Foundations in Searching the Biomedical Literature #1: CIRHT Information Resource Guide

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Global Health Coordinator
Taubman Health Sciences Library
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13 December 2018
Information Chaos

Overload: Too many data (e.g. written, verbal and nonverbal) for the clinician to organize, synthesize, draw conclusions from, or act

Underload: Necessary information is lacking.

Scatter: Information located in multiple places

Conflict: Unable to determine which data are correct

Erroneous: Information is incorrect.

The Bottom Line!

“What is your question?”

★ Focusing your clinical/research inquiry
Identify your specific information needs as you conduct your research....
Future sessions:

Strategic searching of relevant information resources and levels of evidence

Level of Evidence

Systems

Summaries

Synopses

Syntheses

Studies

Foundational Resources

Background Resources
Textbooks, Expert Opinion, Narrative Reviews

Integrated Clinical Tools
Drug Resources, Clinical Calculators, etc.
The Research Cycle
The 5 Step EBP Process

**ASK**: Formulate the research question

**ACCESS**: Develop your strategy and track down the best evidence

**APPRAISE**: Appraise the evidence for its validity and usefulness

**APPLY**: Integrate the results into your project/proposal

**ASSESS**: Evaluate the effectiveness of the process
Another way of looking at it....

CIRHT Information Resource Guide

http://guides.lib.umich.edu/cirht
Today: do not be overwhelmed!

- A lot of information and resources today!
- **Now:** **Build** awareness of new skills and information resources
- **Later:** **Practice** and discussion with colleagues is highly recommended
- **Recognize** your information environment as the foundational step towards strategically searching the biomedical literature and data sources
Welcome to the resource guide for Center for International Reproductive Health Training partners, students, faculty, clinicians and scholars.

The information sources in this resource guide are openly accessible. We hope you find them useful. Your feedback and comments are most welcome!

In this resource guide you will find:

- RSS feeds to keep current in the biomedical and health sciences literature
- Research and clinical (point of care) databases
- Selected open access journals
- Freely available online health sciences books
- Health and epidemiology data sources
- Evidence-based medicine (EBM) guides and resources
- Selected freely available health-related mobile resources

PubMed Articles | FAMILY PLANNING in AFRICA

- Postpartum family-planning barriers and catalysts in Burkina Faso and the Democratic Republic of Congo: a multiperspective study.
- Website | Feed

PubMed Articles | MATERNAL MORTALITY: ETHIOPIA or RWANDA

- Reducing stillbirths in Ethiopia: Results of an intervention programme.
- Website | Feed

PubMed Articles | ABORTION CARE and AFRICA

- Co-creation to scale up provision of simplified high-quality comprehensive abortion care in East Central and Southern Africa.
- Website | Feed

NEW and NOTEWORTHY

- "NEW" The UM-CIRHT Framework for Integrating Comprehensive Contraception and Abortion Care Competencies into Health Professions Education
- Integrating Family Planning into Medical Education: A Case Study of St. Paul's Hospital Millennium Medical College (SPHMMC)
- Family Planning Evidence Database
  From the Health Communication Capacity Collaborative (HC3)

Keeping Current

- ACOG News Releases
- CIRHT on Facebook
- CIRHT on Twitter
- CIRHT Weekly News Review
- FIGO News
- FP2020 News
- Global Health NOW
- Sustainable Development Goals | News
- UNFPA | News
- WHO News
Let us take a deeper dive
Keeping Current

- ACOG News Releases
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- CIRHT Weekly News Review
- FIGO News
- FP2020 News
- Global Health NOW
- Sustainable Development Goals | News
- UNFPA | News
- WHO News

Overview

- Research & Clinical Resources
- EBM & Critical Appraisal
- Open Access Journals
- E-books and Publications
- Data Sources
- Mobile Resources
- Organizations & Initiatives
- Global Burden of Disease (GBD)
- Scientific Writing Resources
- Information Resource Training
- Learning Videos and Webinars
News

Making UHC work for women
Sexual and reproductive health and rights, and preconception health, are fundamental to Universal Health Coverage

Dedicated to women's health and rights
The principles outlined in the Universal Declaration of Human Rights are aligned with FIGO’s vision of a world where all women achieve the highest standards of health throughout their lives...

Fertility and environmental health
06.12.2018 In: News, FIGO news, Environmental Health, Fertility
An OBGYN's perspective on reproductive and environmental health activism - and how it changed her own outlook...

Categories
FIGO news (282)
Women's health newsfeed (4121)
> Adolescent Health (16)
> Environmental Health (7)
> Family Planning (32)
> Fertility (263)
> Fistula and FGM (533)
> Gynaecology and Technology (78)
> Gynaecology and the Law (7)
> Health for All (23)
> Maternal Health (91)
> Menopause (143)
**Research Databases**

- **PubMed**  
  PubMed is the premier biomedical database that indexes over 4,000 biomedical, nursing, dentistry and related journals.

- **PopLine (POPulation information onLINE)**  
  Covers family planning technology and programs, fertility, population law and policy, demography, maternal and child health, AIDS and other sexually transmitted diseases, reproductive health programs, women in development, and health care communication.

- **Google Scholar**  
  Lets you search broadly for scholarly literature. It searches a variety of resources, including PubMed, electronic journals, and Google Book Search.

