

# **A Guide to Training Resources on the Internet**

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The guide is produced annually by the American International Health Alliance as part of its Knowledge Management Program. This guide provides information on how to obtain access to a variety of free and low-cost online training resources in health care, social work, medicine and related fields. The following online resources are included:

## **Training from International Organizations and Projects**

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- BMJ Learning
- Building Leadership for Health program
- CDC Training and Continuing Education Online
- CDC TRAIN
- Cochrane Learning
- eCancer Educational Modules
- Education Development Center (EDC)
- eInstitute for Development from the World Bank Institute
- FHI 360
- Global Health eLearning Center
- Global Health Epidemiology
- Global Health Media Project
- HINARI Training Modules
- HRH Global Resource Center (GRC)
- Information Management Resource Kit (IMARK)
- I-TECH's Clinical Education Modules
- The John Hopkins Bloomberg School of Public Health OpenCourseWare
- JSI e-Learning
- K4Health
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- Open Resources for Nurse Educators
- Research for Life Training Portal
- ReproLinePlus
- Supercourse
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## **Training from Professional Organizations**

- ADVANCE for Nurses
- BioMed Central Author Academy
- Center for Advance Palliative Care
- CORE (Curricula Organizer for Reproductive Health Education)

- GeneEd
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- Basic Course on Evidence-based Practice
- Evidence-Based Practice for the Health Professions: A Free Online Course
- EU-EBM Courses
- NCCMT Learning Center
- NREPP's Learning Center
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### **MOOCs (massive online open courses)**

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- FutureLearn
- EdX

### **Finding Online Training Resources**

- Online Tutorial Resources
- Continuing education for health professionals
- E-learning Resources for Global Health Researchers
- Training Resources Bulletin
- Online Education Resources. Pinterest board

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## **Training from International Organizations and Projects**

### **African Health Open Educational Resources (OER) Network**



**Description:** Open Educational Resources (OER) are educational resources that are openly licensed, so that they can be used, adapted, integrated, and shared any time and place. The African Health OER Network fosters co-creation of resources, enabling institutions to share knowledge, address curriculum gaps, and use OER for improving the delivery of health education in Africa. Network aggregates the results of multiple health education initiatives by collecting, classifying, indexing, and then actively distributing African-initiated resources with the global health community. You can find existing OER,

get help to create your own, and request particular programs. The Health OER Request Facility has been set up to provide an online space for academics to solicit health related openly licensed learning materials. The request will be distributed to members of the African Health OER Network for potential responses.

**Access:** Participation in the African Health OER Network is open to all. The primary contributors and audience are African health academics, faculty and students, first focusing on those whose language of operation is English.

<http://www.oerafrica.org/healthoer>

## **BMJ Learning**



**Description:** BMJ Learning is one of the leading international online learning resources for medical professionals. It offers high-quality CME/CPD and postgraduate training for doctors and other healthcare professionals. It contains over 1000 evidence based modules in text, video, and audio formats, which are written by experts, and cover a range of clinical and non-clinical topics. Modules take 60 minutes to complete and you receive a personalised certificate on completion of each module

**Access:** Register to view free modules. Full access by paid subscription

<http://learning.bmj.com>

## **Building Leadership for Health**

**Description:** The Building Leadership for Health program was first developed in the UK by a team at a major international consulting firm. They worked with the Aga Khan Foundation and 5 East African Universities on an EU funded program to develop a common curriculum for Nurse Leadership and Advanced Nursing Practice in East Africa. On the web-site you can find materials that you can use for delivering training to your students: PowerPoint presentations for all 10 modules, links to other resources and programs to support health leadership development:

1. Leadership and Management Development in Health
2. Leading Change and Innovation for Health
3. Leading Community Engagement for Health
4. Leading Information and Communications for Health
5. Leading Knowledge Management for Health
6. Leading Negotiations and responses to Globalization for Health
7. Leading Health Finance and economics
8. Leading Project Management for Health
9. Leading Strategic and Business Planning for Health
10. A Guide to Mentoring and Coaching in Health

**Access:** Free

<http://www.building-leadership-for-health.org.uk/building-leadership-for-health-course/>

## **Centers for Disease Control and Prevention (CDC) Training and Continuing Education Online**



**Description:** Catalog includes training workshops, web-based courses, self-instructional cases, studies and webinars.

**Access:** After registration you can - Search the calendar and catalog of courses ; Select a downlink site for satellite broadcasts ; Register for courses; Complete course evaluation and exam ; View and print your transcript; Print your continuing education certificate

<http://www2a.cdc.gov/TCEOnline/>

## CDC TRAIN



**Description:** CDC TRAIN is a gateway into TRAIN National, the most comprehensive catalog of public health learning products. TRAIN is one of the most widely used learning management systems and is a free service of the Public Health Foundation.

Through this site you can:

- Find training to satisfy your professional development needs
- Track your learning via a single transcript
- Save customized searches and receive notifications when a new course matches your criteria

**Access:** Free. Registration required

<https://cdc.train.org/DesktopShell.aspx?tabId=189>

## Cochrane Learning



**Description:** Cochrane Learning from the Cochrane Collaboration is where health professionals can continue their professional development and improve their clinical practice. Dr Cochrane activities include an engaging and memorable patient story, five multiple choice questions, and a Cochrane Review. The activity should take you around one hour to complete. You are not expected to read the Cochrane Review from start to finish, but we recommend that you read the abstract before you launch the activity. You can then keep the Cochrane Review open as you answer the multiple choice questions in a separate window. At the end of the activity you will be asked to evaluate and reflect upon your learning experience and how you might apply the information to your clinical practice

**Access:** Registration on Wiley Health Learning is free and will give you access to all of the activities available from Wiley and their publishing partners. Wiley Health Learning enables you to, start, save,

and complete activities anytime you're online, and digitally store completed activities to retrieve your certificates whenever you need them.

