



Institut für Pflegewissenschaft
Institute of Nursing Science

Global nursing perspectives: Advanced Practice Nursing

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Human Resources for Health –

Innovations in Medical Education, Vocational Training and
Continuing Professional Development

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Swiss TPH



Swiss Tropical and Public Health Institute
Schweizerisches Tropen- und Public Health-Institut
Institut Tropical et de Santé Publique Suisse

Associated Institute of the University of Basel

Demographic trends



Aging population

Advances in Science and Technology



Limited budgets

CHF

Epidemiological trends



Non-communicable diseases
Multi-comorbidity

Global and environmental trends



Patient safety and quality



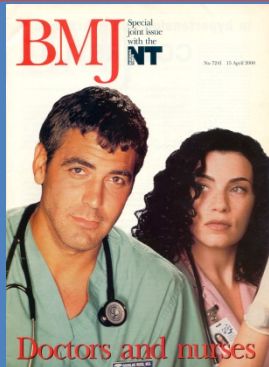
Social and economic trends



Cost containment

CHF

Workforce shortages



Doctors and nurses





**Creating
'value chains'
from
research,
education
towards
innovation in
service
delivery
to improve
outcomes.**



**Interprofessional
collaborative practice →
'new' care models
proposed as valuable
instruments to tackle
challenges**

**Nurses as part of
interdisciplinary teams**

[illegible]

Advanced Practice Nurses- An umbrella term



Tracy MF & O'Grady E (Eds.). (2018). *Hamric and Hanson's Advanced Practice Nursing. An Integrative Approach* (6th Edition.). St. Louis, MO: Elsevier Saunders. ISBN: 9780323447751

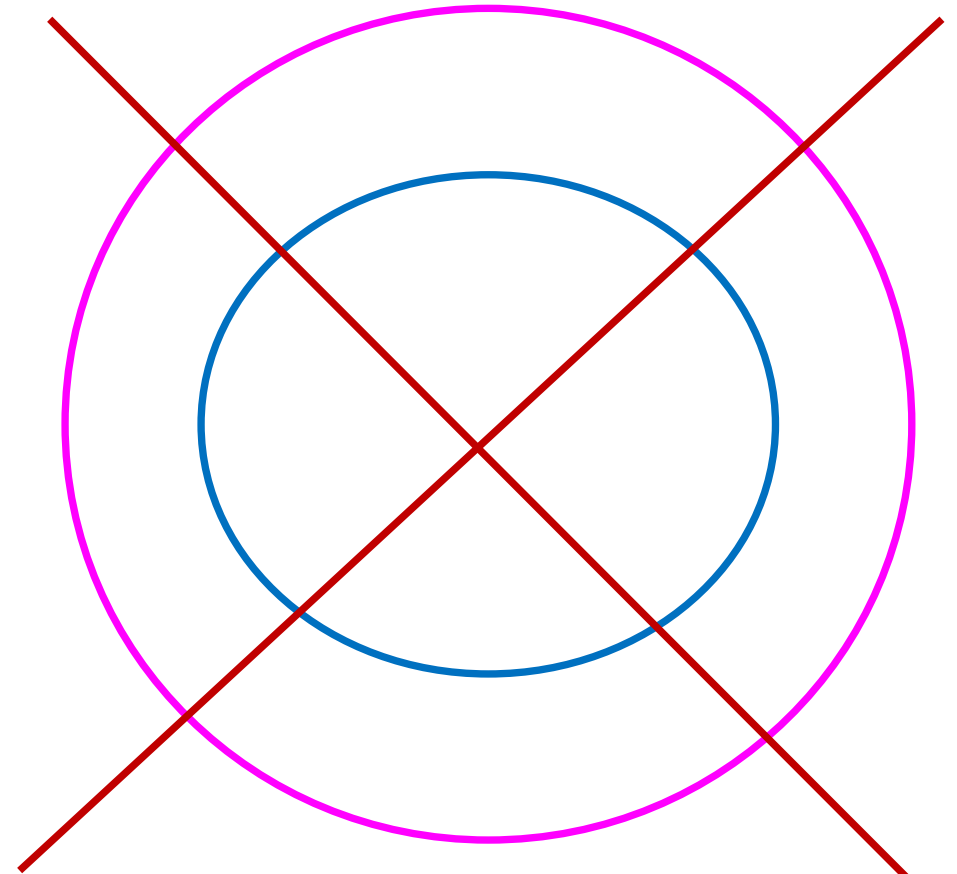
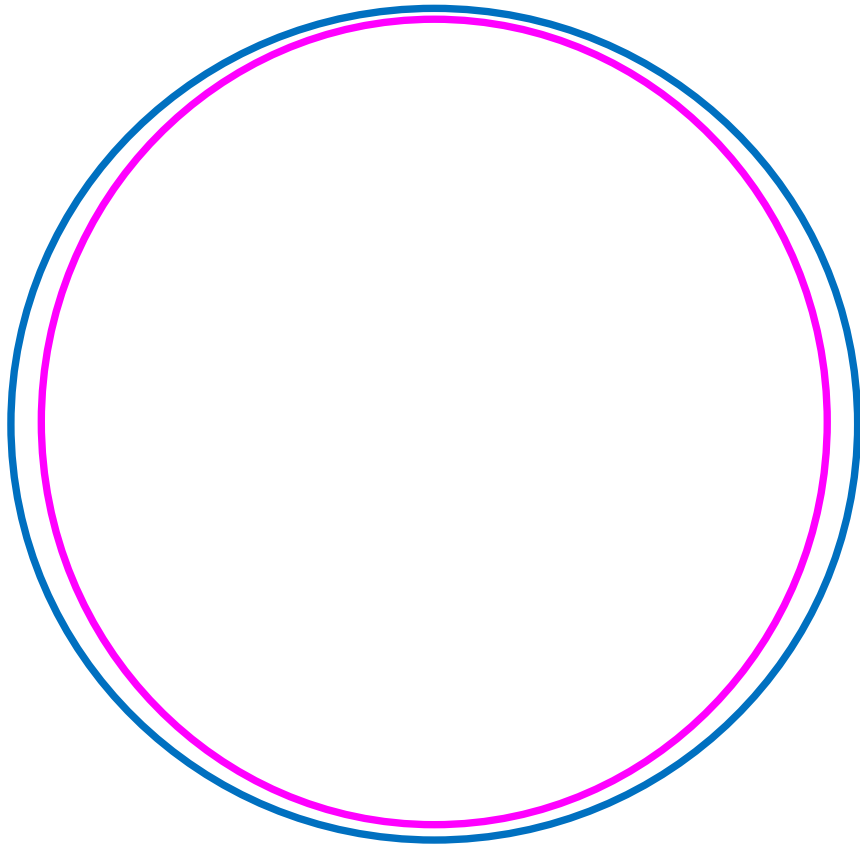


