Question	Dataset name	Option code	Option
General information about the data collection			
1. Questionnaire ID	q1_ID		
2. Date of interview (YYYY-MM-DD)	q2_date		
5. District	q5_district	1	Đồng Hỷ
		2	Thái Nguyên
		3	Võ Nhai
Farm characteristics, general management routines and access to animal health services and veterinary drugs			
8. Sex of the respondent	q8_respsex	1	Female
		2	Male
9. Age of the respondent (in years)	q9_respage		
Age category	respagecategory	1	21-30
		2	31-40
		3	41-50
		4	51-60
		5	>60
10. What is the main role of the respondent on the farm? (single choice)	q10_mainrole	1	Household head
		2	Wife/husband
		3	Child
		4	Parents
		5	Grandparents
		6	Worker
		7	Other
10. Other relationship (specify)	q10_other		
11. Years of farming experience of the respondent	q11_experience		
Years of experience category	experiencecategory	1	1-10
		2	11-20
		3	21-30
		4	31-40
		5	>40
12. What is the education level of the respondent? (single choice)	q12_respedu	1	Never went to school
		2	Primary school
		3	Secondary school
		4	High school
		5	Vocational training
		6	College/university
		7	Higher education (master, PhD etc.)
		8	Other
12. Other (specify)	q12_other		
13. What is the main source of income for the household? (single choice)	q13_mainincome	1	Poultry keeping (broiler and/or layer hens)
		2	Poultry keeping (other)
		3	Livestock keeping other than poultry
		4	Crop farming
		5	Self-employment other than farming
		6	Salaried employment off farm
		7	Casual labouring
		8	I don't know
		9	Other
13. Other (specify)	q13_other		
14. What is the main reason for keeping chickens/hens? (single choice)	q14_mainreason	1	Commercial
		2	Household consumption
		3	Other
14. Other (specify)	q14_other		
15. How many different people, other than the farmer (manager or owner), work with the chickens/hens?	q15_howmanypeople		
16. Are there hired workers on the farm?	q16_hiredworkers	1	Yes
		2	No
		3	I don't know
18. Do you keep dual purpose chickens/hens (for both meat and eggs)?	q18_keepdual	1	No
		2	Yes, how many
18. Yes, how many	q18_keepdual_howmany		
19. Do you keep broiler chickens?	q19_keepbroiler	1	I have only dual purpose chickens/hens
		2	No
		3	Yes, how many
19. Yes, how many	q19_keepbroiler_howmany		
20. Do you keep layer hens?	q20_keeplayer	1	I have only dual purpose chickens/hens

		2	No
		3	Yes, how many
20. Yes, how many	q20_keeplayer_howmany		
Total number of birds (broilers/layers)	q181920_totalnr		
Number of birds categorized	totalnr_category	1	<100
		2	>100
Do you keep other species	keep_other_yn	0	No
		1	Yes
21. Do you keep other poultry species?	q21_keepotherpoultry	1	No
		2	Yes, how many
22. Do you keep pigs?	q22_keeppigs	1	No
		2	Yes, how many
23. Do you keep cattle?	q23_keepcattle	1	No
		2	Yes, how many
24. Do you keep small ruminants?	q24_keepsmallrum	1	No
		2	Yes, how many
25. Do you keep horses/donkeys?	q25_keephorsedonk	1	No
		2	Yes, how many
26. Do you keep dogs?	q26_keepdogs	1	No
		2	Yes, how many
27. Do you keep cats?	q27_keepcats	1	No
		2	Yes, how many
28. Do you keep rodents/rabbits?	q28_keeprodent	1	No
		2	Yes, how many
29. Do you keep any other animal species?	q29_keepother	1	No
		2	Yes, how many and what
30. How do you keep your dual purpose chickens/hens? (single choice)	q30_howkeepdual	1	Free range outdoors
		2	Fenced outdoors
		3	Free range indoors (housed)
		4	Caged indoors
		5	Free range outdoors during the day, housed at night
		6	Other
30. Other (specify)	q30_other		
31. How do you keep your broiler chickens? (single choice)	q31_howkeepbroiler	1	Free range outdoors
		2	Fenced outdoors
		3	Free range indoors (housed)
		4	Caged indoors
		5	Free range outdoors during the day, housed at night
		6	Other
31. Other (specify)	q31_other		