<https://www.wileyhealthlearning.com/cochrane.aspx>

### **eCancer Educational Modules**



**Description:** ecancer is an oncology channel committed to improving cancer communication and education with the goal of optimizing patient care and outcomes. The e-learning education modules have been produced in association with the International Society of Nurses in Cancer Care and are part of an initiative funded by the BMS Foundation's Bridging Cancer Care program which aims to eliminate disparities in cancer treatment by building healthcare capacity, training healthcare workers and increasing patient awareness, screening and treatment. Available in Italian, Czech, Polish, Hungarian, Romanian, Russian and English.

**Access:** Free, after you register for the ecancer club it is possible to record your learning. The ePortfolio is where you can access content that you manually selected to shortlist on this site. You can also access content that you've recently viewed, and any Modules from the Education section that you started / completed will be listed here, along with any CME points, reflection notes and/or evaluation recorded against these.

<http://ecancer.org/education/education.php>

### **Education Development Center (EDC)**



**Description:** EDC advances formal and informal education, health promotion and care, workforce preparation, communication technology, and civic engagement. EDC's work is organized by individually funded projects that are housed in three divisions: Health and Human Development, International Development, and Learning and Teaching. It offers web-based courses, webinars, and curricula on numerous topics in health and human development, including: Mental Health; Posttraumatic Stress Disorder; Suicide; Violence; Injuries; Alcohol, Tobacco, and Other Drugs; Pandemic Influenza; Sexuality and Reproductive Health; HIV and Sexually Transmitted Infections; and Nutrition and Fitness.

**Access:** Free

<http://www.edc.org/>

### **The e-Institute for Development from the World Bank**



**Description:** The e-Institute offers both self-paced and facilitated courses that aim to make learning engaging and accessible by offering innovative choices tailored to multiple workplace cultures and learning styles. More than forty-five e-Learning courses address complex real-world problems in

priority areas such as governance, health, cities, climate change, and public private partnerships. Learners also have access to free monthly podcasts and webinars, video success stories, multimedia toolkits, and other resources.

**Access:** Free and for fee courses. You will be emailed a certificate of completion after you have successfully completed facilitated e-courses.

<http://einsteinstitute.worldbank.org/ei/>

### FHI 360



**Description:** FHI 360 is a nonprofit human development organization dedicated to improving lives in lasting ways by advancing integrated, locally driven solutions. Its staff includes experts in health, education, nutrition, environment, economic development, civil society, gender equality, youth, research and technology — creating a unique mix of capabilities to address today's interrelated development challenges. FHI 360 serves more than 70 countries and all U.S. states and territories. It provides a variety of training and education materials, ranging from toolkits to interactive modules in the following categories: Service Provider Training and Job Aids; Research Ethics Training; Youth Reproductive Health and HIV Prevention; Gender and Reproductive Health; Journalism Training; Training of Trainer Materials.

**Access:** These training materials are provided asynchronously and for free, although users may order a hard copy of certain materials.

<http://www.fhi360.org/>

### Global Health e-Learning Center



**Description:** The Global Health eLearning Center offers more than 70 courses aimed at increasing knowledge in a variety of global health technical areas, such as Health systems, HIV/AIDS, Malaria, Child survival, Family planning, Infectious diseases, monitoring and evaluation, mHealth and more. Individual courses are also part of certificate programs, listed on the Certificate Program page. Courses that have been translated can be found on the Translation page.

**Access:** Free

<http://www.globalhealthlearning.org/courses>

### Global Health Epidemiology



**Description:** It has been created to support collaboration and capacity building in the practice of epidemiology globally. It is a professional network for researchers running epidemiology studies in the field of Global Health for the sharing of knowledge, methods and tools. E-learning short courses are designed to cover every step, process, and issue that needs to be understood in order to conduct a high

quality clinical study. These courses should take about 45 minutes to complete and a certificate is issued on completion. Every course is written to be globally applicable, so for all diseases and all regions. They are also highly pragmatic and adaptable. Each course is carefully researched to provide up to date and high quality material that is peer reviewed and regularly reviewed and updated.

Also links to other training resources and a series of e-seminars on topics related to conducting clinical trials in the field of Global Health. They are MP3 (audio) and MP4 (video) files. You will need a media player to play them.

