dd-mm-yyyy
Last alive_date	date last alive_anonymous (changed to 1st day of month)	dd-mm-yyyy
Death_date	date of death_anonymous (changed to 1st day of month)	dd-mm-yyyy

tbICD4

Patient	identifier for Amsterdam Cohort Studies participant	Random number
CD4_date	date of CD4 count_anonymous (changed to 1st day of month)	dd-mm-yyyy
CD4_count	absolute CD4 count_anonymous (changed to groups of fifty, upwards)	9999 (cells/mm ³)

tbIRNA

Patient	identifier for Amsterdam Cohort Studies participant	Random number
RNA_sign	sign of RNA, indicates if result is within test range	-1 (<) Result below test range 0 (=) Result within test range 1 (>) Result above test range
RNA_limit	Lower limit of HIV-RNA Assay	99999999 (copies/mm ³)
RNA_assay	HIV-RNA Assay used	19=Any Roche (unspecified) 29=Any NASBA (unspecified) 39=Any Chiron (unspecified) 67=Cobas (type unknown) 69=Cobas (unspecified) 90=Other 99=Unknown
RNA_date	date of HIV RNA measurement_anonymous (changed to 1st day of month)	dd-mm-yyyy
RNA_copies	RNA copies_anonymous (changed to 10log scale with 1 decimal)	99999999 (10 log copies/mm ³)

tbIAntibody

Patient	identifier for Amsterdam Cohort Studies participant	Random number
Viral_test	viral test (hiv-test only)	HIV-1 =HIV-1 test
Test_result	test result	0 = negative 1 = positive 9 = unknown/borderline
Test_date	date of test (changed to 1st day of month)	dd-mm-yyyy

Appendix B – Coding for Causes of Death

- 01 AIDS (unspecified)
 - 01.1 Infection
 - 01.2 Malignancy
 - 02.1 Bacterial
 - 02.2 Others
 - 02.3 Unknown aetiology

- 02.3.1** Unknown with sepsis
- 08** MI or other ischemic heart disease
- 13** Chronic obstructive lung disease
- 14** Liver failure (other than 03, 03.1, 03.2)
- 16** Accident or other violent death (not suicide)
- 17** Suicide
- 19** Substance abuse (unspecified)
- If the cause of death can't be specifically classified, general classification can be used:**
- 23** CNS disease (other causes)
- 25** Respiratory disease (other causes)
- If the cause of death is unclassifiable, use:**
- 92** Unknown

Appendix C – Coding for AIDS Events

- BCNE** Bacterial pneumonia, recurrent (>2 episodes within 1 year)
- DEM** AIDS dementia complex
- CANO** Oesophageal Candidiasis
- CRCO** Cryptococcosis, extrapulm.
- CRSP** Cryptosporidiosis (duration > 1 month)
- CMVR** Cytomegalovirus (CMV) chorioretinitis
- CMVO** CMV - other location
- HERP** Herpes simplex virus ulcers (duration > 1 month) or pneumonitis/esophagitis/bronchitis
- WAST** HIV Wasting Syndrome
- MCDI** Microsporidiosis diarrhoea (dur. > 1 month)
- MC** Mycobact. avium complex (MAC) or Kana, extrapulm.
- MCP** Mycobact. tuberculosis pulm.
- MCX** Mycobact. tuberculosis extrapulm.
- MCPO** Mycobact. pulm., other
- MCO** Mycobact., other (unspecified)
- PCP** Pneumocystis carinii pneumonia (PCP)
- LEU** Progressive multifocal leucoencephalopathy
- TOX** Toxoplasmosis, brain
- KS** Kaposi Sarcoma
- NHGB** Non-Hodgkin Lymphoma - Burkitt (Classical or Atypical)

B Social Behaviour data among drugusers

This dataset includes data from the start of the ACS (4th December 1985) until 21st November 2005. In total 1,206 ever-injectors were included (in total 17,945 visits). Participants that started injecting drug use during follow up are included from the moment they reported to start injecting in the period since the previous visit.

