

International
Pharmaceutical Federation
(FIP) Foundation for
Education and Research

Advancing Pharmacy
Education Globally



FIP Foundation for Education and Research

ADVANCING PHARMACY EDUCATION GLOBALLY

Advancing science, practice, innovation and delivering healthcare reform requires:

- a professionally educated health-care workforce
- an appropriate academic and institutional infrastructure
- high quality competency-based education

Pharmacists, pharmaceutical scientists and pharmacy support personnel manage all aspects of the pharmaceutical supply and use chain from research and development to production, distribution, dispensing, counselling and medication therapy monitoring. Additional roles for pharmacists, as clinicians and as scientists, are increasingly recognised and valued.

However, critical shortages in educated professional staff are affecting the availability of clinical, patient-care services and research solutions for local communities. In particular, limited human resources are jeopardizing the availability and use of medicines and medical sundries needed to achieve the Millennium Development Goals (MDGs) on child mortality, improve maternal health, combat HIV/AIDS, malaria and other diseases and develop global partnerships for development.

FIP's role and commitment to support pharmacy education

FIP is the most extensive global pharmacy and pharmaceutical sciences network, representing over **2 million pharmacists and pharmaceutical scientists worldwide**.

This network continues to expand through partnerships with some of the world's leading healthcare, educational and scientific institutions – including the World Health Organisation (WHO), the United Nations Education, Scientific and Cultural Organisation (UNESCO), and the UN Economic and Social Council (ECOSOC).

FIP's philosophy is to empower its members to positively influence global health through a partnership approach.

MILLENNIUM DEVELOPMENT GOALS

MDG 4. Reduce child mortality

Pneumonia, diarrhea, malaria and AIDS account for 43 per cent of all deaths in under-fives. Most of these lives could be saved through low-cost prevention and treatment measures, including antibiotics for acute respiratory infections, oral rehydration for diarrhea and immunization.

MDG 5. Improve maternal health

More than 80 per cent of maternal deaths are caused by conditions such as hemorrhage, sepsis, and hypertensive diseases of pregnancy, each requiring medication and the use of medical sundries. It is estimated that meeting the unmet needs for contraception alone could cut, by almost a third, the number of maternal deaths.

MDG 6. Combat HIV/AIDS, malaria, and other diseases

Each disease has medication as part of the treatment protocol.

MDG 8. Develop a global partnership for development

In cooperation with pharmaceutical companies, provide access to affordable essential drugs in developing countries.

FIP Mission

To improve global health by advancing pharmacy practice and science to enable better discovery, development, access to and safe use of appropriate, cost-effective, quality medicines worldwide.

FIP Strategic Objective

FIP is committed to increasing its role in facilitating and supporting the reform of pharmacy and pharmaceutical sciences education.

FIP and educational and health organizations have joined forces to provide evidence-based guidance, standards, tools and resources for educational curricula development in science and practice, to meet present and future workforce needs and societal expectations.

FIP action in pharmacy education

Good pharmacy education practice

FIP has set global policy on Good Pharmacy Education Practice that provides a conceptual framework for the design, implementation and assessment of contemporary educational programmes for pharmacists throughout the world.

Global Pharmacy Education Taskforce

As part of a tri-partite agreement, WHO, UNESCO and FIP endorsed the establishment of the Global Pharmacy Education Taskforce. The Taskforce was official launched at the 1st Global Health Workforce Alliance meeting of the WHO in Kampala 2008. This Taskforce has successfully implemented its' 2008-2010 Action Plan; providing evidence-based support to facilitate needs-based pharmacy education development.

Global Networks

FIP brings together like-minded individuals from around the world to exchange knowledge, build skills, develop and apply tools to improve pharmacy education in their respective countries. Through membership and annual congresses, FIP has engendered extensive networks of leaders that can affect local change.

- **AIM – Academic Institutional Membership:**

AIM is strengthening FIP networks among leaders in academia to advance pharmacy and pharmaceutical sciences education, globally. AIM brings together pharmacy schools and Deans that are engaged with FIP and committed to international exchange and leadership development.

- **African Network:**

A regional network developed to support intra-region collaboration through resource and experience sharing, as well as to pilot international frameworks and develop guidance based upon country case studies.

- **UNITWIN Network in Global Pharmacy Education Development:**

A UNESCO supported programme for university cooperation to support advocacy in professional pharmacy and pharmaceutical sciences education and improve communication for scientific innovation and healthcare outcomes. This is the first UNESCO UNITWIN collaboration in the field of higher education for health professionals and the first for global pharmaceutical education.

Specific areas FIP would like to expand upon with partners support

Global voice for pharmacy education

Partners are invited to support FIP in ensuring that pharmacy education has a global voice.

Four areas require urgent action to positively impact pharmacy education globally:

1. Preparing Leaders for Transformational Change in Pharmacy Education

Affecting transformational change in pharmacy education requires substantial investment in building leaders' ability and effectiveness in managing educational reform. Through a structured programme of educational meetings and events, a core set of high-level leaders will have the opportunity to share experiences, build leadership skills and work with mentors towards leading transformational change in Pharmacy Education.

2. Building Sustainable Academic Capacity to Transform the Curriculum

Academics throughout the pharmacy education system play an important role in reforming the curriculum. Developing and implementing a structured platform for exchange and a train the trainers' initiative will support an exponential growth and build the potential for effective and sustainable curriculum review and reform.

3. Building Consensus on Universal Competencies for the Pharmacy Workforce

A Global Competency Framework is being developed that identifies the core competencies that support all pharmaceutical services, from research to public health, which can be flexibly adapted towards improving professional standards and competence of the workforce. In order to prepare clinically oriented professionals, this framework will open up the scope for developing competency-based education and professional development. Consensus panels and a global consensus conference need to be held to finalise the development and adoption of this Global Competency Framework.

4. Focussing on Quality Assurance, Accreditation and Social Accountability in Pharmacy Education

The FIP Global Quality Assurance (QA) Framework sets out the core principles and elements considered essential and globally applicable for an effective approach to the QA of pharmacy education. The Framework is a tool to facilitate the establishment of QA systems and standards in countries where no such formal systems exist and to improve existing systems. To further advocate for QA, Accreditation and Social Accountability case studies are to be undertaken around the world and in Africa, the QA framework is to be disseminated globally to pharmacy schools and the impact of the Framework is to be systematically assessed, in part through regular QA, Social Accountability and Accreditation Forums.

With your support we can advocate for, collaborate with and support pharmacy education institutions, FIP members and stakeholders to improve pharmacy education and make transformational change possible, towards educating a pharmacy cadre that is relevant to the needs of society.

FIP FOUNDATION FOR EDUCATION AND RESEARCH

Pharmacy education refers to the educational design and capacity to develop the professional workforce for a diversity of settings (e.g. primary care, institutional practice, specialties, research and development, academia) across varying levels of service provision and competence (e.g. technical support human resources, pharmacists, pharmaceutical scientists, pre-service students) and scope of education (e.g. undergraduate, post-registration, continuing professional development, practitioner development, life-long learning).

For further information, please contact: Education@fip.org
Or visit http://www.fip.org/awards_foundation



The International Pharmaceutical Federation (FIP) is the global federation of national organisations of pharmacists and pharmaceutical scientists dedicated to improving the access to and value of appropriate medicine use, and contributing to changes in science, practice and health policies worldwide. FIP represents over 2 million pharmacists and pharmaceutical scientists worldwide.



The FIP Foundation for Education and Research stimulates study and innovation, supporting pharmacy in those areas where it is most needed, encouraging young pharmacists and promoting research into new and promising fields.