

This readme file was generated on 2025-01-14 by Fikre Zeru and provides a list and description of each file included in the dataset.

Campy_Epidemiological_Data_Result

Dataset title: "Data for: Occurrence, Risk factors and Antimicrobial resistance of *Campylobacter* from Poultry and Humans in Central Ethiopia: A One Health Approach"

Dataset identifier: <https://doi.org/10.5878/bstc-9153>

Overview: The data file Campy_Epidemiological_Data_Result contains raw data on *Campylobacter* risk factors in humans and poultry, as well as farm worker awareness of zoonotic diseases in and around Debre Berhan, Central Ethiopia, from March 2021 to March 2022. The file also includes the microbiological results of each sample, indicated in the columns as PCR_Result_Poultry (for poultry cloacal samples), PCR_Result_Human (for human stool samples), and PCR_Result_Environmental_Sample (for poultry house sock samples).

Data description and code key:

Column	Question in full, (All the questions had single-choice answers)	Code in data sheet and Code key
Questionnaire_ID	Questionnaires code, The Questionnaire_ID corresponds to the Sample_ID in the data set 'AMR_Campylobacter_Result'	
District	Districts	0=Debre Berhan town 1= Debre Berhan surrounding
Farm_Location	Farm location	0=Rural 1=Urban 2=Peri-urban
Farming_System	Farming system, Poultry farms with 100 or fewer birds, using local feed and basic management practices, were categorized as smallholder farms. Farms with more than 100 poultry, using commercial feed and good management practices, were categorized as commercial farms.	0=Small holder 1=Commercial
Type_of_poultry	Type of poultry in the farms, (mixed means both layer and broiler)	0=Broiler 1=Grower 2=Layer 3=Mixed
Flock_Size	How many poultry are in the farm? Small (1-20 poultry)	0=Small 1=Medium

	Medium (21-99 poultry) Large (100-999 poultry) Very large (1000-4000 poultry)	2=Large 3=Very large
Avilability_of_ventilation	What ventilation is available on the farm?	0=No ventilation 1=Mechanical ventilation 2=Under roof 3=Window
Disposal_of_poultry_waste	How do you dispose of poultry waste?	1=Backyard 0=Buried, burn or sell
Use_of_footbath/change-shoe	Do you use a foot bath or change shoes before entering the poultry house?	0=Yes 1=No
Rodent_and_vector_control	Do you have rodent and vector control measures in place?	0=Yes 1=No
Drinker_and_feeder_disinfection	Do you disinfect poultry drinkers and feeders?	0=Yes 1=No
All-in_all-out	Do you apply All-In/All-Out management?	0=Yes 1=No
Restricted_access_to_the_flock	Is access to the flock restricted?	0=Yes 1=No
Separate_sick_poultry	Do you isolate sick poultry from the rest?	0=Yes 1=No
Handling_of_dead_poultry	How do you handle dead poultry?	0=Burn/burried 1=Throw to the garbage nearby
Type_of_confinment	What type of confinement system do you use for the poultry?	2=Indoor part time 1=Indoor exclusively 0=Outdoor
Source_of_water	What is the source of water for the poultry?	0=Well 1=River 2=Tape water
Presence_other_spp_of_animal	What other species of animals are present on the farm?	0=No 1=Cattle 2=Pet 3=Small ruminant 4=Swine
Use_of_prophylactic_drug	Do you use prophylactic antibiotics for the poultry?	1=Yes 0=No
Interviewee_gender	Sex of the respondent	0=Female 1=Male
Interviewee_age	Age of the respondent	0=<20y 1=21-30y 2=31-50y

Marital_status	What is your marital status?	0=Single 1=Married
Level_of_education	What is your level of education?	0=Primary 1=No formal education 2=High school 3=Higher education
Occupation	What is your job or profession?	0=Professional 1= Farm attendant 2= Farm manager
Eat_undercooked_meat	Do you consume undercooked meat? (Beef and mutton)	0=No 1=Yes
Drink_raw_milk	Do you consume raw milk?	0=No 1=Yes
poultry_access_to_living_area	Do you allow poultry in food preparation and sleeping areas?	0=No 1=Yes
slaughter_animal_at_home	Do you slaughter domestic animals at home?	0=No 1=Yes
Use_of_PPE	Do you use PPE (Personal Protective Equipment) when handling poultry?	0=Yes 1=No
Wash_hand	Do you wash your hands with soap after handling live poultry and cleaning the barn?	0=Yes 1=No
Dispose_animal_wastes	How do you dispose of poultry waste?	0=Use glove 1=Bare hand 2=Using shovel
Zoonosis_awareness	Are you aware of animal diseases that can be transmitted to human and vice versa?	0=Yes 1=No
If_yes_mention	If the answer to zoonosis awareness is 'Yes,' ask the respondent to list the zoonotic diseases they know.	The listed diseases are indicated.
Campylobacter_awareness	Are you aware of <i>Campylobacter</i> and that it is a zoonotic disease? Theses was the question, however, None of the respondents were aware of <i>Campylobacter</i> . By default, the answer for the recognition of zoonotic diseases was considered No.	0=No 1=Yes
One_Health_awarness	Do you know about One Health?	0=Yes 1=No
Attitude_diarrhea_causing_agent_transmission	Do you believe diarrhea-causing agents are transmitted between humans and animals?	0=Yes 1=No
if_yes_how?	If the answer to above qusion, 'Do you believe diarrhea-causing agents are transmitted between humans and animals?' is 'Yes,' ask the respondent to list the transmission methods they know.	The listed methods of transmission are indicated

PCR_Result_Poultry	This is the microbiological investigation result: Poultry samples confirmed by multiplex PCR	0=Negative 1=Postive
PCR_Result_environmental_sample	This is the microbiological investigation result: Poultry house floor soak samples confirmed by multiplex PCR	0=Negative 1=Postive
PCR_Result_Human	This is the microbiological investigation result: Human stool specimens confirmed by multiplex PCR.	0=Negative 1=Postive