

NAHMS ID: _____



Animal and
Plant Health
Inspection
Service

Veterinary
Services

Veterinary Services Antibiotic Use Questionnaire for Weaned Market Pigs 2017

National Animal Health
Monitoring System

2150 Centre Ave Bldg B
Fort Collins, CO 80526

Form Approved
OMB Number 0579-0462
Approval expires:
4/30/2020

Beginning time (military)..... _____

State FIPS: _____ 2 digits	Operation #: _____ 4 digits	Site #: _____ 2 digits	Interviewer: _____ Initials	Date: ____/____/____ mm/dd/yy
-------------------------------	--------------------------------	---------------------------	--------------------------------	----------------------------------

Introduction

We would like to ask you some questions about the hogs and pigs, regardless of ownership, on the land you operate. To understand important issues in the hog industry, we need to obtain information about the health management of your hogs. **Unless otherwise noted, all questions refer to the period from July 1 through December 31, 2016.** You may find it easier to answer some of the questions if you have your records available.

The information you provide will be used for statistical purposes only. In accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws, your responses will be kept **confidential** and will not be disclosed in identifiable form to anyone other than employees or agents. By law, every USDA employee or agent associated with this data collection has taken an oath and is subject to a jail term, a fine, or both, if he or she willfully discloses ANY identifiable information about you or your operation.

Your response to each question is **voluntary**.

Please make corrections to names, address, and Zip code, if necessary.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0462. The time required to complete this information collection is estimated to average 1.0 hour per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collected.

**NAHMS-382
MAY 2017**

Section A—Site Inventory

1. Of the total hogs and pigs on this site on December 1, 2016, how many were:
 - a. Sows and gilts, either bred or unmated, intended for breeding? p101 _____ #
 - b. Suckling pigs? p102 _____ #
 - c. Boars and young males for breeding, including teaser boars? p103 _____ #
 - d. Cull sows, gilts, and boars? p104 _____ #
 - e. Weaned market hogs under 60 pounds? p105 _____ #
 - f. Market hogs 60 pounds and over, excluding cull cows, gilts, and boars? p106 _____ #
 - g. Total p107 _____ #

➔ NOTE: If the interviewee has electronic or paper records from 2016 that would assist this process, ask him/her to bring them out now.

Section B—Nursery-age Pigs

Nursery-age pigs are weaned market hogs weighing approximately under 60 pounds. They may be housed in either a nursery unit or a wean-to-finish unit.

1. From July 1 through December 31, 2016, how many pigs entered the **nursery** phase on this site? *[Include pigs weaned on this site, purchased, and moved from other facilities.]*..... p201 _____ #

[If question 1 = 0, SKIP to question 4.]

2. Of pigs that entered the nursery phase in Item 1, how many died while in the nursery phase, prior to December 31? p202 _____ #
3. In number of days, what was the **average age** of the pigs when they:
 - a. Entered the **nursery** phase? p203 _____ #
 - b. Left the **nursery** phase? p204 _____ #
4. From July 1 through December 31, 2016, how many nursery-age pigs entered a **wean-to-finish** phase on this site? *[Include pigs weaned on this site, purchased, and moved from other facilities.]*..... p205 _____ #

[If questions 1 AND 4 both equal 0, SKIP to section C. If question 4 = 0, SKIP to question 8.]

5. Of pigs that entered the wean-to-finish phase, how many died while they were of nursery age? p206 _____ #
6. In number of days, what was the **average age** of (question 4) pigs when they:
 - a. Entered the **wean-to-finish** phase? p207 _____ #
 - b. Left the **wean-to-finish** phase? p208 _____ #
7. Add the numbers from questions 1 and 4: p209 _____ #

NAHMS ID: _____

8. From July 1 through December 31, 2016, were any antibiotics given by **water** for any reason to **nursery-age** pigs?.....p210 1 Yes 3 No

[If question 8 = No, SKIP to question 11.]

Primary reason codes for question 9	
1 = Prevention, control, or treatment of bacterial pneumonia (respiratory disease)	4 = Prevention, control, or treatment of cervical lymphadenitis (jowl abscesses)
2 = Prevention, control, or treatment of bacterial enteritis, swine dysentery, ileitis, or other enteric (intestinal or GI) diseases (diarrheal diseases)	5 = Prevention, control, or treatment of meningitis/polyserositis/arthritis
3 = Prevention, control, or treatment of atrophic rhinitis	6 = Other disease prevention, control, or treatment (specify disease: _____) p211oth

9. For any antibiotics given by **water** to nursery-age pigs that entered the nursery phase or the wean-to-finish phase (from section B, question 7) from July 1 through December 31, 2016, enter the primary reason given [enter code from the previous list], the percentage of **nursery age** pigs that received the antibiotic, and the total number of days **antibiotic** was given in the water.

