#### APPENDICES

#### Appendix 1 - Flow chart of literature search



#### Appendix 2. Characteristics of cohorts included in the review

| Study Code | | Reference | Year of report | Facilities (n) | Sector | Years of cohort enrollment | Number started on ART (n) | Median age (years) | Female (%) | Starting CD4+ count\* |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Africa* | |  |  |  |  |  |  |  |  |  |
| Botswana 1 | | Bussmann1 | 2008 | 1 | Public | 2002 | 633 | 35 | 60% | 67 |
| Botswana 2 | | Farahani2 | 2014 |  | Public | 2002-2010 | 102,713 | 35 | 63% | 151 |
| Burkina Faso 1 | | Harries3 | 2010 | 1 | Public | 2002-2008 | 4,255 | 35 | 69% | 128 |
| Burkina Faso 2 | | Kouanda4 | 2012 | 16 | Public | 2003-2008 | 5,608 |  | 70% | 124 |
| Burkina Faso 3 | | Meda5 | 2013 | 2 |  | 2005-2010 | 867 | 36 | 70% | 152 |
| Cameroon 1 | | Abessolo6 | 2011 | 1 | Public | 2009 | 600 |  |  |  |
| Cameroon 2a | | Ngolle7 | 2011 | 1 | Public | 2006 | 330 |  |  |  |
| Cameroon 2b | | Ngolle7 | 2011 | 1 | Public | 2008 | 295 |  |  |  |
| Cameroon 3 | | Sieleunou8 | 2009 | 1 | Public | 2001-2006 | 1,187 | 35 | 44% | 105 |
| Cameroon 4 | | Mosoko9 | 2011 | 1 | Public | 2002-2005 | 2,920 | 35 | 62% | 107 |
| Cameroon 5 | | Billong10 | 2013 | 1 |  | 2009-2011 | 141 | 35 | 70% | 125 |
| Cote d'Ivoire 1 | | Messou11 | 2011 | 3 | Public | 2006-2007 | 1,573 | 36 | 75% | 148 |
| Cote d'Ivoire 2 | | Toure12 | 2008 | 19 | Public/private | 2004-2007 | 10,211 | 36 | 70% | 123 |
| Cote d'Ivoire 4 | | CDC13 | 2013 |  |  | 2004-2007 | 3,682 | 36 | 66% | 143 |
| Cote d'Ivoire 5 | | Abo14 | 2013 | 1 | Public | 2003-2008 | 1,008 | 35 | 67% | 186 |
| Cote d'Ivoire 3 | | Ekouevi15 | 2010 | 1 |  | 2003-2005 | 247 | 28 | 100% | 188 |
| DRC 2 | | Kitenge-Lubangi16 | 2008 | 3 | Private | 2002-2007 | 68 |  |  |  |
| DRC 1 | | Koole17 | 2012 | 6 |  | 2005-2009 | 1,450 | 40 | 66% | 150 |
| Ethiopia 1 | | Reda18 | 2013 | 3 |  | 2005-2008 | 1,540 | 32 | 63% | 135 |
| Ethiopia 2 | | Balcha19 | 2010 | 5 | Public | 2006-2007 | 1,709 | 33 | 59% | 130 |
| Ethiopia 3 | | Biadgilign20 | 2012 |  |  | 2005-2008 | 1,537 | 32 | 63% | 135 |
| Ethiopia 4 | | Assefa21 | 2011 | 55 | Public/private | 2006-2008 | 37,466 |  |  |  |
| Ethiopia 5 | | Gugsa22 | 2008 | 1 | Public | 2005 | 321 |  | 59% | 111 |
| Ethiopia 6 | | Mulissa23 | 2010 | 1 | Public | 2003-2008 | 1,428 | 34 | 53% | 156 |
| Gambia 1 | | Peterson24 | 2011 | 1 | Public | 2004-2009 | 308 | 35 | 67% | 110 |
| Ghana 1 | | Sarfo25 | 2013 | 1 |  | 2004-2010 | 3,054 | 38 | 67% | 133 |
| Ghana 2 | | Barlow-Mosha26 | 2012 |  |  | 2008 | 290 | 39 | 64% | 183 |
| Ghana 3 | | Okyere27 | 2013 | 2 | Public | 2009-2012 | 91 | 35 | 59% | 161 |
| Guinea Bissau 1 | | Honge28 | 2013 | 1 | Public | 2005-2012 | 2,351 | 38 | 66% |  |
| Kenya 1 | | Chung29 | 2009 | 1 | FBO | 2004-2006 | 1,307 | 36 | 61% | 95 |
| Kenya 2a | | Larson30 | 2013 | 1 | Public | 2007 | 120 |  |  | 98 |
| Kenya 2b | | Larson30 | 2013 | 1 | Private | 2007 | 120 |  |  | 143 |
| Kenya 2c | | Larson30 | 2013 | 1 |  | 2007 | 120 |  |  | 117 |