- **Biomed Central**  
  A collection of more than 200 free, online academic journals specializing in subjects related to science, technology, and medicine.

- **Cochrane Library**  
  A set of databases of evidence-based research.

- **ClinicalTrials.gov**  
  A database of clinical studies, sponsored primarily by the U.S. National Institutes of Health.

- **WHO International Clinical Trials Registry Platform**  
  A searchable database of information about ongoing and completed clinical trials registered around the world in clinical trial registries.

- **Health Services Research Information Central (U.S. National Library of Medicine)**

- **WHO IRIS : WHO Institutional Repository for Information Sharing**  
  Search the entire collection of WHO publications.

- **African Index Medicus**  
  Access to information published in or related to Africa.
Practice Guidelines

- ECRI Guidelines Trust
  A portal to clinical practice guideline briefs now available to the healthcare community. Freely available but registration required.

- American College of Obstetricians and Gynecologists Clinical Guidance
  Includes ACOG Practice Advisories, Committee Opinions and Obstetric Care Consensus Series

- AHRQ Women’s Health Resources
  Women’s health guidelines from the Agency for Healthcare Research and Quality

- Guidelines | WHO Reproductive Health Library
  WHO Recommendations in reproductive health care.
Welcome to the most reliable clinical practice guideline repository in the world.

Current evidence-based guidelines at your fingertips

About Guidelines Trust
20+ years’ experience providing current, evidence-based guidance.
Learn More

Inclusion Criteria
How are guidelines included in the Trust?
Learn More

TRUST Scorecard
How are guidelines assessed for Trustworthiness?
Learn More

New Content

Endoscopic submucosal dissection: European Society of Gastrointestinal Endoscopy (ESGE) guideline.
European Society of Gastrointestinal Endoscopy (ESGE)
Search Results for 'contraception'

(1-10 of 12 Results)

Combined hormonal contraception and the risk of venous thromboembolism: a guideline.
Guideline ID: 387  2017 Jan
American Society for Reproductive Medicine (ASRM)

Health worker roles in providing safe abortion care and post-abortion contraception.
Guideline ID: 137  2015
World Health Organization (WHO)

Hormonal contraceptive eligibility for women at high risk of HIV: guidance statement.
Guideline ID: 136  2017
World Health Organization (WHO)

U.S. selected practice recommendations for contraceptive use, 2016.
Guideline ID: 83  2018 Jul 29
Centers for Disease Control and Prevention (CDC)
Combined hormonal contraception and the risk of venous thromboembolism: a guideline.

American Society for Reproductive Medicine (ASRM)


Recommendations

Recommendation Statements

Does the Dose of Estrogen Affect Venous Thromboembolism (VTE) Rates?

There are no randomized trials large enough to compare thrombosis risk in patients on oral contraceptives containing different doses of ethinyl estradiol (EE). Only Level II-2 studies exist, including large cohort and case-control studies. It is difficult to compare the effect of the EE dose since preparations differ with respect to the progestin component. In addition, observational studies are limited by a number of unmeasured confounders and bias. The following may be concluded from the literature:

- While no longer available in the United States, high-dose combined oral contraception (COC) (>50 μg) is associated with higher risks of VTE than lower-dose formulations. (Grade B)

- There is fair evidence that combined oral contraception with 50 μg EE has a higher risk of thrombosis compared with sub-50 μg EE formulations. (Grade B) However, data are conflicting and difficult to interpret due to the variable progestin component of the pills studied.

- There is fair evidence that COCs containing EE doses lower than 35 μg have similar VTE risk to 35 μg formulations. (Grade B)

Does Type of Progestin Contribute to VTE Risk?

There are no randomized trials that compare the thrombotic risk of all available progestins. VTE risk may be different by progestin type.
Combined hormonal contraception and the risk of venous thromboembolism: a guideline.

American Society for Reproductive Medicine (ASRM)

Composition of Guideline Development Group (GDG)

- Yes
  - Multidisciplinary GDG Members
- Yes
  - Methodologist Involvement
- ★★★★★
  - Incorporation of Patient and Public Perspectives

Systematic Review of Evidence

- ★★★★★
  - Literature Search
- ★★★★★
  - Study Selection
- ★★★★★
  - Evidence Synthesis

Foundations for Recommendations

- ★★★★★
  - Strength of Evidence Grade
- ★★★★★
  - Description of Benefits and Harms of Recommendations
- ★★★★★
  - Summary of Evidence Supporting Recommendations
- ★★★★★
  - Strength of Recommendations Rating
- ★★★★★
  - Clear Articulation of Recommendations

- Yes
  - Funding Source Disclosure
- ★★★★★
  - Disclosure and Management of Financial COIs
- ★★★★★
  - External Review
- ★★★★★
  - Updating
Combined hormonal contraception and the risk of venous thromboembolism: a guideline

Practice Committee of the American Society for Reproductive Medicine
American Society for Reproductive Medicine, Birmingham, Alabama

While venous thromboembolism (VTE) is rare in young women of reproductive age, combined oral contraceptives increase the risk of VTE. In the patient in whom combined hormonal contraception is appropriate, it is reasonable to use any currently available preparation. (Fertil Steril® 2016; 4: 8-16. ©2016 by American Society for Reproductive Medicine.)

