



**United
Nations**

Department of
Economic and
Social Affairs

Contraceptive Prevalence Trends Overview of Empirical Patterns

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*Thanks to many UNPD and other colleagues who contributed to the revisions
of World Contraceptive Use data compilations*

Disclosures: The views expressed herein are those of the authors and do not necessarily reflect the views of the United Nations.
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Data, Methods and Definitions

Data: World Contraceptive Use

- 1,300 + nationally-representative surveys for 196 countries
- Contraceptive prevalence by methods, age & marital status, unmet need for family planning

Methods: Bayesian Hierarchical Model

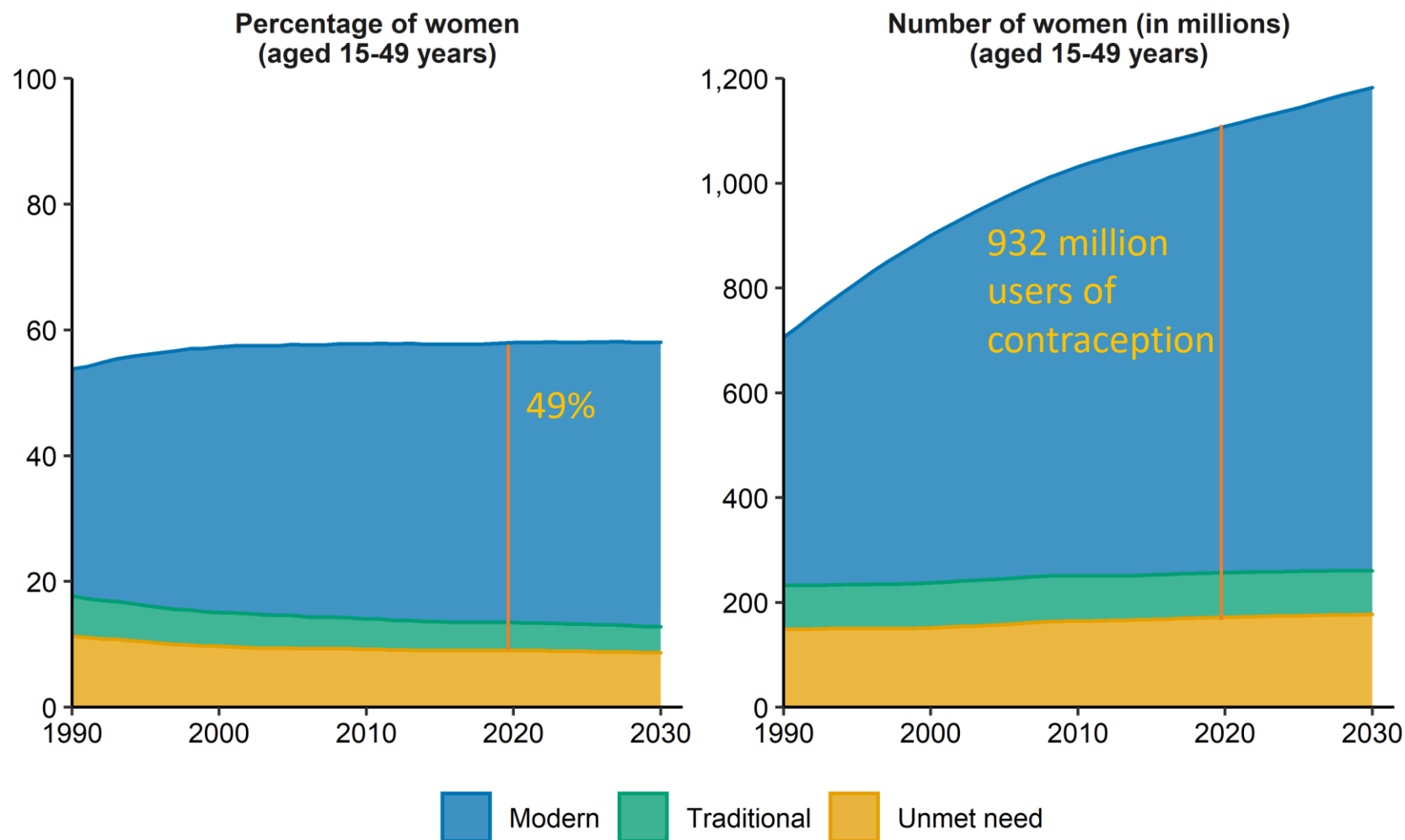
- To generate annual estimates and projections.
- To allow 'sharing of information' among countries according to a clustering/hierarchy and incorporating substantive knowledge.
- To account for **biases** and **uncertainty**.