32. How do you keep your layer hens? (single choice)	q32_howkeeplayer	1	Free range outdoors
		2	Fenced outdoors
		3	Free range indoors (housed)
		4	Caged indoors
		5	Free range outdoors during the day, housed at night
		6	Other
32. Other (specify)	q32_other		
33. Do other animals at the farm have access to the areas where your chickens/hens are kept?	q33_animalsaccessatfa	1	Yes
		2	No
		3	There are no other animal species at my farm
34. If other animals at the farm have access to the areas where your chickens/hens are kept, which animals? (multiple choice) : Other poultry species	q34_atfarmaccess_othe	1	Yes
34. If other animals at the farm have access to the areas where your chickens/hens are kept, which animals? (multiple choice) : Pigs	q34_atfarmaccess_pigs	1	Yes
34. If other animals at the farm have access to the areas where your chickens/hens are kept, which animals? (multiple choice) : Cattle	q34_atfarmaccess_catt	1	Yes
34. If other animals at the farm have access to the areas where your chickens/hens are kept, which animals? (multiple choice) : Small ruminants	q34_atfarmaccess_sma	1	Yes
34. If other animals at the farm have access to the areas where your chickens/hens are kept, which animals? (multiple choice) : Horses/donkeys	q34_atfarmaccess_hors	1	Yes
34. If other animals at the farm have access to the areas where your chickens/hens are kept, which animals? (multiple choice) : Dogs	q34_atfarmaccess_dog	1	Yes
34. If other animals at the farm have access to the areas where your chickens/hens are kept, which animals? (multiple choice) : Cats	q34_atfarmaccess_cats	1	Yes
34. If other animals at the farm have access to the areas where your chickens/hens are kept, which animals? (multiple choice) : Rodents/rabbits	q34_atfarmaccess_rode	1	Yes
34. If other animals at the farm have access to the areas where your chickens/hens are kept, which animals? (multiple choice) : Other (specify)	q34_atfarmaccess_othe	1	Yes
34. Other (specify)	q34_atfarmaccess_other2		
35. Do your chickens/hens mix with animals from outside your own farm?	q35_mixoutside	1	Yes, often
		2	Yes, sometimes

		3	Rarely
		4	Never
36. From where do you most commonly buy new chickens/hens? (single choice)	q36_wherebuy	1	Other farmers
		2	Local market
		3	Breeding company
		4	Breeding farms
		5	Other
36. Other (specify)	q36_other		
37. Which type(s) of feed do you give to your chickens/hens? : Pre-mix/commercial feed	q37_feed_premix	1	Yes
37. Which type(s) of feed do you give to your chickens/hens? : Feed mixed at farm	q37_feed_mixfarm	1	Yes
37. Which type(s) of feed do you give to your chickens/hens? : Grains/crops grown at farm/locally grown	q37_feed_grains	1	Yes
37. Which type(s) of feed do you give to your chickens/hens? : Household/restaurant waste	q37_feed_waste	1	Yes
37. Which type(s) of feed do you give to your chickens/hens? : Scavenging	q37_feed_scavenging	1	Yes
37. Which type(s) of feed do you give to your chickens/hens? : Other (specify)	q37_feed_other	1	Yes
37. Other (specify)	q37_feed_other2		
38. What type of feed do you most commonly give to your chickens/hens? (single choice)	q38_mostcommonfeed	1	Pre-mix/commercial feed
		2	Feed mixed at farm
		3	Grains/crops grown at farm/locally grown
		4	Household/restaurant waste
		5	Scavenging
		6	Other
38. Other (specify)	q38_other		
39. If you use pre-mix or commercial feed, does the feed contain already added medicines?	q39_premixcontainmec	1	Yes
		2	No
		3	I don't know
		4	I never give pre-mix/commercial feed to my chickens/hens
40. If you use pre-mix or commercial feed that contains already added medicines, which medicines? (multiple choice) : Antibiotics	q40_premixcontain_an	1	Yes
40. If you use pre-mix or commercial feed that contains already added medicines, which medicines? (multiple choice) : Vitamins	q40_premixcontain_vit	1	Yes
