



ECDC PUBLIC HEALTH TRAINING

Catalogue 2018
ECDC Continuous Professional Development (CPD)
on cross-border communicable disease prevention and control

PART II - Detailed description of activities

Detailed description of Continuous Professional Development (CPD) activities

Exchange Visits

Senior Exchange Initiative 2018	
Scheduled for	Multiple exchange visits planned to take place during the year starting in April 2018
Target audience and prerequisites	<p>The Senior Exchange Initiative is open to experts and institutions from all EU and European Economic Area (EEA) Member States belonging to formal ECDC networks, such as disease programmes, core function networks, including EPIET/EUPHEM supervisors and all parts of the Coordinating Competent Bodies.</p> <p>Professional profiles of applicants may include: epidemiologist, microbiologist or any other public health expert fulfilling the national interest for capacity building.</p>
Objectives/Intended Learning Outcomes	<p>The objectives are to:</p> <ul style="list-style-type: none"> • familiarize PH experts with working methods of other EU countries, and share good practices • foster mutual learning, and encourage networking among colleagues within the EU • improve MS national, regional and local capacity and competence in communicable disease prevention and control
Description	<p>The senior exchange initiative is a multilateral exchange of senior PH experts from MS of EU/EEA countries. Individual experts have a chance to spend a period of one to two weeks in a selected host site with experiential learning.</p> <p>The initiative is organized around one or more specific topic/s.</p> <p>More details for hosting institutes and applicants can be found at:</p> <p>https://ecdc.europa.eu/en/training-programmes/continuous-professional-development/senior-exchange</p>
Selection	Selection of participants from Member States is done through official call for expression of interest to the National Focal Points for Public Health Training, who are then invited to propose candidates from their respective Member States.

FWDEEP programme for learning opportunities through a twinning format	
Scheduled for	Multiple ad hoc visits to take place during entire year
Target audience and prerequisites	The learning opportunities are advertised to the relevant ECDC networks under the auspice of FWD DP, namely FWD-Net, ELDSNet, and EuroCJD. Professional profiles of applicants may include epidemiologist, microbiologist, laboratory technician, bioinformatician, quality assurance expert or any other public health expert fulfilling the national interest for capability building.
Objectives/Intended Learning Outcomes	<p>The aim is to have a flexible and sustainable programme for public health experts to develop their skills and competences when the need for this arises in the country.</p> <p>The objectives are to:</p> <ul style="list-style-type: none"> • develop high quality analytical and technical capacity and capability in experts that serve national public health institutes and reference laboratories • foster networking by sharing knowledge and expertise between the host country and the beneficiary • improve the detection, investigation and response to emerging food and waterborne as well as zoonotic disease outbreaks
Description	<p>Individual experts will have a chance to spend a period of two to five days in a selected host site benefiting from an on-the-job training principle.</p> <p>The exchange is expected to cascade newly gained knowledge to his/her colleagues in his/her home country and/or have a significant impact on improving public health laboratory capability, surveillance, as well as detection and response to food-and waterborne as well as zoonotic disease outbreaks.</p>
Selection	<p>All technical experts working in a public health institute/organisation or a laboratory at the national, regional or local level in EU/EEA are eligible to apply. Relevant National Focal Point must support the application.</p> <p>The applicant selects the host site in advance by using a free match approach. The host institute of the exchange must be an EU/EEA Member State public health entity, for example, a public health institute or public health laboratory. Exchange visits must be between two EU/EEA countries.</p> <p>On the application form, the candidate presents a plan on how the acquired skills/knowledge will be cascaded further within his/her country, and how participating in this activity will add public health value in the EU/EEA.</p> <p>A site that has previously hosted an expert will have priority when sending their expert to visit another institute.</p>