	Active ingredient	Example trade names	Primary reason code	Percent of nursery pigs from section B, question 7 that received this product during 2016	Total days in water per group
a.	Bacitracin methylene disalicylate	BMD® soluble, solutracin	p211	p233	p255
b.	Bacitracin zinc	Baciferm® soluble	p212	p234	p256
c.	Chlortetracycline	Aureomycin soluble powder, Chlortet-Soluble-O, Chloronex® soluble	p213	p235	p257
d.	Chlortetracycline/sulphamethazine	Chloronex® Sulmet® soluble powder, Aureo sulfa soluble powder	p214	p236	p258
e.	Florfenicol	Nuflor® concentrate solution, Florvio™ 2.3% concentration solution	p215	p237	p259
f.	Gentamicin	Garacin® oral solution, Gentocin® oral solution, Gentoral®, GentaMed™ soluble powder	p216	p238	p260
g.	Lincomycin	LinxMed-SP®, Linco soluble, Lincosol soluble powder, Lincomix® soluble powder	p217	p239	p261
h.	Lincomycin/spectinomycin	L-S 50 Water soluble® powder, SpecLinx-50®	p218	p240	p262
i.	Neomycin	Neosol, Neomix® soluble powder, Biosol® Liquid, Neo-Sol 50®, Neo 200 oral solution, Neomycin oral solution	p219	p241	p263
j.	Oxytetracycline	Terramycin® soluble powder, Oxytet® soluble, Tetroxy®	p220	p242	p264
k.	Penicillin G	PenAqua Sol G®, Solu-Pen	p221	p243	p265
l.	Spectinomycin	Spectam®, Spectogard Scour-Chek™, Spectinomycin oral liquid	p222	p244	p266

NAHMS ID: _____

m.	Sulfachlorpyridazine	Vetisulid®, Prinzone oral suspension, Pyradan oral suspension	p223	p245	p267
n.	Sulfadimethoxine	Albon® oral suspension, Agribon soluble powder, Sulfasol®, Sulforal®, Di-Methox soluble powder	p224	p246	p268
o.	Sulfamethazine	Sulmet®, Purina® sulfa, SMZ-Med™ 454 soluble powder	p225	p247	p269
p.	Sulfaquinoxaline	S.Q. 20% Solution, Sul-Q-Nox, Sulfanox liquid, Sulquin®	p226	p248	p270
q.	Tetracycline	Tet-Sol® 324, Duramycin-10, Polyotic®, Tetra-Bac 324 soluble powder	p227	p249	p271
r.	Tiamulin	Denagard® liquid concentrate, TiaGard™, Triamulux™	p228	p250	p272
s.	Tilmicosin	Pulmotil® AC	p229	p251	p273
t.	Tylosin	Tylan® soluble, Tylovet® soluble	p230	p252	p274
u.	Tylvalosin	Avlosin®	p231	p253	p275
v.	Other antibiotics (specify: _____) p232oth		p232	p254	p276

10. Who among the following contributed to completing question 9?

[Check all that apply.]

- Independent producer/owner of operation p277
- Farm manager, not a contractee for company p278
- Company veterinarian p279
- Private or other veterinarian p280
- Employee of feed mill supplying feed p281
- Company nutritionist or other nutritionist p282
- Other (specify: _____) p283oth p283

11. From July 1 through December 31, 2016, were any antibiotics given

by **feed** to nursery-age pigs?.....p284

1 Yes 3 No

[If question 11 = No, SKIP to section C.]

Primary reason codes for question 12	
1 = Prevention, control, or treatment of bacterial pneumonia (respiratory disease)	4 = Prevention, control, or treatment of cervical lymphadenitis (jowl abscesses)
2 = Prevention, control, or treatment of bacterial enteritis, swine dysentery, ileitis, or other enteric (intestinal or GI) diseases (diarrheal diseases)	5 = Increased rate of gain and improved feed efficiency (growth promotion)
3 = Prevention, control, or treatment of atrophic rhinitis	6 = Other disease prevention, control, or treatment (specify disease: _____) p285oth

12. For any antibiotics given by **feed** to nursery-age pigs that entered the nursery phase or the wean-to-finish phase (from Section B, Question 7) from July 1 through December 31, 2016, enter the primary reason given [*enter code from the previous list*], the percentage of **nursery age** pigs that received the antibiotic, and the **average** number of **days** antibiotic was given.

