**Transforming data is a critical element of any analysis, yet often there is a lack of consideration for code reproducibility, leading to cumbersome reuse and duplicated effort in future research. To address this, the Infectious Disease Data Observatory (IDDO) have created the {iddoverse} R package, a reproducible, open-source solution for converting IDDO customised SDTM data into analysis datasets, by amalgamating results, selecting variables, pivoting data into a wide format, and providing additional insights before merging domains together, facilitating streamlined dataset creation. It also accommodates modifications to the output, allowing users to specify additional actions or features.**

**Subsequently, this approach saves researchers time, particularly in Low- and Middle-Income Countries, by eliminating the need for advanced programming skills or intricate knowledge of the CDISC standards. The {iddoverse} promotes data equity and accessibility of SDTM globally, while demonstrating the feasibility of generating standardised analysis datasets using custom implementations of SDTM.**