

62nd EFSA Focal Points meeting, 24 September 2026



FEEDBACK ON THE REQUEST FOR EKE ON UNDERREPORTING OF ZOO NOTIC DISEASES IN HUMANS

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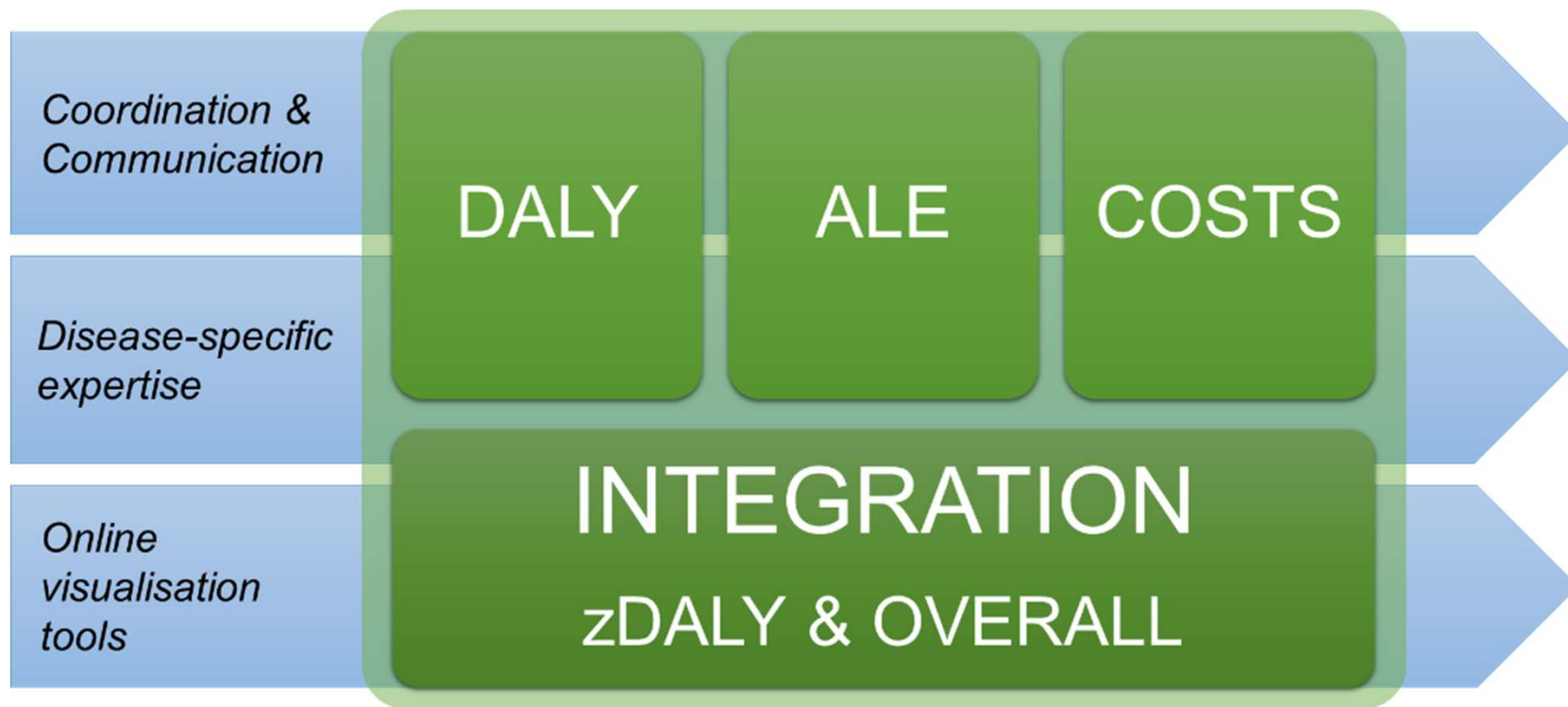
Objectives:

- 1) Estimate the **dual burden (zDALYs)** of the **nine foodborne zoonoses** in the EU Member States and EEA/EFTA countries: campylobacteriosis, salmonellosis, listeriosis, infection with Shiga toxin-producing *Escherichia coli* (STEC), zoonotic tuberculosis, brucellosis, trichinellosis, echinococcosis, and yersiniosis.
- 2) Estimate the possible **tangible (direct and indirect costs) and intangible costs (COSTS)** of human and animal diseases, which are not considered in zDALYs, for the nine specified foodborne zoonoses.
- 3) Develop a methodological framework to **combine** the zDALYs and COSTS estimators into an **overall estimator**, for the specified nine foodborne zoonoses.

