

SENTINEL ROUND 1 DATA COLLECTION STATUS REPORT March 10, 2022

AMBIT is a research and evaluation project to generate evidence on the health and economic impact of differentiated service delivery (DSD) models for HIV treatment in Malawi, Zambia, and South Africa using existing and new data. A major component of the project is to collect facility- and patient-level data about the outcomes of DSD models to fill in gaps in routinely collected data sets. Under the SENTINEL protocols, AMBIT has conducted surveys of patients and providers, observed providers' use of time (time and motion), and collected descriptive facility data for 12 sentinel sites in Malawi, 21 in South Africa, and 12 in Zambia. In the tables below we provide a brief status report on SENTINEL data collection as of March 10, 2022.

PATIENT SURVEY DATA COLLECTION

| Category | Malawi | South Africa | Zambia |
|-------------------------------------------------------------------------------------------------------------|--------|--------------|--------|
| Protocol target | ≥600 | ≥1200 | ≥600 |
| Enrolled in Round 1 | 602 | 867 | 607 |
| Models represented by participants to date | | | |
| <i>Conventional care</i> | | | |
| Conventional-eligible for DSD models | 15 | 209 | 66 |
| Conventional-not eligible for DSD models | 26 | 216 | 102 |
| Conventional-unknown eligibility | 123 | 0 | 0 |
| <i>Facility individual models</i> | | | |
| 3MD (facility)* | 0 | 0 | 68 |
| 6MD (facility) | 149 | 0 | 118 |
| Fast track (Zambia) [†] /facility pickup point (South Africa) | 0 | 180 | 33 |
| Male adherence clinic | 1 | 0 | 0 |
| Mother-infant pair clinic | 116 | 0 | 0 |
| Family model clinics | 22 | 0 | 0 |
| Extended clinic hours | 0 | 0 | 15 |
| <i>External individual models</i> | | | |
| Facility medication locker/Pele Box | 0 | 50 | 0 |
| External (community) pick up point (South Africa)/community ART distribution or community outreach (Malawi) | 15 | 179 | |
| Home delivery | 0 | 7 | 27 |
| Mobile ART provision | 0 | 0 | 9 |
| <i>Group models</i> | | | |
| Community adherence group (patient-led CAG) | 6 | 0 | 31 |
| Scholar group (Zambia)/teen club (Malawi) | 110 | 10 | 51 |
| Community access point/adherence club (healthcare worker-led group) | 1 | 16 | 38 |
| High viral load clinic | 18 | 0 | 0 |

*3MD (facility) may be equivalent to conventional care, but clinic reported patients as being in 3MD DSD model

[†]Fast track in Zambia is often combined with 6MD

PROVIDER SURVEY DATA COLLECTION

| Category | Malawi | South Africa | Zambia |
|------------------------------------------------------------|--------|--------------|--------|
| Protocol target for enrollment | ≥120 | ≥240 | ≥120 |
| Enrolled in Round 1 | 144 | 206 | 121 |
| Roles of providers enrolled to date | | | |
| Facility or ART clinic in-charge or coordinator | 3 | 14 | 10 |
| Doctor/clinical officer/medical officer | 32 | 1 | 16 |
| Nurse (registered, enrolled, or assistant) | 48 | 96 | 16 |
| Clinical, HIV testing, or laboratory assistant | 15 | 0 | 3 |
| Data capturer (inc. information officer, M&E) | 9 | 17 | 17 |
| Counselor (inc. adherence supportor, expert patient, etc.) | 30 | 24 | 32 |
| Pharmacist/pharmacy assistant | 1 | 18 | 11 |
| Community health worker (inc. other outreach workers) | 2 | 23 | 14 |
| Receptionist/administrator | 4 | 12 | 1 |
| DSD dedicated staff | 0 | 1 | 1 |

TIME AND MOTION DATA COLLECTION

| Category | Malawi | South Africa | Zambia |
|----------------------------------------------------------------------|--------|--------------|--------|
| Protocol target for number of individuals observed | 60 | 120 | 60 |
| Number of individuals observed in Round 1 | 54 | 42 | 61 |
| Protocol target for number of person-days observed | 120 | 240 | 120 |
| Number of person-days observed in Round 1 | 78 | 75 | 117 |
| Roles of providers observed to date (number of days observed) | | | |
| Facility or ART clinic in-charge | 0 | 0 | 1 |
| Doctor/clinical officer/medical assistant (Malawi) | 14 | 1 | 14 |
| Nurse (registered or enrolled) | 17 | 34 | 24 |
| Data capturer (including information officer) | 1 | 0 | 12 |
| Counselor (including adherence supporter, etc.) | 13 | 3 | 26 |
| Pharmacist/pharmacy assistant | 1 | 4 | 20 |
| Community health worker | 1 | 0 | 8 |
| Laboratory technician | 0 | 0 | 10 |
| DSD dedicated staff | 0 | 0 | 2 |
| Administrative clerk | 3 | 0 | |
| HIV diagnostic assistant (HDA) | 4 | 0 | |