Nurses in advanced roles in primary care

POLICY LEVERS FOR IMPLEMENTATION

- 1) development of specific **advanced practice nursing roles** at the interface between the traditional nursing and medical professions
- 2) introduction of various **new, supplementary nursing roles**, often focused on the management of chronic conditions
- 3) rise in **educational programmes** to train nurses to the required skills and competencies;
- 4) the **adoption of new laws and regulations** since 2010 to allow certain categories of nurses to prescribe pharmaceuticals, E.g. Estonia, Finland, France, Netherlands, Poland, Spain & ... **Switzerland Canton Vaud, Nov. 2017 – NP & prescription rights**

Advanced Practice Nurses can take responsibility for an expanded scope of practice because they have expanded set of *clinical competencies*



— Scope of practice
— Competencies

Advanced Practice Nurses- The evidence base

- **APN (NP) vs. MD**
- **Interprofessional teams with APN vs. MD model**

- **Systematic reviews and meta-analyses**

- Bryant-Lukosius et al. *Journal of Evaluation in Clinical Practice* 2015; 21(5), 763-81
- Donald et al. *Journal of Advanced Nursing* 2013; 69(10), 2148-61.
- Donald et al. *Nursing Research and Practice* 2014; 896587
- Donald et al. *International Journal of Nursing Studies* 2015; 52(1), 436-51.
- Martin-Misener et al. *BMJ Open* 2015; 5(6), e007167.
- Martinez-Gonzalez et al. *BMC Health Services Research* 2015; 14, 214.
- Martinez-Gonzalez et al. *PLoS One* 2014; 9(2), e89181.
- Martinez-Gonzalez et al. *Medical Care Research and Review* 2015; 72(4), 395-418.
- Martinez-Gonzalez et al. *Swiss Medical Weekly* 2015; 145, w14031.
- Martinez-Gonzalez et al. *Human Resources for Health* 2015; 13, 55.
- Kilpatrick et al. *Journal of Evaluation in Clinical Practice* 2014; 20(6), 1106-23.
- Kilpatrick et al. *Nursing Leadership (Tor Ont)* 2015; 28(3), 56-76.
- Swan et al. *International Journal for Quality Health Care* 2015; 27(5), 396-404.
- Newhouse et al. *Nursing Economics* 2011; 29: 1-22

- **Outcome research studies**

- Virani et al. *JACC*; 2015
- Kuo et al. *Medical Care* 2015

Advanced Practice Nurses- The evidence base

- APN (NP) vs. MD
- Interprofessional teams with APN vs. MD model
- **Systematic reviews and meta-analyses**

Care provided by APNs or teams including an APN is as least equal to MD care or MD models of care in view of process and clinical outcomes
(economic outcomes less evident given scarcity of research)

Newhouse et al. *Nursing Economics* 2011; 29: 1-22

- **Outcome research studies**

Virani et al. *JACC*; 2015

Kuo et al. *Medical Care* 2015

Drivers influencing development such as Advanced Practice Nurses

Workforce
issues

Outcomes research

Legal and policy
context



Practice
patterns

Education

APNs contributions to meeting Sustainable Development Goals.

- *SDG 1 - No poverty*
- *SDG 3 - Good health and wellbeing*
- *SDG 4 - Quality education*
- *SDG 5 - Gender equality*
- *SDG 8 - Decent work and economic growth*
- *SDG 10 - Reduce inequalities*
- *SDG 17 - Partnerships for the goals*

Advanced Practice Nurses do have the competencies to be in the driving seat of innovations in health care

APNs driven innovations should target those health care issues that have major impact in view of clinical outcomes and costs

APNs as a health system intervention

Nurse-led health service delivery redesign