**Courses:** Introduction to Clinical Research; ICH Good Clinical Practice Course; Setting the Research Question; The Research Protocol: Part one; The Research Protocol: Part two; Data Safety Monitoring Boards for African Clinical Trials; Introduction to Consent; Introduction to Data Management For Clinical Research Studies; Introduction to Collecting and Reporting Adverse Events in Clinical Research

**Access:** Free. Some are available also in Swahili and other languages

<https://globalhealthepidemiology.tghn.org/elearning-centre/>

<https://globalhealthtrainingcentre.tghn.org/elearning/>

### Global Health Media Project



**Description:** A growing collection of online training videos on a variety of clinical global health topics created and distributed by the nonprofit Global Health Media Project, designed to reach low-resource health workers who have no other access to this clinical information. It was founded to put practical, life-saving knowledge into the hands of healers at the point of care. The newborn care series provides the target audience of frontline health workers with visual clinical guidelines for training and review in the clinic setting. The films are meant as complementary training tools, covering the key points of topics that can be visually conveyed. They can be used in pre-service and in-service education and be kept by health workers for review in their clinic settings

**Access:** Free. For health workers without internet connectivity, training NGOs and ministries of health can distribute them via a USB flash drive or a memory chip in a mobile phone. Available in English, Swahili and several other languages.

<http://globalhealthmedia.org/>

### HINARI Training Modules



**Description:** Access to Research in Health Programme /The HINARI Programme, set up by WHO together with major publishers, enables developing countries to gain access to one of the world's largest collections of biomedical and health literature. More than 7,500 information resources are now available to health institutions in 105 countries, areas and territories benefiting many thousands of health workers and researchers, and in turn, contributing to improved world health.

Training modules on Internet search, use of HINARI resources, resources on evidence-based medical practice, authorship skills. The individual training modules are continually refined following workshops throughout the world. The training material can be used by librarians and researchers alike, and in an individual or group environment. These PowerPoint presentations and Word documents are downloadable from the Training page. Each module presented builds on the previous, is supplemented by tutorial sessions and can be adapted for local training. The material is also available in CD-ROM format by emailing HINARI. The CD-ROM may be used on-line or without an Internet connection when not available.

The HINARI Short Course (for users) and the HINARI Train the Trainers Course (for trainers from developed countries) are online on the Medical Library Association (USA) distance learning server. These courses are self-paced, take 4-6 hours. Upon completion of the exercises, students will receive certificates.

Video Series consist of short videos that users at HINARI institutions can watch to learn HINARI basics, such as what is HINARI, how to access e-journals via HINARI, and how to search PubMed via HINARI. Videos are available online, and can also be freely downloaded or ordered on CD for no charge. Audio and text files are included. The website includes optional online quizzes and exercises. The whole series can be watched in under 30 minutes.

**Access:** Free

***<http://www.who.int/hinari/training/en/>***

### **HRH Global Resource Center (GRC)**



**Description:** The **Human Resources for Health Global Resource Center**, a management service of CapacityPlus, a USAID-funded project led by IntraHealth International. The HRH Global Resource Center eLearning platform offers free courses developed by technical experts in the fields of human resources for health, health informatics and health service delivery to build the capacity of country-based users in critical skills development.

**Access:** Users will create an account for free, providing them with an "enrollment key," which will allow them to access a variety of courses, some of which are offered in cohort over the course of several weeks.

***<http://www.hrhresourcecenter.org/elearning/>***

### **Information Management Resource Kit (IMARK)**



**Description:** IMARK is mobilizing and building upon existing resources to create a comprehensive suite of distance learning resources for information management and knowledge sharing. IMARK supports agencies, institutions and networks world-wide, and helps them to work together and share information more effectively. This Kit is a series of 7 online courses: Strategic Approaches to Information; Management of Spatial Information; Knowledge Sharing for Developing; Digital Libraries, Repositories, and Documents; Social Media for Development; Networking in Support of Development; Building Electronic Communities and Networks.



Asynchronous e-learning offers users the option of taking a course or a specific lesson whenever needed. It is often referred to as "just in time" learning. In addition to the e-learning materials, each course provides links to online resources, recommended reading, self-study tutorials, checklists and job aids.

**Access:** Free after registration. Anyone having problems with Internet access can order a CD version of the available courses.

<http://www.imarkgroup.org/>

### **I-TECH Clinical Education Modules**



**Description:** I-TECH's Clinical Education Modules are designed for mid-level health care providers in resource-limited settings, and available online for learners worldwide. The topics and speakers are varied, but each module typically presents cutting-edge research and thinking from university-based clinicians. The Modules are designed to be useful both for self-study and as the foundation of an hour-long classroom training session. They are optimized for online use in low-bandwidth settings, and also available for download and use offline.

Each module consists of: 30-40 Minute Online Educational Unit, 5 Minute Concept-Reinforcing Online Quiz Unit is intended for online self-paced learners, or as homework for classroom learners, this online interactive quiz uses questions, cases, or interactive methods to reinforce the learning objectives of the main educational unit, 3 Page PDF Teaching Guide which includes: an overview of learning objectives and intended audience for the unit, suggested discussion topics and class activities, additional resources and references.

Available modules: HIV Opportunistic Infections in Resource Limited Settings, HIV-Associated Cytomegalovirus Retinitis, New Strategies for HIV Prevention in Africa: Envisioning the End of AIDS, HIV Antiretroviral Resistance Testing, Immune Reconstitution Inflammatory Syndrome (IRIS), Hormonal Contraception and HIV Risk, New Developments in Antiretroviral Therapy, Developing Sustainable Laboratory Capacity in Resource-Limited Settings, HIV/TB Co-Infection: Initial Management

**Access:** Free

<http://edgh.washington.edu/clinical-education-modules>

### **The John Hopkins Bloomberg School of Public Health OpenCourseWare**



**Description:** The Johns Hopkins Bloomberg School of Public Health's OPENCOURSEWARE (OCW) project provides access to content of the School's most popular courses. The Bloomberg School's OCW: Does not require that participants register; Does not grant degrees or certificates; Does not provide access to JHSPH faculty; Requires acceptance of conditions of use. More than 100 courses in public health, epidemiology, research design, and other topics.