*It is important that the developed methodology is readily understandable and of **clear benefit to both public health and animal health sectors** (win-win, One Health approach). Results should be clearly explained, and indicate the added value of the outcomes for both sectors and all stakeholders.*



Conceptual framework



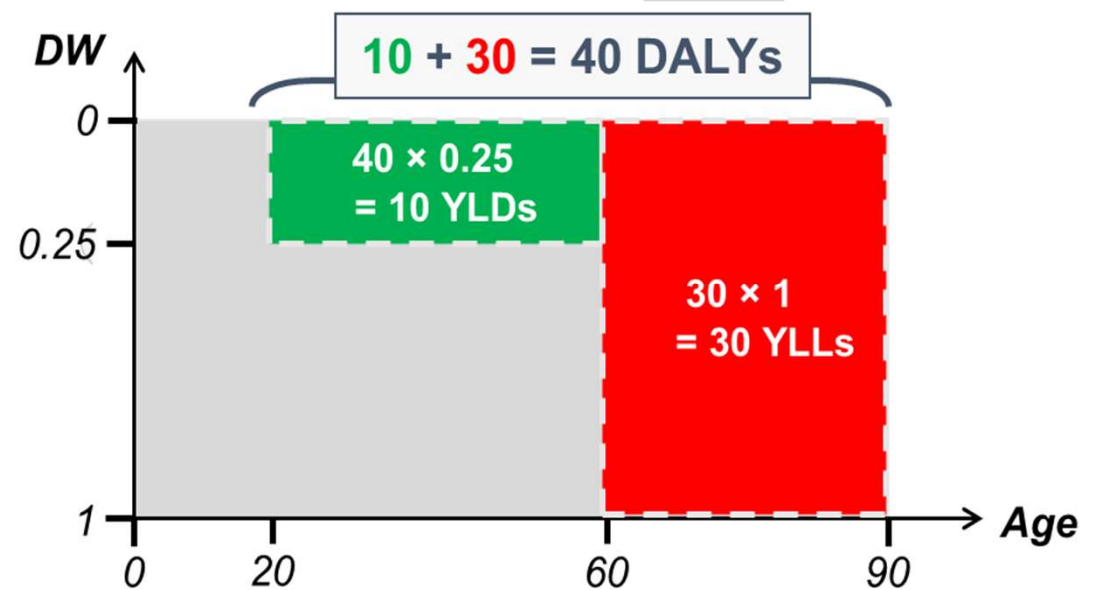
Reference year : 2023



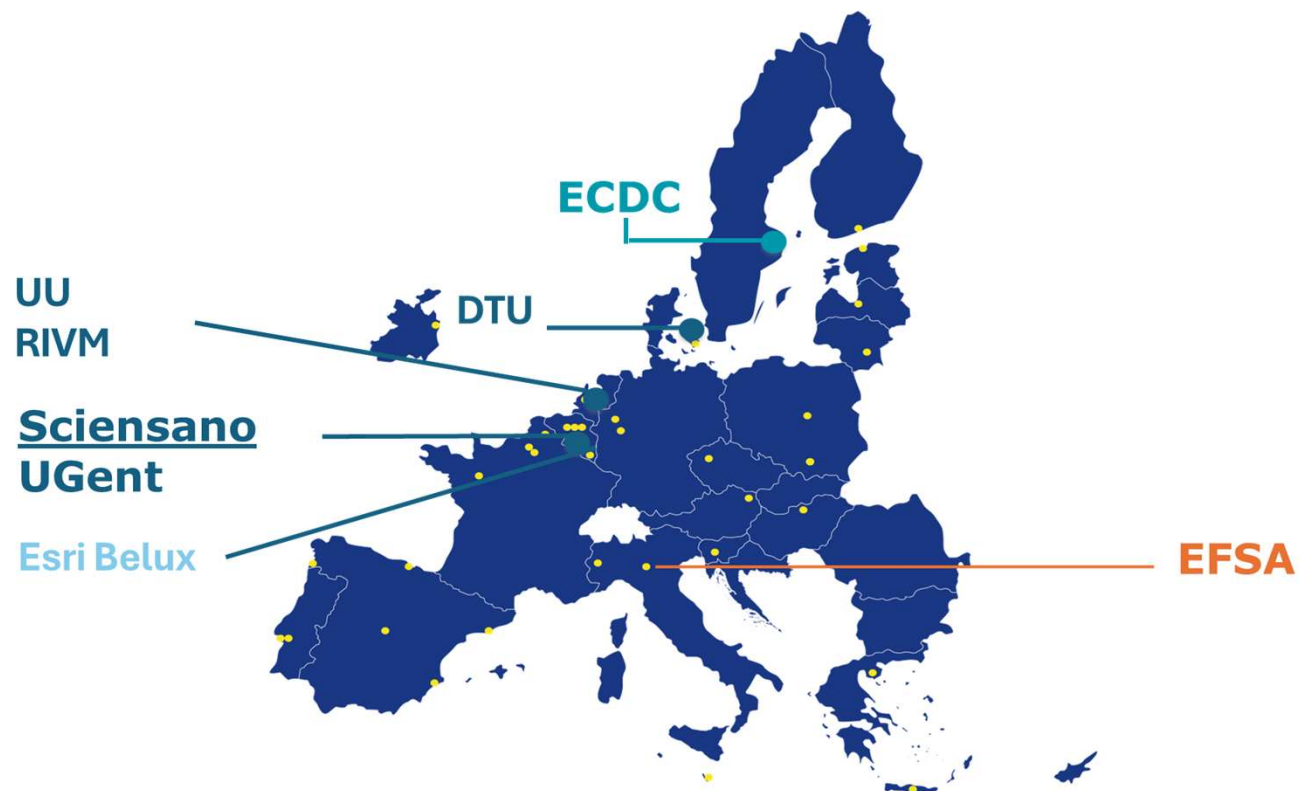
Public health surveillance indicators, underreporting, DALYs