Tuberculosis (TB) exchange visit on the assessment and implementation of TB infection control procedures and measures	
Scheduled for	April/May 2018
Target audience and prerequisites	<p>The scope of the exchange visit is to provide support to the five World Health Organization TB high priority countries in the EU (Bulgaria, Estonia, Latvia, Lithuania and Romania) for the prevention and control of Tuberculosis (with focus on Multidrug Resistant).</p> <p>The exchange visit will take place in an EU country that shows good performance and positive examples related to the subject.</p> <p>The participants are experts and health care workers with different backgrounds in working on TB prevention, treatment and care.</p> <p>Requirements:</p> <ul style="list-style-type: none"> • Interest in the subject of the exchange visit • Subject of the exchange visit should be relevant to the participant's current work • Ability to apply the gained knowledge and skills to his/her work place
Objectives/Intended Learning Outcomes	<p>The objectives are to:</p> <ul style="list-style-type: none"> • share real life examples • collectively discuss technical aspects of the selected topic
Description	<p>The three-day visit has an agenda that includes:</p> <ul style="list-style-type: none"> • Country presentations • Lectures • Group work • Field visits • Country action planning
Selection	<p>Planned for 20 experts and health care workers with different backgrounds (4 per country) working in TB prevention, treatment and care in the five World Health Organization TB high priority countries in the EU (Bulgaria, Estonia, Latvia, Lithuania and Romania). Candidates are proposed by the respective TB National Focal Points.</p>

Short courses

Control of multidrug-resistant organisms (MDROs) in healthcare settings	
Scheduled for	to be announced: Stockholm, Sweden
Target audience and prerequisites	<p>The target audience includes healthcare professionals with current or future responsibility for prevention and control of healthcare-associated infections working at a national or sub-national level.</p> <p>Mid-career professionals involved in programmes to prevent healthcare-associated infections at hospital level such as: Infection control practitioners, hospital physicians/specialist physicians; hospital epidemiologists, etc.</p>
Objectives/Intended Learning Outcomes	<p>The aim of this three-day course is to strengthen capacity in EU Member States for control of healthcare-associated infections due to multidrug-resistant organisms (MDROs) in acute health care settings and to promote the broadest possible implementation of appropriate methods. The goal is to achieve team building between colleagues with similar responsibilities in control of nosocomial spread of MDROs and to share training approaches, knowledge and best practices.</p> <p>The objectives are to:</p> <ul style="list-style-type: none"> • understand the most significant mechanisms of antibiotic resistance in healthcare-associated micro-organisms and their accurate detection by appropriate diagnostic and confirmation methods • explain the global epidemiology and mechanisms of transmission of MDROs in hospital settings • demonstrate the risk factors for development, acquisition and infection with MDROs including host, environment and therapeutic factors • assimilate the principles of antibiotic stewardship interventions designed to reduce the emergence and spread of MDROs in acute care settings
Description	<p>Three days using a blended learning format. Participative methods will be used.</p> <p>The self-learning component will be hosted at the ECDC Virtual Academy (EVA) and completed with face-to-face activities including lectures, peer learning, problem based solving and case studies.</p>
Selection	Participants and their alternates can be proposed via National Coordinators of Coordinating Competent Bodies, NFPs for Public Health Training, NFPs for Antimicrobial Resistance and NFPs for Healthcare-Associated Infections.

ECDC Summer School 2018	
Scheduled for	29 May -1 June 2018 Stockholm, Sweden
Target audience and prerequisites	<p>Professionals with public health background who have an interest in refreshing their knowledge in prevention, preparedness, surveillance and response to cross-border health threats, and intention to transfer knowledge and skills in their setting, nationally or sub-nationally.</p> <p>Supervisors of ECDC Fellowship Programme (EPIET and EUPHEM) Education and expertise in prevention and control of communicable diseases; experience in and/or willingness to conduct training. Intention to suggest and supervise projects with an EU dimension (related to ECDC work plan) to EPIET or EUPHEM fellows.</p>
Objectives/Intended Learning Outcomes	<p>The goal of the Summer School is to strengthen the technical skills of both ECDC experts and professionals within ECDC networks, in a recurrent setting of scientific exchange on methods for communicable disease prevention and control.</p> <p>The objectives are to:</p> <ul style="list-style-type: none"> • share and exchange experiences in the methodological aspects, while creating interdisciplinary collaborations • expand the EPIET and EUPHEM supervisors' ability in their daily tasks of coaching, mentoring and scientific review of fellows; • facilitating opportunities for Member State and ECDC experts to be more aware of and more deeply involved in fellowship projects
Description	<p>From day 1 to day 4, a track of induction for new EPIET and EUPHEM supervisors includes the following workshops: Supervising a fellow: roles, responsibilities and expectations (1 day)</p> <ul style="list-style-type: none"> - The Fellowship as a competency-based programme (1 day) - Scientific review (2 days) <p>In parallel, some additional technical workshops are planned, including:</p> <ul style="list-style-type: none"> - Anthropology for public health: qualitative methods (1 day) - Geographical Information Systems (GIS) (1 day) - Organisation of Simulation Exercises (1 day) - Phylogeny (2 days) - Ethics of scientific communication: authorship (1 day) - Get your scientific paper published (1 day) <p>Lectures, simulations, case studies, debates will be some of the learning activities.</p>
Selection	Selection of participants from Member States (EPIET/EUPHEM supervisors and other senior experts) is made through official invitation letters to the National Focal Points for Public Health Training, who are in turn invited to propose the candidates from their respective Member States.

