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eLearning in Maternal and Child Health: The example of IMPACtt

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Overview

- Rationale and history
- Introduction to IMPACtt
- Virtual tour



Field-testing IMPACtt, TTCIH, Ifakara, Tanzania, February 2012

World Health Organization

ICATT: Background and rationale

- 10 million children under five die every year, mostly due to preventable and treatable diseases
- IMCI (Integrated Management of Childhood Illness) was developed by WHO and UNICEF in the 1990s
 - Aim: Rapidly and effectively reduce child mortality (MDG 4)
 - Means: Improving diagnosis and treatment in primary healthcare facilities by focusing on the child as a whole
 - To date, over 100 countries have adopted IMCI



Health worker diagnoses child through algorithm in IMCI chart booklet

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ICATT: not just a training tool

- IMCI implementation faces two major challenges:
 - Ensuring adoption of generic guidelines and periodical updates to meet the health needs within a country, and
 - Scaling up training of a very large number of health workers.
- → ICATT (IMCI <u>Computerized Adaptation and Training Tool</u>) developed by the World Health Organization, supported by the Novartis Foundation
 - ICATT facilitates IMCI adaptation:
 - Easy adaptation of guidelines and chart booklet
 - Cost-effective
 - Variety of different training sets can be created (i.e. pre-service and inservice trainings of different cadres)
 - ICATT facilitates IMCI training:
 - ICATT reduces training costs and time
 - Interactive training (audiovisuals) enhances training outcome
 - ICATT enables distance learning

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Global dissemination of ICATT

Pilots in Tanzania, Peru, Indonesia

12 countries completed IMCI adaptation through ICATT

- Tanzania, Mozambique, South Africa, Peru, Cambodia, Fiji, Indonesia, Malaysia, Philippines, Solomon Islands, Vietnam, Kiribati
- 7 countries implemented ICATT in training
 - Tanzania, South Africa, Peru, Indonesia, Fiji, Philippines, Solomon Islands
- ICATT now also runs on browser-based environment:
 - Countries can easily deploy ICATT training players on intranets/local internets
 - Global access is through <u>http://online.icatt-training.org/</u>





Rationale for IMPACtt

- Every day, up to 1,500 women and 10,000 newborn babies die due to complications in pregnancy and childbirth
- Decision in 2011 by WHO and Novartis Foundation to develop an eLearning tool in Maternal and Child Health → MDG 5
 - Based on ICATT software
 - Collaboration between:
 - World Health Organization
 - Swiss Tropical and Public Health Institute
 - Novartis Foundation for Sustainable Development

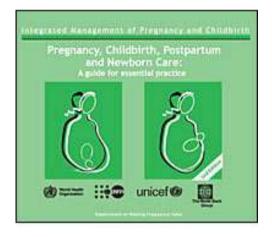


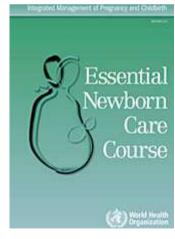
World Health organization



IMPAC*tt* - Integrated Management of Pregnancy and Childbirth training tool

- eLearning tool comprising 4 courses:
 - Antenatal Care
 - Labour & Childbirth Care
 - Essential Newborn Care
 - Postnatal Care
- Developed from WHO classroom-based course material
- Based on WHO's IMPAC package of guidelines and tools





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IMPACtt – where do we stand?

- Essential Newborn Care: tested in the field
- Antenatal Care:

currently being translated into IMPACtt

- Labour & Childbirth Care: development of material
- Postnatal Care:

development of material







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Selected experiences from the field-testing

- Computer literacy
- Language skills
- Clinical setting
- IMPACtt's future use



Field-testing IMPACtt, TTCIH, Ifakara, Tanzania, February 2012



Virtual tour through IMPACtt - ENC

- Navigation
- Modules and Sessions
- Example Session: Kangaroo Mother Care





Thank you!

For more information:

www.icatt-training.org

Swiss Tropical and Public Health Institute www.swisstph.ch

Novartis Foundation for Sustainable Development <u>www.novartisfoundation.org</u>

WHO Department of Maternal, Newborn, Child and Adolescent Health www.who.int/maternal_child_adolescent/en



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