| Kenya 3 | | Unge31 | 2009 | 1 | FBO | 2005-2007 | 830 | 35 | 65% | 203 |
| Kenya 4 | | Achieng32 | 2012 | 6 |  | 2009-2010 | 301 | 37 | 70% | 170 |
| Kenya 5 | | Ng'ang'a33 | 2012 |  |  | 2003-2010 | 1,676 | 34 | 65% |  |
| Lesotho 1 | | Asiimwe34 | 2009 | 15 | Workplace | 2006-2008 | 3,394 |  | 94% | 173 |
| Lesotho 2 | | Cohen35 | 2009 | 15 | Public | 2006-2008 | 4,064 |  |  |  |
| Lesotho 3 | | Labhardt36 | 2013 | 2 | Public | 2008-2011 | 3,747 |  |  |  |
| Malawi 1 | | Rasschaert37 | 2012 |  |  | 2003-2008 | 12,004 | 35 | 64% |  |
| Malawi 2a | | Le Paih38 | 2009 |  | Public | 2001-2002 | 397 |  |  | 110 |
| Malawi 2b | | Le Paih38 | 2009 |  | Public | 2002-2003 | 1,868 |  |  | 120 |
| Malawi 2c | | Le Paih38 | 2009 |  | Public | 2003-2004 | 2,142 |  |  | 143 |
| Malawi 2d | | Le Paih38 | 2009 |  | Public | 2004-2005 | 1,893 |  |  | 128 |
| Malawi 2e | | Le Paih38 | 2009 |  | Public | 2005-2006 | 3,164 |  |  | 146 |
| Malawi 2f | | Le Paih38 | 2009 |  | Public | 2006-2007 | 1,264 |  |  | 143 |
| Malawi 2g | | Le Paih38 | 2009 |  | Public | 2007-2008 | 6,994 |  |  | 176 |
| Malawi 3 | | Jahn39 | 2010 | 339 | Public | 2004-2009 | 253,154 |  |  |  |
| Morocco 1 | | Brinkhof40 | 2008 |  |  | <2000-2004 | 412 | 35 | 46% | 108 |
| Mozambique 1 | | Palladino41 | 2013 | 16 | Private | 2002-2006 | 142 |  | 42% | 185 |
| Mozambique 2 | | Lambdin42 | 2011 | 18 | Public | 2006-2008 | 11,793 |  | 57% |  |
| Mozambique 3 | | Micek43 | 2009 | 2 | Public | 2004-2005 | 471 |  |  |  |
| Mozambique 4 | | Ehmer44 | 2011 |  |  | 2006 | 2,005 | 34 | 58% | 234 |
| Mozambique 5 | | Moon45 | 2012 |  |  | 2006-2011 | 7,636 | 33 | 61% |  |
| Mozambique 6 | | CDC13 | 2013 |  |  | 2004-2007 | 2,596 | 34 | 61% | 153 |
| Mozambique 7 | | Wandeler46 | 2012 | 2 | Public | 2005-2010 | 1,417 | 32 | 58% | 233 |
| Mozambique 8 | | Shepherd47 | 2013 |  | Public | 2006-2011 | 9,692 | 33 | 60% | 184 |
| Nigeria 1 | | Odafe48 | 2012 | 10 | Public | 2007-2010 | 4,785 | 34 | 59% | 152 |
| Nigeria 2 | | Onoka49 | 2012 | 2 | Public/private | 2008 | 1,034 | 37 | 61% | 170 |
| Nigeria 3 | | Charurat50 | 2010 | 5 | Public | 2005-2006 | 5,760 | 35 | 59% | 121 |
| Nigeria 4 | | Akinwande51 | 2011 | 31 |  | 2009-2010 | 12,764 |  |  | 177 |
| Rwanda 1 | | Franke52 | 2013 | 4 | Public | 2007-2008 | 306 | 37 | 66% | 218 |
| Senegal 1 | | Diouf53 | 2011 |  |  | 1998-2002 | 403 | 37 | 55% | 128 |
| South Africa 01 | | Nglazi54 | 2011 | 1 | Public | 2002-2008 | 3,162 | 34 | 67% | 104 |
| South Africa 02 | | Fatti55 | 2012 | 17 | Public | 2004-2010 | 47,285 | 35 | 68% | 122 |
| South Africa 03 | | Kranzer56 | 2010 | 1 | Public | 2004-2009 | 1,154 | 32 | 65% | 122 |
| South Africa 04 | | Buhlungu57 | 2008 | 1 |  | 2002-2004 | 226 |  | 73% |  |
| South Africa 05 | | Dahab58 | 2011 | 1 | Public | 2005-2007 | 267 | 37 | 64% |  |
| South Africa 06 | | Innes59 | 2012 | 72 | Private | 2005-2008 | 9,102 | 34 | 62% | 123 |
| South Africa 07 | | Peltzer60 | 2011 | 3 | Public | 2007-2008 | 735 | 36 | 71% | 119 |
| South Africa 08 | | Searle61 | 2009 | 1 | Public | 2004-2008 | 2,102 |  | 65% |  |