	Active ingredient	Example trade name	Primary reason code	Percent of nursery pigs from section B, question 7 that received this product during 2016	Average age of pigs (in days) when product was first added to feed	Total days in feed per group
a.	Avilamycin	Kavault®	p285	p308	p331	p354
b.	Bacitracin methylene disalicylate	BMD®	p286	p309	p332	p355
c.	Bacitracin methylene disalicylate/ Chlortetracycline	BMD®/ Aureomycin®	p287	p310	p333	p356
d.	Bacitracin zinc	Albac®, Baciferm®,	p288	p311	p334	p357
e.	Bambermycin	Flavomycin®	p289	p312	p335	p358
f.	Carbadox	Mecadox	p290	p313	p336	p359
g.	Carbadox/ oxytetracycline	Mecadox®/ Terramycin®	p291	p314	p337	p360
h.	Chlortetracycline	Aureomycin®, ChlorMax™, Pfichlor™, CLTC, Pennchlor™, Chloratet™	p292	p315	p338	p361
i.	Chlortetracycline/ sulfamethazine	Aureomix® S	p293	p316	p339	p362
j.	Chlortetracycline/ tiamulin	Denagard® Plus CTC®, Pennchlor™/ Denagard®	p294	p317	p340	p363
k.	Chlortetracycline/ sulfathiazole/ penicillin	CSP™ 250, CSP™ 500	p295	p318	p341	p364
l.	Chlortetracycline/ sulfamethazine/penicillin	ChlorMax™-SP, Pennchlor SP	p296	p319	p342	p365
m.	Florfenicol	Nuflor®	p297	p320	p343	p366
n.	Lincomycin	Lincomix®	p298	p321	p344	p367
o.	Narasin	Skycis®	p299	p322	p345	p368
p.	Neomycin/terramycin	Neo-Oxy 100/100®, Neo- Terramycin	p300	p323	p346	p369

NAHMS ID: _____

q.	Oxytetracycline	Terramycin®, OXTC®, TM-50®, TM-100®, Pennox™	p301	p324	p347	p370
r.	Tiamulin	Denagard®	p302	p325	p348	p371
s.	Tilmicosin	Pulmotil® 90, Tilmovet® 90	p303	p326	p349	p372
t.	Tylosin	Tylan®, Tylovet®	p304	p327	p350	p373
u.	Tylosin/sulfamethazine	Tylan® Sulfa-G	p305	p328	p351	p374
	Tylvalosin	Avlosin® 17%	p306	p329	p352	p375
v.	Virginiamycin	Stafac®	p307	p330	p353	p376

13. Who among the following contributed to answering question 12?
[Check all that apply.]

- Independent producer / owner of operation p377
- Farm manager, not a contractee for a company p378
- Company veterinarian p379
- Private or other veterinarian p380
- Employee of feed mill supplying feed p381
- Company nutritionist or other nutritionist p382
- Other (specify: _____) p383oth p383

Section C—Grower/Finisher-age Pigs

Grower/finisher-age pigs are weaned market hogs weighing approximately 60 or more pounds. These pigs may be housed in either a grower/finisher unit or a wean-to-finish unit.

1. From July 1 through December 31, 2016, how many finisher hogs were marketed from this site? p401 _____ #

[If question 1 = 0, SKIP to section D.]

2. How many **grower/finisher age pigs died** between July 1 and December 31, 2016? p402 #

3. For grower-finisher-age pigs not in a wean-to-finish unit, what was the **average age** of the pigs when they:

- a. Entered the grower/finisher phase? p403 _____ #
- b. Left the grower/finisher phase? p404 _____ #

4. Were any antibiotics given by **water** for any reason to **grower/finisher-age** pigs that were marketed between July 1 and December 31, 2016? p405 1 Yes 3 No

[If question 4 = No, SKIP to question 6.]

Primary reason codes for question 5	
1 = Prevention, control, or treatment of bacterial pneumonia (respiratory disease)	4 = Prevention, control, or treatment of cervical lymphadenitis (jowl abscesses)
2 = Prevention, control, or treatment of bacterial enteritis, swine dysentery, ileitis, or other enteric (intestinal or GI) diseases (diarrheal diseases)	5 = Prevention, control, or treatment of meningitis/polyserositis/arthritis
3 = Prevention, control, or treatment of atrophic rhinitis	6 = Other disease prevention, control, or treatment (specify disease: _____) p406oth

5. For hogs marketed from July 1 through December 31, 2016, (section C., question 1), if any antibiotics were given by **water** to these pigs, enter the reason given [*enter code from previous list*], the percentage of **grower/finisher age** pigs that received the antibiotic, and the **average** number of **days** antibiotic was given in water.

