Figure 1. Study profile of the study participants

- Children on ART at JCRC between 2004-2009
- 46 had been referred to the JCRC after failure on first line ART.
- 58 had been referred to continue ART at JCRC and lacked key data.
- 263 had key missing data.
- Available records belonged to 1068 participants.
- Enrolled 701 participants
  - Males: 371 (52.9%)
  - Female

- 240 FAILED (CASES)
  - 131 (54.6%) males
  - 109 (45.4%) females

- 461 DID NOT FAIL on 1st line

- Regimen, social demographics, CD4, mutations, Adherence

- D4T/3TC/NVP (1st line regimen)
  - 53 FAILED
  - IRR= 1.11

- D4T/3TC/EFV (alternative 1st line)
  - 60 FAILED
  - IRR= 0.85

- 3TC/AZT/NVP (first line ART regimen)
  - 65 FAILED
  - IRR= 1.07

- 3TC/AZT/EFV (alternative 1st line)
  - 42 FAILED
  - IRR= 0.95

- OTHERS (triple NRTIs)
  - 20 FAILED
  - IRR= 1.16

- Regimen, social demographics, CD4, adherence