

Talking About Revolutions: Definitions of data-driven change

Defining the data revolution

- An explosion in the volume of data, the speed at which data are produced, and the range of subjects on which there is data, coming from new technologies such as mobile phones and the internet.
- A growing demand for data from all parts of society.

Defining the data revolution for sustainable development

- The integration of these new data with traditional data to produce high-quality information that is more detailed, timely and relevant for many purposes and users, especially to foster and monitor sustainable development.
- The increase in the usefulness of data through a much greater degree of openness and transparency, avoiding invasion of privacy and abuse of human rights from misuse.

of data on individuals and groups, and minimizing inequality in production, access to and use of data

- Ultimately, more empowered people, better policies, better decisions and greater participation and accountability leading to better outcomes for people and the planet.

Defining the data revolution for HIV

- Breakthroughs in basic science via systems biology approaches that analyze vast quantities of information to generate hypotheses and explanations in new ways.
- Use of fine-grained geographic information down to the site and individual level to make decisions about where to spend money (or not) and what to do (or not).
- A potentially empty promise that can't and won't be fulfilled until yawning gaps in information about marginalized and stigmatized groups are filled in ways that respect and protect individual rights and privacy.