The Nurse’s Role Related to Fertility Health, the Aging Population, & Replacement Population
United Nations Non Governmental Organization (NGO)

Thank You, All Members of CICIAMS for the honor and privilege to serve

2015 to Present  Patricia Sayers DNP RN CICIAMS UN Rep
2015 to Present  Maria Arvonio MA RN
2015 to Present  Marian Nowak DNP MPH RN
2015 to 2017     Patricia Staley RN Catholic Radio Host
2018             Courtney Donahue DNP RN (Youth Member)
2018             Sarah Donahue BSN RN (Youth Member)
Thank You, All Members of CICIAMS for the honor and privilege to serve
Especially Geraldine Mc Sweeney, Donatus Akpan,
St Anne John, Theresa Cheong, &
Executive Board from 2015 to Present

NGO = The Voice of Civil Society
Four Nursing NGOs at the United Nations

1. The International Catholic Committee of Nurses and Medico-Social Assistants (CICIAMS)
2. The Nightingale Initiative for Global Health (NIGH)
3. The International Council of Nurses (ICN)
4. Sigma Theta Tau International (STTI)
CICIAMS

United Nations Non Governmental Organization (NGO)

Focus: Population Division

CICIAMS - consultation status - Office of Economic & Social Affairs (ECOSOC).

Under ECOSOC, the Division of Population activities became our focus

Adolescents & Youth /Aging
Environment
Family Planning / Fertility
HIV/AIDS
International Migration
Marriage and Unions
Mortality
MDGs
Population Policies / Trends
SDGs / Urbanization
The Nurse’s Role Related to Fertility Health, the Aging Population, & Replacement Population
United Nations
2030 Sustainable Developmental Goals

The SDGs matter because they are intended to drive the allocation of global financial and human resources, and to help direct nations’ and donors’ policy priorities between now and 2030.  

(Galati, A.J., 2015, Guttmacher Institute)
Regarding:
1) Fertility Health 2) Aging Population 3) Replacement Population

Attendee nurses will be able to:
1. Define these global health issues (Evidence-based)
2. Identify concerns affecting patients/Catholic nurses
3. Acknowledge strategies addressing care concerns
4. Specify roles for Catholic Nurse engagement
Health

[helth] a relative state in which one is able to function well physically, mentally, socially, and spiritually in order to express the full range of one's unique potentialities within the environment in which one is living

• https://medical-dictionary.thefreedictionary.com/wholistic+health
The Joint Commission
The requirements that address spiritual needs and practices  PC.02.02.13

Cultural & linguistic competence is a set of congruent behaviors, attitudes, and policies that come together in a system, agency, or among professionals that enables effective work in cross-cultural situations.

Culture' refers to integrated patterns of human behavior that include the language, thoughts, communications, actions, customs, beliefs, values, and institutions of racial, ethnic, religious, or social groups.

https://npin.cdc.gov/pages/cultural-competence
Definition of Health

CONSTITUTION OF THE
WORLD HEALTH ORGANIZATION
Health is a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity.

What is missing in this statement?
Fertility Health

The subject of fertility health refers to freedom from physical disease or injury and the functional condition of males and female’s reproductive systems through all stages of life.
“Reproductive health is a state of complete physical, mental and social well-being, and not merely the absence of reproductive disease or infirmity. Reproductive health deals with the reproductive processes, functions and system at all stages of life”

UN POPULATION INFORMATION NETWORK

What is missing in this statement?
Family planning has been promoted as the “key” to achieving all the SDGs

Economic prosperity
Women’s empowerment, workforce participation
Reduced health, education costs
Environmental protection
Improved maternal, child health
Reproductive Health

… greatest benefits from reducing unintended pregnancies would be seen in the poorest countries, with GDP increases ranging from one to eight percent by 2035. There are few interventions that would result in such wide-ranging impacts while offering such incredible return on investment.

(World Bank)
2030 Sustainable Developmental Goals

1. No Poverty
3. Good Health & Well Being
5. Gender Equality

Annually est. 74M unintended pregnancies in developing countries => failing or lack of contraceptive access.

Of these unintended pregnancies, 36 million -> abortion

For each additional $1 spent on contraceptive services above current level, cost of pregnancy-related care is reduced by $2.22.
<table>
<thead>
<tr>
<th>Terms</th>
<th>Definitions</th>
<th>Statistics</th>
<th>Trends</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fertility Health</td>
<td>UN Reproductive Health</td>
<td>Global Measure</td>
<td><strong>UN 2017 World TFR 2.438</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Total Fertility Rate TFR</strong></td>
<td>09/2018 World Pop est <strong>7.6B</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Child/Woman Replacement Rate 2.1</td>
<td>(Worldometer, 9/18)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>2100 World TFR 2.0</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>World Pop est <strong>11.2B</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(UN,2017)</td>
</tr>
</tbody>
</table>
Population = Births, Longevity, & Migration

