**Supplemental Materials for** “​​​​**Lessons learned from over a decade of data audits in international observational HIV cohorts in Latin America and East Africa”**

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**Table S1.** Detailed breakdown of the CCASAnet audit projects (by site) and the data collected therein.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | **Auditors** | **Date** | **Audited records** | **Clinical variables reviewed** | **Audited variables** |
| **Cycle 1** |   | **Sep 2007–Mar 2010** | **276** | **129** | **6689** |
| *Baseline Audits* | *RDC* | *Sep 2007–Apr 2008* | *193* | *75* | *5144* |
| Sites A–C |   | Sep 2007 | 31 | 11 | 941 |
| Site D |   | Nov 2007 | 18 | 11 | 421 |
| Site E |   | Jul–Aug 2007 | 26 | 11 | 768 |
| Site F |   | Apr 2007 | 17 | 9 | 325 |
| Site G |   | Apr 2008 | 33 | 11 | 664 |
| Site I |   | Apr 2008 | 29 | 11 | 501 |
| Site L |   | Jul 2007 | 39 | 11 | 1524 |
| *Re-Audits* |   | *May 2008, Mar 2010* | *83* | *54* | *1545* |
| Sites A–C  | Site | Mar 2010 | 25 | 20 | 600 |
| RDC | Mar 2010 | 25 | 20 | 600 |
| Site D |   | May 2008 | 33 | 14 | 345 |
| **Cycle 2** | **RDC** | **Dec 2012–Aug 2014** | **250** | **252** | **7349** |
| Sites A–C |   | Mar 2013,May–Jun 2014 | 43 | 37 | 1429 |
| Site E |   | Sep 2013; Aug 2014 | 34 | 34 | 1034 |
| Site F |   | Apr 2013 | 28 | 26 | 623 |
| Sites G–H |   | Jul 2013 | 60 | 34 | 910 |
| Site I |   | Dec 2012 | 24 | 34 | 910 |
| Sites J/L |   | Feb 2013, Jul 2014 | 30 | 40 | 909 |
| Site K |   | Jul 2013, Apr 2014 | 31 | 47 | 1534 |
| **Cycle 3** |   | **Jun 2016–Jun 2018** | **479** | **450** | **109276** |
| *Self-Audits* | *Site* | *Jun 2016–Jun 2018* | *414* | *333* | *96837* |
| Site A |   | May–Jun 2018 | 28 | 28 | 5744 |
| Site E |   | Jun–Jul 2016 | 50 | 39 | 8381 |
| Site F |   | Jun–Jul 2016 | 56 | 33 | 3779 |
| Site G |   | Jun–Jul 2016 | 50 | 41 | 11171 |
| Site I |   | Jun–Jul 2016 | 50 | 41 | 9761 |
| Site K |   | Jun–Jul 2016 | 50 | 39 | 17211 |
| Site L |   | Jun–Jul 2016 | 50 | 34 | 6787 |
| Site N |   | Jun–Jul 2016 | 40 | 41 | 17686 |
| Site O |   | Jun–Jul 2016 | 40 | 37 | 16317 |
| *Travel-Audits* | *RDC* | *Jun–Jul 2017* | *65* | *117* | *12439* |
| Site K |   |   | 25 | 40 | 5765 |
| Site N |   |   | 19 | 40 | 3617 |
| Site O |   |   | 21 | 37 | 3057 |

**Site** represents the HIV care and treatment clinic that was audited. **Auditors** refer to either a team of auditors from the CCASAnet Data Coordinating Center at Vanderbilt (composed of at least one clinician and one informatician) and/or data management delegates from the clinical site. **Audited records** captures the number of patients’ records that were at least partially reviewed. **Clinical variables reviewed** is the number of unique clinical variables reviewed (e.g. date of birth, HIV diagnosis date, HIV viral load test result). **Audited variables** denotes the total number of data points audited (across all patients, all variables).

**Table S2.** Detailed breakdown of the East Africa IeDEA audit projects (by site) and the data collected therein.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Auditors** | **Date** | **Audited records** | **Clinical variables reviewed** | **Audited variables** |
| **Cycle 1** | **RDC & Site** | **Apr 2010–Jan 2011** | **265** | **386** | **54209** |
| Site 1 |   | Aug 2010 | 43 | 88 | 31367 |
| Site 2 |   | Aug 2010 | 20 | 37 | 2045 |
| Site 3 |   | May 2010 | 22 | 36 | 2077 |
| Site 4 |   | Jun 2010 | 12 | 21 | 3287 |
| Site 5 |   | Aug 2010 | 19 | 29 | 1867 |
| Site 6 |   | May 2010 | 12 | 28 | 1574 |
| Site 7 |   | May 2010 | 8 | 27 | 597 |
| Site 8 |   | Apr 2010 | 12 | 21 | 695 |
| Site 9 |   | Apr 2010 | 22 | 24 | 2865 |
| Site 10 |   | Apr 2010 | 24 | 25 | 1986 |
| Site 11 |   | May 2010 | 25 | 20 | 1047 |
| Site 12 |   | Jan 2011 | 46 | 30 | 4802 |
| **Cycle 2** | **RDC & Site** | **May 2011–Feb 2014** |  **252** | **479** | **49514** |
| Site 1 |   | Nov 2012 | 58 | 90 | 12787 |
| Site 2 |   | Aug 2012 | 19 | 62 | 5819 |
| Site 3 |   | Feb 2012 | 19 | 58 | 2066 |
| Site 4 |   | Feb 2012 | 20 | 46 | 3026 |
| Site 8 |   | May 2011 | 18 | 43 | 7215 |
| Site 9 |   | May 2011 | 19 | 43 | 2672 |
| Site 12 |   | Aug 2012 | 73 | 62 | 13601 |
| Site 13 |   | Feb 2012 | 11 | 47 | 1266 |
| Site 14 |   | Feb 2014 | 15 | 28 | 1062 |
| **Cycle 3** |  |  **Nov 2017–Mar 2019** |  **138** | **378** | **48308** |
| Site 1 | RDC & Site | Oct 2018–Mar 2019 | 57 | 98 | 16530 |
| Site 4 |  RDC & Site | Nov 2017 | 15 | 53 | 2393 |
| Site 12 |  RDC & Site | Nov 2018 | 30 | 72 | 14686 |
| Site 13 |  RDC & Site | Nov 2017 | 13 | 65 | 5941 |
| Site 3 | Site | Nov 2017 | 23 | 90 | 8758 |

**Site** represents the HIV clinical site that was audited. **Auditors** refer to a team of auditors from the EA-IeDEA Data Coordinating Center at Indiana University and data management delegates from the clinical site. **Audited records** captures the number of patients’ records that were at least partially reviewed. **Clinical variables reviewed** is the number of unique clinical variables reviewed (e.g., date of birth, HIV diagnosis date, HIV viral load test result). **Audited variables** denotes the total number of data points audited (across all patients, all variables).