DO ART NCD Tables & Figures

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## Main paper tables (South Africa only)

* Table 1: Descriptive statistics of cardiovascular risk in the South Africa site of the DO ART study, by trial arm and gender
* Table 2: Poisson + linear regressions for community follow-up compared with clinic follow-up
* Table 3: Poisson + linear regressions with VS as predictor, and including CD4+
* Table 4: Poisson + linear regressions with VS as predictor, stratified by treatment arm; with interaction term for VS

Notes:

* Baseline models include study site only
* Adjusted models include: study site, gender, age group, smoking (binary; otherwise we get small group problems), education

### Page Break

## Table 1: Descriptive statistics of cardiovascular risk in the South Africa site of the DO ART study, by trial arm and gender (N = 1010)

|  | **Category** | **Clinic follow-up   n (%)** | **Community follow-up   n (%)** | **Women   n (%)** | **Men   n (%)** | **Total   n (%)** |
| --- | --- | --- | --- | --- | --- | --- |
| Age | 18-39 | 252 (72%) | 490 (74%) | 386 (76%) | 356 (70%) | 742 (73%) |
| 40-59 | 91 (26%) | 164 (25%) | 113 (22%) | 142 (28%) | 255 (25%) |
| 60+ | 7 (2%) | 6 (1%) | 6 (1%) | 7 (1%) | 13 (1%) |
| Gender | Women | 169 (48%) | 336 (51%) | -- | -- | 505 (50%) |
| Men | 181 (52%) | 324 (49%) | -- | -- | 505 (50%) |
| Education | Primary | 79 (23%) | 121 (18%) | 74 (15%) | 126 (25%) | 200 (20%) |
| Secondary | 261 (75%) | 502 (76%) | 406 (80%) | 357 (71%) | 763 (76%) |
| Tertiary+ | 7 (2%) | 21 (3%) | 16 (3%) | 12 (2%) | 28 (3%) |
| Missing | 3 (1%) | 16 (2%) | 9 (2%) | 10 (2%) | 19 (2%) |

| **ii) Lifestyle and other risk** | **Category** | **Clinic follow-up   n (%)** | **Community follow-up   n (%)** | **Women   n (%)** | **Men   n (%)** | **Total   n (%)** |
| --- | --- | --- | --- | --- | --- | --- |
| Smoking Status   [Baseline] | Not at all | 261 (75%) | 497 (75%) | 475 (94%) | 283 (56%) | 758 (75%) |
| Former | 4 (1%) | 3 (0%) | 2 (0%) | 5 (1%) | 7 (1%) |
| Current - occasional | 17 (5%) | 42 (6%) | 13 (3%) | 46 (9%) | 59 (6%) |
| Current - frequent | 68 (19%) | 118 (18%) | 15 (3%) | 171 (34%) | 186 (18%) |
| Days of exercise (per week)   [Exit] | 5-7 | 14 (4%) | 38 (6%) | 13 (3%) | 39 (8%) | 52 (5%) |
| 3-4 | 136 (39%) | 262 (40%) | 185 (37%) | 213 (42%) | 398 (39%) |
| 1-2 | 113 (32%) | 187 (28%) | 163 (32%) | 137 (27%) | 300 (30%) |
| 0 | 54 (15%) | 114 (17%) | 101 (20%) | 67 (13%) | 168 (17%) |
| Missing | 33 (9%) | 59 (9%) | 43 (9%) | 49 (10%) | 92 (9%) |
| Vegetable intake   [Exit] | Always or usually | 53 (15%) | 122 (18%) | 103 (20%) | 72 (14%) | 175 (17%) |
| Sometimes | 166 (47%) | 326 (49%) | 266 (53%) | 226 (45%) | 492 (49%) |
| Never or rarely | 114 (33%) | 166 (25%) | 107 (21%) | 173 (34%) | 280 (28%) |
| Missing | 17 (5%) | 46 (7%) | 29 (6%) | 34 (7%) | 63 (6%) |
| Prior stroke or heart attack   [Exit] | No | 328 (94%) | 606 (92%) | 469 (93%) | 465 (92%) | 934 (92%) |
| Yes | 5 (1%) | 9 (1%) | 8 (2%) | 6 (1%) | 14 (1%) |
| Missing | 17 (5%) | 45 (7%) | 28 (6%) | 34 (7%) | 62 (6%) |