ECDC Winter Workshop 2018	
Scheduled for	4-6 December 2018 (Tentative) Stockholm, Sweden
Target audience and prerequisites	<p>The target audience are experts at the Member State and the EU level contributing to detection, prevention, preparedness, surveillance and response to cross-border health threats.</p> <p>Public health professionals in communicable diseases prevention and control, familiar with the production of risk assessments at national or sub-national level, and involved in communication to policy makers.</p>
Objectives/Intended Learning Outcomes	<p>The aim of the workshop is to strengthen capacity in Member States of the European Union (EU) and of the European Economic Area (EEA) in increasing and strengthening knowledge on the use of scientific evidence for assessment, decision-making and communication of cross-border health threats in the European Union.</p> <p>The objectives are to:</p> <ul style="list-style-type: none"> • bring country experts together to exchange experiences and views in relation to detection, preparedness, assessment and control of public health threats with a cross-border dimension at the EU-level • offer ECDC updates on core activities, recent developments, guidance and tools to attention of MS experts • identify ways to adapt approaches to MS realities and design concrete actions to implement in their institutions of origin
Description	<p>Contents:</p> <ul style="list-style-type: none"> • Decision making process for public health at EU Member State and EU level • Use of scientific evidence for public health action • Risk ranking and risk assessment from the perspective of public health interventions • Communication principles applied to risk analysis and public health policy • Planning session to disseminate the knowledge acquired <p>Lectures and participative methods will be used to stimulate discussions and share good practices.</p>
Selection	Participants are proposed by NFPTs.

TB Whole Genome Sequencing implementation	
Scheduled for	Planned for April 2018 Milan, Italy
Target audience and prerequisites	The target audience are nominated experts and laboratory specialists at the Member State and the EU level, contributing to the implementation of the whole genome sequencing (WGS) for molecular typing of <i>Mycobacterium tuberculosis</i> complex strains in their own country.
Objectives/Intended Learning Outcomes	The objectives of this advanced course are to: <ul style="list-style-type: none"> - understand the recent methods and standards in WGS - use WGS for strain characterization.
Description	A two-day course that will take place in Milan, Italy.
Selection	The participants are the ECDC Operational Contact Points (OCP) for Microbiology (Tuberculosis). The course will be offered to one OCP per MS.

Training in TB Communication	
Scheduled for	September - October 2018 to be announced
Target audience and prerequisites	<p>The scope of the training is to provide support to the five World Health Organization TB high priority countries in the EU (Bulgaria, Estonia, Latvia, Lithuania and Romania) in prevention and control of (Multidrug Resistant) Tuberculosis.</p> <p>The participants are experts and health care workers with different backgrounds working in TB prevention, treatment and care.</p> <p>Requirements:</p> <ul style="list-style-type: none"> • Interest in the subject of the exchange visit; • Subject of the exchange visit relevant to the participant's current work; • Ability to apply the gained knowledge and skills in his/her work place.
Objectives/Intended Learning Outcomes	<p>The aim is to equip participants with the necessary knowledge to champion change and promote innovation and learning in their own countries.</p> <p>The objectives are to:</p> <ul style="list-style-type: none"> • gain practical and applicable knowledge of TB/HIV co-infection • learn from and share experiences with professionals working in countries facing common challenges in TB prevention and control
Description	The training will be conducted through a series of lectures, discussions and group sessions.
Selection	Planned for 25 experts, policy makers and health care workers with different backgrounds (5 per country) working in TB prevention and care in the five Member States nominated by the respective TB National Focal Points.