Contraceptive Prevalence (modern and traditional)

$$CP = \frac{\text{number of women using contraception}}{\text{total number of women of reproductive age (15 – 49)}}$$

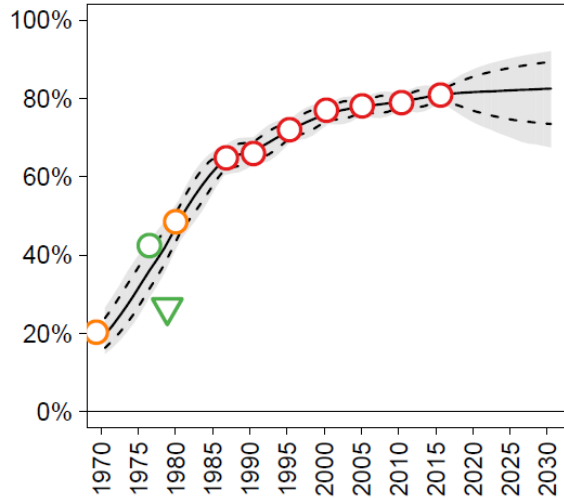
- Married/in-union, Unmarried/Not-in-union

Global trends in contraceptive prevalence and unmet need for family planning

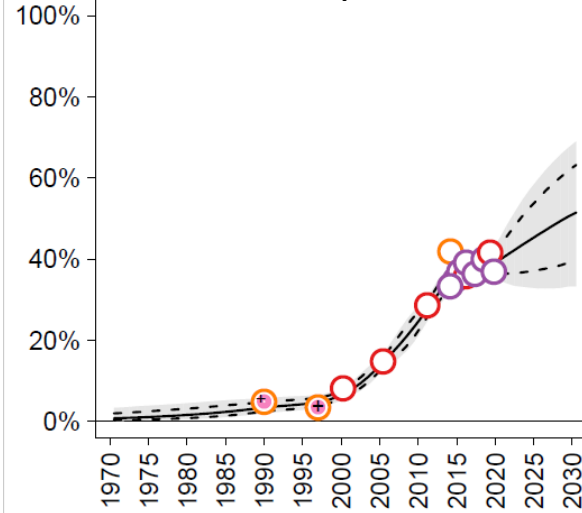


Contraceptive Prevalence among Married/In-union

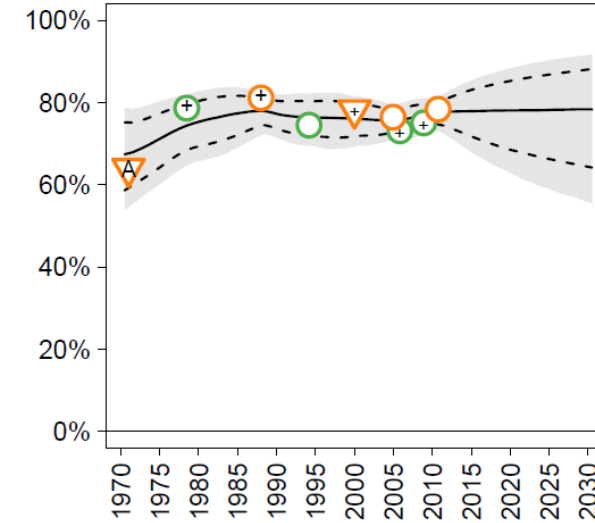
Colombia



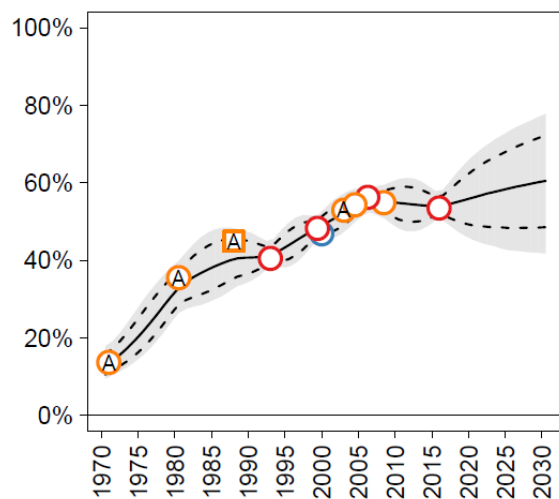
Ethiopia



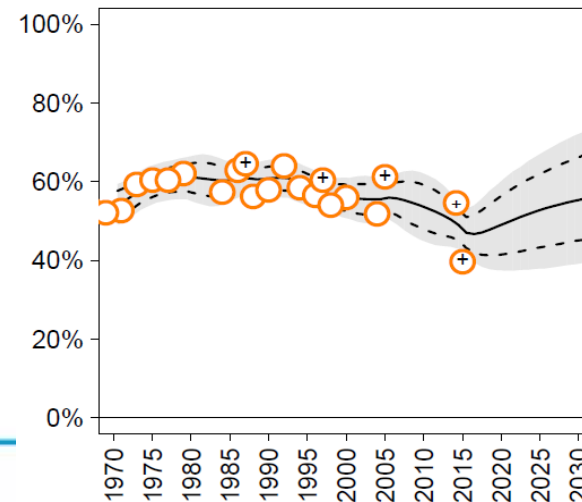
France



