

# Estimating the disease burden and economic impact of seasonal influenza

## Pilot of an online training tool for communities of practice

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### Background

- Context:** estimates disease burden and economic impact of seasonal influenza
  - Better understanding the impact of influenza in vulnerable populations
  - Guide for evidence based policy
- World Health Organization (WHO) published two manuals
  - Estimating **disease** and **economic** burden associated with influenza
- Training** of influenza surveillance officers to appropriately use these manuals  
*"Just putting the manual online is not enough"*
- Consortium "Transmissible Influenza Training" (TRANSIT)** developed:
  - Online training to help implementation of manuals
  - Purpose of E-course → to help implementation of the 2 manuals

### Quiz: Population Denominator

This quiz is a selftest. You can repeat it as often as you like.

**Question 1** 1.0 Pts

What happens to the calculated SARI incidence when you do not exclude SARI cases from outside the defined catchment area? The calculated SARI incidence will likely be:

Underestimated  
 Overestimated  
 Correct

### Quiz Details

This quiz has 4 questions.  
**max 4.0 points**

1 2 3 4

No time limit for this quiz, enjoy!

Last saved:  
 You have not taken this quiz yet.

**Question 2** 1.0 Pts

It may be challenging to determine the population denominator for an ILI sentinel site because of the large number of care providers in the community. Why is a large number of care providers a challenge?

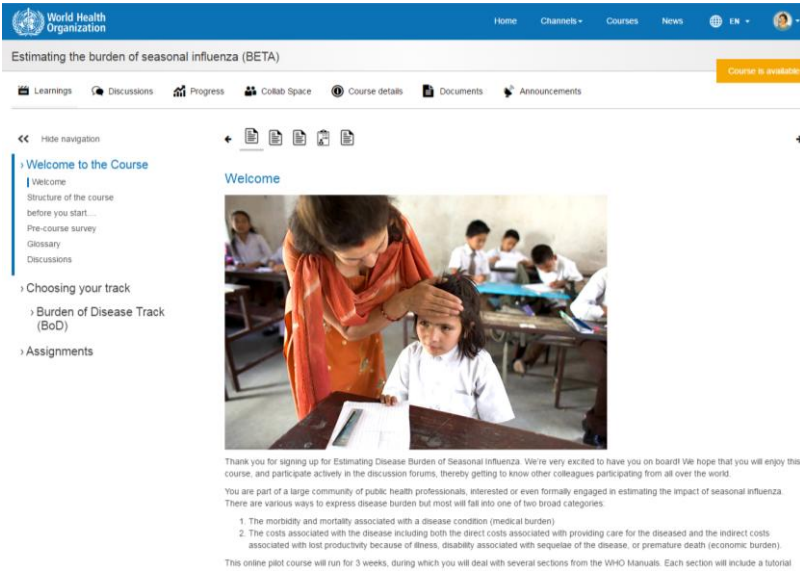
### Development of the Online Training

- Influenza Training Consortium TRANSIT™ [WHO Offer E0101-2017]
- We designed, developed and implemented an online training tool
- Aim: build international **community of practice**
- Curriculum: 10 epidemiological + 10 economical tutorials → WHO manuals
- Total duration: ~10 hours
- Certificate of completion
- [www.OpenWHO.org](http://www.OpenWHO.org) platform
  - Tutorials: video lectures with interactive elements
  - Pre- and post-test elements
  - Participant discussion forums
  - Online collaborative training assignments

**Pilot training:** September / October 2017

- Purpose pilot: to test the feasibility, user friendliness, and logic of course

**This training goes live on 1 January 2018!**



### Estimating the burden of seasonal influenza (BETA)

- Learnings
- Discussions
- Progress
- Collab Space
- Course details
- Documents
- Announcements

### Evaluation of the pilot

Evaluation of the Beta course:

- Evaluation **survey** by pilot participants
- Evaluation of pilot **participant performance**
- Individual **evaluation reports** from pilot participants

#### 1. Survey

- Response: 6/42 (14%)
- Very positive on lectures and quizzes
- Time allocation too short

#### 2. Participation performance

- 4-26 Oct 2017: 42 persons started; incl. 18 students Hamburg
- Participants from 20 countries (Europe, Asia, Africa, Middle East)
- 50% stopped at 1/3; only 4 continued until the end
- Course performs ± the same as other courses:
  - ~30% no shows (slightly higher than other courses)
  - 4/48 (12%) completed at least 80% of the content

#### 3. Evaluation reports

- Detailed written feedback by 19 people
- Positive feedback on concept, lay-out, set-up of course
- Helpful suggestions (lay-out), references
- Quiz: varying response (*challenging & nice, motivating, too hard*)

### Discussion

- This E-course followed the manual sufficiently, and was clear and useful (pilot)
- Added value: link between video lectures, quizzes, assignments, and discussion forums  
 → *Question: will this help implement the manuals?*
- Despite the intention, this course did not stimulate a 'community of practice'  
 → *Question: why not?*
- Difficult to commit people participating in full course

#### Recommendations

- Online training – appreciated as helpful addition to these manuals
- When developing an online training: incorporate a pilot + improvement round
- Online learning platforms: ↑ amount of training opportunities for public health

#### Choosing your track

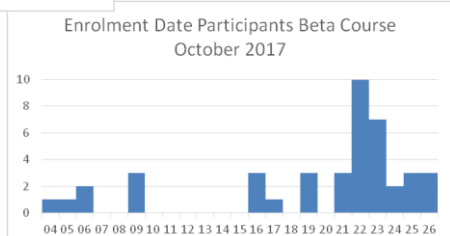
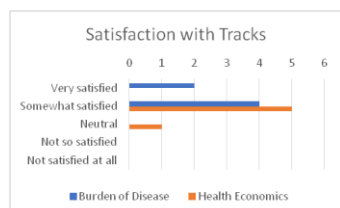
Please select the topic you want to work on

#### Burden of Disease Track (BoD)

The Burden of Disease Track guides you through the WHO Manual for 'Estimating Disease Burden Associated With Seasonal Influenza'. The track has 10 lectures

#### Health Economics Track

The health Economics Track guides you through the WHO Manual for 'Estimating Economic Burden of Seasonal Influenza'. The track has 10 lectures.



### Quotes / feedback

#### COURSE SET UP

"Usage is self-explaining". "...intuitive, which is an important point to me"  
 "The length of the videos is mostly perfect" [most < 30 mins]

#### QUIZ

"It was sophisticated, not too easy, some really hard to answer"  
 "The opportunity to repeat the quiz, without a time limit is pleasant"  
 "the questions before starting the videos are quite hard to answer: not really motivating for the course"

#### OVERALL

"I like the course a lot! I think the content and the structure is very well prepared. The videos have good quality"  
 "The lecture is easy to follow and fun to watch"  
 "I like the vivid and descriptive graphs with some examples, which unfortunately decreased till the end"  
 "In conclusion, the online course is interesting, well explained and structured"