40. If you use pre-mix or commercial feed that contains already added medicines, which medicines? (multiple choice) : Probiotics	q40_premixcontain_pro	1	Yes
40. If you use pre-mix or commercial feed that contains already added medicines, which medicines? (multiple choice) : I don't know	q40_premixcontain_do	1	Yes
40. If you use pre-mix or commercial feed that contains already added medicines, which medicines? (multiple choice) : Other (specify)	q40_premixcontain_otl	1	Yes
40. Other (specify)	q40_premixcontain_other2		
41. Do you usually add any medicines to the feed yourself before giving it to your chickens/hens?	q41_addmedicines	1	Yes
		2	No
42. If you usually add medicines to the feed before giving it to your chickens/hens, which medicines? (multiple choice) : Antibiotics	q42_addantibiotics	1	Yes
42. If you usually add medicines to the feed before giving it to your chickens/hens, which medicines? (multiple choice) : Vitamins	q42_addvitamin	1	Yes
42. If you usually add medicines to the feed before giving it to your chickens/hens, which medicines? (multiple choice) : Probiotics	q42_addprobiotic	1	Yes
42. If you usually add medicines to the feed before giving it to your chickens/hens, which medicines? (multiple choice) : I don't know	q42_adddontknow	1	Yes
42. If you usually add medicines to the feed before giving it to your chickens/hens, which medicines? (multiple choice) : Other (specify)	q42_addother	1	Yes
42. Other (specify)	q42_addother2		
43. Do you sell eggs?	q43_selleggs	1	Yes
		2	No
44. If you sell eggs, where do you mostly sell them? (single choice)	q44_selleggswhere	1	To neighbors/friends/family
		2	To grocery store
		3	To company for packing/processing
		4	At local market
		5	To collectors
		6	Other
44. Other (specify)	q44_other		
45. Do you sell live chickens/hens?	q45_selllive	1	Yes
		2	No
46. If you sell live chickens/hens, where do you mostly sell them? (single choice)	q46_selllivewhere	1	To neighbors/friends/family
		2	To grocery store
		3	To company for slaughter
		4	At local market
		5	To collectors
		6	Other
46. Other (specify)	q46_other		
47. Do you slaughter chickens/hens at the farm?	q47_slaughter	1	Yes
		2	No
48. If you slaughter chickens/hens at the farm, do you have a specific area for slaughter that is separated from live animals?	q48_slaughterarea	1	Yes
		2	No
49. Do you sell chicken/hen meat?	q49_sellmeat	1	Yes
		2	No
50. If you sell chicken/hen meat, where do you mostly sell it? (single choice)	q50_sellmeatwhere	1	To neighbors/friends/family
		2	To grocery store
		3	At local market

		4	Other
50. Other (specify)	q50_other		
51. How do you usually handle manure from your chickens/hens? (single choice)	q51_handlemanure	1	Do nothing
		2	Discard into environment
		3	Use or sell/give untreated as fertilizer
		4	Use or sell/give as fertilizer after treatment of the manure
		5	Use or sell/give as fertilizer after at least 1 month of composting
		6	Use for fuel (incl. Biogas)
		7	Other
51. Other (specify)	q51_other		
53. What do you usually do with chickens/hens that die from disease? (single choice)	q53_chickendie	1	Throw in the trash
		2	Burn/destruct
		3	Use as animal feed
		4	Bury in the ground
		5	Use for household consumption
		6	Sell at local market
		7	Sell to other farmers as animal feec
		8	Leave on the ground
		9	Other
53. Other (specify)	q53_other		
54. Do you usually empty the animal houses/areas between batches of chickens/hens (all-in/all-out system)?	q54_allinallout	1	Yes
		2	No
55. If you empty the animal houses/areas between batches (all-in/all-out system), do you remove litter, manure and clean/disinfect animals houses before the next batch?	q55_allinallout_clean	1	Yes
		2	No