| **iii) Cardiovascular Risk** | **Category** | **Clinic follow-up   n (%)** | **Community follow-up   n (%)** | **Women   n (%)** | **Men   n (%)** | **Total   n (%)** |
| --- | --- | --- | --- | --- | --- | --- |
| Blood pressure   [Exit] | Normal | 171 (49%) | 334 (51%) | 263 (52%) | 242 (48%) | 505 (50%) |
| Elevated | 88 (25%) | 133 (20%) | 99 (20%) | 122 (24%) | 221 (22%) |
| Hypertension Stage 1 | 61 (17%) | 136 (21%) | 104 (21%) | 93 (18%) | 197 (20%) |
| Hypertension Stage 2 | 12 (3%) | 20 (3%) | 16 (3%) | 16 (3%) | 32 (3%) |
| Missing | 18 (5%) | 37 (6%) | 23 (5%) | 32 (6%) | 55 (5%) |
| BMI (kg/m^2)   [Exit] | <18.5 | 10 (3%) | 20 (3%) | 4 (1%) | 26 (5%) | 30 (3%) |
| 18.5-24.9 | 152 (43%) | 268 (41%) | 149 (30%) | 271 (54%) | 420 (42%) |
| 25-29.9 | 100 (29%) | 219 (33%) | 187 (37%) | 132 (26%) | 319 (32%) |
| 30+ | 70 (20%) | 113 (17%) | 142 (28%) | 41 (8%) | 183 (18%) |
| Missing | 18 (5%) | 40 (6%) | 23 (5%) | 35 (7%) | 58 (6%) |
| Hemoglobin A1C (%)   [Exit] | Normal | 235 (67%) | 403 (61%) | 341 (68%) | 297 (59%) | 638 (63%) |
| Prediabetes | 19 (5%) | 35 (5%) | 20 (4%) | 34 (7%) | 54 (5%) |
| Diabetes | 2 (1%) | 6 (1%) | 2 (0%) | 6 (1%) | 8 (1%) |
| Missing | 94 (27%) | 216 (33%) | 142 (28%) | 168 (33%) | 310 (31%) |
| Total cholesterol (mg/dL)   [Exit] | Normal | 324 (93%) | 584 (88%) | 449 (89%) | 459 (91%) | 908 (90%) |
| Borderline High | 1 (0%) | 9 (1%) | 7 (1%) | 3 (1%) | 10 (1%) |
| High | 0 (0%) | 2 (0%) | 1 (0%) | 1 (0%) | 2 (0%) |
| Missing | 25 (7%) | 65 (10%) | 48 (10%) | 42 (8%) | 90 (9%) |
| 10-year CVD risk score   [Exit] | <10% | 255 (73%) | 444 (67%) | 362 (72%) | 337 (67%) | 699 (69%) |
| Missing | 95 (27%) | 216 (33%) | 143 (28%) | 168 (33%) | 311 (31%) |

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## Table 2. Cardiovascular risk for community follow-up care versus clinic follow-up care, South Africa (N = 1010).

|  |  | **Unadjusted Analysis** | | | **Adjusted Analysis** | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **n** | **Relative Risk** | **95% CI** | **p-value** | **Adj. Relative Risk** | **Adj. 95% CI** | **Adj. p-value** |
| Elevated BP | 955 | 0.93 | (0.79,1.09) | 0.368 | 0.94 | (0.81,1.10) | 0.455 |
| Overweight (BMI >= 25) | 952 | 1.03 | (0.91,1.17) | 0.633 | 1.02 | (0.89,1.15) | 0.802 |
| Elevated blood sugar (a1c >= 5.7) | 700 | 1.22 | (0.74,2.00) | 0.440 | 1.19 | (0.73,1.96) | 0.478 |
| Current smoker [baseline] | 1010 | 0.99 | (0.79,1.24) | 0.919 | 1.02 | (0.81,1.28) | 0.887 |

|  |  | **Unadjusted Analysis** | | | **Adjusted Analysis** | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **n** | **Mean Difference** | **95% CI** | **p-value** | **Adj. Mean Difference** | **Adj. 95% CI** | **Adj. p-value** |
| Systolic BP (mmHg) | 955 | -0.80 | (-2.16, 0.56) | 0.247 | -0.70 | (-2.06, 0.66) | 0.306 |
| Diastolic BP (mmHg) | 955 | -0.03 | (-1.11, 1.05) | 0.956 | -0.08 | (-1.15, 1.00) | 0.888 |
| BMI (kg/m^2) | 952 | -0.02 | (-0.68, 0.64) | 0.964 | -0.11 | (-0.77, 0.55) | 0.726 |
| Hemoglobin A1c (%) | 700 | 0.04 | (-0.04, 0.12) | 0.287 | 0.04 | (-0.04, 0.12) | 0.278 |
| Total cholesterol (mg/dL) | 920 | 3.13 | (-0.18, 6.43) | 0.064 | 2.92 | (-0.38, 6.22) | 0.080 |

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## Table 3: Cardiovascular risk among people virally suppressed versus those not virally suppressed at endline and controlling for CD4+ count, in South Africa(N = 983).