Earn online CME credit related to this document at www.asrm.org/elearn

Discuss: You can discuss this article with its authors and with other ASRM members at https://www.fertstertdialog.com/users/16110-fertility-and-sterility/posts/12117-23074

BACKGROUND

Venous thromboembolism (VTE) refers to the formation of a blood clot in a deep vein and is a rare but potentially preventable cause of death in women of reproductive age. Deep venous thromboses, which commonly occur in the legs, may break off and move into the pulmonary vasculature, which can be life-threatening. However, most venous thromboses do not result in death. Common risk factors for VTE include hypercoagulability and vascular injury. Pregnancy and the postpartum period in particular are associated with an increased risk of VTE compared with the non-pregnant state: The incidence of VTE is 5-20/10,000 woman-years in pregnancy and 40-65/10,000 woman-years postpartum, compared with 1-5/10,000 woman-years outside of pregnancy (1).

Overall, it appears that combined hormonal contraceptives (CHCs) are associated with an increased risk of 10,000 woman-years in users vs. 1-5/10,000 risk in non-users), but this risk is still smaller than the risk in pregnancy and appears to decline over time (1). In general, the risk of VTE while on hormonal contraception must be weighed against potential contraceptive benefits and the risks of VTE during pregnancy and postpartum to determine whether a woman should take CHCs.

While there is good evidence that CHCs are associated with an increased risk of VTE, there has been substantial controversy surrounding the actual risk associated with various different formulations of CHCs. A variety of CHC methods are available with different doses of estrogen and types of progestin, which are delivered through various routes of administration.

METHODS

This clinical practice guideline was literature. A systematic literature search of relevant articles was performed in the electronic database MEDLINE through PubMed (February and June 2015), with a filter for human subject research. This electronic search and examination of reference lists from primary and review articles yielded 1,254 studies, of which 86 studies were included.

A combination of the following medical subject headings or text words/keywords were used: birth control; contraception; combined hormonal contraception; combined oral contraceptive; combined oral contraceptives; contraceptives, oral; contraceptives, oral/administration and dosage; contraceptives, oral, combined; contraceptives, oral, combined/administration and dosage; hormonal contraception; oral contraceptive; oral contraceptives; desogestrel; drospirenone; estradiol; estrogen; oestrogen; ethinodiol diacetate; etynodiol diacetate.
Research Databases

- PubMed
  PubMed is the premier biomedical database that indexes over 4,000 biomedical, nursing, dentistry and related journals.

- PopLine (POPulation information onLINE)
  Covers family planning technology and programs, fertility, population law and policy, demography, maternal and child health, AIDS and other sexually transmitted diseases, reproductive health programs, women in development, and health care communication.

- Google Scholar
  Lets you search broadly for scholarly literature. It searches a variety of resources, including PubMed, electronic journals, and Google Book Search.

- Biomed Central
  A collection of more than 200 free, online academic journals specializing in subjects related to science, technology, and medicine.

- Cochrane Library
  A set of databases of evidence-based research.

- Clinical Trials.gov
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- WHO International Clinical Trials Registry Platform
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- WHO IRIS : WHO Institutional Repository for Information Sharing
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- African Index Medicus
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Contraceptive Technology Innovation

While the existing contraceptive method mix includes highly effective options, an estimated 214 million women in low- and middle-income countries still have unmet need for family planning. To address this gap, contraceptive technology innovation is needed to do several things:

1. Identify more targeted approaches and novel delivery systems
2. Refine existing products to reduce side effects and increase user acceptability
3. Implement creative strategies to introduce and scale-up underused products.

POPLINE provides free full-text copies of many documents to users in low- and middle-income countries.
Selected Open Access Obstetrics & Gynecology Journals

- African Journal of Reproductive Health
  A multidisciplinary journal focusing on original research, review articles, reports and commentaries in reproductive health in Africa.

- Annals of Intensive Medicine
  Focuses on intensive care medicine for all critical care providers (attending physicians, fellows, residents, nurses, and physiotherapists).

- BMC Pregnancy and Childbirth
  An open access, peer-reviewed journal on all aspects of pregnancy and childbirth.

- BMC Reproductive Health Journal
  An open access, peer-reviewed online journal focusing on all aspects of human reproduction.

- Case Report in Obstetrics & Gynecology
  A peer-reviewed, open access journal that publishes case reports in all areas of obstetrics and gynecology.

- Clinics in Mother and Child Health
  A bilingual journal (French and English) adding to clinical practice of obstetrics, gynecology, pediatrics and public health.

- Critical Care
  A peer-reviewed, international clinical medical journal focusing on critical care.

- European Journal of Obstetrics & Gynecology and Reproductive Biology
  Publishes peer reviewed original research articles, as well as a wide range of news, book reviews, biographical, historical and educational articles.

- Journal of Basic Clinical Reproductive Sciences
  Published by the Society of Reproductive Biologists of Nigeria on aspects of reproductive health science in relation to obstetrics and gynecology; laboratory science, medical rehabilitation; nursing; medical education; and preventive medicine.

- Journal of Intensive Care
  Focuses on intensive care medicine, with an interest in promoting the exchange of ideas internationally and considering the different cultural aspects of intensive care practice.

