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# Building Provider Competencies in IMCI through CBT

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Health Care Improvement Project  
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# Background

- **WHO/UNICEF Integrated Management of Childhood Illness (IMCI) aims to reduce mortality and morbidity associated with common childhood diseases and malnutrition**
- **Standard IMCI training course requires 11 days of lectures and clinical practice – This is costly and takes providers away from their stations**
- **The Quality Assurance Project (QAP) developed a computer-based training (CBT) version of the IMCI course on CD-ROM that is an alternative to the classroom lecture portion of the standard WHO/UNICEF IMCI training course**
- **Cost of training using the IMCI CBT is projected to be 12% less than the total cost of training in the standard 11-day course.**



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# Goal of the Presentation

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- **Demonstrate how this computer-based IMCI course can be used to accelerate transfer of knowledge and building of skills of various professionals involved in training or implementation of IMCI**



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## Learning Objectives - You will:

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- **Observe the navigation and use of the CD-ROM for IMCI training**
- **Be familiar with the content of the IMCI CD-ROM**
- **Understand how the IMCI CD-ROM can be used in either a facilitated, formal training setting or in self-directed study**
- **Take away the CD-ROM and user's guide for your own use**



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# IMCI Course Program-Helps the trainee:

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- **Follow a holistic process of managing sick children according to the IMCI clinical guidelines**
- **Assess signs and symptoms of common serious illness**
- **Check nutritional and immunization status**
- **Ask appropriate questions to assess the feeding of children**
- **Classify the severity of child's illness**
- **Identify treatments based on classification of severity**
- **Decide whether a child needs to be referred**
- **List the steps for teaching a mother/caretaker how to give treatments at home**
- **Identify messages for counseling a mother/caretaker about feeding solids and fluids, what signs to look for that indicate a child should be brought back**



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# IMCI CBT Program: Structure and Features

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- **Tutorials**
- **Case Studies**
- **Final Test**
- **IMCI Charts**
- **Library**
- **Glossary**
- **Score Test**



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# Careful planning for CBT course delivery is essential

- **Reproduction of materials, such as adaptations**
- **Securing the computers or computer laboratory**
- **Ensuring that sufficient numbers of CD-ROMs are available for use by individuals**
- **Sending invitations to trainees**
- **Ensuring trainees' own work is covered while they take the course**
- **Determining the cost of the course and securing funding**



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# Typical day-by-day program for the CBT course

DAY	MORNING	AFTERNOON
Day 1 (Sunday)		Opening, Introduction Tutorial: "Assess and Classify"
Day 2 (Monday)	Clinical practicum with supervision	Tutorial: "Assess and Classify" Tutorial: "Treat and Follow-up" Group discussion to review main learning points
Day 3 (Tuesday)	Clinical practicum with supervision	Tutorial: "Treat and Follow-up" Group discussion to review main learning points
Day 4 (Wednesday)	Clinical practicum with supervision	Tutorial: "Treat and Follow-up" Tutorial: "Counsel" Group discussion to review main learning points
Day 5 (Thursday)	Clinical practicum with supervision	Tutorial: "Counsel" Tutorial: "Young Infant" Group discussion to review main learning points
Day 6 (Friday)	Clinical practicum with supervision	Tutorial: "Young Infant" Case studies Group discussion to review main learning points and implementation considerations and expectations
Day 7 (Saturday)	Clinical practicum with supervision	Case studies Review of the material (individually) Final test Closing

(Morning and afternoon sessions can be interchanged depending on the hospital schedule)



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# Lessons learned on how to provide IMCI training with this IMCI CD-ROM

- **IMCI program managers and facilitators should jointly plan the training**
- **Decide on the objectives of the course, whether in-service or pre-service; the number of trainees; and the necessary logistics**
- **The final test on the CD-ROM can be printed on paper if pre- and post-test measures are needed**
- **Useful to open the “computer lab” in the evenings for additional review and reading**
- **Computers need at minimum a Pentium-class processor 550 Mhz; Microsoft Windows 98 or later; Windows Media Player 7; and a sound card and speaker**
- **It is helpful to have an IT person available throughout the course**
- **Country-specific adaptations compared to the generic WHO IMCI protocol presented in this CD-ROM need to be thoroughly discussed**



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# How to navigate through the CD-ROM course

- The CD-ROM is designed to start automatically when inserted in the computer.
- If it does not start automatically, open “My Computer” and select the CD drive;
- Then click on the red icon with a white arrow that says “IMCI” underneath to start the CD-ROM
- The interactive icons will guide you through the tutorials quizzes and resources
- Enjoy!!



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**For more information on the IMCI CBT, contact Dr. Stephen Kinoti: [skinoti@urc-chs.com](mailto:skinoti@urc-chs.com)**



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