<table>
<thead>
<tr>
<th>Region</th>
<th>2020</th>
<th>2050</th>
<th>2100</th>
</tr>
</thead>
<tbody>
<tr>
<td>World</td>
<td>7.8B</td>
<td>9.9B</td>
<td>11.2B</td>
</tr>
<tr>
<td>Africa</td>
<td>1.4B</td>
<td>2.53B</td>
<td>4.47B</td>
</tr>
<tr>
<td>Asia</td>
<td>4.6B</td>
<td>5.285</td>
<td>4.8B</td>
</tr>
<tr>
<td>Europe</td>
<td>744M</td>
<td>716M</td>
<td>653M</td>
</tr>
<tr>
<td>Latin America</td>
<td>664M</td>
<td>780M</td>
<td>712M</td>
</tr>
<tr>
<td>North America</td>
<td>369M</td>
<td>435M</td>
<td>499M</td>
</tr>
<tr>
<td>Oceana</td>
<td>42M</td>
<td>57M</td>
<td>72M</td>
</tr>
</tbody>
</table>
List of countries ordered by their population size

合計：7,515,284,153
<table>
<thead>
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<th>Terms</th>
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</thead>
<tbody>
<tr>
<td>Aging Population</td>
<td>Number of persons &gt; 60 yo increases faster than youth 0-14 yo</td>
<td>Median Age of World Population</td>
<td>Year 2100 Depends on Fertility</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2015 29.6yr</td>
<td>Constant 23.6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Low 49.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Medium 41.6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>High 35.6</td>
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</tbody>
</table>
CICIAMS

UN Key Factors of Population Growth: Births, Longevity, & Migration
Fertility Health / Aging Population / Population Replacement

<table>
<thead>
<tr>
<th>Median Age 2015</th>
<th>2020 Age Median</th>
<th>2050 Age Median</th>
<th>2100 Age Median</th>
</tr>
</thead>
<tbody>
<tr>
<td>29.6 yrs</td>
<td>30.8</td>
<td>31.7</td>
<td>23.6</td>
</tr>
<tr>
<td>Constant Fertility</td>
<td>31.2</td>
<td>40</td>
<td>49.2</td>
</tr>
<tr>
<td>Low Fertility</td>
<td>30.9</td>
<td>36.8</td>
<td>41.6</td>
</tr>
<tr>
<td>Medium Fertility</td>
<td>30.6</td>
<td>32.2</td>
<td>35.6</td>
</tr>
<tr>
<td>High Fertility</td>
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</table>
Demographic Dividend:
the productivity boost enabled by declining fertility.
Educational investment are made in a shrinking youth cohort.

More resources for the few (lure families & societies)
Essentials: Food, Water, Clothing, Housing, Vacations
Education: Empowerment and Opportunities
Less Poverty  Less Hunger  Less Sickness
Demographic Deficit:
reduction in wealth due to aging of the population: in financial context, the increase in budget deficit due to aging of the population… When economies are comprised of more numbers of elderly, … spend more on pensions, retirement benefits, healthcare costs, as well as eventually unable to find enough workers for the jobs being existing and created.
UN Key Factors of Population Growth: Births, Longevity, & Migration
Fertility Health / Aging Population / Population Replacement

MIGRATION HOSTS 2015-2050
Annually “more than 100,000 migrants projected to USA, Germany, Canada, UK, Australia & Russian Federation.

MIGRATION SENDERS 2015-2050
Annually, more then 100,000 from India, Bangladesh, China, Pakistan, and Indonesia

CULTURAL & ENVIRONMENT TRANSITIONS
UN Key Factors of Population Growth: Births, Longevity, & Migration

Fertility Health / Aging Population / Population Replacement

<table>
<thead>
<tr>
<th>World &amp; Regions</th>
<th>Urbanization 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>World</td>
<td>55%</td>
</tr>
<tr>
<td>Africa</td>
<td>49%</td>
</tr>
<tr>
<td>Europe</td>
<td>74%</td>
</tr>
<tr>
<td>Latin America Caribbean</td>
<td>78%</td>
</tr>
<tr>
<td>North America</td>
<td>82%</td>
</tr>
<tr>
<td>Oceana</td>
<td>67%</td>
</tr>
<tr>
<td>Asia</td>
<td>49%</td>
</tr>
</tbody>
</table>

**URBANIZATION**

Currently, > half of the world’s population in urban areas.

By 2050, est 68% of world’s population expected to live in urban areas. 90% from Asia & Africa

Over 60% of land projected to become urban by 2030 is yet to be built.
Objective #2 Identify concerns patients/Catholic nurses

1. Reproductive Health Modalities being promoted in society violate Catholic/and other values, beliefs, and teachings

2. Aging population needs access to geriatric nursing skill sets, safe & healthy living environments, plus jobs suited for the elderly
Objective #2 Identify concerns patients/Catholic nurses

3. Migration: Childhood immunizations program, drugs shortages, health systems for refugees, lack of health records, concerns regarding HIV, Hep C, TB, internal parasites, & traumatic stress due to people leaving ancestral homes