- South African Journal of Obstetrics and Gynaecology
  Published by the South African Medical Association.

- Ultrasound in Obstetrics and Gynecology (UOG)
  Select articles are open access

Selected Open Access Journals

- PLoS Medicine
- BMC Medicine
- The Lancet Global Health
- Health Research Policy and Systems
- Morbidity & Mortality Weekly Report
- Journal of Medical Case Reports
- Archive of "BMJ Clinical Evidence"
  Articles from this journal are usually available in PubMed Central after a 24-month delay (embargo). Some articles may be available sooner.

Open Access Journal Gateways

- The Lancet Maternal Health Series
- BioMed Central
  An open access publisher of over 200 free online academic journals specializing in subjects related to science, technology, and medicine.

- The Lancet Global Health Portal
  The Lancet Global Health Series, Commissions, and Regional Reports provide in-depth views on regional health information. Most of the content is freely available.

- Public Library of Science
  Open access journal biomedical and health journal literature.

- Global Library of Women’s Medicine
  A unique not for profit initiative to

Other African Open-Access Journals

- The Lancet
  Open access journal from The Lancet Publishing Group.
- **Journal of Intensive Care**
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  Select articles are open access

### Other African Open-Access Journals

- **African Journal of Health Science**
  Research and policy issues in the health sciences and related disciplines.

- **Annals of African Medicine**
  Intended to serve as a medium for the publication of research findings in the broad field of medicine in Africa and other developing countries.

- **Annals of Medical & Health Sciences Research**
  Covers technical and clinical studies related to health, ethical and social issues in field of all aspects of health sciences.

- **Ethiopian Journal of Health Sciences**
  A general health science journal addressing clinical medicine, public health and biomedical sciences.

- **Ghana Medical Journal**

- **Pan-African Medical Journal**
  Includes original scientific studies, comments on currents health initiatives, project and work reports, personal experiences, reviews of current health initiatives, educational articles and papers commenting on clinical, social, political, economical and all other factors affecting health.

- **The Lancet Maternal Health Series**

- **BioMed Central**
  An open access publisher of over 200 free online academic journals specializing in subjects related to science, technology, and medicine.

- **The Lancet Global Health Portal**
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- **Public Library of Science**
  Open access journal biomedical and heath journal literature.

- **Global Library of Women’s Medicine**
  A major not-for-profit initiative to provide medical professionals worldwide with free and universal access to a vast and constantly updated, peer-reviewed resource of clinical information and guidance.

- **Directory of Open Access Journals (DOAJ)**
  Covers all open access scientific and scholarly journals that use a quality control system to guarantee the content.

- **African Journals Online**
  The largest collection of peer-reviewed, African-published scholarly journals.

- **SpringerOpen**

- **Wiley Open Access**

- **WHO Publications**
  Open access journals and key serial publications published by the World Health Organization.
Open Access Journal Gateways

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- African Journals Online
  The largest collection of peer-reviewed, African-published scholarly journals.
- SpringerOpen
- Wiley Open Access
- WHO Publications
  Open access journals and key health publications published by the World Health Organization.
The Lancet Global Health Portal

The Lancet is the world’s leading medical journal for global health, and in the new era of sustainable development aims to publish the best science to advance health in all regions of the world. Since 2003, The Lancet has published over 100 global health Series, all browsable from our Series page; also look out for special global health regional Reports, and Commissions, giving even more analysis and depth of coverage as we seek to help shape global health to 2030 and beyond.

Series
- Commissions
- Global Burden of Disease
- Disease Control Priorities edition 3
- Climate Countdown

Ebola Resource Centre
- Zika Resource Centre
- Advancing Women in Science, Medicine, and Global Health
- NCD Countdown 2030

Latest Series

Terrorism and health
Published: October 18, 2018

Terrorist attacks present a major challenge to society, placing governments, citizens, infrastructure, and health systems under acute pressure. This Series of papers commissioned jointly by The Lancet Infectious Diseases and The Lancet Psychiatry reviews the history of terrorism and mental health, and preparedness for future threats.

Related Hub

Ebola Resource Centre
Updated archives from the Lancet family of journals.
## Health Science E-Book and Publication Collections

- **PubMed Books**
  A growing collection of biomedical books that can be searched directly by typing a concept into the search box.
- **GLOWM - Global Library of Women’s Medicine**
  Provides medical professionals worldwide with free access to a vast, constantly updated, and peer-reviewed resource of clinical information and guidance.
- **World Health Organization (WHO) Publications**
- **InTech Open Access Books - MEDICINE**
- **MERLOT Open Textbooks, Obstetrics & Gynecology**
  In addition to textbooks, MERLOT also has tutorials, lesson plans, and other educational resources.
- **National Academies Press: Health and Medicine**
- **FreeBooks4Doctors**
  FreeBooks4Doctors is dedicated to the promotion of free access to medical books over the Internet.
- **Directory of Open Access Books (DOAB)**

## Reports & Toolkits

- **The Global Strategy for Women’s, Children’s and Adolescents’ Health (2016-2030)**
  From: Every Woman Every Child, 2015
- **K4Health: Youth Policy Toolkit**
  An online resource for improving youth reproductive health (YRH) and HIV/AIDS policy worldwide.
- **K4Health: Reproductive Health in Humanitarian Settings Toolkit**
  “An estimated 68.5 million people worldwide were considered forcibly displaced as a result of conflict and persecution by the end of 2018—the highest number on record. Women and girls comprise half of this population.” - K4Health
E-Books and Reports

- **Family Planning: A Global Handbook for Providers by K4Health, WHO**
  - ISBN: 9780999920370
  - Publication Date: February 2018
  - 3rd edition.