Cross-sectoral biorisk awareness and mitigation training	
Scheduled for	April 17-19 2018, Portugal
Target audience and prerequisites	The target audience includes representatives of the following main areas of activity: civil protection (Firefighters), law enforcement (Police, Border control, Customs) and health emergency services (Paramedics, Nurses, Emergency physicians, Red cross). Active role as a first responders and duties of training are required of the participants.
Objectives/Intended Learning Outcomes	<p>The objectives are to:</p> <ul style="list-style-type: none"> • understand specific needs for effective staff protection from biorisks with the perspectives of different disciplines or sectors • achieve a comprehensive view on available options when conceiving an occupational safety system for different scenarios (including barrier management, distancing measures, use of personal protective equipment, hygiene and disinfection, pre- and post-exposure prophylaxis) • understand potentials and limitations of basic protective equipment for infectious diseases of high consequence (coverall, goggles, FFP-respirator, gloves and boots as specified in ECDC's tutorial on safe use of PPE) • develop the ability to provide appropriate guidance to frontline staff for occupational safety and health issues in different scenarios based on a systematic risk assessment that includes analyses of the working environment and of the planned activities
Description	<p>Jointly organized by Europol and ECDC, the two-and-a-half-day training involves presentations, scenario-based discussions in groups of multidisciplinary teams, demonstrations and practice about correct use of PPE and exchange of experience.</p> <p>This training will also include practical “how to” information on the planning, organisation and execution of this type of learning activity.</p>
Selection	The participants will be selected from EU Member States and EEA/EFTA countries. The selection will be made jointly by ECDC and EUROPOL.

Methods and tools for evidence-based practice and decision-making with a special emphasis on infectious diseases	
Scheduled for	22-25 January 2018
Target audience and prerequisites	Targeted at ECDC staff and experts working at public health authorities in EU/EEA countries. This is an introductory course, and prior knowledge in evidence-based methods is not needed. However, some basic knowledge in epidemiology (e.g. different study designs) has proven to be helpful. The course is particularly recommended for those involved in the planning, development, commissioning and/or approval of scientific outputs like reviews, assessments, guidance etc., and that would like to start applying evidence-based practice in their daily work. All grades and expert levels in the targeted audience may enroll.
Objectives/Intended Learning Outcomes	The objectives are to: <ul style="list-style-type: none"> • understand the principles of evidence-based health care and public health • identify the methods and main tools for evidence-based practice and decision-making • apply the principles, methods and tools using real life examples
Description	Participants will acquire theoretical knowledge as well as a set of basic practical skills needed to start applying the principles and methods of evidence-based practice in their daily work. The format includes a mix of lectures and exercises, and encourage interaction and active involvement. Participants will work in small groups on all steps from the question, to searching and selecting research and grey evidence, critical appraisal and risk of bias assessment of single studies of different study type, to extraction and analysis, including meta-analysis, as well as the assessment of a body of evidence to draw conclusions and develop recommendations. Participants will present the results of their work on the last course day.
Selection	Participation is by country nomination through CCBs in collaboration with NFPs for training and NFPs for scientific advice coordination; enrolment for ECDC staff members can be made through Allegro.

E-learning courses

Introduction to Outbreak Investigation	
Availability	Available on ECDC Virtual Academy (EVA)
Target audience and prerequisites	<p>This course targets public health professionals with no prior knowledge in Outbreak Investigation. It may also be used as a refreshment module prior to advanced courses in Outbreak Investigation.</p> <p>Epidemiologists, working at the national or at the sub-national level in the EU/EEA countries and proposed by their countries.</p>
Objectives/Intended Learning Outcomes	<p>The objectives are to:</p> <ul style="list-style-type: none"> • recognise components (steps) in outbreak investigation • describe what action is expected in each step • execute particular actions in the frame of the outbreak investigation
Description	<p>This course is focusing on the basics in outbreak investigation, introducing knowledge of concepts, principles and succession of actions. At the end of the course, the learner will have sufficient knowledge and basic skills to be involved in the outbreak investigation team.</p> <p>The course will follow the model of introduce, demonstrate, exercise and reflect. The course will be modular with the textual, graphical, media (video lectures) and quizzes implemented in each module based on particular learning objectives.</p>
Selection	Free, self- enrolment