| South Africa 09 | | Hoffmann62 | 2011 | 279 | Public/private | 2003-2008 | 15,060 | 38 | 36% | 127 |
| South Africa 10 | | Osler63 | 2009 |  | Public | 2004-2008 | 49,383 |  | 69% |  |
| South Africa 11 | | Evans64 | 2013 | 7 | Public | 2004-2010 | 40,176 |  | 63% | 105 |
| South Africa 12 | | Van Cutsem65 | 2011 | 3 | Public | 2001-2007 | 6,411 | 32 | 68% | 99 |
| South Africa 13 | | Clouse66 | 2013 | 1 | NGO | 2010 | 1,380 |  | 70% | 183 |
| South Africa 14 | | MacPherson67 | 2009 | 1 | Public | 2005-2007 | 1,353 | 37 | 67% | 93 |
| South Africa 15 | | Barth68 | 2008 | 1 | NGO | 2003-2006 | 609 | 35 | 71% | 67 |
| South Africa 16a | | Fox69 | 2012 | 1 | Public | 2004-2005 | 1,794 | 35 | 69% | 82 |
| South Africa 16b | | Fox69 | 2012 | 1 | Public | 2005-2006 | 2,154 | 35 | 67% | 90 |
| South Africa 16c | | Fox69 | 2012 | 1 | Public | 2006-2007 | 2,617 | 36 | 64% | 84 |
| South Africa 16d | | Fox69 | 2012 | 1 | Public | 2007-2008 | 1,996 | 36 | 61% | 82 |
| South Africa 16e | | Fox69 | 2012 | 1 | Public | 2008-2009 | 2,185 | 37 | 63% | 99 |
| South Africa 16f | | Fox69 | 2012 | 1 | Public | 2009-2010 | 2,481 | 37 | 58% | 114 |
| South Africa 17 | | Khan70 | 2009 | 1 | Public | 2004-2005 | 684 |  | 73% |  |
| South Africa 18 | | Ojikutu71 | 2008 | 1 | Semi-private | 1999-2004 | 309 | 38 | 56% | 65 |
| South Africa 19 | | Vella72 | 2010 | 32 | Public | 2004-2006 | 2,835 | 34 | 67% |  |
| South Africa 20 | | Nachega73 | 2008 |  | Private | 1998-2004 | 2,817 | 37 | 63% | 147 |
| South Africa 21 | | Mutevedzi74 | 2013 | 17 | Public | 2004-2011 | 4,674 | 34 | 71% | 129 |
| South Africa 22 | | Ahonkhai75 | 2012 | 71 | FBO/NGO | 2004-2008 | 11,397 | 35 | 67% | 101 |
| Swaziland 1 | | Takuva76 | 2013 | 1 | Public | 2006-2007 | 769 | 36 | 67% | 115 |
| Swaziland 2 | | CDC13 | 2013 |  |  | 2004-2010 | 2,510 | 34 | 65% | 147 |
| Tanzania 1 | | Mossdorf77 | 2011 | 1 | Public | 2005-2008 | 1,463 | 40 | 65% | 131 |
| Tanzania 2 | | Kilama78 | 2013 | 348 | Public | 2004-2010 | 255,143 |  | 65% |  |
| Tanzania 3 | | Johannessen79 | 2008 | 1 | FBO | 2003-2006 | 320 | 35 | 70% |  |
| Tanzania 4 | | Hawkins80 | 2011 | 12 | Public | 2004-2008 | 12,842 | 37 | 66% | 131 |
| Tanzania 5 | | CDC13 | 2013 |  |  | 2004-2009 | 1,458 | 36 | 67% | 132 |
| Togo 1 | | Saka81 | 2013 | 28 |  | 2008-2011 | 16,617 | 32 | 62% | 119 |
| Uganda 1 | | Bajunirwe82 | 2009 | 1 | Public | 2004-2006 | 399 | 38 | 60% |  |
| Uganda 2 | | Funk83 | 2012 | 1 | Public | 2004-2011 | 8,835 | 31 | 63% | 172 |
| Uganda 3 | | Geng84 | 2011 | 1 | Public | 2004-2007 | 3,628 | 35 | 61% | 95 |
| Uganda 4 | | Mills85 | 2011 |  | Public | 2000-2010 | 22,315 | 27 | 69% | 142 |
| Uganda 5 | | Kiragga86 | 2013 | 1 |  | 2005-2007 | 5,633 |  |  | 93 |
| Uganda 6 | | Mudiope87 | 2013 | 1 |  | 2003-2010 | 289 | 29 | 100% | 176 |
| Uganda 7 | | Burkey88 | 2013 | 1 |  | 2003-2005 | 1,763 | 36 | 71% |  |
| Uganda 8 | | Namuwenge89 | 2012 | 201 | Public | 2010 | 27,425 |  |  |  |
| Uganda 9 | | CDC13 | 2013 |  |  | 2004-2009 | 1,472 | 35 | 65% | 138 |
| Zambia 1 | | Torpey90 | 2008 |  |  | 2005-2006 | 3,902 |  |  |  |