- Incidence-based approach
- BCoDE health outcomes
- Disability-adjusted life years



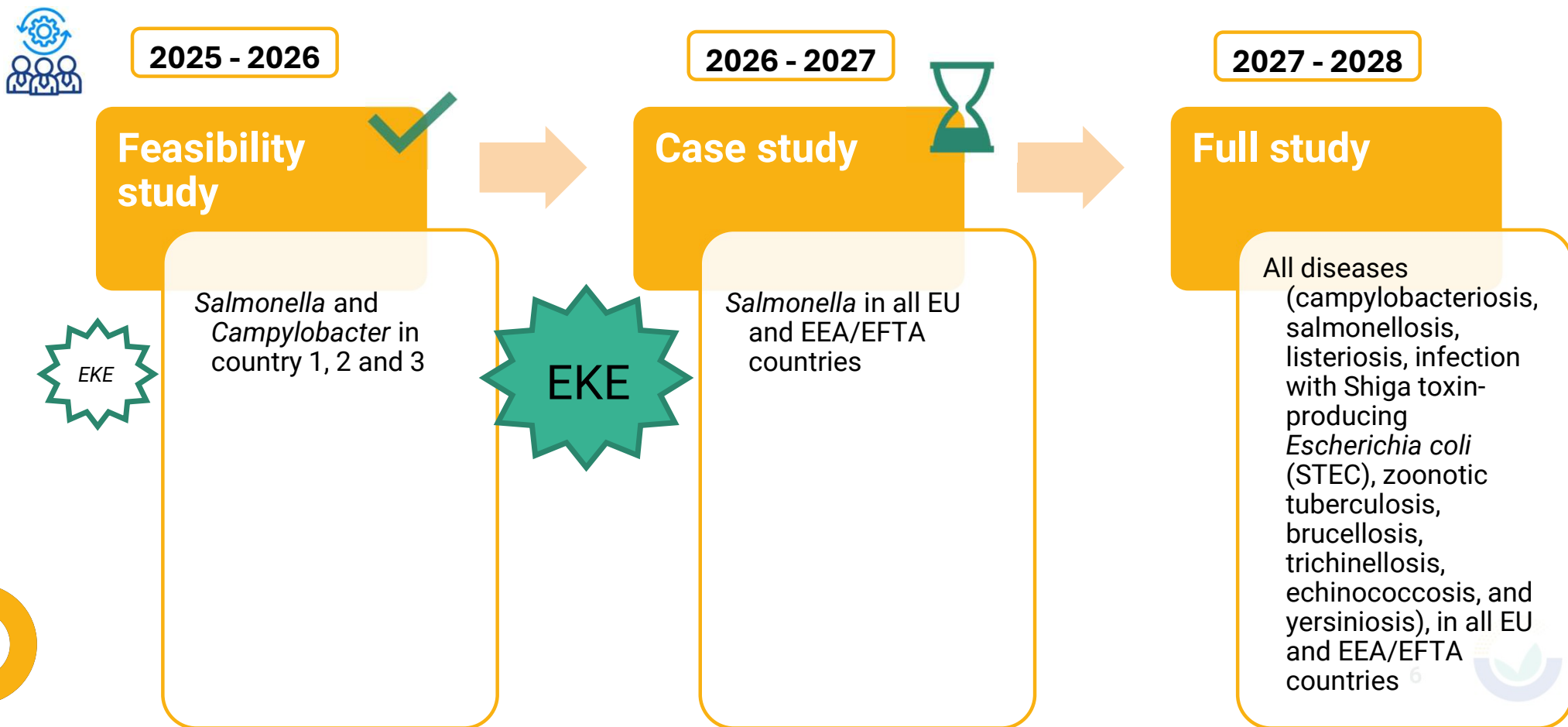
Consortium partners



+ 2 ISA experts (one public health economist, one animal health economist)



Project phases



Feasibility study, EKE underreporting



11 experts

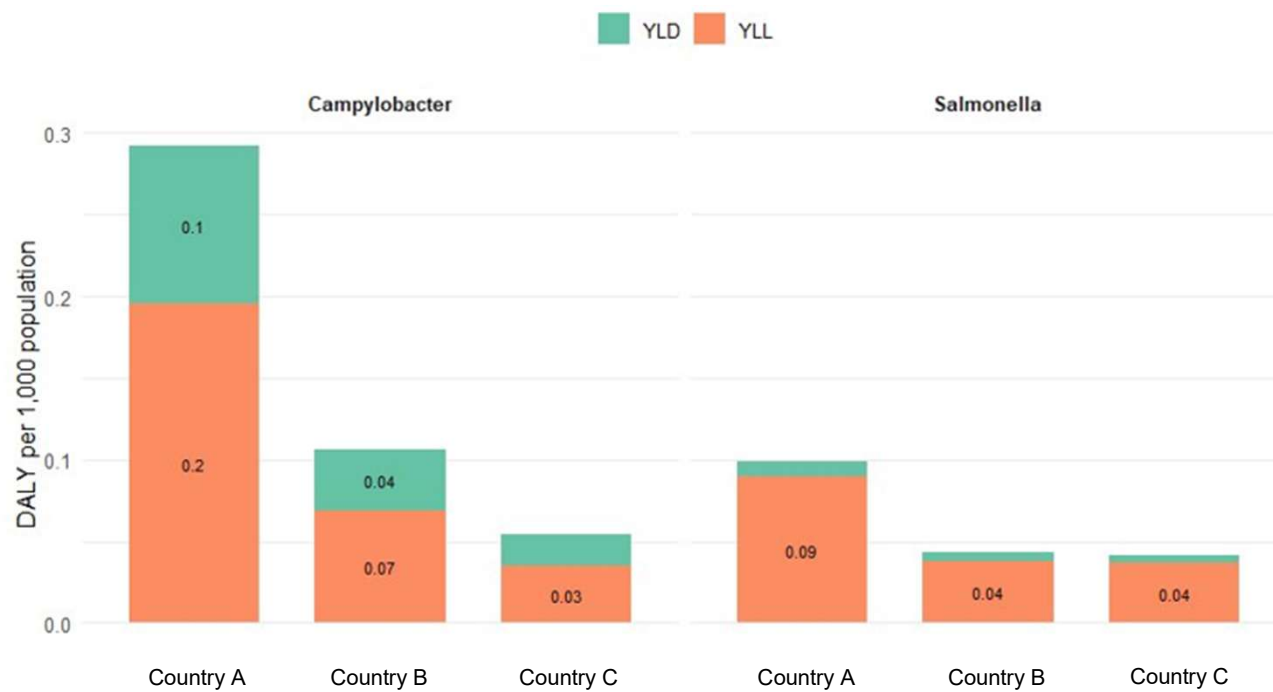


Pathogen	Country 1	Country 2	Country 3
<i>Salmonella</i>	12.74 (6.52, 24.05)	5.59 (3.50, 9.05)	12.97 (6.59, 24.01)
<i>Campylobacter</i>	33.52 (16.61, 69.64)	7.21 (4.21, 12.31)	12.52 (6.89, 21.68)

Underreporting factors for *Campylobacter* and *Salmonella*, per country, 2023



Feasibility study, DALYs



Case study (salmonellosis), scaling up, EKE Recruitment – Thank you for answering the call !