  - Publication Date: October 2018

- **UNFPA Supplies Annual Report 2017 by United National Population Fund**
  - Publication Date: June 2018
  
  "[UNFPA Supplies] programme provides technical assistance for strengthening national reproductive health supply chains through analysis, strategic interventions, capacity-building and addressing bottlenecks." (From: Foreward, UNFPA Supplies Annual Report 2017)

Toolkits and Briefs

- **Learning Resource Package (Modular/Facility-Based): Providing Long-Acting Reversible Contraception (LARC)**
  - Source: Jhpiego

- **Learning Resource Package: Skills Update for Contraceptive Implant Side Effect Management and Removal**
  - Source: Jhpiego

- **Manual for Localizing Deeply Placed Implants with Ultrasound**
  - From Jhpiego, USAID and PSI

- **Providing Contraceptive Implants Learning Resource Package**
  - Source: Jhpiego
Providing Long-Acting Reversible Contraception (LARC) Learning Resource Package (Modular/Facility-Based)

The purpose of this learning resource package is to provide trainers, facilitators and program staff with a comprehensive resource for high-quality long-acting reversible contraception (LARC) services using a modular, facility-based approach for training, capacity building and mentorship. The integrated learning package consists of an implementation guide and ten modules, including counseling, infection prevention, quality of care and information on both hormonal and non-hormonal (the Copper T 380A) intrauterine devices and contraceptive implants (single and two-rod). The modules are designed for use in a variety of situations including interval, post-partum and post-abortion periods and should be implemented at the facility level using a modular training approach.

For related interval LARC training resources using a group-based training approach please see the LARC Learning Resource Package (Interval: Group Based/Single Dose).

<table>
<thead>
<tr>
<th>Downloads for this Resource</th>
</tr>
</thead>
<tbody>
<tr>
<td>File</td>
</tr>
<tr>
<td>Module 1: Introduction to Long-Acting Reversible Contraceptives</td>
</tr>
<tr>
<td>Module 2: Family Planning Counseling</td>
</tr>
<tr>
<td>Module 3: Medical Eligibility and Client Assessment</td>
</tr>
<tr>
<td>Module 4: Quality of Care</td>
</tr>
<tr>
<td>Module 5: Infection Prevention for Long-Acting Reversible Contraceptive Methods</td>
</tr>
<tr>
<td>Module 6: Copper Intrauterine Device (Copper T 380A)</td>
</tr>
<tr>
<td>Module 7: Hormonal Intrauterine Device (LNG-IUS)</td>
</tr>
<tr>
<td>Module 8: Postpartum Intrauterine Device</td>
</tr>
<tr>
<td>Module 9: Postabortion Intrauterine Device</td>
</tr>
</tbody>
</table>
### Statistical Sources (selected)

- **Demographic and Health Surveys**
  The Demographic and Health Surveys (DHS) program has collected, analyzed, and disseminated accurate and representative data on population, health, HIV, and nutrition through more than 260 surveys in over 90 countries.

- **World Bank Open Data**
  Provides download access to over 2000 indicators from the World Bank data sets including World Development Indicators.

- **Family Planning and Reproductive Health Indicators Database**
  From the MEASURE Evaluation project. A comprehensive listing of the most widely used indicators for evaluating family planning and reproductive health programs in developing countries.

- **FP2020 Data Hub**

  - **Track 2020 FP2020**
    "The Track20 Project monitors progress towards achieving the goals of the global FP2020 initiative, adding an additional 120 million modern method users between 2012 and 2020 in the world’s 69 poorest countries."

- **PMA2020 (Performance, Management and Accountability 2020)**
  Uses mobile technology to gather population data on family planning and water, sanitation and hygiene.

- **WHO Global Abortion Policies Database**

- **World Health Organization - Databases & Statistics**

- **WHO World Health Statistics 2017: Monitoring health for the SDGs**

- **Institute of Health Metrics and Evaluation**
  The Institute for Health Metrics and Evaluation (IHME) is an independent global health research center at the University of Washington.

- **Sustainable Development Goals Indicators - Global Database**
  This platform provides access to data compiled through the UN for the Secretary-General’s annual Sustainable Development Goals progress report.

- **UN Data**
  Statistics produced by countries and compiled by the United Nations data system, as well as estimates and projections. Covers agriculture, education, energy, industry, labour, national accounts, population, and tourism.

- **Global Health Data Exchange (GHDx-Data)**
  A new catalog of the world’s health and demographic datasets from the Institute of Health Metrics and Evaluation.

### Visualizing Global Data

- **World Population 2018 Dashboard**
  Source: UNFPA

- **FP2020 Data Hub**

- **Track 2020 FP2020**
  "The Track20 Project monitors progress towards achieving the goals of the global FP2020 initiative, adding an additional 120 million modern method users between 2012 and 2020 in the world’s 69 poorest countries."