56. If you do not use an all-in/all-out system, how often do you remove litter, manure and clean/disinfect animal houses/areas where the chickens/hens are kept? (single choice)	q56_noallinallout_clear	1	Once a week or more often
		2	Every second week
		3	Once a month
		4	More seldom
57. Do you have access to buying pharmaceuticals/veterinary drugs in your local community?	q57_accessdrugs	1	Yes
		2	No
58. If you have access to buying pharmaceuticals/veterinary drugs, where do you most commonly buy them for your chickens/hens? (single choice)	q58_mostcommonbuyc	1	From other farmer
		2	At markets
		3	Via a governmental veterinarian, directly or at veterinary drug shop after prescription (a piece of paper with information about the needed medicine) from the veterinarian
		4	Via a private veterinarian, directly or at veterinary drug shop after prescription from the veterinarian
		5	At a veterinary drug shop (without prior prescription)
		6	From pharmaceutical company
		7	From a feed provider
		8	Other
58. Other (specify)	q58_other		
60. If you buy veterinary medicines at a veterinary drug shop, do you usually get a prescription from a veterinarian before you go and buy them?	q60_getprescription	1	Yes
		2	No
		3	I don't buy medicines at a veterinary drug shop
61. If you buy veterinary medicines at a veterinary drug shop, does the person working there usually ask for a prescription before selling veterinary medicines to you?	q61_askprescription	1	Yes
		2	No
		3	I don't buy medicines at a veterinary drug shop
62. Is your farm a part of any farmers' association?	q62_farmassociation	1	Yes
		2	No
		3	I don't know
63. Do you have access to animal health service providers that give professional advice on how to handle and prevent diseases among your chickens/hens and help with diagnosis and treatments?	q63_accesshealthservic	1	Yes
		2	No
		3	I don't know
Do you have access to animal health service providers that give professional advice on how to handle and prevent diseases among your chickens/hens and help with diagnosis and treatments? (YES/NO onl	accesshealth_yn	1	Yes
		2	No
64. If you have access to animal health service providers, which one(s)? (multiple choice) : Governmental veterinarian	q64_whichservice_govv	1	Yes
64. If you have access to animal health service providers, which one(s)? (multiple choice) : Private veterinarian	q64_whichservice_privv	1	Yes
64. If you have access to animal health service providers, which one(s)? (multiple choice) : Veterinary drug shop worker (not veterinarian)	q64_whichservice_shop	1	Yes
64. If you have access to animal health service providers, which one(s)? (multiple choice) : Staff of drug company	q64_whichservice_drug	1	Yes
64. If you have access to animal health service providers, which one(s)? (multiple choice) : Other (specify)	q64_other	1	Yes
64. Other (specify)	q64_other2		
65. If you have access to animal health services, do you use them for treatment of disease among your chickens/hens and/or advice on disease prevention?	q65_useservice	1	Yes, mostly
		2	Sometimes
		3	No
66. If you use animal health services for treatment and advice, which animal health service provider do you most commonly use?	q66_servicemostcomm	1	Governmental veterinarian
		2	Private veterinarian
		3	Veterinary drug shop worker (not veterinarian)
		4	Staff of drug company
		5	Other
66. Other (specify)	q66_other		

68. If you have access to animal health services, does the service include laboratory testing and/or autopsies when your chickens/hens are sick?	q68_labtest	1	Yes
		2	No
		3	I don't know
69. If the animal health services include laboratory testing and/or autopsies, do you use these services?	q69_uselabtest	1	Yes, when needed
		2	Sometimes
		3	Never
71. Is your farm a part of any animal health program where you get routine monitoring and advice on the health of your chickens/hens?	q71_healthprogram_m	1	Yes
