

S2 table -title : Data set of CD4 cell and viral measures in adolescents on antiretroviral therapy , Cameroon).

| DICO_ID | AGE | SEX | Parental Survival | Weight | Height | Year of ART Start | AGE AT START in years | Story of Change in protocol | Year of protocol change | Number of Viral load measures | Current viral load | ABSOLUTE CD4 CELL COUNT | PERMANENT VIRAL SUPPRESSION | viral resupresion | Missing doses of ART |
|---------|-----|--------|-------------------|--------|--------|-------------------|-----------------------|-----------------------------|-------------------------|-------------------------------|--------------------|-------------------------|-----------------------------|-------------------|----------------------|
| 1 | 12 | male | 2 | 36 | 146 | 2011 | 7 | 2 NA | | 2 | 0 | 693 | 1 | 2 | 1 |
| 2 | 16 | male | 1 | 62 | 176 | 2005 | 4 | 2 NA | | 10 | 0 | 900 | 2 | 1 | 1 |
| 3 | 12 | Female | 2 | 38 | 149 | 2005 | 1 | 2 NA | | 3 | 0 | 1404 | 1 | 2 | 1 |
| 4 | 12 | male | 4 | 38 | 142 | 2007 | 3 | 2 NA | | 10 | 0 | 1141 | 1 | 2 | 2 |
| 5 | 11 | male | 2 | 28 | 132 | 2011 | 6 | 2 NA | | 2 | 0 | 1043 | 2 | 1 | 1 |
| 6 | 10 | Female | 2 | 42 | 158 | 2009 | 3 | 2 NA | | 7 | 5302 | 844 | 2 | 1 | 1 |
| 7 | 11 | Female | 4 | 25 | 132 | 2013 | 8 | 2 NA | | 0 NA | | 576 | 1 | 2 | 2 |
| 8 | 12 | Female | 1 | 31 | 137 | 2004 | 0 | 2 NA | | 6 | 0 | 806 | 1 | 2 | 2 |
| 9 | 11 | male | 4 | 33 | 142 | 2005 | 0 | 1 | 2008 | 11 | 0 | 1180 | 2 | 1 | 1 |
| 10 | 12 | male | 2 | 32 | 134 | 2014 | 10 | 2 NA | | 6 | 0 | 1155 | 1 | 2 | 2 |
| 11 | 11 | male | 1 | 39 | 136 | 2008 | 3 | 2 NA | | 4 | 0 | 1254 | 2 | 1 | 1 |
| 12 | 11 | male | 4 | 26 | 133 | 2006 | 2 | 2 NA | | 7 | 213 | 1254 | 2 | 1 | 1 |
| 13 | 17 | Female | 3 | 44 | 147 | 2009 | 10 | 2 NA | | 6 | 0 | 998 | 2 | 1 | 1 |
| 14 | 13 | Female | 4 | 43 | 151 | 2008 | 5 | 2 NA | | 7 | 0 | 1216 | 1 | 2 | 1 |
| 15 | 10 | Female | 2 | 35 | 127 | 2007 | 0 | 2 NA | | 5 | 0 | 2134 | 1 | 2 | 1 |
| 16 | 17 | male | 2 | 49 | 146 | 2009 | 10 | 1 | 2013 | 5 | 427 | 958 | 2 | 1 | 1 |
| 17 | 19 | male | 3 | 42 | 150 | 2006 | 9 | 2 NA | | 9 | 0 | 817 | 2 | 1 | 1 |