| Zambia 2 | | Schoni-Affolter91 | 2011 | 68 | Public | 2004-2008 | 89,339 | 35 | 61% | 147 |
| Zambia 3 | | Moyo92 | 2011 | 3 | Public | 2007-2010 | 1,084 |  | 57% |  |
| Zambia 4 | | CDC13 | 2013 |  |  | 2004-2009 | 1,457 | 35 | 60% | 134 |
| Zimbabwe 1 | | Bygrave93 | 2012 | 25 | Public | 2005-2008 | 592 | 26 | 82% | 111 |
| Zimbabwe 2 | | Mutasa-Apollo94 | 2014 | 40 | Public | 2007-2009 | 3,919 | 37 | 64% | 121 |
| Zimbabwe 3 | | Wandeler46 | 2012 | 2 | Public | 2005-2010 | 3,030 | 39 | 68% | 109 |
| Africa region (114 cohorts) | | | |  |  |  | **1,128,210** | **35** | **65%** | **134** |
| *Asia* |  | |  |  |  |  |  |  |  |  |
| Cambodia 2 | van Griensven95 | | 2011 | 1 | Public | 2003-2010 | 2,840 | 30 | 53% | 78 |
| Cambodia 3 | Argemi96 | | 2012 | 1 | Public | 2004-2009 | 1,010 | 40 | 50% | 83 |
| Cambodia 4 | Morineau97 | | 2009 | 1 | Public | 2005-2007 | 549 | 34 | 53% | 69 |
| Cambodia 1 | Pujades-Rodriguez98 | | 2011 | 1 | Public | 2002-2003 | 467 | 34 | 40% | 16 |
| China 1 | Zhu99 | | 2012 |  | Public | 2003-2010 | 67,732 | 38 | 37% | 131 |
| China 2 | Spillane100 | | 2012 |  |  | 2003-2009 | 1,014 | 34 | 34% | 91 |
| India 1 | McMahon101 | | 2013 | 1 | Public/private | 2009-2010 | 230 | 38 | 39% | 146 |
| India 2a | Hingankar102 | | 2012 | 1 |  | 2008 | 150 | 36 | 38% |  |
| India 2b | Hingankar102 | | 2012 | 1 |  | 2007 | 148 | 37 | 38% |  |
| India 3 | Sharma103 | | 2010 | 1 | Public | 2005-2006 | 631 | 36 | 20% | 110 |
| India 4 | Rewari104 | | 2008 | 3 | Public | 2004-2005 | 972 | 35 | 34% | 119 |
| India 5 | Brinkhof40 | | 2008 |  |  | <2000-2004 | 717 | 35 | 46% | 83 |
| India 6 | Rai105 | | 2013 | 1 | Public | 2007 | 239 | 35 | 24% | 118 |
| India 7 | Ghate106 | | 2013 |  | Public | 2005-2008 | 142 | 32 | 40% | 109 |
| India 8a | Chadha107 | | 2013 | 1 |  | 2007-2010 | 43 | 33 | 48% | 108 |
| India 8b | Chadha107 | | 2013 | 1 |  | 2007-2010 | 44 | 33 | 48% | 311 |
| India 8c | Chadha107 | | 2013 | 1 |  | 2007-2010 | 43 | 33 | 48% | 584 |
| India 9 | Alvarez-Uria108 | | 2013 |  | NGO | 2007-2011 | 3,159 | 34 | 41% | 140 |
| Indonesia | Wisaksana109 | | 2009 | 1 |  | 1996-2008 | 96 | 29 | 9% | 115 |
| Laos 1 | Bastard110 | | 2013 |  | Public | 2003-2009 | 913 | 32 | 44% | 49 |
| Myanmar 1 | Sabapathy111 | | 2012 | 10 |  | 2003-2007 | 5,963 | 33 | 39% | 71 |
| Nepal 1 | Bhatta112 | | 2013 | 5 | Public | 2006-2011 | 1,049 | 35 | 49% | 149 |
| Papua New Guinea 1 | Das113 | | 2013 | 1 | Public | 2006-2010 | 993 |  | 63% | 158 |
| Thailand 1 | Brinkhof40 | | 2008 |  |  | <2000-2004 | 36 | 35 | 46% | 121 |
| Thailand 2 | Ruxrungtham114 | | 2013 | 1001 | Public | 2000-2012 | 213,753 | 36 | 48% | 130 |
| Vietnam 1 | Le115 | | 2012 | 3 | Public | 2008 | 466 |  | 56% | 95 |
| Vietnam 2 | Duong116 | | 2010 | 27 | Public | 2005-2008 | 11,432 |  |  |  |
| Vietnam 3 | Nguyen117 | | 2013 | 30 | Public | 2005-2009 | 1,604 | 29 | 57% | 78 |
| Asia region (28 cohorts) |  | |  |  |  | **316,435** | **34** | **42%** | **130** |
| *LAC* |  | |  |  |  |  |  |  |  |  |