- **Data Visualization - Institute for Health Metrics and Evaluation**
  Data freely and easily accessible and to provide innovative ways to visualize complex global topics.

- **STATcompiler (beta)**
  Visualize and explore data in custom tables, column charts, line graphs, maps, and scatterplots on hundreds of demographic and health indicators across more than 70 countries.

- **Guttmacher Data**
  State, national, and global sexual and reproductive health data.

- **Gapminder: for a fact-based world view**
  Displays various statistics about global indicators and world’s countries.
In 2018, **139,619,000** women are using a modern method of contraception. As a result of that contraceptive use:

- **54,421,000** unintended pregnancies will be prevented
- **1,823,000** unsafe abortions will be averted
- **29,000** maternal deaths will be averted
## India

### FP2020 Core Indicator 2017-18 Summary Sheet

<table>
<thead>
<tr>
<th>Indicator</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of additional users of modern methods of contraception</td>
<td>0</td>
<td>1,534,000</td>
<td>2,680,000</td>
<td>3,599,000</td>
<td>6,163,000</td>
<td>9,184,000</td>
<td>12,234,000</td>
</tr>
<tr>
<td>Contraceptive prevalence rate, modern methods (mCPR)</td>
<td>39.2</td>
<td>39.2</td>
<td>39.0</td>
<td>38.8</td>
<td>39.1</td>
<td>39.6</td>
<td>40.0</td>
</tr>
<tr>
<td>Percentage of women with an unmet need for a modern method of contraception</td>
<td>19.4</td>
<td>19.4</td>
<td>19.4</td>
<td>19.4</td>
<td>19.3</td>
<td>19.2</td>
<td>19.0</td>
</tr>
<tr>
<td>Percentage of women whose demand is satisfied with a modern method of contraception</td>
<td>73.2</td>
<td>73.2</td>
<td>73.1</td>
<td>73.0</td>
<td>73.3</td>
<td>73.6</td>
<td>74.0</td>
</tr>
<tr>
<td>Number of unintended pregnancies</td>
<td>11,286,000</td>
<td>11,271,000</td>
<td>11,255,000</td>
<td>11,240,000</td>
<td>11,225,000</td>
<td>11,210,000</td>
<td>11,374,000</td>
</tr>
<tr>
<td>Number of unintended pregnancies averted due to use of modern methods of contraception</td>
<td>49,387,000</td>
<td>49,982,000</td>
<td>50,426,000</td>
<td>50,782,000</td>
<td>51,776,000</td>
<td>52,948,000</td>
<td>54,421,000</td>
</tr>
<tr>
<td>Number of unsafe abortions averted due to use of modern methods of contraception</td>
<td>1,654,000</td>
<td>1,674,000</td>
<td>1,689,000</td>
<td>1,701,000</td>
<td>1,734,000</td>
<td>1,773,000</td>
<td>1,823,000</td>
</tr>
<tr>
<td>Number of maternal deaths averted due to use of modern methods of contraception</td>
<td>26,000</td>
<td>26,000</td>
<td>27,000</td>
<td>27,000</td>
<td>27,000</td>
<td>28,000</td>
<td>29,000</td>
</tr>
</tbody>
</table>

### Percentage of women using each modern method of contraception (method mix)

<table>
<thead>
<tr>
<th>Method</th>
<th>2015-16 NFHS-4</th>
<th>Source</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Long-acting and permanent methods</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sterilization (female)</td>
<td>75.3</td>
<td>2015-16 NFHS-4</td>
<td>Married</td>
</tr>
<tr>
<td>Sterilization (male)</td>
<td>0.6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IUD</td>
<td>3.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Implant</td>
<td>0.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Short-term methods</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Injectable</td>
<td>0.4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pill</td>
<td>8.6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Condom (male)</td>
<td>11.7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IAM</td>
<td>0.2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Additional Analysis

- General Information
- Core Indicators
- Indicator Graphs
- Additional Analysis
- Resources
Ethiopia Country Reports

- WHO Ethiopia Annual Report 2017 by World Health Organization
  - Publication Date: 2017

- 2016 Ethiopia Demographic and Health Survey: Key Findings by Ethiopia Central Statistical Agency and ICF International
  - Publication Date: 2017

  - Publication Date: 2013

- Ethiopia Poverty Assessment 2014 by World Bank Group
  - Publication Date: January 2015

Partner Country Statistical Sources: Ethiopia

- Ministry of Health, FDRE
- Ethiopian E-Service
- Central Statistical Agency
- DHS Ethiopia 2016
Center for International Reproductive Health Training (CIRHT)

Information sources for CIRHT partners, students, faculty, clinicians and scholars.