**Access:** Free. OCW offers open materials and images from more than a hundred courses developed by the faculty of JHSPH

<http://ocw.jhsph.edu/>

### JSI e-Learning



**Description:** John Snow, Inc., and its nonprofit JSI Research & Training Institute, Inc., are public health management consulting and research organizations dedicated to improving the health of individuals and communities throughout the world. JSI e-Learning offers courses commissioned by its clients and developed by John Snow, Inc. and JSI Research & Training Institute, Inc. Choose from available courses: Developing gender-responsive HIV Health Programs , Adolescent Brain, Logistics .

**Access:** Free. If you are new to JSI e-Learning, click "Create new account" , it will take a few minutes.

<http://elearning.jsi.com/>

### K4Health



K4Health's current eLearning activities include:

- Global Health eLearning (GHeL): Over 50 courses on a range of public health topics vetted by technical experts.
- PEPFAR eLearning: Courses focused on critical technical and programmatic guidance for PEPFAR implementing partners and national HIV/AIDS program staff around the world.
- Field-based eLearning: K4Health is involved in eLearning activities in Bangladesh, Nigeria, and the Southern Africa region.

Visit the **eLearning Toolkit** for a step-by-step guide to developing and implementing an eLearning strategy, highlighting key decision making junctures and linking to templates and additional resources

<https://www.k4health.org/product/elearning>

### Medical Aid Films

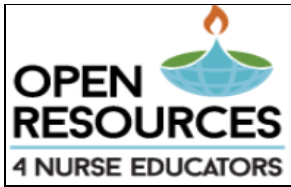


**Description:** Medical Aid Films aims to save the lives of vulnerable women and children in the developing world by providing innovative education and training through film. 179 films in 13 languages, from reproductive health and safe birth to prevention and management of obstetric emergencies.

**Access:** All films are available to watch or download for free

<http://medicalaidfilms.org/>

### Open Resources for Nurse Educators



**Description:** It is a place to share curriculum content and other educational materials that are free for use by nurse educators. Since 2003, Canadian volunteers sponsored by Mid-Main Community Health Centre have worked in Bangladesh to establish a nursing program. They developed a 4-year Bachelor of Science in Nursing [BSN] program for ESL learners, which has been approved by the Bangladesh Nursing Council and is being used at the International University of Business Agriculture and Technology. BSN Open Educational Resource (OER) provides an integrated package that includes: Student Learning Resources, Classroom Resources for Educators and Program Resources. This package includes not only classroom lectures (mostly PowerPoint presentations), but also student and teacher references, assignments and exams, checklists for clinical practice, and administrative policies.

**Access:** Free

<http://www.or4ned.com/>

### Research4Life Training Portal



**Description:** In this section you will find different Research4Life training material to download for free, information about local workshops and advanced courses for four programs: HINARI, AGORA, OARE and ARDI. The content of this portal is aimed at librarians, information specialists, scientists, researchers and students.

**Access:** Free

<http://www.research4life.org/training/>

### ReproLinePlus



**Description:** The site offers evidence-based materials and state-of-the-art learning opportunities in a range of technical areas and programmatic approaches. ReproLinePlus is sponsored and developed by Jhpiego (<http://www.jhpiego.org>). Jhpiego is an international non-profit health organization affiliated with The Johns Hopkins University. For more than 35 years and in over 150 countries, Jhpiego has worked to prevent the needless deaths of women and their families. Jhpiego works with health experts, governments and community leaders to provide high-quality health care for their people. Jhpiego develops strategies to help countries care for themselves by training competent health care workers, strengthening health systems and improving delivery of care.

You can find: Trainer and Educator Resources (Learning packages, Case studies, Exercises, Assessment tools, Model course schedules and more) and Learning opportunities (courses on different aspects of reproductive health)

**Access:** Free

<http://reprolineplus.org/resources/trainer-educator>

<http://reprolineplus.org/learning-opportunities>

## Supercourse



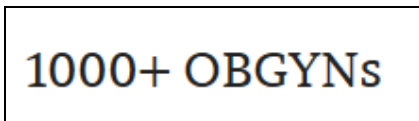
**Description:** Supercourse is a repository of lectures on global health and prevention designed to improve the teaching of prevention. Supercourse has a network of over 135,000 scientists in 174 countries who are sharing for free a library of 165,820 lectures in 33 languages. The Supercourse has been produced at the WHO Collaborating Center University of Pittsburgh. There are also lectures devoted to information technologies in health care, use of Internet, e-learning methods, developing web-based courses, and other related topics.

Supercourse does not grant degrees or certificates, but is designed to be a resource for teachers, professors, and other educators. Supercourse does not provide access to faculty members developing the modules. You may submit your lecture(s) as Microsoft PowerPoint Presentations.

**Access:** Free

<http://www.pitt.edu/~super1/>

## 1000+ OBGYNs



**Description:** Providers and students in low-resource countries will now have access to high-quality academic learning and teaching materials to help reduce maternal and new-born deaths in sub-Saharan Africa. The materials are available through a new collection created by the University of Michigan's 1000+ OBGYNs Project - a network of American and African universities preparing to train more than 1000 new Obgyns in the region in 10 years.