|  |  | **Unadjusted Analysis** | | | **Adjusted Analysis** | | | **Extended Analysis** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **n** | **Relative Risk** | **95% CI** | **p-value** | **Adj. Relative Risk** | **Adj. 95% CI** | **Adj. p-value** | **Ext. Relative Risk** | **Ext. 95% CI** | **Ext. p-value** |
| Elevated BP | 952 | 1.03 | (0.87,1.21) | 0.762 | 1.05 | (0.89,1.24) | 0.535 | 1.05 | (0.90,1.24) | 0.521 |
| Overweight (BMI >= 25) | 949 | 1.24 | (1.08,1.42) | 0.002 | 1.16 | (1.01,1.33) | 0.024 | 1.16 | (1.02,1.33) | 0.023 |
| Elevated blood sugar (a1c >= 5.7) | 698 | 0.89 | (0.54,1.46) | 0.644 | 0.95 | (0.58,1.56) | 0.832 | 0.95 | (0.58,1.56) | 0.835 |
| Current smoker [baseline] | 983 | 0.81 | (0.65,1.02) | 0.071 | 0.95 | (0.75,1.19) | 0.598 | 0.95 | (0.76,1.20) | 0.650 |

|  |  | **Unadjusted Analysis** | | | **Adjusted Analysis** | | | **Extended Analysis** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **n** | **Mean Difference** | **95% CI** | **p-value** | **Adj. Mean Difference** | **Adj. 95% CI** | **Adj. p-value** | **Ext. Mean Difference** | **Ext. 95% CI** | **Ext. p-value** |
| Systolic BP (mmHg) | 952 | -0.33 | (-1.67, 1.02) | 0.635 | -0.12 | (-1.47, 1.23) | 0.861 | -0.13 | (-1.48, 1.22) | 0.849 |
| Diastolic BP (mmHg) | 952 | -0.27 | (-1.35, 0.82) | 0.630 | -0.25 | (-1.33, 0.84) | 0.648 | -0.28 | (-1.36, 0.80) | 0.603 |
| BMI (kg/m^2) | 949 | 1.32 | (0.67,1.98) | 0.000 | 0.93 | (0.28,1.59) | 0.004 | 0.95 | (0.29,1.61) | 0.003 |
| Hemoglobin A1c (%) | 698 | -0.02 | (-0.10, 0.06) | 0.639 | -0.02 | (-0.10, 0.07) | 0.709 | -0.02 | (-0.10, 0.07) | 0.696 |
| Total cholesterol (mg/dL) | 917 | 6.00 | (2.56,9.44) | 0.001 | 5.79 | (2.35,9.23) | 0.001 | 5.81 | (2.37,9.25) | 0.001 |

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## Table 4: Cardiovascular risk for persons virally suppressed versus not suppressed at exit for clinic and community follow-up care, South Africa (N = 983).

|  | **Clinic follow-up** | | | | **Community follow-up** | | | | **Interaction** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **n** | **Adj. Relative Risk** | **Adj. 95% CI** | **Adj. p-value** | **n** | **Adj. Relative Risk** | **Adj. 95% CI** | **Adj. p-value** | **Adj. p-value** |
| Elevated BP | 331 | 0.93 | (0.72,1.19) | 0.542 | 621 | 1.17 | (0.94,1.46) | 0.158 | 0.148 |
| Overweight (BMI >= 25) | 331 | 1.08 | (0.87,1.34) | 0.489 | 618 | 1.21 | (1.03,1.42) | 0.024 | 0.397 |
| Elevated blood sugar (a1c >= 5.7) | 255 | 0.76 | (0.32,1.78) | 0.530 | 443 | 1.05 | (0.57,1.95) | 0.874 | 0.615 |
| Current smoker [baseline] | 341 | 0.95 | (0.67,1.33) | 0.748 | 642 | 0.95 | (0.72,1.24) | 0.690 | 0.977 |

|  | **Clinic follow-up** | | | | **Community follow-up** | | | | **Interaction** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **n** | **Adj. Mean Difference** | **Adj. 95% CI** | **Adj. p-value** | **n** | **Adj. Mean Difference** | **Adj. 95% CI** | **Adj. p-value** | **Adj. p-value** |
| Systolic BP (mmHg) | 331 | -1.58 | (-3.84, 0.67) | 0.169 | 621 | 0.94 | (-0.70, 2.59) | 0.261 | 0.051 |
| Diastolic BP (mmHg) | 331 | -0.95 | (-2.62, 0.73) | 0.268 | 621 | 0.20 | (-1.13, 1.53) | 0.767 | 0.182 |
| BMI (kg/m^2) | 331 | 0.56 | (-0.49, 1.61) | 0.299 | 618 | 1.18 | (0.41,1.95) | 0.003 | 0.324 |
| Hemoglobin A1c (%) | 255 | 0.06 | (-0.07, 0.20) | 0.360 | 443 | -0.08 | (-0.18, 0.02) | 0.118 | 0.091 |
| Total cholesterol (mg/dL) | 324 | 2.06 | (-3.26, 7.39) | 0.448 | 593 | 7.52 | ( 2.93,12.10) | 0.001 | 0.115 |