**Web-Figure 1:** Flow chart of patients starting antiretroviral therapy (ART) in health centres (HCs) and hospitals, stratified by gender. (LTFU: Lost to follow-up)

### Female Patients

- **2'395 adult female patients enrolled on ART from 1st Jan 2008 to 30st April 2011**
  - 1'086 initiated ART at hospital level
    - 517 at Paray Hospital (11 no follow-up)
      - 506 patients analyzed
        - 64 LTFU
        - 52 Died
    - 548 patients analyzed
      - 63 LTFU
      - 57 Died
  - 1'309 initiated ART at health center level
    - 569 at Seboche Hospital (21 no follow-up)
    - 794 at Paray HC (18 no follow-up)
    - 515 at Seboche HC (4 no follow-up)
      - 776 patients analyzed
        - 135 LTFU
        - 44 Died
      - 511 patients analyzed
        - 38 LTFU
        - 73 Died

### Male Patients

- **1'352 adult male patients enrolled on ART from 1st Jan 2008 to 30st April 2011**
  - 619 initiated ART at hospital level
    - 315 at Paray Hospital (10 no follow-up)
      - 305 patients analyzed
        - 47 LTFU
        - 50 Died
    - 304 at Seboche Hospital (8 no follow-up)
      - 296 patients analyzed
        - 50 LTFU
        - 59 Died
  - 733 initiated ART at health center level
    - 453 at Paray HC (10 no follow-up)
      - 443 patients analyzed
        - 59 LTFU
        - 36 Died
    - 280 at Seboche HC (3 no follow-up)
      - 277 patients analyzed
        - 19 LTFU
        - 49 Died