**Access:** All materials are publicly available for free, and licensed for students, teachers and practitioners to copy and modify to suit their curricular context

<http://www.1000obgyns.org>

## Training Resource Package for Family Planning (TRP)



**Description:** The Training Resource Package for Family Planning (TRP) is a comprehensive set of materials designed to support up-to-date training on family planning and reproductive health. The TRP was developed using evidence-based technical information from World Health Organization (WHO) publications: *Family Planning: A Global Handbook for Providers*; the latest *WHO Medical Eligibility Criteria for Contraceptive Use*; and *Selected Practice Recommendations for Contraceptive Use*.

The TRP contains curriculum components and tools needed to design, implement, and evaluate training. It provides organizations with the essential resource for family planning (FP) and reproductive health trainers, supervisors, and program managers. The materials are appropriate for pre-service and in-service training and applicable in both the public and private sectors. Games, energizers, and how-to references are to help trainers feel more confident in designing and conducting trainings. They can be useful supplements to any of the TRP Modules.

**June 2015 note:** Several modules on this site may be affected by revisions to the Medical Eligibility Criteria (MEC) for Contraceptive Eligibility being released soon by the World Health Organization. The Training Resource Package team will be working to update the content of this module in the coming months. You may still use the existing materials, but please review the Executive Summary for important changes. The new MEC Wheel can be used as an interim resource until the full revisions are released.

**Access:** Free

<http://www.fptraining.org>

## Tutorials for Africa



**Description:** The National Library of Medicine (NLM) in collaboration with the Faculty of Medicine at Makerere University in Kampala, Uganda initiated the MedlinePlus African Tutorials as a teaching tool. Medical students, health workers and staffs of clinics can use the tutorials in both electronic and hard copy formats to educate the general public. An advisory group of African scientists and physicians from across the continent identified top health concerns.

The MedlinePlus African Tutorial topics reflect those concerns identified by the group. NLM created the first MedlinePlus African Tutorial on malaria in collaboration with the Faculty of Medicine and a team of Ugandan doctors, medical students, artists, and translators. Faculty members worked with an artistic team to create locally meaningful text and illustrations for the tutorials. The malaria tutorial was then field tested in villages by medical students and translated into five local languages - Japadhola, Luganda, Luo, Runyankole and Swahili. The second tutorial is devoted to diarrhea. (Last updated in 2011).

**Access:** Free

<http://www.nlm.nih.gov/medlineplus/africa/>

## The Virtual Campus of Public Health



**Description:** The **Virtual Campus of Public Health** is a network of people, institutions and organizations that share courses, resources, services and activities of education, information and knowledge management in training. Is itself a tool of the technical cooperation of the Pan American Health Organization (PAHO) for networked learning in the region of the Americas. Self-paced courses and courses with tutoring. You can search for educational resources in the OER Network, regional node or country nodes.

**Access:** Free

<http://www.campusvirtualsp.org/?q=en>

## World Health Organization's (WHO) Health Academy

### Health Academy

**Description:** The academy's eLearning package of health courses provides more than just distance education. The graphics, animation and interactive features have been designed to engage people so that they can enjoy the learning experience. The package introduces basic principles of health awareness and encourages students to build on their knowledge, which helps them to develop critical thinking. Through its courses, the academy provides health guidance in terms easily understood by a wide range of people, and in consideration of cultural sensitivities and traditions. Information is first prepared in English and then translated into other languages as required.

The CD-ROM edition of the Health Academy eLearning program provides essential information on Tuberculosis, Malaria and Food Safety especially designed for secondary level and higher school-age children. The scientific content of the courses is presented in easy-to-understand language and made compelling with the use of sound, animation, games, activities, and quizzes. Courses are intended for one-on-one self-based learning and can be integrated into the school health education curriculum under the supervision of trained educators who act as mentors.

**Access:** Online - free. CD-ROM (Price: 21CHF)

<http://www.who.int/healthacademy/en/>

## WHO eLearning resources for health workforce training

**Description:** A compendium of eLearning resources available online or on CD-ROM (by order). This list also includes blended learning degree programs available through partner institutions.

**Access:** Free

<http://www.who.int/healthacademy/media/eLearning/en/>

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## Training from Professional Organizations

### ADVANCE for Nurses



**Description:** Continuing nursing education courses, webinars. New material added every week

**Access:** Low-cost and free, registration required

<http://nursing.advancweb.com/CE/TestCenter/Main.aspx>

## BioMed Central Author Academy



**Description:** Online learning resource for authors on writing and publishing in scientific journals. As well as advice on how to structure and write a good research article, the author academy includes help on choosing a target journal and publication ethics. The academy is aimed at authors who are less experienced in writing for English-language international journals, to help increase the chance of successful publication.

**Access:** Free

<http://www.biomedcentral.com/authors/authoracademy>

## CE Medicus



**Description:** The mission of CE Medicus is to provide healthcare professionals with convenient online access to continuing education programming in a personalized setting. CE Medicus provides over 9,000 hours of free CME from multiple sources. CE Medicus provides a secure, personal account through which healthcare professionals can access and complete activities for professional development. This system allows users to search for relevant content, maintain a personal curriculum, store continuing education credits from both online as well as offline activities, track and print a professional transcript and more.