| 18 | 13 | Female | 4 | 56 | 145 | 2011 | 8 | 2 NA | | 4 | 0 | 632 | 1 | 2 | 2 |
| 19 | 11 | Female | 4 | 28 | 134 | 2011 | 6 | 2 NA | | 4 | 0 | 1932 | 1 | 2 | 2 |
| 20 | 12 | Female | 1 | 39 | 140 | 2009 | 5 | 2 NA | | 3 | 0 | 1862 | 1 | 2 | 1 |
| 21 | 10 | Female | 2 | 25 | 125 | 2014 | 8 | 2 NA | | 1 | 30123 | 134 | 2 | 1 | 1 |
| 22 | 14 | Female | 2 | 41 | 142 | 2006 | 4 | 1 | 2009 | 9 | 59512 | 412 | 2 | 1 | 2 |
| 23 | 13 | Female | 2 | 27 | 132 | 2012 | 9 | 2 NA | | 2 | 0 | 1192 | 1 | 2 | 2 |
| 24 | 15 | Female | 4 | 55 | 156 | 2009 | 8 | 2 NA | | 6 | 0 | 680 | 2 | 1 | 1 |
| 25 | 14 | Female | 2 | 45 | 154 | 2004 | 0 | 1 | 2009 | 10 | 0 | 628 | 2 | 1 | 1 |

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|----|-----------|---|----|-----|------|----|--------|----|--------|------|---|---|---|
| 26 | 11 male | 2 | 30 | 135 | 2011 | 6 | 2 NA | 3 | 90360 | 1012 | 2 | 1 | 1 |
| 27 | 16 Female | 4 | 61 | 160 | 2009 | 9 | 2 NA | 7 | 0 | 948 | 1 | 2 | 2 |
| 28 | 16 male | 2 | 41 | 151 | 2013 | 13 | 2 NA | 4 | 0 | 1178 | 1 | 2 | 1 |
| 29 | 13 Female | 4 | 42 | 146 | 2013 | 10 | 2 NA | 1 | 0 | 587 | 1 | 2 | 2 |
| 30 | 13 Female | 4 | 41 | 147 | 2011 | 8 | 2 NA | 4 | 0 | 898 | 1 | 2 | 1 |
| 31 | 14 Female | 4 | 36 | 140 | 2004 | 2 | 2 NA | 7 | 0 | 628 | 1 | 2 | 2 |
| 32 | 15 male | 4 | 44 | 158 | 2011 | 10 | 2 NA | 9 | 0 | 978 | 1 | 2 | 2 |
| 33 | 17 Female | 4 | 50 | 143 | 2003 | 5 | 1 2009 | 12 | 0 | 987 | 2 | 1 | 1 |
| 34 | 18 male | 4 | 62 | 164 | 2006 | 8 | 2 NA | 12 | 0 | 634 | 2 | 1 | 2 |
| 35 | 12 male | 4 | 40 | 150 | 2003 | 0 | 2 NA | 7 | 0 | 1287 | 1 | 2 | 1 |
| 36 | 15 male | 1 | 52 | 168 | 2005 | 4 | 2 NA | 11 | 0 | 490 | 1 | 2 | 1 |
| 37 | 15 male | 4 | 56 | 169 | 2004 | 3 | 2 NA | 6 | 0 | 1148 | 1 | 2 | 1 |
| 38 | 11 male | 4 | 38 | 135 | 2005 | 0 | 2 NA | 7 | 0 | 859 | 1 | 2 | 2 |
| 39 | 15 male | 4 | 47 | 151 | 2006 | 5 | 1 2007 | 6 | 8942 | 461 | 2 | 1 | 1 |
| 40 | 13 Female | 2 | 45 | 151 | 2010 | 7 | 2 NA | 3 | 3000 | 524 | 2 | 1 | 1 |
| 41 | 13 male | 4 | 46 | 150 | 2008 | 8 | 2 NA | 10 | 0 | 669 | 2 | 1 | 1 |
| 42 | 16 male | 1 | 55 | 172 | 2004 | 4 | 1 2009 | 12 | 138556 | 422 | 2 | 1 | 1 |
