



Faculty Guide: How to Use Educational Materials for Medicine for a Changing Planet

The Medicine for a Changing Planet training materials consist of two basic categories:

1. Online web version of cases
2. Powerpoint slides sets

1. Web version:

The online version of the case studies is designed to be used in a self guided and self paced way, with the learner working through the case independently (or with other online learners), much as they would evaluate an actual patient. The expectation is that the learners have already learned basic biomedical content and have also received basic instruction in the clinical evaluation of patients including history taking, physical exam, diagnostic testing, and the creation of a differential diagnosis.

Because the online case studies also provide a thorough discussion of the case and its resolution, they provide a useful resource for an instructor who is preparing to make use of one of the slide sets with a group of learners.

Each online case is divided into the following sections:

1. Case title
2. Case introduction
 - This is a brief snapshot of the case and the chief complaint
3. Learning objectives
 - These are content related learning points that the cases are designed to reinforce.
4. Clinical competencies
 - These are measurable competencies related to clinical skills of patient care that are demonstrated in the case study
5. Approach
 - This is a summary for clinicians about how to approach the relevant issues in the case.
6. History
 - Because the case studies emphasize gathering critical information about what is happening in the patient's environment, the case studies introduce the concept of the "Social E": basically a social history that includes key information about the patient's environment relevant to the chief complaint.
7. Physical
 - Findings from the physical exam are presented in typical PE format, with some discussion of key findings



8. Diagnostics
 - This section considers useful diagnostic tests
9. Differential diagnosis/Final diagnosis
 - This section leads the learners through consideration of a differential diagnosis, and the most likely final diagnosis
10. Management
 - Key aspects of management in the acute setting
11. Prevention
 - The approach to prevention involves a “Host-Environment” approach that involves measures to
 - i. improve host resilience, such as optimizing medical status and increasing patient awareness of preventive measures;
 - ii. reduce exposures, through efforts that could include elimination or substitution of a hazard, practices to reduce exposure, and the use of personal protective equipment.
12. Beyond the clinic
 - This section provides in-depth background information for clinicians about the hazard, and the larger planetary health issues
13. Case follow-up
 - Additional information about the resolution of the clinical case.
14. Call to Action
 - This section contains steps that clinicians can take at the level of the clinic, the community, and society to address the issue being discussed.
15. Summary and key points
16. Resources and references

2. **Slide sets**

The slide sets are designed to be used in a morning report or noon conference or other teaching case conference setting, with learners who are in their clinical phase of training (either initial training or continuing medical education).

To prepare to present a slide set in a teaching conference, the instructor can review the online case which contains extensive background information about the teaching aspects of the case.

The slide sets follow the same format as the online cases, but with generally less text to allow for the case to be completed within a 50 minute- 1 hour time frame.

At several points in the slide sets, there are slides labeled as “discussion”- these provide a place for a short interactive discussion involving the learners.