	Active ingredient	Example trade names	Primary reason code	Percent of grower/finisher pigs from section C, question 1 that received this product during 2016	Average days in water per group
a.	Bacitracin methylene disalicylate	BMD® soluble, Solu-tracin	p406	p428	p450
b.	Bacitracin zinc	Baciferin® soluble	p407	p429	p451
c.	Chlortetracycline	Aureomycin soluble powder, Chlortet-Soluble-O, Chloronex® soluble	p408	p430	p452
d.	Chlortetracycline/sulphamethazine	Chloronex® Sulmet® soluble powder, Aureo Sulfa soluble powder	p409	p431	p453
e.	Florfenicol	Nuflor® concentrate solution, Florvio™ 2.3% concentration solution	p410	p432	p454
f.	Gentamicin	Garacin® oral solution, Gentocin® oral solution, Gentoral®, GentaMed™ soluble powder	p411	p433	p455
g.	Lincomycin	LinxMed-SP®, Linco soluble, Lincosol soluble powder, Lincomix® soluble powder	p412	p434	p456
h.	Lincomycin/spectinomycin	L-S 50 water soluble® powder, SpecLinx-50®	p413	p435	p457
i.	Neomycin	Neosol, Neomix® soluble powder, Biosol® Liquid, Neo-Sol 50®, Neo 200 oral solution, Neomycin oral solution	p414	p436	p458
j.	Oxytetracycline	Terramycin® soluble powder, Oxytet® soluble, Tetroxy®	p415	p437	p459
k.	Penicillin G	PenAqua Sol G®, Solu-Pen	p416	p438	p460
l.	Spectinomycin	Spectam®, Spectogard Scour-Chek™, Spectinomycin oral liquid	p417	p439	p461
m.	Sulfachlorpyridazine	Vetisulid®, Prinzone oral suspension, Pyradan oral suspension	p418	p440	p462
n.	Sulfadimethoxine	Albon® oral suspension, Agribon soluble powder, Sulfasol®, Sulforal®, Di-Methox soluble powder	p419	p441	p463

NAHMS ID: _____

o.	Sulfamethazine	Sulmet®, Purina® Sulfa, SMZ-Med™ 454 soluble powder	p420	p442	p464
p.	Sulfaquinoxaline	S.Q. 20% solution, Sul-Q-Nox, Sulfa-nox liquid, Sulquin®	p421	p443	p465
q.	Tetracycline	Tet-Sol® 324, Duramycin-10, Polyotic®, Tetra-Bac 324 soluble powder	p422	p444	p466
r.	Tiamulin	Denagard® liquid concentrate, TiaGard™, Triamulux™	p423	p445	p467
s.	Tilmicosin	Pulmotil® AC	p424	p446	p468
t.	Tylosin	Tylan® Soluble, Tylovet® soluble	p425	p447	p469
u.	Tylvalosin	Avlosin®	p426	p448	p470
v.	Other antibiotics (specify: _____) p427oth		p427	p449	p471

6. Who among the following contributed to answering question 5?
[Check all that apply.]

- Independent producer / owner of operation p472
- Farm manager on site, not a contractee for a company p473
- Company veterinarian p474
- Private or other veterinarian p475
- Employee of feed mill supplying feed p476
- Company nutritionist or other nutritionist p477
- Other (specify: _____) p478oth p478

7. Were any antibiotics given by **feed** to **grower/finisher-age** pigs marketed between July 1 and December 31, 2016 ?p479 ₁ Yes ₃ No

[If question 7 = No, SKIP to section D.]

Primary reason codes for question 8	
1 = Prevention, control, or treatment of bacterial pneumonia (respiratory disease)	4 = Prevention, control, or treatment of cervical lymphadenitis (jowl abscesses)
2 = Prevention, control, or treatment of bacterial enteritis, swine dysentery, ileitis, or other enteric (intestinal or GI) diseases (diarrheal diseases)	5 = Increased rate of gain and improved feed efficiency (growth promotion)
3 = Prevention, control, or treatment of atrophic rhinitis	6 = Other disease prevention, control, or treatment (specify disease: _____) p480oth

8. For hogs marketed from July 1 through December 31, 2016, (section C, question 1), if any antibiotics were given by **feed** to these pigs, enter the reason given [enter code from previous list], the percentage of **grower-finisher age** pigs that received the antibiotic, and the **average** number of **days** the antibiotic was given.

