

Annex 10A. Competencies Development Monitoring Tool for EPIET fellows

Competency development of: {name} {EPIET, Cohort 20xx}	0 months	12 months	Exit Interview
1. Areas specific for the profession			
1.1. Public Health			
1.1.1.: Public health science			
Have you used current knowledge of epidemiology of infectious diseases to guide public health or epidemiological practice?	#DIV/0 !	#DIV/0 !	#DIV/0 !
Have you provided epidemiological input to develop measurable, relevant objectives of public health programmes?			
Have you used knowledge of specific sociological and cultural factors in the population to conduct studies and recommend public health actions relevant for the affected community?			
Have you evaluated the impact of an intervention on population health?			
Can you identify, review and assess relevant literature and other evidence?			
1.1.2.: Public health policy			
Have you used epidemiological information to plan public health programmes?	#DIV/0 !	#DIV/0 !	#DIV/0 !
Have you measured health outcomes to guide decision making in prevention strategy?			
Have you identified appropriate public health interventions based on surveillance data?			
1.2. Applied Epidemiology			
1.2.1.: Risk Assessment			
Have you conducted risk assessments?	#DIV/0 !	#DIV/0 !	#DIV/0 !
Have you identified surveillance data needs to assess risks?			
1.2.2.: Routine Public health surveillance			
Have you run a surveillance system?	#DIV/0 !	#DIV/0 !	#DIV/0 !
Have you used surveillance information for decision making?			
Have you used time-series analysis to make interpretations and draw conclusions?			
Have you evaluated surveillance systems?			
Have you setup a new surveillance system?			
Have you used event-based surveillance?			
Have you used sources of information to detect public health threats?			
Do you know the law on communicable diseases reporting at regional, national and international level?			
1.2.3.: Outbreak investigation			
Have you formulated a case definition in an outbreak investigation setting?	#DIV/0 !	#DIV/0 !	#DIV/0 !
Have you described outbreaks in time, place and person?			
Have you generated hypotheses about the cause and/or risk factors during outbreaks?			
Have you conducted analytical epidemiological studies in outbreak investigations to identify the outbreak source?			
Have you recommended evidence-based measures to control an outbreak?			
Have you reported outbreak investigation results?			

1.2.4.: Epidemiological studies			
Have you written a study protocol in an epidemiological study, identifying the public health problem?	#DIV/0 !	#DIV/0 !	#DIV/0 !
Have you conducted epidemiological studies?			
Have you reported and presented results of a study?			
Have you recommended evidence-based interventions in response to findings of an epidemiological study?			
Have you prioritised and scheduled tasks in a project?			
1.2.5.: Infectious diseases			
Are you familiar with the concepts of R0, incubation period and transmissibility of a disease?	#DIV/0 !	#DIV/0 !	#DIV/0 !
1.2.6.: Laboratory issues for outbreak investigations and surveillance			
Can you interpret the diagnostic and epidemiological significance of reports from laboratory tests?	#DIV/0 !	#DIV/0 !	#DIV/0 !
Are you familiar with different methods for diagnosis and typing, including molecular tests?			
Can you communicate effectively with the laboratory team?			
1.2.7.: Public health recommendations			
Have you developed evidence-based recommendations for the surveillance, prevention and control of communicable diseases and other acute public health events?	#DIV/0 !	#DIV/0 !	#DIV/0 !
Have you identified target groups for recommendations?			
2. General areas, common to other professions			
2.1. Biostatistics			
2.1.1: Inferential statistics			
Have you calculated and interpreted point estimates and confidence intervals for measures of central tendency and dispersion?	#DIV/0 !	#DIV/0 !	#DIV/0 !
Have you calculated and interpreted point estimates and confidence intervals for measures of disease frequency?			
Have you calculated and interpreted point estimates and confidence intervals for measures of association and impact?			
Have you calculated and interpreted significance tests?			
Have you drawn conclusions from analysis results?			
2.1.2.: Sampling			
Have you selected an appropriate sampling strategy in a population?	#DIV/0 !	#DIV/0 !	#DIV/0 !
Have you selected a sample from a source population?			
2.2. Informatics			
2.2.1.: Statistical and other data analysis			
Have you used database software packages to enter and manage data (e.g. Epidata Entry)?	#DIV/0 !	#DIV/0 !	#DIV/0 !
Have you performed statistical analyses with statistical software (e.g. Stata, SAS, SPSS.PAWS) including multivariable analysis?			
2.3. Communication			
2.3.1.: Risk communication			
Have you applied basic principles of risk communication?	#DIV/0 !	#DIV/0 !	#DIV/0 !
Have you adjusted your message when presenting results of an investigation to different audiences?			
2.3.2.: Written communication			
Have you written epidemiological reports for decision makers?	#DIV/0 !	#DIV/0 !	#DIV/0 !
Have you written articles for peer-reviewed scientific journal?			

Have you written abstracts for peer-reviewed conferences?			
2.3.3.: Oral communication			
Have you analysed and synthesised the main points in an oral presentation?	#DIV/0 !	#DIV/0 !	#DIV/0 !
2.4. Management			
2.4.1.: Planning and use of resources			
Have you monitored the progress of a project against specific targets?	#DIV/0 !	#DIV/0 !	#DIV/0 !
Have you managed resources against specific targets, adjusted schedules and made changes if necessary?			
Have you managed the financial and operational planning aspects of epidemiological projects?			
Have you prepared activity reports?			
2.4.2.: Team building and negotiation			
Have you been an effective team member, adopting the role needed to contribute constructively in a group work setting?	#DIV/0 !	#DIV/0 !	#DIV/0 !
2.5. Capacity development			
2.5.1.: Training			
Have you trained other students or health professionals (e.g., colleagues, other PH professionals)?	#DIV/0 !	#DIV/0 !	#DIV/0 !
2.6. Ethics			
2.6.1.: Protection of individuals			
Have you followed ethics principles and guidelines to plan research and to collect and disseminate data?	#DIV/0 !	#DIV/0 !	#DIV/0 !
Have you applied relevant laws in all steps of your work (e.g., data collection, management, dissemination and use of information), reflecting it in relevant protocols in your work?			
2.6.2.: Confidentiality			
Have you respected and adhered to ethical principles regarding data protection and confidentiality regarding information obtained as part of your professional activity?	#DIV/0 !	#DIV/0 !	#DIV/0 !
2.6.3.: Conflicts of interests			
Can you identify and handle conflicts of interest?	#DIV/0 !	#DIV/0 !	#DIV/0 !