

CAMPYLOBACTER IN HUMANS AND POULTRY MEAT FOOD CHAIN - SECTION C

FOOD CHAIN SURVEILLANCE

Dear participant,
in the context of the OHEJP Matrix, Work-Package 2 (Best-practices and multi-sectorial collaboration) implemented this online questionnaire to collect information about the surveillance of **Campylobacter** in the **poultry meat food chain**, in three sectors: public health, animal health, and food safety.

We would like to thank you for your willingness to fill in the questionnaire for the **food safety** sector.

Please find hereby some information regarding personal data processing.

Under Articles 13 and 14 of Regulation (EU) 2016/679, the personal data processing concerns the personal data - name, family name, institution, email address - of those who answer the questionnaire as part of the Matrix project.

The data controller is the legal representative of Istituto Zooprofilattico Sperimentale Abruzzo e Molise "G. Caporale" – Teramo (Italy), www.izs.it - protocollo@pec.izs.it, +3908613321. The contact details of the DPO of the Institute are: dpo@izs.it, +39 0861 3321.

Personal data collected will be processed for purposes connected with the handling of the contractual requirements related to the management of the Matrix project (art. 6, § 1, letter b) of Regulation).

The personal data provided will not be subject to communication and/or dissemination.

All personal data collected will be processed electronically on digital medium using the specific information systems and, in any case, the processing is made exclusively by personnel in charge. All data collected will be retained anonymously on digital.

At any time, data subjects have the right to ask the data controller for accessing their personal data, confirming such data exist, to know the content, the origin, and the processing terms, to request the update, the rectification, the erasure, the transformation into anonymity or the blocking of the data processed in breach of the law or to object the processing. The related request should be made by contacting the Data Protection Officer or the supervisory authority, in particular in the Member State of his or her habitual residence.

* 1. Country

* 2. Contact info of the person replying to the questionnaire

Name and Surname

Institution

E-mail address

CAMPYLOBACTER IN HUMANS AND POULTRY MEAT FOOD CHAIN - SECTION C

SURVEILLANCE - Slaughterhouse

3. Are there any surveillance* activities in place for *Campylobacter* spp. detection in poultry **at the slaughterhouse** in your country?

* Surveillance understood as "Targeted Surveillance that is focused on one or more pre-defined hazards (disease, condition, biological, chemical or physical agent, or event) often this form of surveillance uses diagnostic tests for the detection of particular pathogens (e.g. molecular diagnostic methods)." (EJP ORION Glossary)

☐ YES

☐ NO

4. Are different types of surveillance activities in place for *Campylobacter* spp. detection in poultry at the **slaughterhouse** carrying out based on:

	EU legal obligation	National legal obligation	Voluntary based
Official control program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Own check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Baseline survey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitoring program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Research project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outbreak investigation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

5. Who are the actors in charge of carrying out surveillance activities for *Campylobacter* spp. in poultry at the **slaughterhouse**?

☐ Slaughter company

☐ Official Control Authorities

☐ Other (please specify)

6. How often is sampling performed according to surveillance types at the **slaughterhouse**?

	Ongoing	Monthly	Quarterly	As required (E.g. as a part of a defined study or during a defined period)
Official control program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Own check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Baseline survey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitoring program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Research project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outbreak investigation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

7. What type of specimens are collected during surveillance activities at the **slaughterhouse**?

	Official control program	Own check	Baseline survey	Monitoring program	Research project	Outbreak investigation
Carcass swabs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neck skin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Breast skin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cloacal swabs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Caecum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Faeces	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental samples	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

8. Which is the sample unit of the sample?

	Single	Batch
Carcass swabs	<input type="checkbox"/>	<input type="checkbox"/>
Neck skin	<input type="checkbox"/>	<input type="checkbox"/>
Breast skin	<input type="checkbox"/>	<input type="checkbox"/>
Cloacal swabs	<input type="checkbox"/>	<input type="checkbox"/>
Caecum	<input type="checkbox"/>	<input type="checkbox"/>
Faeces	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

9. In which slaughter time are the samples collected?

- ☐ Before cleaning and disinfection
- ☐ After cleaning and disinfection
- ☐ Earlier during the day
- ☐ Later during the day
- ☐ Other
- ☐ Other (please specify)

10. In which stage of the primary processing are the samples collected?

	Carcass swabs	Neck skin	Breast skin	Cloacal swabs	Caecum	Faeces	Environmental	Equipment
Stunning and slaughter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scalding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Defeathering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Evisceration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Washing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Primary chilling (before packaging)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