4. Urbanization – large urban centers are natural disaster prone (coastal – hurricanes, monsoons, flooding) City slims house now est home of 1M. Migration to urban cities.
Objective 3. Acknowledge strategies addressing care concerns

1. Reproductive Health Modalities in Violation of Cultural Sensitivity:
   a) Advocate & deliver fertility health modalities in keeping with Catholic teachings (NaproTechnology, Billings, Marquette)
   a) Advocate for cultural competency (human rights)
   b) Advocate for informed consent (to include risks and alternatives)

2. Aging population needs expansion of geriatric nursing skill sets, geriatric nursing programs & living environments plus jobs suited for the elderly
Objective 3. Acknowledge strategies addressing care concerns

3. Migration: Involvement of nurses in planning health care systems for migrants, provide incentives for nurses to engage in migrant services, advocate for migrants/join others

4. Urbanization – Fortify the presence of nurses in urban areas, jobs, schools of nursing, involve nurses in planning, incentive for nurses, focus: health promotion/prevention
Objective #4 Specify roles for Catholic nurse engagement

1. Practice Roles: Fertility Health/Fertility Awareness
   a) Certifications in Evidence-based Methods consistent with Catholic teaching (NaproTechnology, Billings, ie)
   b) Services Accessibility & Affordability - clinics
   c) Expertise in cultural sensitivity – certification, advanced degrees

2. Practice Role: Aging population
   a) Expand geriatric nursing skill sets & services
   b) Promote health & safety in the home environments/communities
   c) Elder jobs
   d) How can elder nurses contribute
Objective #4 Specify roles for Catholic nurse engagement

3. Practice roles in Migration: Involvement of nurses in planning health care systems for migrants, provide incentives for nurses to engage in migrant services, advocate for migrants

4. Practice roles re Urbanization – Fortify the presence of nurses in urban areas, jobs, involve nurses in planning, incentive for nurses, focus: health promotion/prevention
Object #4 Specify Nursing Roles

<table>
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<th>Education</th>
<th>Research</th>
<th>Policy</th>
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<tbody>
<tr>
<td>Fertility Health</td>
<td>. Prepare Faculty</td>
<td>Quantitive &amp; Qualitative Studies</td>
<td>Advocate: Respect life policies</td>
</tr>
<tr>
<td>Fertility Awareness</td>
<td>. Accessible Programs</td>
<td>RCT</td>
<td>Birth to deaths</td>
</tr>
<tr>
<td></td>
<td>. Affordable Programs</td>
<td>Outcome data</td>
<td>Revise definitions, Cultural competency,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Publish</td>
<td>informed consent, Funds</td>
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<td></td>
<td>Disseminate</td>
<td>Publish</td>
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## Object #4 Specify Nursing Roles

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<tr>
<td></td>
<td>. Affordable Programs</td>
<td>Publish . Disseminate</td>
<td>Safe &amp; healthy environments</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Jobs for aging</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Education for aging</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Funds Publish Disseminate</td>
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### Object #4 Specify Nursing Roles

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<tbody>
<tr>
<td>Replacement Population/Migration</td>
<td>Prepare Faculty . Accessible Programs . Affordable Programs . Educational Pathways</td>
<td>Quantitative &amp; Qualitative Studies RCT Outcome data Publish . Disseminate</td>
<td>Advocate: Respect life policies Safe &amp; healthy environments Language education Health Records Funds Publish Disseminate</td>
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Thank You

Please Share Your Experiences & Comments
The Nurse’s Role Related to Fertility Health / the Aging Population / Replacement Population

MIGRATION PROJECTIONS

HOSTS 2015-2050
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SENDERS 2015-2050
Annually, more then 100,000 from India, Bangladesh, China, Pakistan, and Indonesia

CULTURAL & ENVIRONMENT TRANSITIONS
Concerns affecting patients and Catholic nurses

A. UN Reproductive Health

   Population reduction methods being promoted
   1) Hormonal contraception
   2) IUD
   3) Sterilization
   4) Abortion

   UN Mandate: Universal access – a global human right
Concerns affecting patients and Catholic nurses

Education for Sustaining Health: Engaging Development, Respecting Life

Respect for life
Objective 2: Identify the issues for Catholic Nursing engagement

A. Fertility Health (UN Reproductive Health)
   Population reduction methods being promoted
   1) hormonal contraception, 2) IUD, 3) sterilization
   2. Universal access – a human right
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United Nations    Non Governmental Organization (NGO)
Objective 2: Identify the issues for Catholic Nursing engagement

B. The Aging Population
   1. Demographic dividend (short term gains!)
      More women in the work force – greater productivity
   2. Few children – more money and resources – fewer people
   3. Greater family prosperity – greater national prosperity

B1. Issues
   1. Need for
   2. Gains are short term
   2. Demographic winter prospect looms
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Fertility Health / Aging Population / Replacement Population

1. Identify the global health issues
   Define term
   UN Global Statistics (Evidence-based)
   UN Pattern and Trend Documents (Evidence-based)

2. Discuss concerns
   Cultural sensitivity
   Health benefits and risks

3. Acknowledge strategies