**Access:** Registration is required.

<http://www.cemedicus.com>

## Center for Advance Palliative Care



**Description:** The Center to Advance Palliative Care (CAPC) is a national organization (USA) dedicated to increasing the availability of quality palliative care services for people facing serious illness. Both specialists and non-specialist clinicians can access CAPC tools, training and technical assistance through online courses, or through a variety of webinars, virtual office hours and topic-specific forums that allow you to network with other palliative care professionals. CAPC provides palliative care-related videos and podcasts for the education of both professionals and the public.

**Access:** Selected resources are open to all

<https://www.capc.org/>

## CORE (Curricula Organizer for Reproductive Health Education)





**Description:** CORE is a collaborative effort of many organizations working to improve the quality and quantity of reproductive health information included in health professions education. CORE is managed by the Association of Reproductive Health Professionals (ARHP). The Curricula Organizer for Reproductive Health Education (CORE) is a collection of peer-reviewed, evidence-based teaching materials. CORE can help you develop comprehensive educational presentations and complete curricula on a variety of reproductive health issues.

You can use CORE to: Access up-to-date materials on reproductive health topics; Build your own curricula and other educational presentations; Download activities, case studies, and handouts for learners; Enhance your knowledge about current issues in reproductive health care

**Access:** Free. To use training material and to submit your content you have to create an account

<http://core.arhp.org/>

## GeneEd



**Description:** Developed in collaboration with the National Human Genome Institute (NHGRI), teachers and experts in genetics and genetic counseling, GeneEd is a useful resource for students and teachers. Lesson plans, genetic educational materials, printable activity sheets, and other teaching resources for educators seeking to increase genetic and genomic literacy. GeneEd allows students and teachers to explore topics such as Cell Biology, DNA, Genes, Chromosomes, Heredity/Inheritance Patterns, Epigenetics/Inheritance and the Environment, Genetic Conditions, Evolution, Biostatistics, Biotechnology, DNA Forensics, and Top Issues in Genetics

**Access:** Free

<http://geneed.nlm.nih.gov>

## Harvard Medical School Continuing Education Online



**Description:** Multimedia enriched, comprehensive, and interactive courses in the following areas: Aging/Geriatrics, Behavioral Health, Cardiovascular Medicine, Emergency Medicine, Gastroenterology, Genetics, Lifestyle Medicine, Medicine, Neurology, Oncology, Ophthalmology, Pediatrics, Psychiatry, Radiology, Rheumatology, Risk Management

Harvard Medical School Department of Continuing Education offers a variety of distance learning formats for CME activities. CME Online is comprised of case-based, interactive activities that you can access on demand. Other distance learning programs include webcasts, DVDs, and innovative, virtual events.

**Access:** Participants living in most African countries receive courses free of charge.

<http://cmeonline.med.harvard.edu/>

<http://cmeonline.med.harvard.edu/intnpricing.asp>



## Health IT Workforce Curriculum Components



**Description:** From the Office of the National Coordinator for Health Information Technology (US). The purpose of the Curriculum Development Centers Program, one component of the ONC Workforce Program, is to provide funding to institutions of higher education to support health information technology curriculum development. The materials developed under this program have been used by the member colleges of the regional Community College Consortia as well as made available to institutions of higher education across the country. This set of teaching materials is now in use by thousands of instructors and students around the world. 9 gigabytes of information across more than 200 units, these teaching materials offer a robust set of tools for health IT instructors

**Access:** To view or download materials simply sign in with name and email address

<http://knowledge.amia.org/onc-ntdc>

<http://www.healthit.gov/providers-professionals/health-it-curriculum-resources-educators>

## London School of Hygiene & Tropical Medicine



**Description:** 5 free online courses. For example, the Masters-level **Programming for Nutrition Outcomes distance-learning module**, explores the complicated problem of undernutrition, highlights its causes and identifies potential programmatic solutions. The module contains 17 sessions covering such topics as maternal and child nutrition, nutrition and infection, agriculture, climate change, and social protection for nutritional outcomes.

**Access:** Free

<http://www.lshtm.ac.uk/study/freeonlinecourses/index.html>

## Life in the Fast Lane

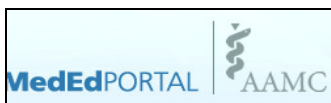


**Description:** Open access medical education resources in critical care and emergency medicine

**Access:** Free

<http://lifeinthefastlane.com/>

## MedEdPORTAL



**Description:** MedEdPORTAL is an archive of peer-reviewed educational materials and teaching tools. Supported by the Association of American Medical Colleges (AAMC) in partnership with the American Dental Education Association (ADEA). In the directory you can find evidence-based online activities for continuing education credit in different medical specialties.

**Access:** Free (registration required)

<https://www.mededportal.org/>

## Medscape



**Description:** Medscape is a web resource for physicians and health professionals. Medscape is built around practice-oriented content. It features peer-reviewed original medical journal articles, CME (Continuing Medical Education), daily medical news, major conference coverage, and drug information. Each of 35 Specialty Sites pools, filters, and delivers pertinent, continually updated content from more than 125 medical journals and textbooks, and expert-authored state-of-the-art surveys in disease management, next-day summaries from major medical meetings, and more. Medscape Education is offering thousands of free CME/CE courses and not-for-credit activities for physicians, nurses, and other healthcare professionals. Accessible via the desktop and mobile platforms, Medscape Education is always available to inform and educate clinicians, through a variety of formats that include Clinical News Briefs, Patient Simulations, Clinical Cases, Expert Commentary Videos, Conference Coverage.