Introduction to Rapid Risk Assessment	
Availability	Available on ECDC Virtual Academy (EVA)
Target audience and prerequisites	<p>This course is designed to target public health professionals with no prior knowledge in Rapid Risk Assessment.</p> <p>Epidemiologists, working at the national or at the sub-national level in the EU/EEA countries and proposed by their countries</p>
Objectives/Intended Learning Outcomes	<p>The objectives are to:</p> <ul style="list-style-type: none"> • recognise components (steps) in rapid risk assessment production • describe what is expected to be done in each step and • execute particular actions in frame of the rapid risk assessment production
Description	<p>The course is focusing on the basics in planning, conducting and generating rapid risk assessments, introducing knowledge of concepts, principles and succession of actions. At the end of the course, the learner will have sufficient knowledge and basic skills to be involved in a team producing rapid risk assessments.</p> <p>The course will follow the model of introduce, demonstrate, exercise and reflect. The course will be modular with the textual, graphical, media and quizzes implemented in each module based on particular learning objectives. Quizzes will be used in indicated modules. Two case studies to exemplify use of learning knowledge will be introduced in different modules of the course.</p>
Selection	Free, self- enrolment

Influenza vaccination of health care workers - can uptake be improved?	
Availability	Available on ECDC Virtual Academy (EVA)
Target audience and prerequisites	This course is designed to target public health professionals who organize vaccination campaigns for health care workers (HCWs)
Objectives/Intended Learning Outcomes	The objectives are to: <ul style="list-style-type: none"> • create a community of vaccination campaign organizers that will progressively build a network throughout Europe • create informative and effective seasonal influenza vaccination campaigns that can be shared within the network year after year.
Description	This online course has been developed in response to the fact that although seasonal influenza vaccination of health care workers (HCWs) is recommended in Europe, vaccination uptake remains low in most countries. During the course, information about influenza disease, protection against influenza, tools to assess vaccine uptake and barriers to vaccination as well as stimulating examples of successful campaigns will be presented.
Selection	Free, self- enrolment

Writing and Reviewing Scientific Abstracts: a field epidemiology focus	
Availability	Available between March and April 2018 on ECDC Virtual Academy (EVA)
Target audience and prerequisites	Epidemiologists, working at the national or at the sub-national level in the EU/EEA countries and proposed by their countries.
Objectives/Intended Learning Outcomes	The objective is to strengthen skills in writing, reviewing and editing scientific abstracts, with a focus on field epidemiology topics.
Description	This course is based on online lectures, exercises and participation in Forum discussions. Course is moderated and partially self-paced. The only elements that have a fixed time-frame are the deadlines for the peer review assignments (writing and reviewing an abstract)
Selection	Free, self- enrolment

Cross border sharing of health data	
Availability	Available on ECDC Virtual Academy (EVA) (April 2018)
Target audience and prerequisites	Epidemiologists, working at the national or at the sub-national level in the EU/EEA countries and proposed by NFPT in coordination with NFP for Surveillance.
Objectives/Intended Learning Outcomes	<p>The objectives are to:</p> <ul style="list-style-type: none"> • understand the basic concepts of Regulation (EU) 2016/679 and its impact on management and analysis of health data in the context of communicable disease surveillance • understand the relationship between EU legislation and national legislation applicable for public health data • have an overview of the challenges in data sharing during essential public health operations such as outbreak investigations and public health surveillance • understand the concept of “open access” and how it is applied to scientific publications and research data • identify a question related to data sharing in public health and consult a legal expert for advice
Description	<p>This course will focus on the legal context of data sharing in communicable disease prevention and control, and in particular, on issues relating to the exchange of health data in joint databases and between different legal systems. The course will provide the participants with essential knowledge in overcoming these challenges.</p> <p>The course will follow the model of introduce, demonstrate, exercise and reflect. The course will be modular with textual, graphical, media and quizzes implemented in each module based on particular learning objectives. Quizzes and case studies to exemplify use of learning knowledge will be introduced in different modules of the course.</p>
Selection	Free, self- enrolment

