

MAPPING COUNTRY WORKER CLASSIFICATIONS

to international standards to inform research, planning, and policy

Occupational titles related to health according to the ISCO, 2008 revisions

Health professionals

Generalist medical practitioners

Medical doctors

Occupational title

Group code

Minor

221

Submajor

Unit

2211

Background

Many potential sources of human resources for health (HRH) data and information exist:

- Staffing, payroll, and licensing records
- Population censuses and surveys
- Health facility assessments
- Special HRH studies.

The Challenge:

How to analyze and synthesize HRH data across multiple sources to enhance comparability of findings?

- Data on health workers are often not comparable as job titles—e.g., midwife, nurse, medical assistant, pharmaceutical assistant—can have different meanings in different countries and work locations (e.g., a "midwife" in one country might be a "nurse" in another or "birthing coach" in another, even if their job duties are identical.)
- To accurately assess health systems performance, one must be able to compare data within and across countries and over time.

The Solution:

Administrators of human resources information systems, such as the open source iHRIS software (www.iHRIS.org), can align their HRH data to the International Standard Classification of Occupations (ISCO)—a tool for organizing occupational information into a clearly defined structured set of occupational groups, titles and codes. Mapping "midwife", "nurse" or "birthing coach" to the corresponding ISCO group enables more accurate comparisons.

ISCO:

- Uses a hierarchical structure, reflecting the distinction of workforce subgroups according to similarities in skill level and skill specialization required to fulfill the job duties
- Offers guidelines on how workers can be classified into the most detailed groups
- Allows HRH data to be accurately collected, reported and compared.

Using iHRIS, this mapping has begun in Kenya and Uganda. When a health worker enters the system, that person's job information is entered into the iHRIS with the corresponding ISCO code. It is as simple as matching the ISCO description to that particular job function, regardless of title. Countries and researchers can reference ISCO's mapping structure to classify their national and local HRH categories at http://www.who.int/hrh/ statistics/Health_workers_classification.pdf.

The Results and Importance:

ISCO is the basis of many national occupational classifications. As part of its updating in 2008 (www.ilo.org/public/english/bureau/stat/isco/index. htm), the International Labour Organization - with support from the World Health Organization and partners - has improved its content and usability with respect to health occupations.

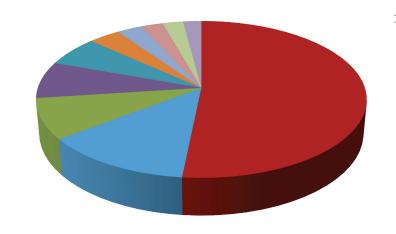
As more ministries of health begin to understand the importance of mapping health worker data to such classification standards and to implement this practice, it will:

- Facilitate communication about health occupations
- **Enhance comparability** of HRH data within and across countries and over time
- Strengthen the global evidence base on HRH and make it possible to use health workforce data more effectively for research, planning and policy
- Allow us to gain a greater understanding of, and develop better solutions for, the global health workforce crisis based on country needs and gaps.

EXAMPLE 1: These two national health ministries have not mapped their staff titles to ISCO standards. Comparisons are meaningless since the job title in one country may not be the same in the other. A "midwife" might be listed as a "nurse". The make-up of administrative and support staff is unclear. It is impossible to know if the two different health workers actually share similar job functions.

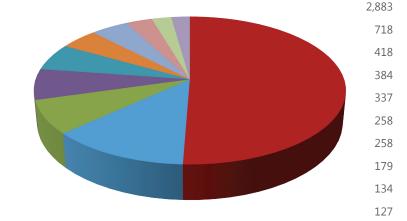


EXAMPLE 2: The two ministries have successfully mapped their HRH information to ISCO standards. Different local titles for workers with the same skill set and providing the same services have been aligned (e.g. "nurse practitioner" versus "nurse level II"). The comparison is accurate, the reports are easily generated, and we are much better equipped to deal with health workforce needs because of the clean, clear data such comparisons allow.