**Access:** free, but requires a one-time membership registration.

<http://www.medscape.org/>

## MyCME



**Description:** Online hub for digital CME and CE courses developed by Haymarket Medical Education. Free online CME/CE/CEU and CPD courses for physicians, general practitioners, physician assistants, nurse practitioners, pharmacists, and other healthcare professionals. It offers certified CME/CE programs through ACCME-accredited providers, makes it easy for users to find courses pertinent to their specific clinical interests, with search capabilities organized by Disease, Specialty, and Profession. Provides instant grading of tests and issuance of certificates for CME/CE credit

**Access:** Registration required. myCME application is now also free to all healthcare professionals on Apple and Android mobile phones and tablet computers.

<http://www.mycme.com/>

## PedsUniversity



**Description:** PEDSUniversity.org evolved from the Nemours website PedsEducation.org. PedsEducation.org has been providing free online education to the medical community since 2000 and is a service of Nemours. Nemours is one of the nation's leading pediatric health systems, dedicated to advancing higher standards in children's health.

**Access:** Free (registration required)

<http://www.pedsuniversity.org/Home.aspx>

**PRIME Education**

**Description:** PRIME's mission is to enhance the physician's and the interprofessional health team's knowledge, competence and performance in caring for patients; and to provide quality, continuing professional development across a health care professional's lifetime commitment of service, from residency training through practice, it offers online courses and quality improvement video toolkits for CE/CME to various health care professionals.

**Access:** free and low cost

*<http://primeinc.org/>*

## Portal of Geriatrics Online Education (POGOe)



**Description:** A repository of geriatric educational materials in various e-learning formats, including lectures, exercises, virtual patients, case-based discussions, simulations, as well as links to other resources. POGOe's mission is to promote geriatric education through the provision and encouragement of free exchange of teaching and assessment materials that support the fields of geriatrics and gerontology. Funded by the Donald W. Reynolds Foundation, POGOe is managed by Mount Sinai School of Medicine, Department of Geriatrics and Palliative Medicine, on behalf of the Association of Directors of Geriatric Academic Programs.

web-GEMs is a series of interactive case modules based on the AAMC Geriatrics Competencies. Individual cases can be integrated into third year clerkships with emphasis on “core topics” in, e.g., neurology, psychiatry, internal medicine, emergency medicine, surgery, OB/GYN, or the curriculum can be used as a whole within a geriatrics, internal medicine, or family medicine clerkship. The purpose of the web-GEMs cases is to develop learners’ understanding of geriatric medicine, and to integrate that understanding as they expand their skills within other specialties. Faculty can assign to students and receive reports on their progress.

The purpose of ReCAP (Repository of Electronic Critically Appraised Papers) is to provide a forum for geriatrics fellows and faculty where they can discuss the practice of evidence-based medicine in a systematic way, and hone their skills of clinical decision-making by critically examining evidence presented in recent clinical research papers.

**Access:** Free

*<http://www.pogoe.org>*

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## Training on Evidence-based Practice

### Basic course on Evidence Based Medicine (EBM)

**Description:** From WHO Health Academy. This course that will enable you to identify and use evidence-based practices for sexual and reproductive health care in under-resourced settings. You will become familiar with the basics of EBM. The course will help you to take the evidence from systematic reviews into practice, improve and gain knowledge and attitudes on EBM and hence improve practice.

**Access:** Free. Registration required

<https://extranet.who.int/learn/login/index.php>

### Evidence-Based Practice for the Health Professions: A Free Online Course



**Description:** This course consists of 9 Web-based chapters covering key topics in evidence-based healthcare practice, accompanied by 10 video lectures. The primary audience for the course is healthcare professionals such as physicians, nurses, administrators, pharmacists, physician assistants, and public health professionals. The content was developed by Mark H. Ebell MD, MS of the University of Georgia, Co-Director of the Institute for Evidence-Based Health Professions Education.

**Access:** Free

<http://ebp.uga.edu/courses/>

### EU- EBM Courses

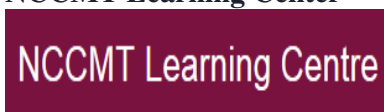


**Description:** The EU EBM Unity project (funded by Leonardo da Vinci national agency) aimed to develop a European Qualification in Evidence Based Medicine (EBM). In the EBM-Basic curriculum you get to know the 5 basic steps of Evidence Based Medicine. The EBM Train-the-trainer curriculum provides ideas, examples and tools to improve EBM teaching integrated in 6 different clinical settings.

**Access:** Free

<http://ebm-unity.pc.unicatt.it/>

### NCCMT Learning Center

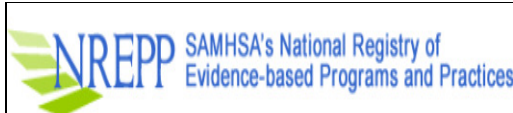


**Description:** The National Collaborating Centre for Methods and Tools (NCCMT) is one of six National Collaborating Centres for Public Health in Canada. The NCCMT provides leadership and expertise in evidence-informed decision making to Canadian public health organizations. NCCMT's online learning opportunities are designed to support our seven-step process of Evidence-Informed Public Health. Click on a module title to watch a short introductory video or log in to get started.

