



## Strengthening the Occupational Health Expertise and Scientific Capacity of the Public Health Institution of Turkey (ESPrIT)

Training 2016



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*Dear participant to the ESPrIT training sessions A (Research) or B (Surveillance),*

In the basic training you have studied the general concepts of occupational and work-related diseases and reflected on possible approaches and solutions. In the coming training session, the focus is on the development of your capacities to construct elements of a research protocol or of a surveillance system for occupational and work-related diseases.

Before the next training session from 31 October to 4 November, we would like you to do three days of homework. This homework has the purpose of introducing you to the topic of your further training in developing a scientific research programme or a surveillance system of occupational or work-related diseases. The homework assignment is part of the training and obligatory. Without the homework you will not receive a certificate.

**1. If you have not done it before, please do the English language capacity test online:**

<https://tr.surveymonkey.com/r/SWY23PF>

**2. Do the OSH capacity test for the second time online:**

<https://nl.surveymonkey.com/r/8HFZFTL>

**3. The homework assignments for training A and B are described below. Please bring your homework to the training session on paper and on a USB stick. You do not have to send your homework in advance!**

*We are looking forward to meet you all in November!*



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*On behalf of PHIT: Talihanur AYDOĞMUŞ (project coordinator), Ahmet OZLU (head of OH-department), Mustafa Kemal BASARALI (vice-president).*

*On behalf of the trainers: Suhendan Adiguzel van Zoelen, Laurie Hermans and Anita Venema (TNO); Alp Ergör (Dokuz Eylül University); Lutgart Braeckman and Maurits De Ridder (University of Ghent); Frank van Dijk & Gert van der Laan (Free University Amsterdam)*

***Homework for participants of training A (Research)***

**A) Protocol Scientific research**

1. Choose an occupational health topic you are confronted with in your work. If appropriate, you may re-use the topic of your first homework assignment
2. Make a literature study on this topic and
3. On the basis of the literature you develop now a protocol for a research project (see scheme below)

*1) Title*

Includes the disease/occupation/sector and the research design

*2) Background/Introduction*

What is the state of the art in literature on the topic.

What are the gaps in knowledge?

Develop the research question(s) : the main objective is to fill the gap e.g. to determine the prevalence or incidence of disease X in occupation Y in Turkey.

*3) Methods*

- a. Design. Choose the most appropriate study design such as a cross-sectional study, a case report, secondary data analysis, or... (data from hospitals, community centers)



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- b. Population. Who are the eligibles, who will you invite to participate?
- c. Tools. There are questionnaires and instruments to assess cause/effect, health symptoms, exposure, personal protective equipment, biomonitoring,... Which questionnaire or what instrument do you propose?

If you have already some experience in scientific research you may, in addition, address the following 2 topics as well.

- 4) Quality control
- 5) Statistical analysis

**B) You may present yourself and this assignment by means of a short presentation. This presentation will be presented and discussed the first morning of the training session.**

Every participant gets one minute of fame to introduce her/himself (1 slide with photo) and 3 minutes (3 slides) for the assignment

- professional background, function within PHIT or elsewhere
- workplace: to show on the map of Turkey
- What is your hobby/ special interest?
- Expectations

**C) You are invited to write or present in English. If this is a problem you may use the Turkish language. Please consider the Glossary for Occupational Safety and Health for correct terminology.**

**D) Bring your homework to the training session on paper and on a USB stick.**



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Put your family name and the title of your presentation in the file title. For example: Venema Exposure to dust.docx. The file is in Word or PowerPoint. If you have any questions regarding this homework you may contact the trainers via [Suhendan.adiguzel@tno.nl](mailto:Suhendan.adiguzel@tno.nl).

***Homework for participants of training B (Surveillance)***

**A) Develop a protocol for a surveillance system**

1. Choose an occupational disease (or work-related disease) you are confronted with in your work, or according to your own interest, or a local suggestion for developing a surveillance system. If appropriate, you may re-use the topic of your first homework assignment
2. Gather information on this topic and describe what are the specific risks in your region and what are the related health effects
3. On the basis of the literature you propose and develop a protocol for a surveillance system (see scheme below)

*1) Title*

Includes the disease/occupation/sector

*2) Background/Introduction*

What is the context, which companies, ...?

What is known in local literature and from local sources, newspapers, interviews, expert consultations,...

What are the gaps in data? Is there lack of awareness? Resistance? Develop the main objective

*3) Methods*

Design surveillance system : early health effects, active vs passive surveillance, sentinel, bio(effect)markers....

Population



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Tools : OD assessment, occupational history taking, walk through survey, classification systems (NACE, ICD), definitions and criteria

4) Quality control

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