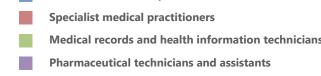




Medical and pathology laboratory technicians 1,126 Community health workers 783 Plant and machine operators and assemblers 726 Specialist medical practitioners 646 Medical records and health information technicians



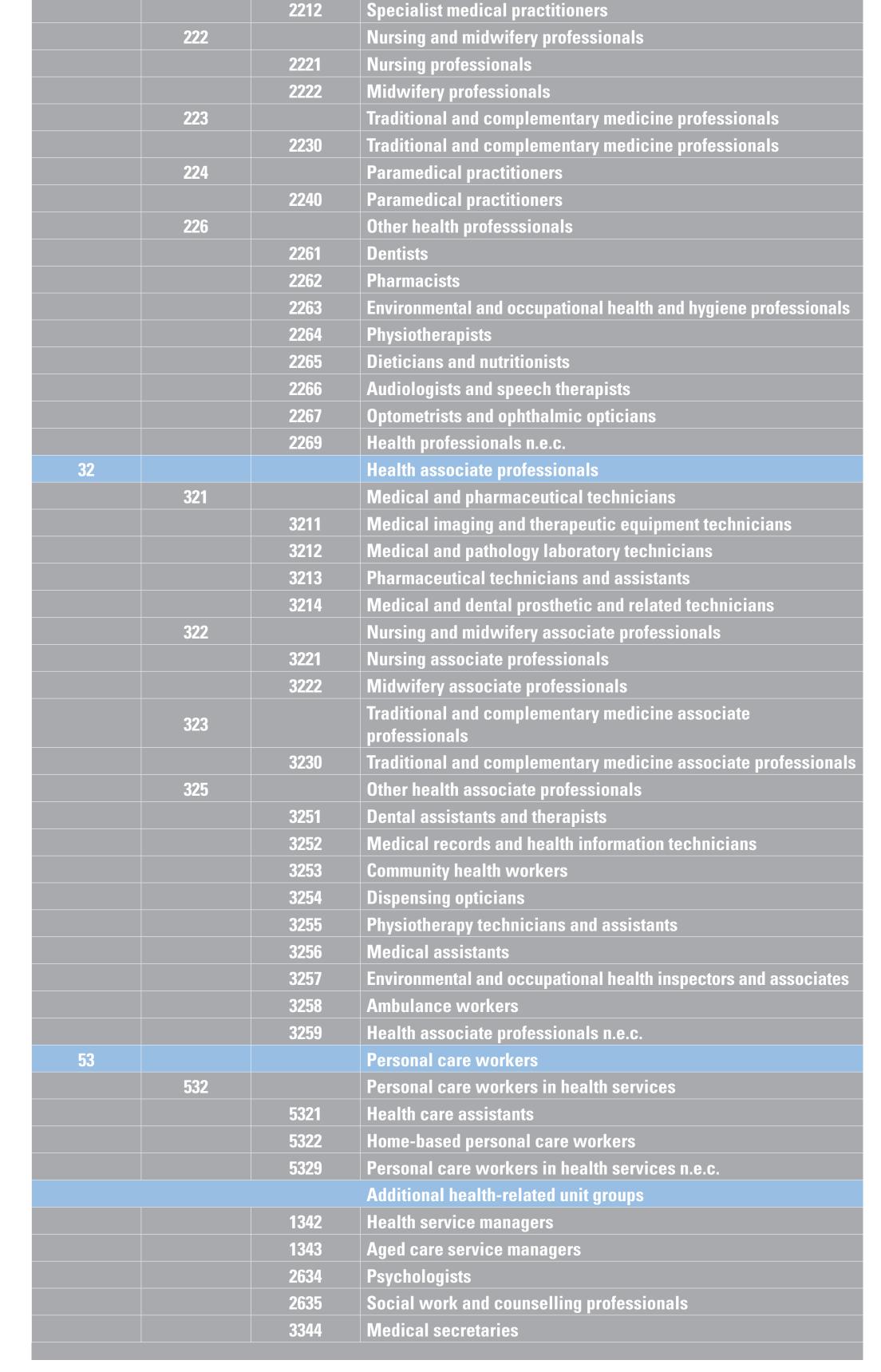






Because Health Workers Save Lives.





COMBINED DATA: Since both ministries have now mapped their HRH information to the same standard, we can aggregate the data across countries, looking at a combined pool. With more countries disseminating health labour data mapped to ISCO, we can look at more complete regional and global profiles of the health workforce.