| Brazil 1 | Brinkhof40 | | 2008 |  |  | <2000-2004 | 541 | 35 | 46% | 166 |
| Brazil 2 | Brinkhof40 | | 2008 |  |  | <2000-2004 | 516 | 35 | 46% | 161 |
| Brazil 3 | Tuboi118 | | 2009 |  |  | 1996-2007 | 522 | 37 | 34% | 153 |
| Brazil 4 | Cardoso119 | | 2010 | 1 | Public | 1996-2006 | 702 | 36 | 35% |  |
| Dominican Republic 1 | Koenig120 | | 2012 |  |  | 1998-2008 | 1,207 | 38 | 52% | 96 |
| Guyana 1 | Halpern121 | | 2010 |  | Public | 2002 | 25 |  |  |  |
| Haiti 1 | Koenig120 | | 2012 |  |  | 1998-2008 | 4,717 | 38 | 54% | 122 |
| Honduras 1 | Tuboi118 | | 2009 |  |  | 1996-2007 | 328 | 37 | 39% | 105 |
| Jamaica 1 | Koenig120 | | 2012 |  |  | 1998-2008 | 476 | 38 | 48% | 123 |
| Nicaragua 1 | Shakir122 | | 2010 | 1 |  | 2005-2010 | 166 | 29 | 42% |  |
| Peru 1 | Tuboi118 | | 2009 |  |  | 1996-2007 | 873 | 34 | 30% | 79 |
| Peru 2 | Munoz123 | | 2010 |  | Public | 2005-2007 | 55 | 32 | 53% | 110 |
| LAC region (12 cohorts) |  | |  |  |  | **10,128** | **25** | **44%** | **124** |  |
| Total (154 cohorts) |  | |  |  |  | **1,554,773** | **35** | **58%** | **132** |  |

**Appendix 3. Definitions of loss to follow-up used by the studies included in the review**

|  |  |
| --- | --- |
| **Study code** | **Definition of loss to follow-up** |
| Botswana 2 | Did not return to a treatment centre for >90 days |
| Brazil 1 | Last follow-up visit occurred during first 6 months after starting ART |
| Brazil 2 | Last follow-up visit occurred during first 6 months after starting ART |
| Brazil 3 | Status (alive or dead) 365 days after HAART initiation was not known and if their last visit occurred more than 365 days before the closing date of the database |
| Brazil 4 | Missed three consecutive visits or did not return before the end of the study period |
| Burkina Faso 1 | Did not attend the clinic for 1month or more after their scheduled follow-up appointment |
| Cambodia 2 | Not presenting at the hospital for 6 months |
| Cambodia 4 | Did not attend the clinic for 2 consecutive months |
| Cambodia 1 | Missed their last clinical appointment by 2 months or more |
| Cameroon 3 | Did not return for >3 months |
| Cameroon 4 | Failed to return for last scheduled clinic visit and not seen within 91 days prior to the end date of 31 December 2005 |
| China 1 | Not having a visit for at least 210 days |
| China 2 | Missing an appointment by more than 3 months on the date of analysis |
| Cote d'Ivoire 1 | Last contact was <month 12; not known to be dead or transferred out before month 12 and no information on their vital status |
| Cote d'Ivoire 2 | Last contact was >= 3months while not known to be dead or transferred out |
| Cote d'Ivoire 4 | Not attended the facility in the 90 days preceding data abstraction |
| Cote d'Ivoire 5 | Last contact was prior to 31 Dec 2008, and who were not found to be deceased, alive, or transferred out up to August 31st 2009 |
| Dominican Republic 1 | No visit within 6 months of the closing date of the database |
| Ethiopia 2 | Late for last appointment by >= 3 months |
| Ethiopia 6 | Did not attend the hospital within the previous 30 days |
