

Antiretroviral therapy regimen changes upon moving to Ireland among people living with HIV from Ukraine, findings from an Irish cohort study of Ukrainians in Ireland under the Temporary Protection Directive

Cian Carey¹, Cian Lenihan¹, Stephen Connolly¹, Katie McFaul¹

¹Department of Infectious Diseases, Cork University Hospital

BACKGROUND

- Since 2022, over 112,000 Ukrainian refugees have arrived in Ireland under the Temporary Protection Directive
- HIV services in Ireland have experienced a significant increase in enrolment
- Fixed-dose, single-tablet combination ART regimen tenofovir disoproxil/lamivudine/dolutegravir (DTG/TDF/3TC, or “TLD”) is Ukraine’s most frequently prescribed drug combination
 - 80% of treatment regimens
 - Not available in EU

METHODS

- We included people living with HIV (PLHW) from Ukraine who were reviewed in the infectious disease’s clinic in CUH and had arrived in Ireland since 2022.
- We collated data pertaining to their antiretroviral regimens before and after moving to Ireland → examined changes made to antiretroviral regimens after arriving in Ireland.

Table 1: ART Regimens before and after moving to Ireland

Regimen Category	Before n (%)	After n (%)
2 NRTI + Integrase Inhibitor (INSTI)	37 (63%)	51 (86%)
• DTG/TDF/3TC (TLD)	28	1
• TDF/RAL/3TC	1	–
• DTG/ABC/3TC	2	1
• DTG + TDF/FTC	6	–
• DTG/TDF/FTC	–	38
• BIC/TAF/FTC	–	7
• DTG/TAF/FTC	–	3
• RAL/TDF/FTC	–	1
2 NRTI (Dual Therapy)	–	6 (10%)
• DTG/3TC	–	6
2 NRTI + 2 PI	1 (2%)	1 (2%)
• DRV/c + TDF/FTC / TAF/FTC	1	1
2 NRTI + 1 NNRTI	3 (5%)	1 (2%)
• EFV/FTC/TDF	3	1
Not on Treatment	18 (31%)	–
Total Patients	59	59

RESULTS/DISCUSSION

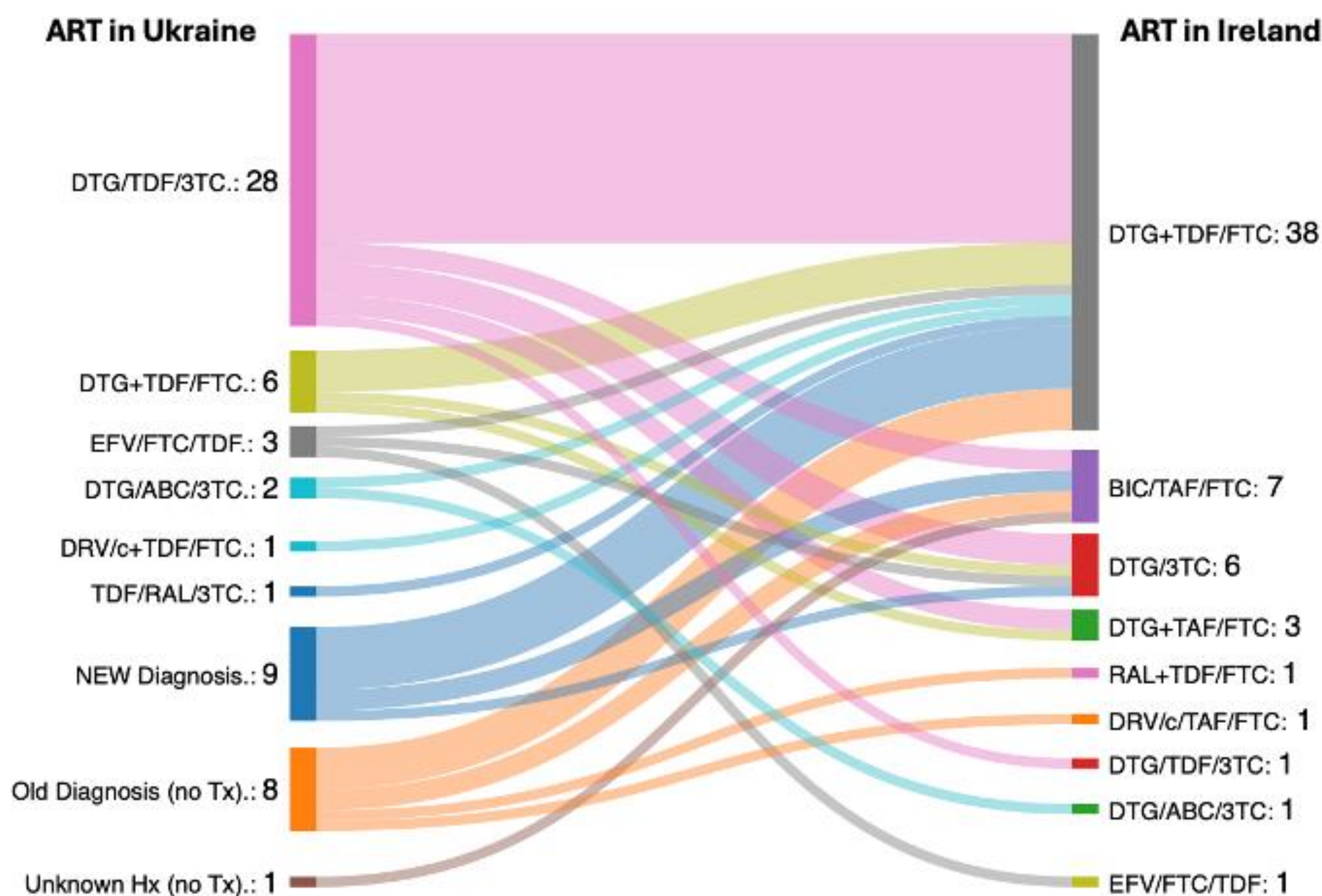


Figure 1: Sankey chart highlighting ART regimens on arrival in Ireland and changes made while in Ireland

67 PLWH were referred to CUH HIV Clinic

- 59 PLWH from Ukraine included in this study
- 9 (15%) newly diagnosed in Ireland
 - 8 (13%) previously diagnosed but not on ART

At baseline

- 28 (69%) were taking TLD (DTG/TDF/3TC)
- 37 (73%) were on an Integrase Inhibitor based regimen

In CUH HIV clinic

- 34 (83%) of PLWH had their ART regimen modified
- Most commonly new regimens →
 - DTG+TDF/emtricitabine (FTC) (71%, n=24)
 - DTG/3TC (10%, n=6)
- Of 18 patients not previously taking ART
 - 10 (56%) commenced on DTG+TDF/FTC
 - 4 (22%) on BIC/TAF/FTC