**Access:** Free. Registration required. You can work on the modules either individually or as part of a group. Each participant in a group must have an individual NCCMT account

<http://www.nccmt.ca/learningcentre/index.php#main3.html>

## NREPP's Learning Center



**Description:** The National Registry of Evidence-based Programs and Practices (NREPP) is a searchable online database of mental health and substance abuse interventions. All interventions in the registry have met NREPP's minimum requirements for review and have been independently assessed and rated for Quality of Research and Readiness for Dissemination. The purpose of NREPP is to help the public learn more about available evidence-based programs and practices and determine which of these may best meet their needs. NREPP is one way that SAMHSA is working to improve access to information on evaluated interventions and reduce the lag time between the creation of scientific knowledge and its practical application in the field. NREPP's Learning Center offers resources to support the selection and adoption, implementation, and evaluation of evidence-based programs and practices. These learning modules are short online courses providing guidance related to evidence-based programs and practices: A Road Map to Implementing Evidence-Based Programs; Preparing an Intervention for NREPP Submission and Potential Review; Non-Researcher's Guide to Evidence-Based Program Evaluation.

**Access:** Free

<http://www.nrepp.samhsa.gov/LearnLanding.aspx>

## Understanding Evidence-based Healthcare: A Foundation for Action



**Description:** This web course has been created by the United States Cochrane Center as part of a project undertaken by Consumers United for Evidence-based Healthcare (CUE), and is designed to help consumer advocates understand the fundamentals of evidence-based healthcare concepts and skills.

**Access:** Registration is open and free of charge. Participants are encouraged to finish the course in three months. Participants must commit to filling out evaluation forms upon completion of each module

<http://us.cochrane.org/understanding-evidence-based-healthcare-foundation-action>

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## MASSIVE OPEN ONLINE COURSES

### Class Central



**Description:** Three online learning initiatives are offering university-level education for free. Class Central unifies available courses from these different platforms in to a single page overview: Coursera founded by Stanford Professors Daphne Koller and Andrew Ng; Udacity founded by three roboticists, including Sebastian Thrun, a research professor of computer science at Stanford University; MITx created by MIT and led by MIT Professor Anant Agrawal. Currently the courses are focused in the field of Computer Science, Civil Engineering, Complex Systems, Electrical Engineering, Entrepreneurship, Health and Medicine. University credits cannot be earned but each initiative provides a statement of accomplishment or a certificate.

**Access:** Free

<http://www.class-central.com/>

### Coursera



**Description:** Coursera is an education platform that partners with top universities and organizations worldwide, to offer courses online, and offers courses in physics, engineering, humanities, medicine, biology, social sciences, mathematics, business, computer science, and other subjects. Coursera has an official mobile app for iPhone and Android.

All courses offered by Coursera are "accessible for free and some give the option to pay a fee to join the "Signature Track." Students on the Signature Track receive verified certificates, appropriate for employment purposes. These students authenticate their course submissions by sending webcam photos and having their typing pattern analyzed. Coursera offers now courses from 110 institutions.

**Access:** Free (sometimes there is a need to purchase recommended textbooks)

<https://www.coursera.org/>

### FutureLearn



**Description:** A collection of free, open, high quality online courses from leading universities powered by The Open University (OU) in partnership with the U.K. government. Health and Psychology, Business and Management, Technology and other topics. Courses are accessible on mobile, tablet and desktop.

**Access:** Free

<https://www.futurelearn.com/>

## EdX



**Description:** EdX offers interactive online classes and MOOCs from the world's best universities. Online courses from MITx, HarvardX, BerkeleyX, UTx and many other universities. Topics include biology, business, chemistry, computer science, economics, finance, electronics, engineering, food and nutrition, history, humanities, law, literature, math, medicine, music, philosophy, physics, science, statistics and more. EdX is a non-profit online initiative created by founding partners Harvard and MIT.

**Access:** Free

<https://www.edx.org/>

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## Finding Online Training Resources

### Online Tutorial Resources

A collection of links to free on-line tutorials, learning objects, open courses and self-paced learning modules on a variety of skills and topics on the Internet. (Last updated in August 2010)

<http://www.khake.com/page67.html>

### WHO Genomic Resource Center Continuing education for health professionals

In this resource section, you can find directories with various educational resources, self-training modules, information about advanced degree courses, research and fellowship opportunities, and links to various conferences and meetings around the world.

<http://www.who.int/genomics/professionals/education/en/>

### E-learning Resources for Global Health Researchers



A collection of annotated links prepared by Fogarty international Center. Many organizations offer no- and low-cost e-learning resources to those working in the field of global health research. Resources include training courses, MOOCs and course materials (presentations, videos, reading lists, visual aids, articles), resource centers and resource networks.

<http://www.fic.nih.gov/Global/Pages/training-resources.aspx>



## Training Resources Bulletin



Bimonthly bulletin produced by the American International Health Alliance since 2012. It is intended to assist institutions and individuals who are seeking free online training options in the field of medicine, public health, social work, and related topics.

<http://www.healthconnect-intl.org/resources.html>

## Pinterest Board Online Education Resources



Links to free and open education resources for health care professionals. Regularly updated.

<https://www.pinterest.com/ibraghimova/online-education-resources/>