Overview
Research & Clinical Resources
EBM & Critical Appraisal
Open Access Journals
E-books and Publications
Data Sources
  Data Sources - Ethiopia
  Data Sources - Rwanda

Mobile Resources
Organizations & Initiatives
Global Burden of Disease (GBD)
Scientific Writing Resources
Information Resource Training
Learning Videos and Webinars

Rwanda Country Reports

2014-15 Rwanda Demographic and Health Survey: Key Findings by National Institute of Statistics of Rwanda, Ministry of Health, Rwanda and ICF International
Publication Date: 2016


Publication Date: 2014

Rwanda Poverty Assessment by World Bank Group
Publication Date: April 2015

Partner Country Statistical Sources: Rwanda

- Ministry of Health, Rwanda
- Government of Rwanda Portal
- National Institute of Statistics of Rwanda
- DHS Rwanda 2014-15
- Trends in Reproductive Behavior in Rwanda
  Further Analysis of the 2014-15 Demographic and Health Survey.
- Rwanda Health Observatory
  From the Rwanda Ministry of Health and World Health Organization

CIRHT Information Resource Guide
Center for International Reproductive Health Training (CIRHT)

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Organizations (selected)

- American Congress of Obstetricians and Gynecologists (ACOG)
- Association of Reproductive Health Professionals
  ARHP brings together health care professionals across disciplines and specialties for evidence-based training and network building.
- Ethiopian Public Health Association
  The Ethiopian Public Health Association (EPHA) promotes better health services to the public and high professional standards through advocacy, professional competence, relevant policies, and effective networking.
- Family Guidance Association of Ethiopia
  FGAE is a volunteer-based, Ethiopian resident charity organization committed to enabling underserved and vulnerable population, with particular focus on adolescents and youth, to enjoy sexual and reproductive health (SRH).
- Guttmacher Institute
  Provides the latest peer-reviewed, policy-relevant research and analysis on sexual and reproductive health and rights in the U.S and globally.
- International Federation of Gynecologists and Obstetricians (FIGO)
  The International Federation of Gynecology and Obstetrics (FIGO) brings together professional societies of obstetricians and gynecologists on a global basis.
- International Planned Parenthood Federation
  IPPF works in 170 countries to empower the most vulnerable women, men and young people to access life-saving services and programmes, and to live with dignity.
- IPAS
- Maternal Health Task Force
  A project of the Women and Health Initiative at the Harvard T.H. Chan School of Public Health
- Plan International
  A development and humanitarian organization that advocates for children's rights and equality for girls.
- Planned Parenthood
- Royal College of Obstetrics and Gynaecologists (UK)
- United Nations Population Fund (UNFPA)
  "Delivering a world where every pregnancy is wanted, every childbirth is safe and every young person's potential is fulfilled."

Initiatives (selected)

- Averting Maternal Death and Disability (AMDD)
- ETHIOPIA | PMA2020 (Performance, Management and Accountability 2020)
- Every Woman Every Child
- High Impact Practices for Family Planning (HIPs)
- International Initiative for Impact Evaluation (3ie)
- The Partnership for Maternal, Newborn and Child Health (WHO)
- The Surviving Sepsis Campaign
Initiatives (selected)

- Averting Maternal Death and Disability (AMDD)
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- The Partnership for Maternal, Newborn and Child Health (WHO)
- The Surviving Sepsis Campaign
Creating the Greatest Impact

High Impact Practices (HIPs) are a set of evidence-based family planning practices vetted by experts against specific criteria and documented in an easy-to-use format. HIPs help programs focus resources for greatest impact.

Explore the Evidence

- What works in Family Planning? View the HIP List.
- What is new with HIPs? View the new and upcoming products.
- What are the HIPs all about? View the Common Vision.
Engaging Men and Boys in Family Planning: A Strategic Planning Guide

This document is intended to lead program managers, planners, and decision-makers through a strategic process to identify effective investments for engaging men in efforts to improve sexual and reproductive health. In this guide, male engagement refers to the involvement of men and boys in family planning programs across life stages, including addressing gender norms and gender equality.

This guide builds on reviews of male engagement strategies for family planning and is informed by recognized experts in the field. Throughout the steps below, programs should address the specific contexts and diverse needs of program beneficiaries. Examples within each step illustrate how to identify relevant gaps and issues and offer programming approaches to consider. The first priority of any family planning program when considering partner engagement is to respect the client’s preference of whether to engage her partner and to do so in equitable ways that protect and encourage women’s autonomy.

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- Data Sources
- Mobile Resources
- Organizations & Initiatives

Global Burden of Disease (GBD)
- Scientific Writing Resources
- Information Resource Training
- Learning Videos and Webinars

Global Burden of Disease: Resources
- Global Burden of Disease | The Lancet
  The Global Burden of Disease Study 2010 (GBD 2010) is the largest ever systematic effort to describe the global distribution and causes of a wide array of major diseases, injuries, and health risk factors.
- Global Burden of Disease (Institute of Health Metrics and Evaluation)
- World Health Organization: Global Burden of Disease

GBD Data Tools and Statistics
- GBD Compare (from IHME)
- WHO Global Health Estimates
  Comprehensive and comparable assessment of mortality and loss of health due to diseases and injuries for all regions of the world.
- WHO: DISMOD II for GBD
  DISMOD II is a software tool that may be used to check the consistency of estimates of incidence, prevalence, duration and case fatality for diseases.

PubMed RSS feed: GBD
- Accessing free quality health care services and premature death.
- Attitude and perception of medical interns about antimicrobial resistance: a multi center cross-sectional study in Ethiopia.
- Chronic Unpredictable Mild Stress for Modeling Depression in Rodents: Meta-analysis of Model Reliability.