	Active ingredient	Example trade name	Primary reason code	Percent of grower/finisher pigs from section C, question 1 that received this product during 2016	Average age of pigs (in days) when product was first added to feed	Total days in feed per group
a.	Avilamycin	Kavault®	p480	p503	p526	p549
b.	Bacitracin methylene disalicylate	BMD®	p481	p504	p527	p550
c.	Bacitracin methylene disalicylate/ chlortetracycline	BMD®/ Aureomycin®	p482	p505	p528	p551
d.	Bacitracin zinc	Albac®, Baciferm®,	p483	p506	p529	p552
e.	Bambermycin	Flavomycin®	p484	p507	p530	p553
f.	Carbadox	Mecadox	p485	p508	p531	p554
g.	Carbadox/ oxytetracycline	Mecadox®/ Terramycin®	p486	p509	p532	p555
h.	Chlortetracycline	Aureomycin®, ChlorMax™, Pfichlor™, CLTC, Pennchlor™, Chloratet™	p487	p510	p533	p556
i.	Chlortetracycline/ sulfamethazine	Aureomix® S	p488	p511	p534	p557
j.	Chlortetracycline/ tiamulin	Denagard® Plus CTC®, Pennchlor™/ Denagard®	p489	p512	p535	p558
k.	Chlortetracycline/ sulfathiazole/ penicillin	CSP™ 250, CSP™ 500	p490	p513	p536	p559
l.	Chlortetracycline/ sulfamethazine/penicillin	ChlorMax™-SP, Pennchlor SP	p491	p514	p537	p560
m.	Florfenicol	Nuflor®	p492	p515	p538	p561
n.	Lincomycin	Lincomix®	p493	p516	p539	p562
o.	Narasin	Skycis®	p494	p517	p540	p563

NAHMS ID: _____

p.	Neomycin/terramycin	Neo-Oxy 100/100®, Neo-Terramycin	p495	p518	p541	p564
q.	Oxytetracycline	Terramycin®, OXTC®, TM-50®, TM-100®, Pennox™	p496	p519	p542	p565
r.	Tiamulin	Denagard®	p497	p520	p543	p566
s.	Tilmicosin	Pulmotil® 90, Tilmovet® 90	p498	p521	p544	p567
t.	Tylosin	Tylan®, Tylovet®	p499	p522	p545	p568
u.	Tylosin/sulfamethazine	Tylan® Sulfa-G	p500	p523	p546	p569
	Tylvalosin	Avlosin® 17%	p501	p524	p547	p570
v.	Virginiamycin	Stafac®	p502	p525	p548	p571

9. Who among the following contributed to answering question 8?
[Check all that apply.]

- Independent producer / owner of operation p572
- Farm manager on site, not a contractee for company p573
- Company veterinarian p574
- Private or other veterinarian p575
- Employee of feed mill supplying feed p576
- Company nutritionist or other nutritionist p577
- Other (specify: _____) p578oth p578

Section D—Stewardship

It is preferable for the producer or site manager to answer the questions in this section. The company veterinarian or site veterinarian should not be needed for this section.

1. From July 1 through December 31, 2016, were any nursery or grower/finisher pigs administered antibiotics in **water**?p601 ₁ Yes ₃ No

[If question 1 = No, SKIP to question 5.]

2. Who decided **when** antibiotics were to be used in **water** on this site? (If a veterinarian provided a protocol to be followed for this operation, select one of the veterinarian options below.)
[Check all that apply.]

- Owner of operation p602
- Farm manager on site, but not the owner p603
- Local veterinary practitioner p604
- Consulting or second-opinion veterinarian p605
- Company veterinarian p606
- Company nutritionist or other nutritionist p607
- Service manager who oversees more than one operation p608
- Other (specify: _____) p609oth p609

NAHMS ID: _____

3. Who decided **which** specific antibiotics were to be used in **water** on this site? (If a veterinarian provided a protocol to be followed for this operation, select one of the veterinarian options below.)
[Check all that apply.]

- Owner of operation p610
- Farm manager on site, but not the owner p611
- Local veterinary practitioner p612
- Consulting or second-opinion veterinarian p613
- Company veterinarian p614
- Company nutritionist or other nutritionist p615
- Service manager who oversees more than one operation p616
- Other (specify: _____) p617oth p617

4. From July 1 through December 31, 2016, how frequently was the following information about antibiotic use in water recorded (via handwritten records or records entered into a computer)?
[Place one X per row in the appropriate column below.]