Epidemic Intelligence (EI)	
Availability	Available on ECDC Web Portal http://external.ecdc.europa.eu/EI_Tutorial/course.htm
Target audience and prerequisites	Professionals with public health background who have an interest in becoming familiar with the tools, standards and practices adopted at technical level for early detection at EU and international level.
Objectives/Intended Learning Outcomes	<p>The objectives are to:</p> <ul style="list-style-type: none"> • understand the process of early detection at ECDC • train experts on Epidemic Intelligence tools and platforms • share best practices on epidemic intelligence among the experts in prevention and control of communicable diseases

Selection	ECDC National Focal Points for Training, Early Warning and Response System and International Health Regulations stakeholders will be invited to propose participants.
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Surveillance data presentation (tables, graphs and maps)

Availability	Available soon on ECDC Virtual Academy (EVA) (late 2018)
Objectives/Intended Learning Outcomes	The objective is to: <ul style="list-style-type: none"> - Present comprehensive surveillance data on tables, graphs and maps
Selection	Self-enrolment

Influenza bioanalytics

Availability	Available soon on ECDC Virtual Academy (EVA)(spring 2018)
Target audience and prerequisites	Good understanding of influenza virology/ epidemiology
Objectives/Intended Learning Outcomes	The objectives are to: <ul style="list-style-type: none"> • understand benefits and objectives of bioanalytical methods in influenza surveillance and research •
Description	The course is designed to take approximately 90 minutes and is composed of 4 modules: M1 – Basic knowledge of biosafety in laboratory testing seasonal and pandemic influenza viruses. M2 – Specimen receipt and Transport M3 – Laboratory handling of specimens suspected or confirmed to contain influenza viruses M4 – Biorisk management
Selection	Self-enrolment

Influenza pandemic preparedness and response

Availability	Available soon on ECDC Virtual Academy (EVA) (spring 2018)
Target audience and prerequisites	Influenza surveillance experts with a desire to expand their skills and knowledge of preparedness. This course is also suitable for general public health experts who want to have an overview of pandemic preparedness.
Objectives/Intended Learning Outcomes	The objectives are to: <ul style="list-style-type: none"> • understand basic concepts in influenza pandemic preparedness, • Identify non-pharmaceutical measures for preparedness and response
Selection	Self-enrolment

Biosafety issues related to influenza	
Availability	Available on ECDC Virtual Academy (EVA) (spring 2018)
Target audience and prerequisites	Laboratory staff involved in influenza diagnostics and research.
Objectives/Intended Learning Outcomes	The objectives are to: <ul style="list-style-type: none"> • understand core biosafety issues • identify applications of influenza biosafety to work settings
Selection	Self-enrolment

Non-pharmaceutical countermeasures against pandemic influenza	
Availability	Second Quarter, 2018
Target audience and prerequisites	Laboratory and public health scientists
Objectives/Intended Learning Outcomes	<p>This course aims to provide the latest scientific information on the use of non-pharmaceutical countermeasures, summarising the lessons learned from the 2009 influenza pandemic.</p> <p>The objectives are to:</p> <ul style="list-style-type: none"> • understand the process of responding to seasonal and pandemic influenza in their communities through the knowledge of the availability and effective use of non-pharmaceutical countermeasures • be able to provide education on how and when non-pharmaceutical countermeasures may be applied to the specific community settings to help slow the spread and reduce the impact of a pandemic virus • Be aware of links to reading material related to non-pharmaceutical countermeasures and pandemic planning
Description	This course has been developed to educate laboratory and public health scientists on the effective implementation and planning of non-pharmaceutical countermeasures during influenza epidemics/outbreaks and pandemics. During this course, information about the influenza virus, non-pharmaceutical countermeasures used for protection against influenza and triggers for the implementation of such interventions, as well as aspects of pandemic planning will be presented.
Selection	Self-enrolment

Framework for Rating Evidence in Public Health: PRECEPT e-Learning	
Availability	Second Quarter, 2018 on ECDC Virtual Academy (EVA) Multiple editions
Objectives/Intended Learning Outcomes	The objective is to: <ul style="list-style-type: none">• gain understanding of the PRECEPT framework and how it is used for evaluating and grading evidence in the field of infectious disease prevention and control
Selection	Self-enrolment