Lectures and Webcasts
- IHME Webcast: Making Health Measurable: Using the Global Burden of Disease as a platform to track health performance
Global Burden of Disease: Resources

- Global Burden of Disease | The Lancet
  The Global Burden of Disease Study 2010 (GBD 2010) is the largest ever systematic effort to describe the global distribution and causes of a wide array of major diseases, injuries, and health risk factors.
- Global Burden of Disease (Institute of Health Metrics and Evaluation)
- World Health Organization: Global Burden of Disease
Global Burden of Disease (GBD)

Baby ‘Boom’ and ‘Bust’: Nations’ Rates of Childbirth Vary Significantly

Ninety-one nations are not producing enough children to maintain their current populations, while the opposite is true in 104 countries where high birth rates are driving population increases, according to a new scientific study.
Center for International Reproductive Health Training (CIRHT)

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Scientific Writing Resources

- Scientific Writing Resource
  (From the Duke Graduate School)
- CARE Guidelines
  The CAse REport guidelines provide a framework that supports transparency and accuracy in the publication of case reports.
- AuthorAID
  Supporting Developing Country Researchers in Publishing Their Work

Authorship and Publishing Tools

- GH Journal Search
  A tool that presents major core peer-reviewed global health journals in one place. Authors can discover and choose “best fit” publications for manuscript submission.
- JANE: Journal/Author Name Estimator
  Tool to help authors identify appropriate journals for manuscript submission.

Steps of Scientific Publishing

Publishing in the Sciences

Researchers in the sciences are expanding their publishing venues from traditional journals, books, and conference proceedings to many other venues including webpages, social media, data publication, etc. As shown in the below diagram, different types of publications correspond to different stages of the research life cycle. However, research journal articles still remain the main output for primary research results. This guide focuses on issues around publishing research journal articles in the sciences.

Scholarly Communication

Research Life Cycle

Choosing a venue
Preparing for submission
Submission
Peer review
Acceptance
After publishing
Scientific Writing Resources

- Scientific Writing Resource
  (From the Duke Graduate School)

- CARE Guidelines
  The CARE REport guidelines provide a framework that supports transparency and accuracy in the publication of case reports.

AuthorAID
Supporting Developing Country Researchers in Publishing Their Work
CIRHT Webinar Series: Part 2 - "Contraception Choices for Women with Underlying Medical Conditions", December 20, 2017

Low-Risk Conditions

ASD/VSD
Accounts for 1/3 of congenital heart disease

- If repaired, all contraceptive methods are category 1
- In unrepaired ASD, CHD are cat 3 due to thrombotic risk

How New Medical Knowledge is Created

How New Medical Knowledge is Created (GEMC)

Taubman Health Sciences Library
University of Michigan

Webinars

- Expanding Contraceptive Choice: A Webinar Series
  A series on family planning methods including detailed knowledge about the methods, including how to use them and how they work and hear about global level and country implementation experiences. From USAID, FP2020 and the Implementing Best Practices initiative

- High Impact Practices in Family Planning Webinar Series
  Source: HIP (High Impact Practices for Family Planning)

- Social and behavior Change Communication (SBCC) Webinars
  Source: Health Communication Capacity Collaborative, a USAID-funded project.

- Taking the Pulse of the Expanded Mexico City Policy, 31 Oct 2017
  Source: Center for Health and Gender Equity with Human Rights Watch and the International Women’s Health Coalition

Online Courses/Tutorials

- Online Course: Core Areas of Reproductive Healthcare
  Malaysia Medical Association's free online 10-part online course
Learning Videos and Webinars

Webinars

- **Expanding Contraceptive Choice: A Webinar Series**
  A series on family planning methods including detailed knowledge about the methods, including how to use them and how they work and hear about global level and country implementation experiences.
  From USAID, FP2020 and the Implementing Best Practices initiative.

- **High Impact Practices in Family Planning Webinar Series**
  Source: HIP (High Impact Practices for Family Planning)

- **Social and behavior Change Communication (SBCC) Webinars**
  Source: Health Communication Capacity Collaborative, a USAID-funded project.

- **Taking the Pulse of the Expanded Mexico City Policy, 31 Oct 2017**
  Source: Center for Health and Gender Equity with Human Rights Watch and the International Women’s Health Coalition
Expanding Contraceptive Choice Webinar Series

The Advancing Partners & Communities project, in collaboration with Family Planning 2020, the Implementing Best Practices initiative and USAID’s Office of Population and Reproductive Health, is hosting a webinar series designed to share information about various family planning methods. Participants gain detailed knowledge about the methods, including how to use them and how they work and hear about global level and country implementation experiences and method-specific “hot topics.”

Objectives of Webinar Series

1. Raise awareness and provide technical information on a range of contraceptive methods
2. Highlight in-country and programmatic experiences, including challenges and successes
3. Serve as a forum to answer questions and promote discussion about family planning methods
4. Advance the principles of voluntarism and informed choice as fundamental components of high-quality family planning programs

Click on the links below to view details and register for upcoming webinars.

Past Webinars

Expanding Contraceptive Choice: Webinar on Tubal Ligation
December 06, 2018
The sixth webinar in the Expanding Contraceptive Choice series will be on Tubal Ligation. The webinar is on Thursday, December 6, 2018, from 9:00–10:00 A.M. ET.

Expanding Contraceptive Choice: Webinar on Vasectomy
August 02, 2018
With gratitude

Questions? Comments?
preet@umich.edu