		2	No
		3	I don't know
72. Is your farm a part of any animal health program that provides vaccinations for your chickens/hens?	q72_healthprogram_va	1	Yes
		2	No
		3	I don't know
Disease issues at the farm			
73. What have been the most common disease signs among your chickens/hens in the past 12 months? (up to three options can be chosen) : Respiratory (problems with breathing/coughing/nasal discharge)	q73_commondisease_r	1	Yes
73. What have been the most common disease signs among your chickens/hens in the past 12 months? (up to three options can be chosen) : Swollen/red/runny eyes	q73_commondisease_e	1	Yes
73. What have been the most common disease signs among your chickens/hens in the past 12 months? (up to three options can be chosen) : Digestive/intestinal	q73_commondisease_d	1	Yes
73. What have been the most common disease signs among your chickens/hens in the past 12 months? (up to three options can be chosen) : Skin disease/wounds	q73_commondisease_s	1	Yes
73. What have been the most common disease signs among your chickens/hens in the past 12 months? (up to three options can be chosen) : External parasites	q73_commondisease_e	1	Yes
73. What have been the most common disease signs among your chickens/hens in the past 12 months? (up to three options can be chosen) : Lameness	q73_commondisease_l	1	Yes
73. What have been the most common disease signs among your chickens/hens in the past 12 months? (up to three options can be chosen) : Neurological	q73_commondisease_n	1	Yes
73. What have been the most common disease signs among your chickens/hens in the past 12 months? (up to three options can be chosen) : Fatigue	q73_commondisease_f	1	Yes
73. What have been the most common disease signs among your chickens/hens in the past 12 months? (up to three options can be chosen) : Weight loss	q73_commondisease_w	1	Yes
73. What have been the most common disease signs among your chickens/hens in the past 12 months? (up to three options can be chosen) : Anorexia	q73_commondisease_a	1	Yes
73. What have been the most common disease signs among your chickens/hens in the past 12 months? (up to three options can be chosen) : Sudden death	q73_commondisease_s	1	Yes
73. What have been the most common disease signs among your chickens/hens in the past 12 months? (up to three options can be chosen) : No disease issues the past 12 months	q73_commondisease_n	1	Yes
73. What have been the most common disease signs among your chickens/hens in the past 12 months? (up to three options can be chosen) : Other (specify)	q73_commondisease_o	1	Yes
73. Other (specify)	q73_commondisease_other2		
74. Have you ever experienced situations where medicines did not work when you tried to treat sick chickens/hens?	q74_medicinesnotwork	1	Yes
		2	No
75. If you have experienced that medicines did not work, which disease signs have your birds most commonly shown in those cases? (single choice)	q75_medicinesnotwork	1	Respiratory (problems with breathing/coughing/nasal discharge)
		2	Swollen/red/runny eyes
		3	Digestive/intestinal
		4	Skin disease/wounds
		5	External parasites
		6	Lameness
		7	Neurological
		8	Fatigue
		9	Weight loss
		10	Anorexia
		11	Other
75. Other (specify)	q75_other		
77. Do you keep records of disease and mortality among your chickens/hens?	q77_diseaserecord	1	Yes
		2	No
Disease prevention, disease management and treatment routines			
78. To prevent your chickens/hens from becoming sick, do you: : Fence them?	q78_prevention_fence	1	Yes
		2	No
78. To prevent your chickens/hens from becoming sick, do you: : Usually isolate/quarantine newly bought animals for some time before mixing them with the chickens/hens that are already at the farm?	q78_prevention_isolate	1	Yes