| 43 | 11 Female | 4 | 57 | 144 | 2005 | 0 | 2 NA | 8 | 0 | 896 | 1 | 2 | 2 |
| 44 | 17 Female | 4 | 35 | 128 | 2014 | 15 | 2 NA | 3 | 93274 | 500 | 2 | 1 | 2 |
| 45 | 14 male | 4 | 32 | 139 | 2011 | 9 | 2 NA | 1 | 5648 | 553 | 2 | 1 | 2 |
| 46 | 14 male | 4 | 33 | 136 | 2007 | 5 | 1 2009 | 4 | 0 | 1086 | 2 | 1 | 1 |
| 47 | 12 Female | 1 | 40 | 147 | 2014 | 9 | 2 NA | 2 | 0 | 470 | 1 | 2 | 2 |
| 48 | 14 Female | 2 | 34 | 141 | 2007 | 5 | 2 NA | 3 | 0 | 462 | 2 | 1 | 1 |
| 49 | 17 Female | 3 | 59 | 152 | 2014 | 15 | 2 NA | 1 | 302 | 353 | 2 | 1 | 1 |
| 50 | 15 male | 2 | 48 | 160 | 2011 | 11 | 2 NA | 5 | 0 | 457 | 2 | 1 | 1 |
| 51 | 13 male | 4 | 44 | 154 | 2009 | 6 | 2 NA | 4 | 0 | 1176 | 2 | 1 | 2 |
| 52 | 16 Female | 4 | 54 | 148 | 2010 | 10 | 2 NA | 3 | 1062 | 867 | 2 | 1 | 1 |
| 53 | 12 Female | 4 | 45 | 149 | 2009 | 5 | 2 NA | 3 | 0 | 1248 | 1 | 2 | 1 |
| 54 | 11 Female | 2 | 23 | 138 | 2012 | 7 | 2 NA | 3 | 0 | 896 | 1 | 2 | 2 |
| 55 | 13 male | 4 | 41 | 138 | 2011 | 8 | 2 NA | 4 | 0 | 714 | 1 | 2 | 1 |
| 56 | 10 Female | 3 | 28 | 122 | 2015 | 9 | 2 NA | 2 | 0 | 488 | 1 | 2 | 2 |
| 57 | 15 male | 1 | 51 | 162 | 2004 | 3 | 2 NA | 7 | 0 | 941 | 1 | 2 | 1 |
| 58 | 11 Female | 4 | 36 | 131 | 2014 | 8 | 2 NA | 2 | 1140 | 462 | 2 | 1 | 1 |

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|----|-----------|---|----|-----|------|----|------|------|----|--------|------|---|---|---|
| 59 | 12 Female | 4 | 33 | 138 | 2008 | 4 | 1 | 2010 | 10 | 78 | 669 | 2 | 1 | 1 |
| 60 | 19 Female | 3 | 54 | 142 | 2015 | 18 | 2 NA | | 2 | 134 | 669 | 1 | 2 | 2 |
| 61 | 15 Female | 4 | 48 | 154 | 2008 | 7 | 2 NA | | 10 | 0 | 1192 | 1 | 2 | 1 |
| 62 | 13 Female | 4 | 30 | 152 | 2012 | 9 | 2 NA | | 2 | 0 | 1302 | 1 | 2 | 2 |
| 63 | 16 male | 3 | 50 | 148 | 2007 | 7 | 1 | 2008 | 8 | 0 | 709 | 2 | 1 | 1 |
| 64 | 10 Female | 4 | 31 | 124 | 2013 | 7 | 2 NA | | 2 | 0 | 645 | 1 | 2 | 1 |
| 65 | 11 Female | 4 | 27 | 130 | 2013 | 8 | 2 NA | | 2 | 0 | 967 | 1 | 2 | 1 |
| 66 | 13 Female | 4 | 34 | 140 | 2013 | 10 | 2 NA | | 2 | 0 | 552 | 1 | 2 | 1 |
| 67 | 12 Female | 4 | 26 | 132 | 2009 | 5 | 1 | 2014 | 2 | 0 | 515 | 2 | 1 | 1 |
| 68 | 13 Female | 4 | 39 | 142 | 2014 | 11 | 2 NA | | 2 | 0 | 905 | 1 | 2 | 2 |