RESOURCE UTILIZATION DATA COLLECTION

| Category | Malawi | South Africa | Zambia |
|------------------------------------------|--------|--------------|--------|
| Protocol target for number of facilities | 12 | 24 | 12 |
| Facilities completed in Round 1 | 12 | 24 | 12 |

SENTINEL SITES INCLUDED IN THE STUDY

| Facility | Setting | Implementing partner | Number active ART patients |
|------------------------------------------|---------|--------------------------|----------------------------|
| MALAWI | | | |
| Blantyre District (Southern) | | | |
| South Lunzu Health Center | Urban | EGPAF | 2,925 |
| Limbe Health Center | Urban | EGPAF | 8,400 |
| Ndirande Health Centre | Urban | EGPAF | 6,178 |
| Mlambe Mission Hospital | Rural | EGPAF | 6,592 |
| Chiradzulu District (Southern) | | | |
| Namadzi Health Centre | Rural | EGPAF | 5,288 |
| Mbulumbuzi Health Centre | Rural | EGPAF | 2,633 |
| Chiradzulu District Hospital | Rural | EGPAF | 6,520 |
| Milepa Health Centre | Rural | EGPAF | 3,944 |
| Lilongwe District (Central) | | | |
| Malingunde Health Center | Rural | PIH | 1,025 |
| St Gabriel Mission Hospital | Rural | PIH | 2,728 |
| Bwaila Hospital | Urban | Lighthouse | 24,247 |
| Kawale Health Center | Urban | Baylor/Lighthouse | 4,200 |
| SOUTH AFRICA | | | |
| West Rand District (Gauteng) | | | |
| Simunye Clinic (Westonaria) | Urban | None (previously RTC) | 1,783 |
| Tarlton Clinic | Rural | None | 1,803 |
| Fanyana Nhlapo Clinic | Urban | None | 1,897 |
| Bekkersdal East Clinic | Urban | None | 2,116 |
| Zuurbekom Clinic | Rural | None | 2,301 |
| Krugersdorp Central Clinic | Urban | None (previously RTC) | 2,959 |
| Ekurhuleni District (Gauteng) | | | |
| Bonaero Park Clinic | Urban | Aurum | 1,482 |
| Zonkizizwe 1 Clinic | Urban | Aurum | 2,386 |
| Tamaho Clinic | Urban | Aurum | 2,658 |
| Kempton Park Civic Centre Clinic | Urban | Aurum | 3,502 |
| Dresser Clinic | Urban | Aurum | 4,560 |
| Goba Clinic | Urban | Aurum | 7,213 |
| Ehlanzeni District (Mpumalanga) | | | |
| Msogwaba Clinic | Urban | Right to Care | 6,622 |
| Manzini Clinic | Rural | Right to Care | 3,553 |
| Legogote Clinic | Rural | Right to Care | 1,943 |
| White River Municipal Clinic | Rural | Right to Care | 3,001 |
| Nelspruit CHC | Urban | Right to Care | 5,234 |
| Kanyamazane Health Centre | Urban | Right to Care | 5,515 |
| King Cetshwayo District (KZN) | | | |
| Mandlazini Clinic | Rural | Broadreach | 1,182 |
| Ntuze Clinic | Rural | Broadreach | 1,509 |
| Umkhontokayise Clinic | Rural | Broadreach | 2,231 |
| Khandisa Clinic | Rural | Broadreach | 3,361 |
| Phaphamani Clinic | Rural | Broadreach | 5,190 |
| Richards Bay Clinic | Urban | Broadreach | 7,934 |
| ZAMBIA | | | |
| Chisamba District (Central) | | | |
| Chipembi Mission Health Centre | Rural | CHAZ and Discover Health | 771 |
| Kampiri Mposhi District (Central) | | | |
| Kapiri Mposhi Urban Health Centre | Urban | JSI | 6,752 |
| Kabwe District (Central) | | | |
| Makululu Urban Health Centre | Urban | JSI | 2,696 |
| Mahat Mahghadi Health Centre | Urban | JSI | 3,625 |

| Facility | Setting | Implementing partner | Number active ART patients |
|----------------------------------------|---------|----------------------|----------------------------|
| Mumbwa District (Central) | | | |
| Nangoma Mission Hospital | Rural | CHAZ | 2,742 |
| Mumbwa District Hospital | Rural | JSI | 4,332 |
| Chilanga District (Lusaka) | | | |
| Chilanga Urban Health Centre | Urban | UTH HaP | 1,586 |
| Chongwe District (Lusaka) | | | |
| Chongwe Rural Health Centre | Rural | CIDRZ | 3542 |
| Kafue District (Lusaka) | | | |
| Nangongwe Health Centre | Urban | UTH HaP | 3,545 |
| Lusaka District (Lusaka) | | | |
| Chawama 1 st Level Hospital | Urban | CIDRZ and Howard | 9,572 |
| Kanyama 1 st Level Hospital | Urban | Howard University | 11,400 |
| Mtendere Urban Health Centre | Urban | CIDRZ and Howard | 5,519 |