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| S3 Table. Yearly Change in Odds of Transmitted Drug Resistance (TDR) in Generalized Linear Mixed Regression Models in Regions with and without ARV Scale-up*a*using Samples from Studies of Sequentially Recruited Individuals |
| Region | Drug class | OR*b*(95% CI) | p-value*b* |
| *OR for years since ARV scale-upc* |
| Sub-Saharan Africa(n=10,538) | Overall | 1.10 (1.06-1.14) | <0.001 |
| NRTI | 1.13 (0.90-1.04) | <0.001 |
| NNRTI | 1.13 (1.07-1.19) | <0.001 |
| PI | 1.04 (0.98-1.01) | 0.1 |
| South/Southeast Asia(n=5,420) | Overall | 0.96 (0.90-1.02) | 0.2 |
| NRTI | 0.92 (0.85-1.00) | 0.06 |
| NNRTI | 1.06 (0.95-1.19) | 0.3 |
| PI | 0.96 (0.90-1.04) | 0.3 |
| *OR for sample yearc* |
| Latin America(n=5,010) | Overall | 1.04 (0.98-1.10) | 0.2 |
| NRTI | 0.98 (0.91-1.06) | 0.7 |
| NNRTI | 1.12 (1.03-1.23) | 0.01 |
| PI | 0.99 (0.93-1.05) | 0.7 |
| Europe(n=8,385) | Overall | 0.97 (0.92-1.01) | 0.2 |
| NRTI | 0.93 (0.88-0.98) | 0.006 |
| NNRTI | 1.12 (1.04-1.21) | 0.005 |
| PI | 0.98 (0.91-1.05) | 0.6 |
| North America(n=8,460) | Overall | 1.05 (1.02-1.09) | 0.004 |
| NRTI | 1.01 (0.96-1.05) | 0.8 |
| NNRTI | 1.19 (1.12-1.26) | <0.001 |
| PI | 0.99 (0.95-1.05) | 0.9 |
| Upper-Income Asian Countries(n=4,950) | Overall | 1.14 (1.06-1.22) | <0.001 |
| NRTI | 1.03 (0.95-1.11) | 0.5 |
| NNRTI | 1.31 (1.11-1.53) | 0.001 |
| PI | 1.25 (1.10-1.42) | <0.001 |
| aThree studies from North Africa and two studies from Australia excluded. The region “Latin America” includes three studies from Caribbean countries. bFor each region, a generalized linear mixed model was used to assess the yearly change in the odds (OR) of TDR accounting for study heterogeneity using the R package lme4. The model included the categorical outcome variable indicating the presence or absence of TDR and the two explanatory variables years since scale-up (or the sample year) as a fixed-effect term and the study as a random-effect term.cYearly change in the odds of TDR since ARV scale-up in regions with national ARV scale-up programs and each sample year in regions without national ARV scale-up; the number of individuals is indicated in each region (n). |