- Preparation: Evidence Dossier; recruitment
- Round 1: completed in time
- Round 2: completed with delay
(3 weeks delay - summer holiday)
- Round 3: to start 21 September 2026
(approval/confirmation round)

	Recruited	Round 1	Round 2
Country A	3	3	3
Country B	1	1	1
Country C	2	2	2
Country D	5	5	4
Country E	1	1	1
Country F	1	1	1
Country G	4	2	2
Country H	5	5	3
Country I	2	0	0
Country J	3	3	2
Country K	10	6	6
Country L	3	2	2
Country M	3	3	2
Country N	2	2	2
Country O	5	5	5
Country P	3	2	2
Country Q	1	1	1
Country R	11	6	5
Country S	2	2	2
Country T	11	10	9
Country U	2	2	1
Country V	1	1	1
Country W	2	2	2
Country X	4	3	3
Country Y	3	2	2
Country Z	10	8	7
Country A2	10	10	8
Country B2	2	1	1
TOTAL	112	91	80



Case study (salmonellosis), EKE Preliminary results – example of consensus

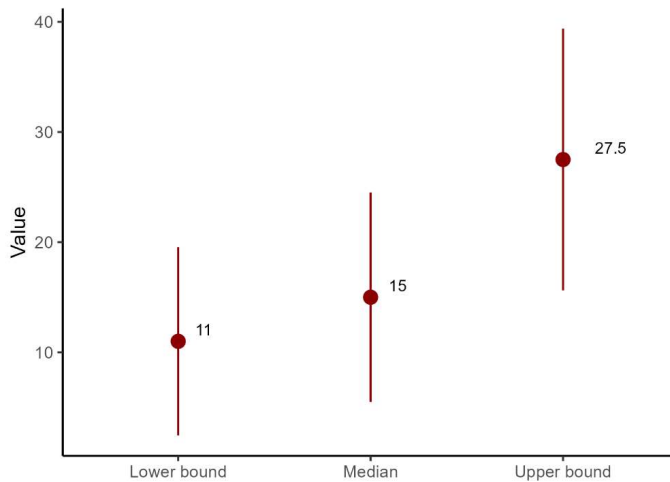


Fig1. HC seeking behaviour for mild diarrhoea in Country U (Round 1; n=2)

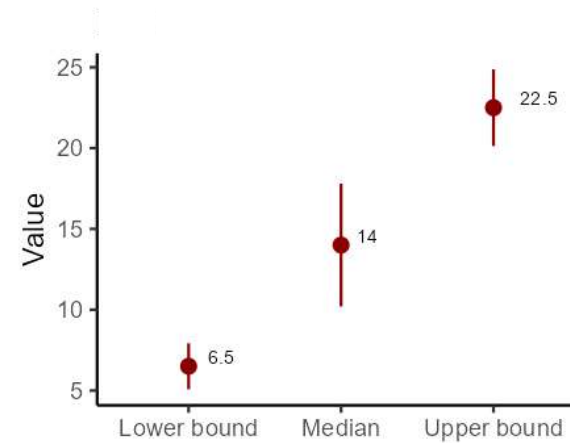


Fig2. HC seeking behaviour for mild diarrhoea in Country U (Round 2; n=2)



Communication of project results



- Accepted article on a-COI framework in journal Preventive Veterinary Medicine
- CHRO 2026 – Ho Chi Minh City, Vietnam: Oral presentation November 5th, 2026
- OH conference – Copenhagen, Denmark: poster abstract under review (overview of all diseases and countries). Deadline for abstract submission: September 15th, 2026
- Third annual project workshop, online, March 4th, 2027
- IAFP Europe – Copenhagen, Denmark: proposal symposium under review. April 2027

The project will ultimately deliver **scientific publications**, a **technical report**, validated analytical **models**, a reusable **toolkit** and **interactive data visualisations**.

Together, these outputs will provide EFSA, ECDC, the European Commission and national stakeholders with a more integrated and transparent picture of the human, animal and economic burden of zoonoses – strengthening the evidence available to inform discussions on surveillance, prevention and control across Europe.



DISCLAIMER

The work underpinning this presentation was produced under EFSA contract OC/EFSA/BIOHAW/2023/02. The views expressed do not represent an official position of EFSA or the European Union.



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