Webinars

HAI-Net Surgical site infection (SSI) surveillance webinar series

(related to HAI-Net SSI surveillance wave September-November 2018)

Availability	Second Quarter 2018 (timeline and topics subject to change)
Description	<p>Webinar 1 - SSI surveillance general session</p> <p>Webinar 2 - SSI prevention indicators</p> <p>Webinar 3 - HelicsWin.Net SSI module and hospital reports</p> <p>Webinar 4 - Reporting SSI surveillance results</p>
Selection	Self-enrolment

Using the Epidemic Intelligence Information System for Food and Water-borne Diseases and Zoonoses (EPIS-FWD)

Availability	to be announced
Description	Webinar 1 – How to use EPIS-FWD (will be given when new users are nominated)
Selection	Self-enrolment

Training materials

Course on development, implementation and evaluation of prudent antibiotic use campaigns	
What you will find	You will find course material that you may use to offer a training for your target audience. Your target audience could include health communicators with an interest on antimicrobial resistance and prudent use of antibiotics.
Objectives/Intended Learning Outcomes	<p>The aim of this course is to provide planners and implementers of prudent antibiotic use campaigns with the basic knowledge and skills required to plan, conduct and evaluate such campaigns.</p> <p>Learning objectives of the course material are to:</p> <ul style="list-style-type: none"> • understand and explain the rationale, key elements and steps required to develop behaviour change communication campaigns on prudent antibiotic use, • understand and apply basic social marketing concepts in the development, implementation and evaluation of behaviour change communication campaigns on prudent antibiotic use, • design and implement behaviour change communication campaigns on prudent antibiotic use, • identify and select appropriate indicators, methods and tools for evaluation of behaviour change communication campaigns on prudent antibiotic use, and • design and implement an evaluation work plan for behaviour change communication campaigns on prudent antibiotic use.
Description	These materials can be used as a basis to organise further trainings at national level, to strengthen participants' knowledge and skills on prudent antibiotic use campaigns.

Training materials

Course materials on Legionnaires' disease: Risk Assessment, Outbreak Investigation and Control	
What you will find	<p>You will find course material that you may use to offer a training for your target audience. Your target audience could be multidisciplinary, consisting of mid-career and/or senior experts in the area of public health, particularly those dealing with Legionnaires' disease.</p>
Objectives/Intended Learning Outcomes	<p>The goal of this training is to strengthen the participant's knowledge and skills in order to improve the collaboration and communication among the different disciplines (microbiology, environmental health and epidemiology) involved in a Legionnaires' disease outbreak investigation and control.</p>
Description	<p>The course incorporates different teaching methods: short presentations, group work, risk assessments using photographic material and proposes to organise field visits to understand potential sources of outbreaks (e.g. cooling tower, spa pool and water systems). Contents include: clinical, epidemiological and environmental aspects of Legionnaires' disease, water systems and control measures, diagnostics, principles of outbreak investigation in different settings (community, travel-related and nosocomial outbreaks), risk assessment and communication.</p> <p>Revision and publication of training materials is ongoing and will be concluded before Second Quarter of 2018.</p>

Training materials

Course materials on Epidemiological aspects of Vaccine Preventable Diseases	
What you will find	You will find course material that you may use to offer a training for your target audience. Your target audience could include senior epidemiologists working in surveillance and outbreak investigation of VPDs. The expectation is that the course materials will improve the capacity of the participants to become trainers in vaccinology.
Objectives/Intended Learning Outcomes	<p>The objectives of this course material are to:</p> <ul style="list-style-type: none"> • become familiar with interactive and adult learning methods, e.g. case studies; • be able to lecture on surveillance, outbreak investigation and applied epidemiological research of VPD; • be able to facilitate case studies in these areas; • be able to define the target audience and to adjust material/contents • mobilise resources (human, budget, etc.) to organise training in this area.
Description	<p>Training materials from a three-day course organised as a “Train the Trainers” activity aiming at preparing senior professionals to organise, manage and conduct a course covering the epidemiological aspects of vaccination. Epidemiological methods for VPDs is split into three themes: Surveillance, Outbreak Investigation and Applied Epidemiological Research. Lectures, case studies and group exercises.</p> <p>Revision and publication of training materials is ongoing and will be concluded before Q2 2018.</p>

