

## **EVALUATING A SELF-INSTRUCTIONAL CD-ROM - CASE STUDY**

### **Directions to Participants**

Read and study the case study individually. As a group, agree on the answers to the questions at the end. When all of the groups have finished their discussion, the case study and answers from all of the groups will be reviewed in a group discussion.

### **Background**

Reproductive Health International (RHI) is a non-profit company specializing in improving the health of women and their families in developing countries through learning interventions. Under a cooperative agreement with the U.S. Agency for International Development, RHI is focusing on improving maternal and neonatal health in Indonesia.

There is a need in Indonesia to train midwifery and medical faculty at preservice education institutions in essential maternal and neonatal care (EMNC). While there are 65 midwifery institutions with 5-10 faculty at each institution, RHI is currently working with only about 15 of these schools, though any learning approach developed should be able to eventually be used with all 65 schools. They must also consider the number and location of medical institutions.

Because it is difficult to take faculty away from their institutions for an EMNC course, RHI has decided to develop a self-study, multimedia CD-ROM. In this individualized approach, faculty can learn EMNC on their own and then apply these skills in their classroom and clinical teaching while being observed and coached by someone with advanced skills in EMNC.

To date, the EMNC CD-ROM project team has performed a computer assessment of the institutions and developed a system specification for the product. They now need to develop an evaluation plan.

### **Product Description**

This self-instructional CD-ROM will be based on the EMNC reference manual. It will consist of a sequence of learning activities organized into modules, which the users can explore at their own pace. The lessons within the modules consist of text with opportunities for interaction through video and audio clips, animation, games, and self-checking quizzes. Periodically, the users will be prompted to complete a quiz to check their understanding of the material. All text and audio will be in Bahasa Indonesia.

### **Intended Audience**

The intended audience for the CD-ROM is midwifery and medical faculty in preservice education institutions in Indonesia.

### **Distribution Mechanism**

RHI has identified a computer department or responsible staff member at each institution to receive the CD-ROM and install it for use by faculty. In some cases, computers at the institutions are not adequate and so RHI has formed a relationship with regional technology-assisted learning centers to make the CD-ROM available for use by faculty.

### **Available Data**

Available data for beginning the evaluation consists of results of surveys of 65 midwifery schools on computer capabilities.

### **Discussion Questions**

1. Why do you want to evaluate use of the EMNC self-instructional CD-ROM? What are the specific objectives of this evaluation?
2. How will you use the information you have collected about use of the CD-ROM?
3. What methodologies will you use to collect evaluation information?
4. What are the challenges in evaluating use of the CD-ROM ?
5. Particularly, what strategies will you use to measure the impact of the CD-ROM at the results level?