| Gambia 1 | Not attended the clinic for at least 3 months after their last scheduled appointment |
| Ghana 3 | Not defined |
| Guinea Bissau 1 | Not visited the clinic for 90 days (60 days after the next appointment) |
| Haiti 1 | Not known to be dead and had at least 1 visit within 6 months of the closing date of the database |
| Honduras 1 | Vital status 365 days after HAART initiation not known and last visit occurred > 365 days before closing date of the database |
| India 1 | Vital status could not be ascertained and had not attended the clinic or picked up ART within 90 days of their last missed appointment |
| India 5 | Last follow-up visit occurred during the first 6 months after starting ART |
| India 7 | Did not collect drugs at their scheduled visits |
| Indonesia | Not returning for > 3 months without confirmation of death or transfer |
| Jamaica 1 | Not known to be dead and no visit within 6 months of the closing date of the database |
| Kenya 2a | > 3 months late for scheduled appointment closest to the end of month 12 |
| Kenya 2b | > 3 months late for scheduled appointment closest to the end of month 12 |
| Kenya 2c | > 3 months late for scheduled appointment closest to the end of month 12 |
| Kenya 3 | Not showed up 90 days after the last prescribed dose |
| Kenya 4 | Not appearing for any treatment activities for 90 days and inability to find the subject |
| Lesotho 3 | Not returning to the facility for >= six months after at least one visit, and not being reported dead or transferred out |
| Malawi 1 | Not attended the clinic for 3 months since the last scheduled appointment date |
| Morocco 1 | Last follow-up visit occurred during the first 6 months after starting ART |
| Mozambique 2 | Failed to return for treatment for 2 months beyond their missed ART refill visit for reasons unrelated to death |
| Mozambique 6 | Not returning to the facility in the 90 days preceding data abstraction |
| Mozambique 7 | Not returning to the facility for 6 months or longer |
| Mozambique 8 | > 6 months late for a visit or medication pickup |
| Myanmar 1 | > 60 days from last appointment |
| Nigeria 1 | Failed to return to the clinic after 90 days from their expected clinic appointment date |
| Nigeria 2 | Missed three clinic visits or medication pick- up |
| Nigeria 3 | Did not return to the clinic more than 60 days from their last expected visit |
| Peru 1 | Last visit occurred more than 365 days before the closing date of the database and status uknown |
| Rwanda 1 | Not returned to the clinic for at least 60 consecutive days |
| South Africa 02 | No visits to the clinic occurred for 180 days or more |
| South Africa 03 | Stopped ART for more than 30 days and had not returned to care at the time of censoring |
| South Africa 05 | Missed 6-month ART clinic visit by >= 1 month |
| South Africa 06 | Had not presented for 6 months after the last visit and were not known to have died |
| South Africa 07 | Missing the 6- and/or 12-month scheduled study follow-up appointment and missed the clinic appointment for two consecutive months |