| 69 | 13 male | 1 | 39 | 122 | 2010 | 7 | 2 NA | | 4 | 0 | 1525 | 1 | 2 | 1 |
| 70 | 12 male | 2 | 26 | 135 | 2015 | 11 | 2 NA | | 1 | 651418 | 46 | 1 | 2 | 2 |
| 71 | 14 Female | 4 | 47 | 140 | 2002 | 0 | 1 | 2008 | 12 | 0 | 1342 | 2 | 1 | 1 |
| 72 | 16 male | 3 | 46 | 154 | 2015 | 15 | 2 NA | | 1 | 5148 | 306 | 1 | 2 | 1 |
| 73 | 18 male | 4 | 66 | 168 | 2009 | 11 | 1 | 2011 | 12 | 0 | 908 | 2 | 1 | 1 |
| 74 | 18 Female | 4 | 50 | 153 | 2012 | 14 | 2 NA | | 4 | 0 | 1175 | 1 | 2 | 2 |
| 75 | 13 Female | 4 | 33 | 145 | 2010 | 7 | 2 NA | | 8 | 0 | 984 | 1 | 2 | 1 |
| 76 | 11 Female | 3 | 36 | 140 | 2011 | 6 | 2 NA | | 3 | 248 | 883 | 2 | 1 | 1 |
| 77 | 14 male | 1 | 36 | 145 | 2011 | 9 | 2 NA | | 2 | 0 | 763 | 1 | 2 | 1 |
| 78 | 12 male | 4 | 30 | 137 | 2008 | 4 | 2 NA | | 6 | 0 | 911 | 1 | 2 | 1 |
| 79 | 14 male | 4 | 48 | 142 | 2009 | 7 | 2 NA | | 4 | 0 | 480 | 1 | 2 | 1 |
| 80 | 17 male | 3 | 56 | 158 | 2010 | 11 | 2 NA | | 5 | 27699 | 579 | 2 | 1 | 1 |
| 81 | 14 male | 3 | 32 | 135 | 2004 | 2 | 1 | 2009 | 11 | 0 | 656 | 2 | 1 | 2 |
| 82 | 13 Female | 1 | 29 | 130 | 2009 | 5 | 2 NA | | 5 | 546 | 965 | 2 | 1 | 2 |
| 83 | 17 Female | 3 | 55 | 157 | 2014 | 15 | 2 NA | | 3 | 26590 | 193 | 2 | 1 | 2 |
| 84 | 10 male | 4 | 36 | 128 | 2007 | 1 | 2 NA | | 8 | 0 | 1117 | 1 | 2 | 1 |
| 85 | 17 male | 3 | 43 | 161 | 2009 | 10 | 2 NA | | 6 | 0 | 1012 | 1 | 2 | 2 |
| 86 | 15 male | 1 | 33 | 137 | 2007 | 6 | 2 NA | | 8 | 352 | 368 | 2 | 1 | 1 |
| 87 | 17 Female | 3 | 68 | 165 | 2000 | 1 | 2 NA | | 9 | 143 | 786 | 2 | 1 | 1 |
| 88 | 17 Female | 3 | 40 | 152 | 2012 | 13 | 2 NA | | 2 | 0 | 821 | 1 | 2 | 2 |
| 89 | 11 Female | 3 | 30 | 136 | 2011 | 6 | 2 NA | | 3 | 0 | 976 | 1 | 2 | 2 |
| 90 | 17 Female | 3 | 63 | 160 | 2001 | 3 | 2 NA | | 8 | 4855 | 621 | 2 | 1 | 1 |
| 91 | 11 male | 3 | 32 | 141 | 2006 | 1 | 2 NA | | 6 | 0 | 864 | 1 | 2 | 2 |

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|-----|-----------|---|----|-----|------|----|--------|----|--------|------|---|---|---|
| 92 | 11 male | 4 | 32 | 151 | 2009 | 4 | 2 NA | 4 | 0 | 1140 | 1 | 2 | 2 |
| 93 | 10 Female | 4 | 21 | 117 | 2012 | 6 | 2 NA | 7 | 0 | 1900 | 1 | 2 | 1 |