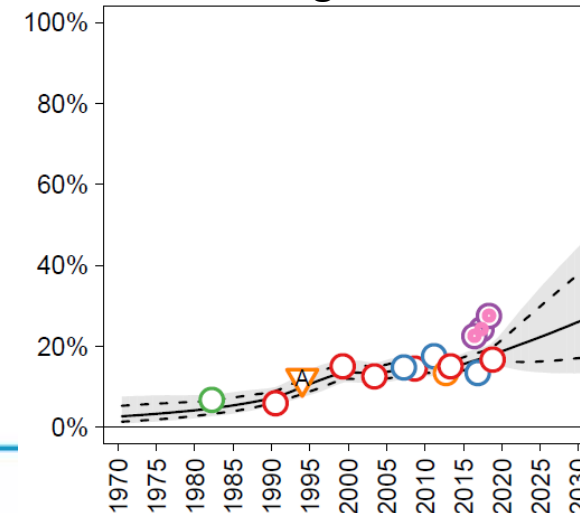
India



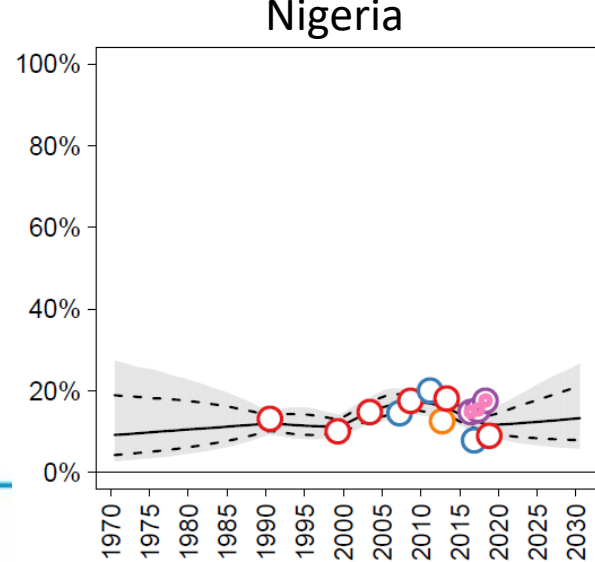
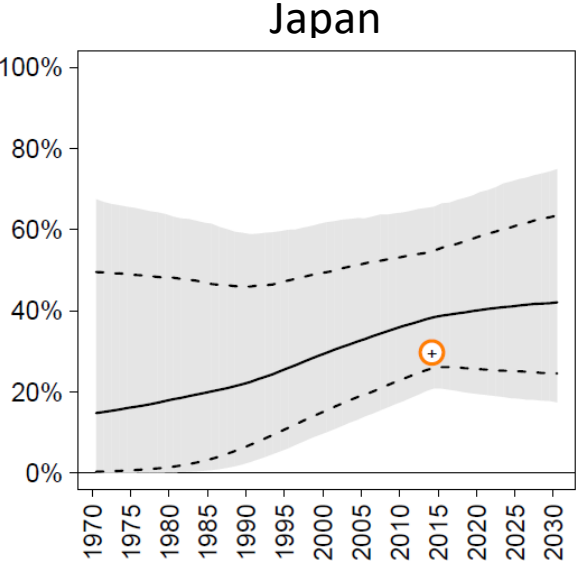
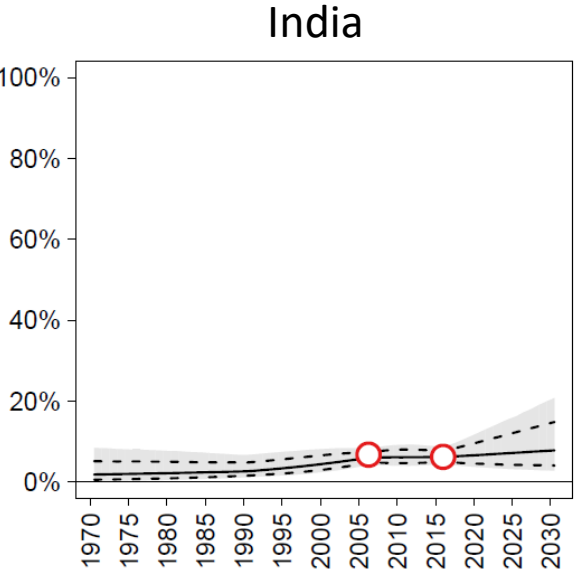
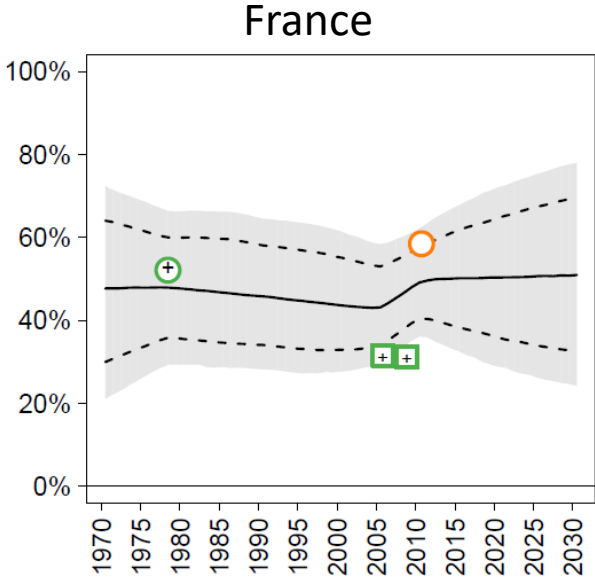
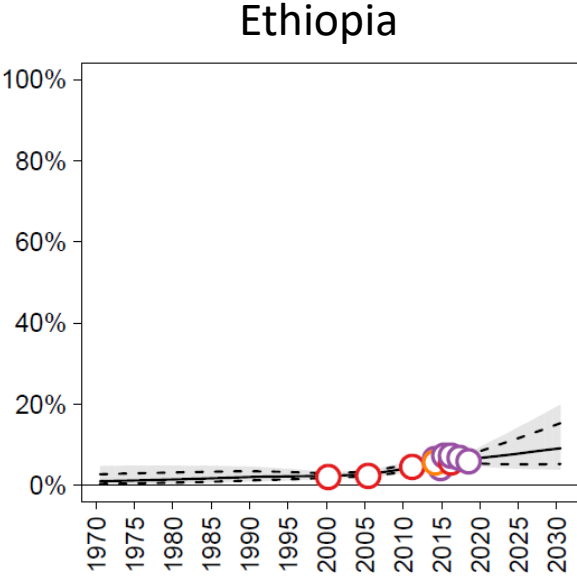
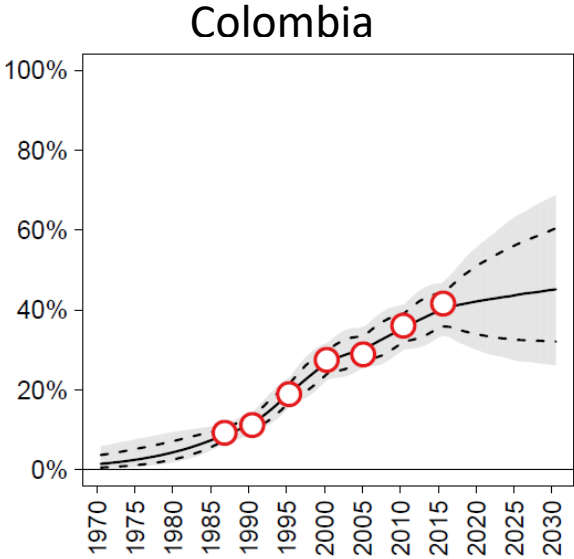
Japan