		2	No
78. To prevent your chickens/hens from becoming sick, do you: : Give them antibiotics?	q78_prevention_antibi	1	Yes
		2	No
78. To prevent your chickens/hens from becoming sick, do you: : Give them feed that is supplemented with antibiotics?	q78_prevention_suppfe	1	Yes
		2	No
78. To prevent your chickens/hens from becoming sick, do you: : Vaccinate them against any diseases?	q78_prevention_vaccin	1	Yes
		2	No
79. Against which disease(s) do you vaccinate your chickens/hens? : Newcastle disease	q79_vaccinate_newcas	1	Yes
79. Against which disease(s) do you vaccinate your chickens/hens? : Gumboro disease	q79_vaccinate_gumbor	1	Yes
79. Against which disease(s) do you vaccinate your chickens/hens? : Marek's disease	q79_vaccinate_marek	1	Yes
79. Against which disease(s) do you vaccinate your chickens/hens? : Avian influenza	q79_vaccinate_influenz	1	Yes
79. Against which disease(s) do you vaccinate your chickens/hens? : Pasteurellosis (Fowl cholera)	q79_vaccinate_pasteur	1	Yes
79. Against which disease(s) do you vaccinate your chickens/hens? : Other (specify)	q79_vaccinate_other	1	Yes
79. Other (specify)	q79_vaccinate_other2		
80. Do you: : Wash your hands before entering the areas where your animals are kept?	q80_prevention_washb	1	Yes
		2	No
80. Do you: : Wash your hands after visiting the areas where your animals are kept?	q80_prevention_washa	1	Yes
		2	No
80. Do you: : Have separate footwear (e.g. gum boots) or plastic boot covers that you use only in the areas where your chickens/hens are kept?	q80_prevention_footw	1	Yes
		2	No
81. Do you give your chickens/hens antibiotics to make them grow faster and/or better?	q81_antibioticsgrow	1	Yes

		2	No
82. Do you give your hens antibiotics to make them lay more eggs?	q82_antibioticsmoreeg	1	Yes
		2	No
		3	I don't keep layer hens
83. Who will usually diagnose disease among the chickens/hens at the farm? (single choice)	q83_whodiagnose	1	Myself
		2	Governmental veterinarian
		3	Private veterinarian
		4	Veterinary drug shop worker (not veterinarian)
		5	Human doctor
		6	Other farmer
		7	Friend/family member
		8	Other
83. Other (specify)	q83_other		
84. What do you usually do first when the chickens/hens at your farm get sick? (single choice)	q84_dofirstwhensick	1	Nothing
		2	Give them medicine(s) from a veterinary drug shop/market
		3	Give them traditional medicine/vitamins/herbs
		4	Give them medicine(s) that was left by a veterinarian at a previous visit
		5	Consult a governmental veterinarian
		6	Consult a private veterinarian
		7	Other
84. Other (specify)	q84_other		
85. Do you usually isolate chickens/hens that become sick from the rest of the poultry in the flock?	q85_isolatesick	1	Yes
		2	No
86. When you use antibiotics to treat disease among your chickens/hens, which animals do you usually treat? (single choice)	q86_animalstreated	1	All poultry at the farm
		2	All chickens/hens at the farm
		3	Only the chickens/hens that are sick
		4	All chickens/hens that are sick and all animals in contact with the sick chickens/hens
		5	All animals at the farm
		6	I never use antibiotics to treat my chickens/hens
87. From where do you usually get advice on when to use antibiotics for your chickens/hens? (single choice)	q87_antibioticadvicewh	1	I don’t get advice, I use my own judgement
		2	From other farmers
		3	From veterinary drug shop worker (not veterinarian)
		4	From package/label of the medicine
		5	From a governmental veterinarian
		6	From a private veterinarian
		7	From market sales person
		8	From human doctor
		9	From feed provider
		10	From friends/family
		11	I never use antibiotics to treat my chickens/hens
		12	Other
87. Other (specify)	q87_other		