Training materials

Course materials for point prevalence survey training of healthcare-associated infections and antimicrobial use in acute care hospitals	
What you will find	You will find course material that you may use to offer a training for your target audience. Your target audience could include national coordinators of point prevalence surveys.
Objectives/Intended Learning Outcomes	<p>The objectives of this training material are to :</p> <ul style="list-style-type: none"> • appreciate aims, objectives & methodology of EU PPS (incl limitations) • recognise HAI using standard EU PPS case definitions • understand measures the validity and reliability of PPS data on HAI • enter and export data EU PPS data in HELICS-Win • describe the best approach, organisation and training techniques to deliver training on the ECDC protocol for PPS for a short course aimed at hospital staff • describe and discuss the principles of and approaches to training with adult learners and the importance of learning styles • critically evaluate the training approaches for working with groups including questioning strategies to ensure engagement and understanding • identify and utilize approaches to evaluation of training
Description	<p>Contents include:</p> <ul style="list-style-type: none"> ▪ The methodology of the EU PPS ▪ The systems required for data collection at a local and national level ▪ The training materials for those involved in local collection of data ▪ Approaches to learning and teaching: andragogy ▪ The principles of and approaches to delivering effective training with small and large groups ▪ Planning for success: environment and facilitation <p>Training materials from a daylong course with 10 lectures, 8 short case studies and ice breaking exercises. This set of training materials includes participants' and facilitators' versions for case studies.</p> <p>Revision and publication of training materials is ongoing and will be concluded before Q2 2018.</p>

Training materials

Course materials for: Introduction to Intervention Epidemiology	
What you will find	<p>You will find course material that you may use to offer a training for your target audience. Your target audience could include epidemiologists working in the public health administration in the 27 MS and the EEA/EFTA countries, proposed by the ECDC competent bodies.</p> <p>Epidemiologists with limited experience in field epidemiology at national or sub-national level in the EU/EEA countries.</p>
Description	<p>The aim of the course is to strengthen participant common understanding of epidemiological concepts of surveillance and outbreak investigation and control activities.</p> <p>Blended format (self-learning module to be done by participant one month in advance and three-day face to face workshop). 70 hours over 2 weeks (10 days face to face).</p>
Objectives/Intended Learning Outcomes	<p>Knowledge objectives include:</p> <ul style="list-style-type: none"> • Elements of descriptive epidemiology: person, time, space • Epidemiological concepts: indicators, measures and causal inference • Principles of surveillance: concepts, design, surveillance data analysis and surveillance evaluation. • Outbreak investigations: theoretical aspect, practical issues, study concepts, questionnaire design, sampling theory, choice of reference group and operational aspects of outbreak investigation. • Analytical epidemiology: study design, bias, confounding, selection of a reference group, cohort vs. case-control, controlling confounders and study design; • Advanced methods: stratification and multivariate analysis, matching and logistic regression, alternative designs • Information about ECDC, IHR, epidemic intelligence <p>Training the trainers objective:</p> <ul style="list-style-type: none"> • To get acquainted with facilitation of training sessions for Public Health professionals

Simulation Exercises

Simulation exercise for an emerging threat (regional) – Decision 1082	
Scheduled for	Fourth Quarter 2018
Description	Regional simulation exercise based on an emerging hot topic for the preparedness community. Will involve a group of EU Member States, EU enlargement countries and ENP countries working together to respond to an emerging crisis. The exercise will involve public health and other sectors, dependent on the scenario - it has an adjacent training day on how to design and implement a Simulation Exercise (in the delegates own countries).

ECDC-EFSA exercise on preparedness for food- and waterborne diseases outbreaks	
Scheduled for	Second Quarter 2018 (tentatively week 14-18 May 2018)
Description	Country Preparedness section and FWD DP are in the planning group of a joint EFSA-ECDC Simulation Exercise involving 6 EU countries and both food safety and public health authorities. Planning is on-going.

DG SANTE simulation exercise	
Scheduled for	January 2018
Description	The ECDC Country Preparedness Support Section will support CHAFEA and SANTE C3 in the development of the exercise. CPS is on the planning team for a DG Sante SimEX with all EU MSs (delivered under contract by PHE), based on a dual threat, one of which is infectious disease.