| 94 | 10 Female | 3 | 26 | 117 | 2008 | 2 | 2 NA | 5 | 0 | 1086 | 1 | 2 | 1 |
| 95 | 13 Female | 4 | 34 | 143 | 2009 | 6 | 1 2014 | 4 | 0 | 857 | 2 | 1 | 1 |
| 96 | 14 Female | 4 | 47 | 156 | 2011 | 9 | 2 NA | 5 | 0 | 746 | 1 | 2 | 1 |
| 97 | 11 male | 2 | 25 | 123 | 2011 | 6 | 2 NA | 2 | 90360 | 1012 | 2 | 1 | 2 |
| 98 | 12 Female | 4 | 32 | 147 | 2011 | 7 | 1 2013 | 3 | 0 | 549 | 2 | 1 | 2 |
| 99 | 19 male | 3 | 64 | 178 | 2003 | 6 | 1 2015 | 12 | 350962 | 456 | 2 | 1 | 2 |
| 100 | 11 Female | 2 | 38 | 132 | 2009 | 4 | 2 NA | 5 | 0 | 1649 | 1 | 2 | 2 |
| 101 | 16 male | 4 | 44 | 156 | 2003 | 3 | 1 2004 | 12 | 0 | 1692 | 2 | 1 | 1 |
| 102 | 16 male | 2 | 46 | 162 | 2007 | 7 | 2 NA | 9 | 13614 | 12 | 2 | 1 | 1 |
| 103 | 16 Female | 4 | 51 | 144 | 2005 | 5 | 2 NA | 6 | 0 | 776 | 2 | 1 | 2 |
| 104 | 15 Female | 1 | 40 | 150 | 2007 | 6 | 2 NA | 4 | 5489 | 322 | 2 | 1 | 1 |
| 105 | 19 male | 3 | 61 | 172 | 2004 | 7 | 2 NA | 12 | 33956 | 441 | 2 | 1 | 2 |
| 106 | 13 male | 1 | 33 | 140 | 2009 | 6 | 2 NA | 3 | 1218 | 435 | 2 | 1 | 1 |
| 107 | 18 male | 4 | 50 | 164 | 2009 | 11 | 2 NA | 3 | 0 | 904 | 2 | 1 | 1 |
| 108 | 18 Female | 2 | 56 | 163 | 2008 | 10 | 2 NA | 7 | 0 | 1103 | 2 | 1 | 1 |
| 109 | 11 male | 4 | 44 | 156 | 2005 | 0 | 2 NA | 12 | 708 | 879 | 2 | 1 | 2 |
| 110 | 15 Female | 3 | 36 | 152 | 2014 | 13 | 2 NA | 2 | 28778 | 309 | 1 | 2 | 1 |
| 111 | 16 male | 4 | 58 | 171 | 2006 | 6 | 2 NA | 5 | 0 | 1117 | 1 | 2 | 1 |
| 112 | 11 male | 4 | 25 | 115 | 2015 | 10 | 2 NA | 2 | 0 | 432 | 1 | 2 | 2 |
| 113 | 10 Female | 2 | 26 | 123 | 2013 | 7 | 2 NA | 2 | 0 | 989 | 1 | 2 | 2 |
| 114 | 10 male | 4 | 23 | 129 | 2007 | 1 | 2 NA | 6 | 3992 | 443 | 2 | 1 | 2 |
| 115 | 16 male | 4 | 43 | 148 | 2013 | 13 | 2 NA | 3 | 202000 | 10 | 2 | 1 | 1 |
| 116 | 12 Female | 4 | 42 | 146 | 2004 | 0 | 2 NA | 8 | 0 | 1084 | 1 | 2 | 1 |
| 117 | 15 Female | 1 | 45 | 156 | 2007 | 6 | 2 NA | 10 | 0 | 563 | 1 | 2 | 2 |
| 118 | 15 Female | 1 | 39 | 147 | 2008 | 7 | 2 NA | 6 | 131 | 546 | 2 | 1 | 1 |
| 119 | 15 male | 2 | 48 | 159 | 2009 | 8 | 2 NA | 5 | 0 | 1069 | 1 | 2 | 2 |
| 120 | 11 Female | 4 | 31 | 148 | 2014 | 9 | 2 NA | 2 | 2049 | 368 | 2 | 1 | 1 |