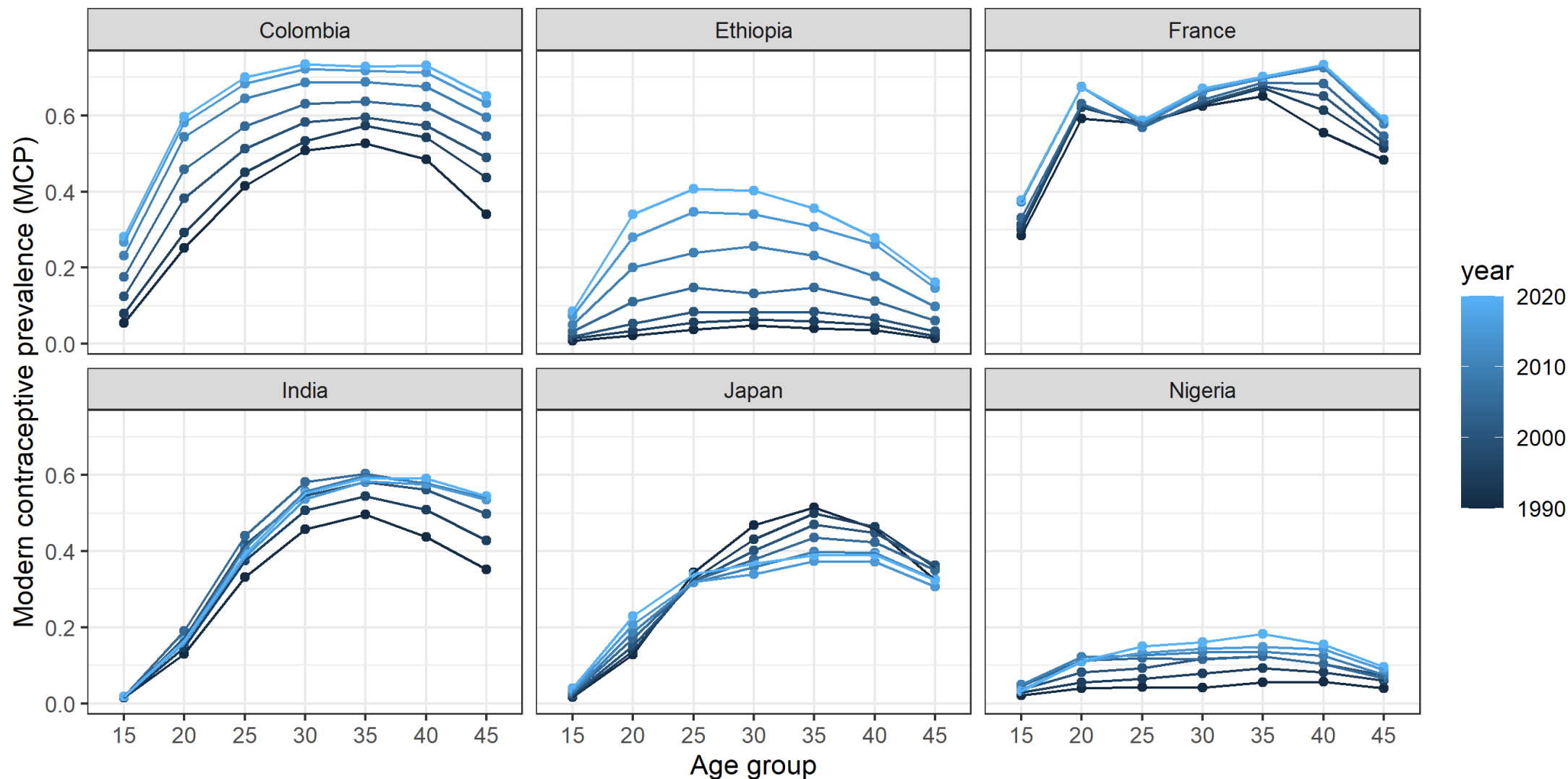
Nigeria



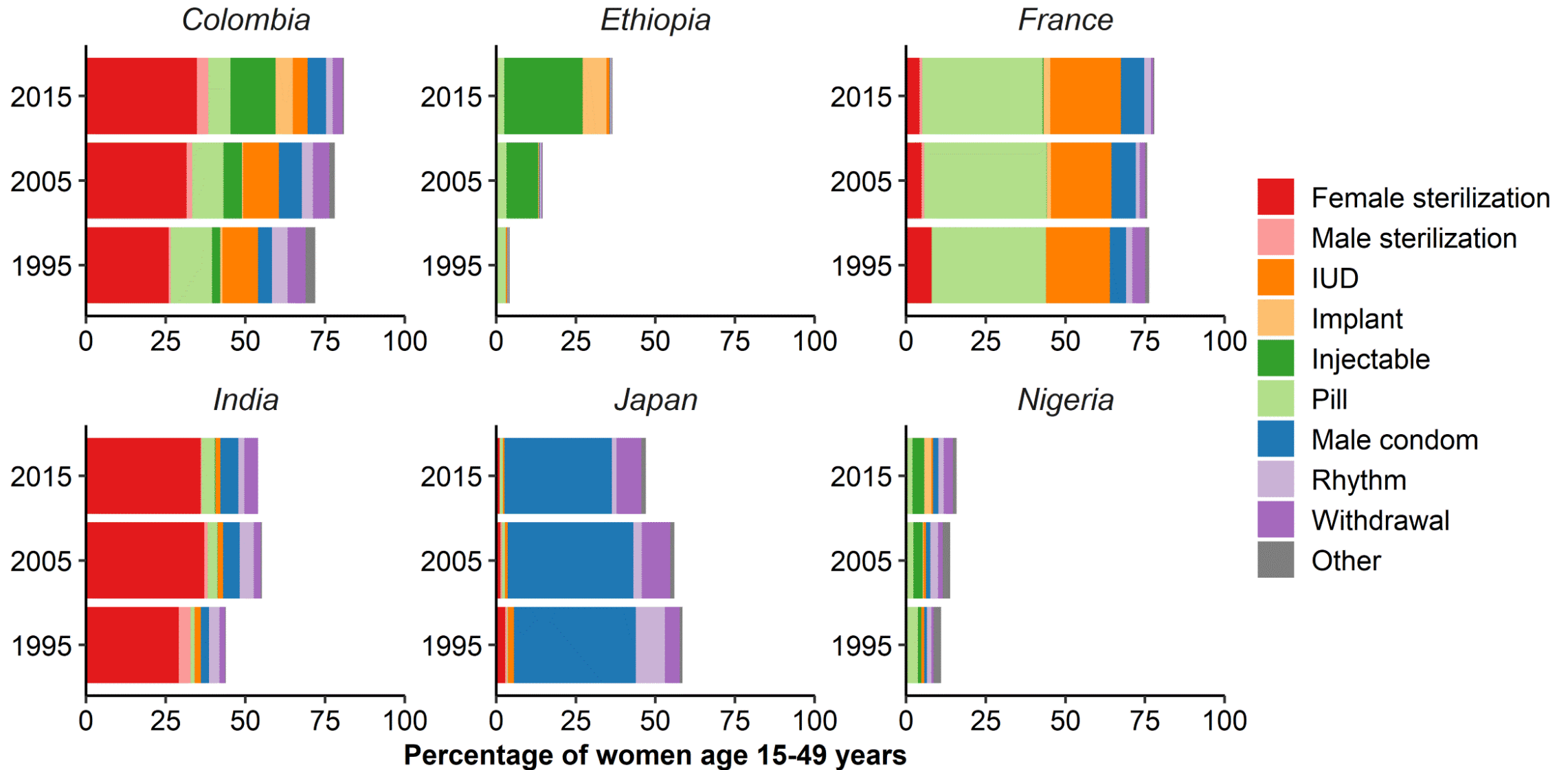
Contraceptive Prevalence among Unmarried/Not-in-union



Contraceptive Prevalence (Modern) by Age



Contraceptive Methods



Summary

- Global data compilations and annual estimates are informative for identifying
 - general patterns of contraceptive transitions
 - exceptional patterns, stalls, declines

For data and reports, please, visit UNPD's website:

<https://www.un.org/development/desa/pd/content/family-planning-0>