11. Do surveillance activities in place for *Campylobacter* spp. in poultry at the **slaughterhouse** also include data collection on:

- ☐ Production flow mapping
- ☐ Personnel movement
- ☐ Cleaning and sanitation procedures
- ☐ Intervention at slaughter
(*Scheduled slaughter, logistic slaughter etc*)
- ☐ Decontamination of carcasses
(*chemical or physical*)
- ☐ Other (please specify)

CAMPYLOBACTER IN HUMANS AND POULTRY MEAT FOOD CHAIN - SECTION C

SURVEILLANCE - Processing plants

12. Are there any surveillance* activities in place for *Campylobacter* spp. detection in poultry **at the processing plants** in your country?

* Surveillance understood as "Targeted Surveillance that is focused on one or more pre-defined hazards (disease, condition, biological, chemical or physical agent, or event) often this form of surveillance uses diagnostic tests for the detection of particular pathogens (e.g. molecular diagnostic methods)." (EJP ORION Glossary)

☐ YES

☐ NO

13. Are different types of surveillance activities in place for *Campylobacter* spp. detection in poultry at the **processing plants** carrying out based on:

	EU legal obligation	National legal obligation	Voluntary based
Official control program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Own check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Baseline survey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitoring program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Research project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outbreak investigation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

14. Who are the actors in charge of carrying out surveillance activities for *Campylobacter* spp. in poultry at the **processing plants**?

☐ Cutting plants

☐ Official Control Authorities

☐ Other (please specify)

15. How often is sampling performed according to surveillance types at the **processing plants**?

	Ongoing	Monthly	Quarterly	As required (E.g. as a part of a defined study or during a defined period)
Official control program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Own check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Baseline survey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitoring program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Research project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outbreak investigation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

16. What type of specimens are collected during surveillance activities at the at the **processing plants**?

	Official control program	Own check	Baseline survey	Monitoring program	Research project	Outbreak investigation
Carcass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fresh meat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fresh chilled meat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fresh frozen meat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental samples	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

17. In which stage of the secondary processing are the samples collected?

	Carcass swabs	Neck skin	Breast skin	Cloacal swabs	Caecum	Faeces	Environmental	Equipment
Portioning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grading and packaging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Secondary chilling (before distribution)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

CAMPYLOBACTER IN HUMANS AND POULTRY MEAT FOOD CHAIN - SECTION C

SURVEILLANCE - Retail

18. Are there any surveillance* activities in place for *Campylobacter* spp. detection in poultry **at the retail level** in your country?

* Surveillance understood as "Targeted Surveillance that is focused on one or more pre-defined hazards (disease, condition, biological, chemical or physical agent, or event) often this form of surveillance uses diagnostic tests for the detection of particular pathogens (e.g. molecular diagnostic methods)." (EJP ORION Glossary)

☐ YES

☐ NO

19. Are different types of surveillance activities in place for *Campylobacter* spp. detection in poultry at the **retail level** carrying out based on:

	EU legal obligation	National legal obligation	Voluntary based
Official control program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Own check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Baseline survey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitoring program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Research project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outbreak investigation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

20. Who are the actors in charge of carrying out surveillance activities for *Campylobacter* spp. in poultry at the **retail level**?

☐ Food business operators

☐ Official Control Authorities

☐ Other (please specify)

21. How often is sampling performed according to surveillance types at the **retail level**?

	Ongoing	Monthly	Quarterly	As required (E.g. as a part of a defined study or during a defined period)
Official control program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Own check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Baseline survey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitoring program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Research project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outbreak investigation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

22. What type of specimens are collected during surveillance activities at the at the **retail level**?

- ☐ Minced meat
- ☐ Meat preparations
- ☐ Meat products
- ☐ Food handling areas
- ☐ Equipment
- ☐ Personnel
- ☐ Other
- ☐ Other (please specify)

CAMPYLOBACTER IN HUMANS AND POULTRY MEAT FOOD CHAIN - SECTION C

SURVEILLANCE - General

23. In case of designed surveillance programs, how is the sampling program designed?

- ☐ To investigate the exposure to *Campylobacter* spp. in general
- ☐ Targeted to special segments of producers (e.g small scale producers) *
- ☐ Targeted to consumer groups (e.g vulnerable consumers, high amount consumers of the particular food) **
- ☐ Import/export control
- ☐ Other (please specify)