tblDruguse

<i>Variable</i>	<i>Description</i>	<i>Range</i>
Patient	Anonymous identifier for ever injectors in the Amsterdam	Random number

	Cohort Studies	
Visitdate	date of visit to ACS	
Visitnumber	number of visit to ACS	
ExtraVisit	extra visit belonging to that number of visit	0=regular visit >1=extra visit
InterviewAge	age at visit?	
Gender	sex/gender	1=male 2=female 3=transsexual
HCVantibodies	anti HCV antibodies	1=positive 2=negative 3=missing
HIVantibodies	anti HIV antibodies	0=negative 1=positive
InjectionStart	age at first injection	
InjectionDuration	duration of injecting drug use in years	
Injectionstatus	IDU status in past 6 months at first visit or since previous visit at future visits	1=yes 2=no 9=unknown
Injectionfreq	frequency of current injecting drug use	0=no injection 1=more times daily 2=once daily 3=2-6 days/week 4=once weekly 5=2-3 days/month 6=1 day/month 7=less than 1 day/month 9=unknown
InjectionDrug	drug of principal choice in the past 6 months	0=no injection 1=heroin 2=cocaine 3=cocaine and heroine 4=amphetamine 5=methadone 6=unknown drug
SharingEver	sharing syringes: ever, at entry	1=yes 2=no 9=unknown
SharingCurrent	sharing syringes: current (in the past 6 months)	0=never 1-998=number of syringes shared 999=unknown
SharingFreq	variable 19 (v81) divided by time since previous visit or if time between visits > 6 months, variable 19 (v81) divided by 6 months (xx needles shared/month)	

C Social Behaviour data among homosexual men (Not available yet)

Based on the homo data of the Amsterdam Cohort Studies data.

tblHomo

<i>Variable</i>	<i>Description</i>	<i>Range</i>
CohortID	identifier for Amsterdam Cohort Studies participant	NOT PUBLIC
Patient	Anonymous identifier for Amsterdam Cohort Studies participant	Random number
Datbez	date of visit to ACS	NOT PUBLIC
Visitdate	date of visit to ACS	
Steady	Did you have a steady relationship with a boy/man in the last 6 months?	0=no 1=yes
Steady_nr	With how many men did you have a steady relationship with a boy/man in the last 6 months?	0-100
Steady_fucked	Have you had insertive anal sex with your steady partner?	0=no 1=yes
Steady_fucked_condom	How often did you use a condom when having insertive anal sex with your steady partner?	1=never 2=hardly ever 3=sometimes 4=most of the times 5=always 6=not applicable
Steady_been_fucked	Have you had receptive anal sex with your steady partner?	0=no 1=yes
Steady_been_fucked_condom	How often did you use a condom when having receptive anal sex with your steady partner?	1=never 2=hardly ever 3=sometimes 4=most of the times 5=always 6=not applicable
Casual	Did you have sex with one or more casual male partners in the last six months?	0=no 1=yes
Casual_nr	With how many casual partners did you have sex in the last six months?	0-999
Casual_fucked	Have you fucked casual	0=no

	partners?	1=yes
Casual_fucked_nr	How many casual partners have you fucked?	0-999
Casual_fucked_condom	How often did you use a condom when fucking a regular partner?	1=never 2=hardly ever 3=sometimes 4=most of the times 5=always
Casual_been_fucked	Have you been fucked by casual partners?	0=no 1=yes
Casual_been_fucked_nr	By how many casual partners have you been fucked?	0-999
Casual_been_fucked_condom	How often did you use a condom when being fucked by a casual partner?	1=never 2=hardly ever 3=sometimes 4=most of the times 5=always
Result_last_hivtest_selfreport	What is the result of your last hiv-test?(self reported)	1=seronegative 2=seropositive 3=unknown
Result_last_hivtest_confirmed	Confirmed	