88. When you use antibiotics to treat disease among your chickens/hens, for how long do you usually treat them? (single choice)	q88_treathowlong	1	Until animal(s) cured
		2	Until animal(s) begin to recover
		3	As advised by a governmental veterinarian
		4	As advised by a private veterinarian
		5	As advised by other (e.g. sales person, other farmer, family/friends, human doctor)
		6	As instructed on the package/label of the medicine
		7	Until package is empty
		8	One treatment only
		9	I never use antibiotics to treat my chickens/hens
		10	Other
88. Other (specify)	q88_other		
89. When treating your chickens/hens with antibiotics, whose instructions do you usually follow on how to use them (dose, treatment length, administration route etc.)? (single choice)	q89_antibioticadviceho	1	I don’t get advice, I use my own judgement
		2	Other farmers'
		3	A veterinary drug shop worker's (not veterinarian)
		4	The instructions on the pakcage/label of the medicine
		5	A governmental veterinarian's
		6	A private veterinarian's
		7	A market sales person's
		8	A human doctor's
		9	A feed provider's
		10	Friends'/family's
		11	I never use antibiotics to treat my chickens/hens
		12	Other
89. Other’s (specify)	q89_other		
90. When you use antibiotics to treat disease among chickens/hens, who usually administers the drug? (single choice)	q90_whoadminister	1	Myself, by own experience
		2	Myself, after instructions from a governmental veterinarian
		3	Myself, after instructions from a private veterinarian
		4	Governmental veterinarian
		5	Private veterinarian
		6	I never use antibiotics to treat my chickens/hens
		7	Other
90. Other (specify)	q90_other		

91. Do you ever give a higher dose of antibiotics than the recommended to your chickens/hens?	q91_higherdose	1	Yes
		2	No
		3	I never use antibiotics to treat my chickens/hens
92. Do you ever give a lower dose of antibiotics than the recommended to your chickens/hens?	q92_lowerdose	1	Yes
		2	No
		3	I never use antibiotics to treat my chickens/hens
93. Do you ever stop giving your chickens/hens antibiotics earlier than recommended if they seem healthy?	q93_stopgiving	1	Yes
		2	No
		3	I never use antibiotics to treat my chickens/hens
94. If the antibiotic treatment of sick chickens/hens is not effective or does not work, what do you usually do? (single choice)	q94_whennoteffective	1	Increase the dose
		2	Switch to another antibiotic or combine the ongoing treatment with another antibiotic
		3	Switch to other type of medicine
		4	Switch to herbal/traditional medicine
		5	Go back to the veterinary drug shop for advice (from non-veterinarian)
		6	Contact governmental veterinarian
		7	Contact private veterinarian
		8	Contact other person (not veterinarian) for advice
		9	Slaughter the sick animal(s) for meat
		10	Euthanize the sick animal(s)
		11	Nothing
		12	I have never experienced that antibiotic treatment is not effective or does not work
		13	I never use antibiotics to treat my chickens/hens
		14	Other
94. Other (specify)	q94_other		
95. What do you usually do with expired/leftover veterinary antibiotics? (single choice)	q95_leftover	1	Throw in the trash/latrine
		2	Keep for later use
		3	Give to other farmer
		4	Leave to pharmacy/veterinary drug shop
		5	I never use antibiotics on my farm
		6	Other
95. Other (specify)	q95_other		
96. Does it happen that you give human medicines to your chickens/hens when they become sick?	q96_humanmedicine	1	Yes, often
		2	Sometimes
		3	No
97. Do you keep records of the use of medicines for the chickens/hens at your farm (e.g. treatment dates, name of medicine, dose)?	q97_medicinerecord	1	Yes
		2	No
Knowledge about antibiotics and antibiotic use			
98. What are antibiotics supposed to be used for? (single choice)	q98_supposeduse	1	Prevent animals from becoming sick
		2	Treat sick animals
		3	Make animals grow faster/better
