Codebook:

The data set obtained was found via a research article the full reference: Haakenstad, A., Angelino, O., Irvine, C. M. S., Bhutta, Z. A., Bienhoff, K., Bintz, C., Causey, K., Dirac, M. A., Fullman, N., Gakidou, E., Glucksman, T., Hay, S. I., Henry, N. J., Martopullo, I., Mokdad, A. H., Mumford, J. E., Lim, S. S., Murray, C. J. L., & Lozano, R. (2022). Measuring contraceptive method mix, prevalence, and demand satisfied by age and marital status in 204 countries and territories, 1970–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*, *400*(10348), 295–327. <https://doi.org/10.1016/S0140-6736(22)00936-9>

The data, code and original code book can be found via this website: <https://ghdx.healthdata.org/record/ihme-data/contraceptive-prevalence-estimates-1970-2019>

Reference: Global Burden of Disease Collaborative Network. Global Burden of Disease Study 2019 (GBD 2019) Contraceptive Prevalence Estimates 1970-2019. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2022.

The original data is in 4 parts, 1 excel spreadsheet containing the data between 1970 to 1989 for all women, 1 excel spreadsheet containing the data between 1970 to 1989 detailing partnered and unpartnered women, 1 excel spreadsheet containing the data between 1990 to 2019 detailing partnered and unpartnered women. And finally, the spreadsheet chosen containing the data between 1990 to 2019 for all women.

**All variables are detailed in the original codebook which is in the same file as this one.**

Variables that are specific to the current project:

Measure: this details all the contraceptive types and other investigated areas. This includes:

“Any contraceptive prevalence”

“Modern contraceptive prevalence”

“Unmet need for any contraceptive method”

“Demand satisfied with modern methods”

“Female sterilization prevalence”

“Male sterilization prevalence”

“IUD prevalence”

“Injection prevalence”

“Implants prevalence”

“Pill prevalence”

“Condom prevalence”

“Diaphragm prevalence”

“Emergency contraception prevalence”

“Other modern methods prevalence”

“Lactional amenorrhea method prevalence”

“Rhythm prevalence”

“Withdrawal prevalence”

“Other traditional methods prevalence”

Year\_id: This identifies the year in which the mean was calculated for each measure and country. This ranges between 1990 to 2019 in the chosen dataset

Age\_group\_id: this is a number that corresponds to the age groups below, shown in brackets

Age\_group\_name: this splits up the dataset allowing for investigation of mean contraceptive use between age groups. Variables include:

“15-19 years” (8)

“20-24 years" (9)

“25-29 years" (10)

“30-34 years" (11)

“35-39 years" (12)

“40-44 years” (13)

“45-49 years" (14)

“All age (15-49 years)” (24)

“Age-standardized(15-49 years)” (27)

Mean: the mean estimate of use.

Location\_name: the country for the estimate, this includes 204 countries

New variables made:

Continent: continent in which the country belongs to. Values include Asia, Europe, Oceania, Africa, Americas

Mean value: This variable combines the original mean values for each year, each contraception, and each country. To create an overall mean for each year and contraception which is then represented as a percentage.