	Never	Sometimes	Always	
a. Date antibiotic use began				p618
b. Date antibiotic use ended				p619
c. Antibiotic used				p620
d. Treatment withdrawal period				p621

5. From July 1 through December 31, 2016, were any nursery or grower/finisher pigs administered antibiotics in **feed**?p622 ₁ Yes ₃ No

[If question 5 = No, SKIP to question 10.]

6. Who decided **when** antibiotics were to be used in **feed** on this site? (If a veterinarian provided a protocol to be followed for this operation, select one of the veterinarian options below.)
[Check all that apply.]

- Owner of operation p623
- Farm manager on site, but not the owner p624
- Local veterinary practitioner p625
- Consulting or second-opinion veterinarian p626
- Company veterinarian p627
- Company nutritionist or other nutritionist p628
- Service manager who oversees more than one operation p629
- Other (specify: _____) p630oth p630

NAHMS ID: _____

7. Who decided **which** specific antibiotics were to be used in **feed** on this site? (If a veterinarian provided a protocol to be followed for this operation, select one of the veterinarian options below.)
[Check all that apply.]

- Owner of operation p631
- Farm manager on site, but not the owner p632
- Local veterinary practitioner p633
- Consulting or second-opinion veterinarian p634
- Company veterinarian p635
- Company nutritionist or other nutritionist p636
- Service manager who oversees more than one operation p637
- Other (specify: _____) p638oth p638

8. From July 1 through December 31, 2016, how frequently was the following information about antibiotics used in **feed** recorded (via handwritten records or records entered into a computer)? These records can be kept for an individual pen or for an entire barn. If you raise pigs for a company, and you do not keep records on antibiotics in feed but know the company keeps these records at the feed mill or elsewhere, mark the rows according to the company records below.
[Place one X per row in the appropriate column below.]

	Never	Sometimes	Always	
a. Date antibiotic use began				p639
b. Date antibiotic use ended				p640
c. Antibiotic used				p641
d. Treatment withdrawal period				p642

9. Did you obtain medicated feed to be fed to pigs on this site by any of the following methods?

- a. Company supplied and delivered feed?p643 ₁ Yes ₃ No ₄ DK
- b. From an off-site, privately owned or cooperatively owned feed mill that delivered feed with antibiotics mixed in?p644 ₁ Yes ₃ No ₄ DK
- c. Type A medicated articles were delivered or brought to this operation to be mixed into feed on-site?p645 ₁ Yes ₃ No ₄ DK
- d. Type B or C medicated feeds were delivered or brought to this operation to be fed or mixed in a ration on-site?p646 ₁ Yes ₃ No ₄ DK

10. From July 1 through December 31, 2016, were any nursery or grower/finisher pigs treated with **injectable** antibiotics?p647 ₁ Yes ₃ No

[If question 10 = No, SKIP to question 12.]

NAHMS ID: _____

11. From July 1 through December 31, 2016, how frequently was the following information recorded (via handwritten records or records entered into a computer) when **individual sick** animals were treated with **injectable** antibiotics? These records can be kept at the individual pig level, if pigs have ear tags or other identification. These records can also be kept at the pen (e.g., pen cards) or barn level when individual pigs within the pen or barn receive treatment.

[Place one X per row in the appropriate column below.]

	Never	Sometimes	Always	
a. Date treated				p648
b. Antibiotic given				p649
c. Treatment withdrawal period				p650

12. Were any individuals who work on this site Pork Quality Assurance Plus (PQA Plus) certified? p651. 1 Yes 3 No 4 DK

13. Has this site ever (not just in the last 6 months of 2016) had a PQA Plus site assessment?.....p652.. 1 Yes 3 No 4 DK

[If question 13 = No, SKIP to question 15.]

14. When was the last PQA Plus site assessment conducted? p653/p654 _____ month _____ year

15. Has this site ever (not just in the last 6 months of 2016) been audited under the Common Swine Industry Audit?.....p655 1 Yes 3 No 4 DK

[If question 15 = No, SKIP to question 17.]

16. When was the last Common Swine Industry Audit conducted? p656/p657 _____ month _____ year

17. From July 1 through December 31, 2016, how many times was this site visited for any purpose by the following types of veterinarians?

- a. Local veterinary practitioner? p658 _____ #
- b. Consulting or second-opinion veterinarian? p659 _____ #
- c. On-staff veterinarian or company vet? p660 _____ #
- d. State or Federal veterinarian? p661 _____ #
- e. Other type? (specify: _____) p662oth p662 _____ #

18. From July 1 through December 31, 2016, did you have a veterinarian-client patient relationship (VCPR) for pigs on this operation?p663 1 Yes 3 No 4 DK

[If question 18 = No or DK, SKIP to question 20.]