		4	Prevent animals from becoming sick and make animals grow faster/better
		5	Prevent animals from becoming sick and treat sick animals
		6	Treat sick animals and make animals grow faster/better
		7	Prevent animals from becoming sick, treat sick animals and to make animals grow faster/better
99. Do you think that the following statements true or false? : Antibiotics can treat all kinds of diseases	q99_truefalse_alldiseas	1	TRUE
		2	FALSE
		3	Cannot answer
99. Do you think that the following statements true or false? : Antibiotics can treat diseases caused by viruses	q99_truefalse_viraldise	1	TRUE
		2	FALSE
		3	Cannot answer
99. Do you think that the following statements true or false? : Antibiotics can treat diseases caused by bacteria	q99_truefalse_bacteria	1	TRUE
		2	FALSE
		3	Cannot answer
99. Do you think that the following statements true or false? : Antibiotics are the same as anti-inflammatory drugs	q99_truefalse_antiinfla	1	TRUE
		2	FALSE
		3	Cannot answer
99. Do you think that the following statements true or false? : Different types of antibiotics are needed for different diseases	q99_truefalse_differen	1	TRUE
		2	FALSE
		3	Cannot answer
99. Do you think that the following statements true or false? : As a general rule, you should stop treatment with antibiotics when the animal's condition starts to improve	q99_truefalse_stoptrea	1	TRUE
		2	FALSE
		3	Cannot answer
99. Do you think that the following statements true or false? : Using antibiotics too often can make diseases difficult to treat in the future	q99_truefalse_toooftem	1	TRUE
		2	FALSE
		3	Cannot answer
99. Do you think that the following statements true or false? : Animals can become resistant to antibiotics if antibiotics are used in the wrong way/too often	q99_truefalse_animals	1	TRUE
		2	FALSE
		3	Cannot answer
99. Do you think that the following statements true or false? : Bacteria that cause disease can become resistant to antibiotics if used in the wrong way/too often	q99_truefalse_bacteria	1	TRUE

		2	FALSE
		3	Cannot answer
99. Do you think that the following statements true or false? : Viruses that cause disease can become resistant to antibiotics if used in the wrong way/too often	q99_truefalse_virusresi	1	TRUE
		2	FALSE
		3	Cannot answer
99. Do you think that the following statements true or false? : Resistance against antibiotics can make it more difficult to succeed with antibiotic treatment in animals when they get sick	q99_truefalse_succeed	1	TRUE
		2	FALSE
		3	Cannot answer
99. Do you think that the following statements true or false? : Bacteria resistant to antibiotics can spread from one animal to another	q99_truefalse_spreada	1	TRUE
		2	FALSE
		3	Cannot answer
99. Do you think that the following statements true or false? : Bacteria resistant to antibiotics can spread between animals and humans	q99_truefalse_spreadh	1	TRUE
		2	FALSE
		3	Cannot answer
99. Do you think that the following statements true or false? : Bacteria resistant to antibiotics can spread from animals to humans through animal source foods, e.g. meat	q99_truefalse_asf	1	TRUE
		2	FALSE
		3	Cannot answer
99. Do you think that the following statements true or false? : Bacteria resistant to antibiotics can spread through manure from animals	q99_truefalse_manure	1	TRUE
		2	FALSE
		3	Cannot answer
99. Do you think that the following statements true or false? : Using too much antibiotics in animals can make it more difficult to treat some diseases in humans	q99_truefalse_diseaseh	1	TRUE
		2	FALSE
		3	Cannot answer
99. Do you think that the following statements true or false? : Antibiotic resistance in human bacteria is only linked to the use of antibiotics in humans and not in animals	q99_truefalse_usehum	1	TRUE
		2	FALSE
		3	Cannot answer