| 121 | 12 male | 2 | 31 | 141 | 2009 | 5 | 2 NA | 5 | 0 | 886 | 1 | 2 | 2 |
| 122 | 10 male | 4 | 27 | 130 | 2009 | 3 | 2 NA | 8 | 0 | 991 | 1 | 2 | 1 |
| 123 | 13 male | 4 | 34 | 141 | 2010 | 7 | 2 NA | 3 | 0 | 516 | 2 | 1 | 1 |
| 124 | 10 Female | 2 | 31 | 132 | 2009 | 4 | 2 NA | 6 | 0 | 608 | 1 | 2 | 1 |

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|-----|-----------|---|----|-----|------|----|--------|----|--------|------|---|---|---|
| 125 | 17 Female | 4 | 76 | 171 | 2015 | 16 | 2 NA | 2 | 0 | 577 | 1 | 2 | 1 |
| 126 | 16 male | 4 | 50 | 162 | 2008 | 8 | 2 NA | 3 | 0 | 865 | 1 | 2 | 1 |
| 127 | 16 male | 4 | 37 | 148 | 2004 | 4 | 2 NA | 7 | 30244 | 183 | 2 | 1 | 1 |
| 128 | 16 male | 4 | 41 | 156 | 2009 | 9 | 2 NA | 8 | 480333 | 406 | 2 | 1 | 2 |
| 129 | 16 male | 4 | 50 | 156 | 2010 | 10 | 2 NA | 6 | 0 | 715 | 1 | 2 | 1 |
| 130 | 16 Female | 4 | 45 | 149 | 2006 | 6 | 2 NA | 6 | 0 | 1179 | 2 | 1 | 1 |
| 131 | 18 Female | 3 | 48 | 151 | 2006 | 8 | 2 NA | 5 | 0 | 1171 | 2 | 1 | 2 |
| 132 | 14 male | 2 | 33 | 143 | 2013 | 11 | 2 NA | 4 | 12375 | 475 | 2 | 1 | 1 |
| 133 | 16 Female | 4 | 55 | 171 | 2006 | 3 | 1 2007 | 6 | 0 | 595 | 2 | 1 | 1 |
| 134 | 18 male | 1 | 54 | 172 | 2014 | 16 | 2 NA | 2 | 0 | 976 | 1 | 2 | 1 |
| 135 | 10 Female | 4 | 20 | 122 | 2007 | 1 | 2 NA | 4 | 0 | 1524 | 1 | 2 | 1 |
| 136 | 11 Female | 4 | 33 | 143 | 2007 | 2 | 2 NA | 3 | 0 | 1024 | 1 | 2 | 1 |
| 137 | 17 Female | 4 | 52 | 168 | 2006 | 7 | 2 NA | 6 | 0 | 1175 | 1 | 2 | 2 |
| 138 | 15 Female | 3 | 54 | 149 | 2011 | 11 | 2 NA | 3 | 176360 | 41 | 2 | 1 | 1 |
| 139 | 17 male | 4 | 46 | 166 | 2004 | 5 | 2 NA | 9 | 0 | 868 | 1 | 2 | 1 |
| 140 | 11 male | 4 | 28 | 130 | 2007 | 2 | 2 NA | 4 | 0 | 984 | 1 | 2 | 2 |
| 141 | 12 male | 4 | 44 | 152 | 2004 | 0 | 1 2007 | 11 | 0 | 785 | 2 | 1 | 1 |
| 142 | 10 male | 4 | 24 | 120 | 2007 | 1 | 2 NA | 7 | 0 | 1154 | 1 | 2 | 1 |
| 143 | 18 Female | 3 | 52 | 150 | 2014 | 17 | 2 NA | 2 | 177 | 565 | 1 | 2 | 2 |
| 144 | 15 male | 3 | 32 | 152 | 2007 | 6 | 2 NA | 4 | 0 | 817 | 2 | 1 | 1 |
| 145 | 11 male | 3 | 29 | 126 | 2012 | 7 | 2 NA | 2 | 0 | 1442 | 1 | 2 | 2 |