19. How would you describe your VCPR?

[Check one only.]

p664

- ₁ A written document signed by my veterinarian and me
- ₂ A verbal agreement between my veterinarian and me
- ₃ My veterinarian has not formally mentioned a VCPR but I consider that I have one based on his relationship with my operation.

20. For your operations, how important are the following practices in preventing disease and reducing the need to use antibiotics in pigs?

[Check one only.]

	Very important	Somewhat important	Not important
a. Implementing a site biosecurity plan for employees and visitors..... p665	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
b. Implementing a vaccination plan for disease prevention p666	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
c. Regular visits by herd health veterinarian p667	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
d. Weaning pigs at older ages (e.g., 21 days or older) p668	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
e. Facility management adjustments (e.g., adding ventilation systems or air filtering systems, etc.) p669	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
f. All-in/all-out management of pigs at the room, barn, or site level..... p670	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
g. Using antibiotic alternatives (e.g., probiotics, prebiotics, etc.) p671	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
h. Adjusting diets to meet pig's nutritional needs at a particular age..... p672	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
i. Other (specify: _____) p673oth.... p673	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃

21. What steps do you take to comply with withdrawal times for any antibiotics administered to pigs on this site?

[Check all that apply.]

- Written treatment records consulted before marketing treated pigs. (This can include pen cards with records of antibiotic treatment.) p674
- Dates signaling the end of the withdrawal period are computer generated p675
- Identification (e.g., by ear tags, chalk, or paint) of pigs individually treated (e.g., by injection) p676
- Individual urine samples tested prior to marketing p677
- Individual serum samples tested prior to marketing p678
- Do not administer antibiotics for a predetermined period prior to marketing p679
- No special steps are taken to comply with withdrawal times p680
- Other (specify: _____) p681oth p681

NAHMS ID: _____

22. What is the role of the person who answered most or all of the questions in section D on stewardship? *[Check all that apply.]*

- Owner of operation p682
- Farm manager on site, but not the owner p683
- Company veterinarian p684
- Private or other veterinarian p685
- Other (specify: _____) p686oth

NAHMS ID: _____

Section E—Office Use Only

State FIPS: _____ 2 digits	Operation #: _____ 4 digits	Site #: _____ 2 digits	Interviewer: _____ Initials	Date: ____/____/____ mm/dd/yy
-------------------------------	--------------------------------	---------------------------	--------------------------------	----------------------------------

1. Total time for interview to complete the questionnaire VITIME _____ min

2. Total travel time round-trip. If more than one data collector present,
enter the combined travel time..... VTTIME _____ min

3. Data collector(s) (Enter the number for each category.)
_____ Federal VMO _____ Other (specify in margin) VFED/VOTH
_____ State VMO VST

4. Enter response code 99 if questionnaire is completed or enter one code (00–07)
that best describes the reason why the owner is not participatingVRCO _____ code
99 = Survey completed
00 = Producer not contacted by VMO
01 = Poor time of year to contact or no time available to participate
02 = Doesn't want anyone on operation
03 = Bad experience with government veterinarian(s)
04 = Doesn't want to do another survey or divulge information
05 = Told NASS they didn't want to be contacted by VS
06 = Ineligible (no longer in operation)
07 = Other (explain in the comments section below)

5. Which of the following best describes interviewee's position with this site?.....VPOS _____ code
1 = owner
2 = manager
3 = family member (other than owner or manager)
4 = other hired employee (non-veterinarian)
5 = Veterinarian on staff (e.g., company veterinarian)
6 = Herd veterinarian or other veterinarian
7 = other (specify: _____) VPOSoth

6. Producer data qualityVPDQ 1 Good/excellent 2 OK 3 Poor

7. Comments regarding this questionnaire or operation:

VMO signature: _____

TO BE COMPLETED BY COORDINATOR:

