



eLearning in Maternal and Child Health: The example of IMPACtt

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World Health Organization

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Novartis Foundation
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Overview

- Rationale and history
- Introduction to IMPACTt
- Virtual tour



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



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



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 Computerized Adaptation and Training Tool)** 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 in-service trainings of different cadres)
 - ICATT facilitates IMCI **training**:
 - ICATT reduces training costs and time
 - Interactive training (audiovisuals) enhances training outcome
 - ICATT enables distance learning



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 <http://online.icatt-training.org/>





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





IMPACtt - 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





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





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

www.novartisfoundation.org

WHO Department of Maternal, Newborn, Child and Adolescent Health

www.who.int/maternal_child_adolescent/en



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