

DOHA, FIVE YEARS LATER COMPETITION ANALYSIS : METHODOLOGY

Construction of the Competition Index

Based on data gathered by the World Health Organization, one can calculate a per-country ratio of the number of HIV medicines that are exposed to competition, divided by the total number of HIV medicines available in the country.

A medicine is deemed under monopoly when no version of that medicine is available in the country as a generic. Conversely, a medicine is deemed exposed to competition when at least one version of the medicine is available as a generic in the country.

The WHO's marker for whether a medicine is available is whether it is officially registered in the country (for safety purposes, all governments require medicines to be registered before they can be marketed). The WHO's database on ARV registrations lists all the HIV medicines officially registered in Member States.

Act Up-Paris' analysis distinguishes medicines based on the active ingredient and the manufacturer (whether it's a generic or patent-holding manufacturer). This analysis does not distinguish between various forms (tablets vs syrups) or various dosages of the same active ingredient.

Thus, the second column of the tables is the following ratio:

$$\frac{\text{Number of HIV medicines available as a generic in the country}}{\text{Total number of HIV medicines available in a country}}$$

The third column of the tables is this ratio expressed as a percentage.

This percentage is a good proxy for the *degree to which a country's ARV market is exposed to competition*.

Example : in Afghanistan, 3 molecules and / or combinations of agents are available. None of them is produced as a generic drug.

The ratio is 0/3, the percentage amounts to 0%

REFERENCES

Database available at: http://www.who.int/hiv/amds/patents_registration/drs

World Bank classification of the countries in respect to their income:

<http://web.worldbank.org/WBSITE/EXTERNAL/DATASTATISTICS/0,,contentMDK:20421402~pagePK:64133150~piPK:64133175~theSitePK:239419,00.html>