8. Field data quality.....VFDQ 1 Good/excellent 2 OK 3 Poor

Antibiotic List for Use in Swine Feed

	Active ingredient	Example trade name
a.	Avilamycin	Kavault®
b.	Bacitracin methylene disalicylate	BMD®
c.	Bacitracin methylene disalicylate/ chlortetracycline	BMD®/ Aureomycin®
d.	Bacitracin zinc	Albac®, Baciferm®,
e.	Bambermycin	Flavomycin®
f.	Carbadox	Mecadox
g.	Carbadox/ oxytetracycline	Mecadox®/ Terramycin®
h.	Chlortetracycline	Aureomycin®, ChlorMax™, Pfichlor™, CLTC, Pennchlor™, Chloratet™
i.	Chlortetracycline/ sulfamethazine	Aureomix® S
j.	Chlortetracycline/ tiamulin	Denagard® Plus CTC®, Pennchlor™/ Denagard®
k.	Chlortetracycline/ sulfathiazole/ penicillin	CSP™ 250, CSP™ 500
l.	Chlortetracycline/ sulfamethazine/penicillin	ChlorMax™-SP, Pennchlor SP
m.	Florfenicol	Nuflor®
n.	Lincomycin	Lincomix®
o.	Narasin	Skycis®
p.	Neomycin/terramycin	Neo-Oxy 100/100®, Neo- Terramycin
q.	Oxytetracycline	Terramycin®, OXTC®, TM- 50®, TM-100®, Pennox™
r.	Tiamulin	Denagard®
s.	Tilmicosin	Pulmotil® 90, Tilmovet® 90
t.	Tylosin	Tylan®, Tylovet®
u.	Tylosin/sulfamethazine	Tylan® Sulfa-G
	Tylvalosin	Avlosin® 17%
v.	Virginiamycin	Stafac®

Primary Reason Codes for Antibiotics Used in Swine Feed
1 = Prevention, control, or treatment of bacterial pneumonia (respiratory disease)
2 = Prevention, control, or treatment of bacterial enteritis, swine dysentery, ileitis, or other enteric (intestinal or GI) diseases (diarrheal diseases)
3 = Prevention, control, or treatment of atrophic rhinitis
4 = Prevention, control, or treatment of cervical lymphadenitis (jowl abscesses)
5 = Increased rate of gain and improved feed efficiency (growth promotion)
6 = Other disease prevention, control, or treatment (specify disease: _____)

Antibiotic List for Use in Swine Water

	Active ingredient	Example trade names
a.	Bacitracin methylene disalicylate	BMD® soluble, solutracin
b.	Bacitracin zinc	Baciferin® soluble
c.	Chlortetracycline	Aureomycin soluble powder, Chlortet-Soluble-O, Chloronex® soluble
d.	Chlortetracycline/sulphamethazine	Chloronex® Sulmet® soluble powder, Aureo sulfa soluble powder
e.	Florfenicol	Nuflor® concentrate solution, Florvio™ 2.3% concentration solution
f.	Gentamicin	Garacin® oral solution, Gentocin® oral solution, Gentoral®, GentaMed™ soluble powder
g.	Lincomycin	LinxMed-SP®, Linco soluble, Lincosol soluble powder, Lincomix® soluble powder
h.	Lincomycin/spectinomycin	L-S 50 Water soluble® powder, SpecLinx-50®
i.	Neomycin	Neosol, Neomix® soluble powder, Biosol® Liquid, Neo-Sol 50®, Neo 200 oral solution, Neomycin oral solution
j.	Oxytetracycline	Terramycin® soluble powder, Oxytet® soluble, Tetroxy®
k.	Penicillin G	PenAqua Sol G®, Solu-Pen
l.	Spectinomycin	Spectam®, Spectogard Scour-Chek™, Spectinomycin oral liquid
m.	Sulfachlorpyridazine	Vetisulid®, Prinzone oral suspension, Pyradan oral suspension
n.	Sulfadimethoxine	Albon® oral suspension, Agribon soluble powder, Sulfasol®, Sulforal®, Di-Methox soluble powder
o.	Sulfamethazine	Sulmet®, Purina® sulfa, SMZ-Med™ 454 soluble powder
p.	Sulfaquinoxaline	S.Q. 20% Solution, Sul-Q-Nox, Sulfanox liquid, Sulquin®
q.	Tetracycline	Tet-Sol® 324, Duramycin-10, Polyotic®, Tetra-Bac 324 soluble powder
r.	Tiamulin	Denagard® liquid concentrate, TiaGard™, Triamulux™
s.	Tilmicosin	Pulmotil® AC
t.	Tylosin	Tylan® soluble, Tylovet® soluble
u.	Tylvalosin	Avlosin®
v.	Other antibiotics (specify: _____)	

Primary Reason Codes for Antibiotics Used in Swine Water
1 = Prevention, control, or treatment of bacterial pneumonia (respiratory disease)
2 = Prevention, control, or treatment of bacterial enteritis, swine dysentery, ileitis, or other enteric (intestinal or GI) diseases (diarrheal diseases)
3 = Prevention, control, or treatment of atrophic rhinitis
4 = Prevention, control, or treatment of cervical lymphadenitis (jowl abscesses)
5 = Prevention, control, or treatment of meningitis/polyserositis/arthritis
6 = Other disease prevention, control, or treatment (specify disease: _____)