| South Africa 11 | Missed a clinic appointment by >=3 months after the scheduled visit date |
| South Africa 12 | Patients were considered as LTF if their last clinic visit occurred at least 6 months before the end of the observation period (31 December 2007) |
| South Africa 13 | Not returning to the clinic within 3 months of the patient’s last missed scheduled visit |
| South Africa 14 | Patients who could not be traced and did not subsequently return to the clinic during the study period |
| South Africa 16a | >= 3 months late for a scheduled visit with no later visit |
| South Africa 16b | >= 3 months late for a scheduled visit with no later visit |
| South Africa 16c | >= 3 months late for a scheduled visit with no later visit |
| South Africa 16d | >= 3 months late for a scheduled visit with no later visit |
| South Africa 16e | >= 3 months late for a scheduled visit with no later visit |
| South Africa 16f | >= 3 months late for a scheduled visit with no later visit |
| South Africa 17 | Failure to collect ARVs was considered attrition |
| South Africa 18 | Did not return to the clinic within 6 months of the conclusion of the study |
| South Africa 19 | Last visit occurred more than 3 months before July 1, 2007 |
| South Africa 21 | No clinic visit for 180 day |
| South Africa 22 | No follow-up visits between 30 and 400 days after ART initiation |
| Swaziland 2 | Not attended the facility in the 90 days preceding data abstraction for either medication refill or a clinician visit |
| Tanzania 1 | Not showing up on two consecutive visits, i.e. for a period of 6 months |
| Tanzania 4 | No clinic visit or ART refills for >3 months |
| Tanzania 5 | Not attended the facility in the 90 days preceding data abstraction for either medication refill or a clinician visit |
| Thailand 1 | Last follow-up visit occurred during the first 6 months after starting ART |
| Togo 1 | No evidence that patient had died or moved four months after the last visit |
| Uganda 2 | Have not attended the clinic for 12 months |
| Uganda 3 | 3 months after expected return visit |
| Uganda 7 | No clinic visits over a final 90-day period in patients previously on ART without reported death or known transfer of care |
| Uganda 9 | Not attended the facility in the 90 days preceding data abstraction for either medication refill or a clinician visit |
| Vietnam 3 | Had not presented to the clinic for more than 90 days since their last recorded visit |
| Zambia 2 | > 14 months late for their most recent clinical or pharmacy visit |
| Zambia 4 | Not attended the facility in the 90 days preceding data abstraction for either medication refill or a clinician visit |
| Zimbabwe 1 | Non-attendance for a period of three months after the last ART prescription had been completed |
| Zimbabwe 3 | Not returning to the facility for >= 6 months |

**Appendix 4. Weighted average attrition by duration of reporting**



**Appendix 5. Sensitivity analysis: best case, worst case, and midpoint case scenarios**

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