24. * Please specify

25. ** Please specify

26. Which metadata are collected during routine surveillance activities?

	Production level	Distribution level	Retail level	Border control by export or import
Registration number of the FBO (Food Business Operator)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Production date	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Expiry date	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Batch number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Product size	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Storage temperature	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Packing conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small scale or large scale FBO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

CAMPYLOBACTER IN HUMANS AND POULTRY MEAT FOOD CHAIN - SECTION C

DATA MANAGEMENT AND LABORATORY METHODS

27. Are data on surveillance activities in place for *Campylobacter* spp. in poultry meat, at different stage of the food chain, stored in electronic data collection systems at national level?

☐ Yes

☐ No

28. What kind of information collected during surveillance is shared at the national level?

☐ Type of specimen
(carcass swab, fresh meat, environmental, etc.)

☐ Food item

☐ Expiration date

☐ Sampler

☐ Date of sample collection

☐ Time of sample collection (before or after disinfection, end of production, etc.)

☐ Place of sample collection

☐ Stage of processing

☐ Sampling context (e.g. monitoring or official control)

☐ Other (please specify)

29. Please, provide the name and contact details of the institution in charge of collecting and storing data derived from surveillance activities in place for *Campylobacter* spp. in poultry, at different stages of the food chain, at the national level.

Institution

City

Website

30. Please specify the laboratory test used routinely for each type of specimen:

	Carcass/caecal swab	Neck/breast skin	Caecum	Faeces	Fresh Meat	Meat products	Meat preparations	Environmental
PCR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ISO 10272-1 (detection)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ISO 10272-1 (enumeration)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other culture dependent methods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Culture dependent methods + PCR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

31. Are the Campylobacter strains characterized?

☐ Yes

☐ No

32. If yes, which laboratory methods are used routinely to characterize Campylobacter strains?

	Always	Sometimes	Never
PCR typing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
MALDI_TOF	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Serotyping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
MLST	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PFGE	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Whole genome sequencing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
WGS - MLST in silico	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
WGS - cgMLST/wgMLST	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
WGS - SNP analysis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Antibiotic susceptibility testing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)

33. How do you share the results of laboratory methods? Please check for each diagnostic test one or more possibilities:

	National level	Sub-national / Regional level	Local level	Intersectorial: human, animal, food	Not shared
PCR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Culture dependent methods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Culture dependent methods + PCR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enumeration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Serotyping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MALDI_TOF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MLST	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PFGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Whole genome sequencing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WGS - MLST in silico	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WGS - cgMLST/wgMLST	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WGS - SNP analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Antibiotic susceptibility testing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

34. When are the results shared for each analytical method used?

	Routinely	Outbreak investigation	Research	As required (E.g. as a part of a defined study or during a defined period)
PCR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Culture dependent methods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Culture dependent methods + PCR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enumeration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Serotyping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MALDI_TOF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MLST	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PFGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Whole genome sequencing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WGS - MLST in silico	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WGS - cgMLST/wgMLST	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WGS - SNP analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Antibiotic susceptibility testing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

35. Are laboratory data resulting from surveillance activities in place for *Campylobacter* spp. in poultry meat, at different stages of the food chain, stored in databases at the national level?

☐ Yes

☐ No

36. If yes, what kind of information on isolates is collected?

	National level	Sub-national / Regional level	Local level	Intersectorial: human, animal, food	Not shared
Type of specimen (rectal swab, meat, environmental etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Food item	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Expiration date	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sampler	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date of sample collection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Place of sample collection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stage of processing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sampling context	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date of sample receipt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date of laboratory result	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Name of laboratory- confirmed pathogen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

37. Please, provide the name and contact details of the National Reference Laboratory in charge of *Campylobacter* spp. detection, enumeration, and molecular typing in food and in samples at slaughter.

Institution

City

Website

CAMPYLOBACTER IN HUMANS AND POULTRY MEAT FOOD CHAIN - SECTION C

SURVEILLANCE SYSTEM EVALUATION

38. Has the surveillance system been evaluated?

Please, consider any known evaluations of functioning, performance, organizational aspects, and/or cost-effectiveness.

☐ Yes

☐ No

39. Which method of evaluation has been used?

☐ Auto-evaluation

☐ OASIS method

☐ SERVAL method

☐ Other (please specify)

40. Please, provide contact details of the institution that conducted the surveillance system evaluation.

Institution

City