Globally, do you consider yourself as healthy?

- YES: 680 (98.6%)
- NO: 8 (1.1%)
- NI: 2 (0.3%)

Do you use hormonal contraception (contraceptive pill)?

- YES: 442 (64.0%)
- NO: 248 (36.0%)

Student: 397 (57.5%)
Apprenticeship: 216 (31.3%)
Other: 77 (11.1%)

Working status

Do you agree with self-sampling for HPV and CT testing?

- YES: 549 (79.6%)
- Sample provided: 327 (59.6%)
- Sample not provided: 222 (40.4%)
- NO: 141 (20.4%)
- Is the device user friendly?
  - YES: 326 (99.7%)
  - NO: 1 (0.3%)

Personal data

Preventive aspects

Have you ever had a cervical Pap smear (PAP test)?

- YES: 293 (42.5%)
- NO: 387 (56.1%)
- NI: 10 (1.4%)

Have you been vaccinated against Human Papilloma Virus to prevent cervical cancer?

- YES: 535 (77.5%)
- How many injections?
  - 1: 101 (18.9%)
  - 2: 118 (22.1%)
  - 3: 301 (56.3%)
  - NI: 15 (2.8%)

Did your first intercourse occur before the end of vaccination?

- YES: 144 (25.6%)
- NO: 325 (57.8%)
- NI: 93 (16.5%)

Have you always used condoms?

- YES: 115 (20.5%)
- NO: 446 (79.4%)
- NI: 1 (0.2%)

HPV Risk factors

Have you ever had sexual intercourse?

- YES: 562 (81.4%)
- NO: 102 (14.8%)
- NI: 26 (3.9%)

Chlamydia

- YES: 19 (2.8%)
- NO: 665 (96.4%)
- NI: 6 (0.9%)

Have you ever been treated for a sexually transmitted infection (STI)?

- YES: 20 (2.9%)
- NO: 661 (95.8%)
- NI: 9 (1.3%)

HIV

- YES: 1 (0.1%)
- NO: 677 (98.1%)
- NI: 12 (1.7%)

Have you suffered from a disease which affects the immune system (HIV, cancer)?

- YES: 9 (1.3%)
- NO: 680 (98.6%)
- NI: 1 (0.1%)

Do you suffer from a disease which affects the immune system (HIV, cancer)?

- YES: 203 (29.4%)
- NO: 487 (70.6%)

Do you smoke cigarettes?

- YES: 203 (29.4%)
- NO: 487 (70.6%)

3726 questionnaires sent
690 returned (18.5%)

811 not invited (17.8%)

4537 candidates for questionnaire
3726 invited and sent questionnaire
690 returned (18.5%)

Additional file 1. Sub-study-1 flowchart and questionnaire results.
Additional file 1. Sub-study-1 flow chart and questionnaire results.

BVA: Bureau vaudois des adresses. This is an independent marketing organization that registers all individuals who agree to be contacted for any issue.
NI: non informative responses that were excluded from analysis (empty fields in questionnaires for specific items, inconsistent response such as not reporting PAP yet reporting a normal PAP result)
HPV: Human papillomavirus; CT: Chlamydia trachomatis; PAP: cervical smear stained with Papanicolaou reagent for cervical cancer screening; HIV: Human immunodeficiency virus