Health Management on U.S. Feedlots 2020 🖋



Phase II Questionnaire





State FIPS Code	Operation #	Date of Interview	
		MM/dd/yyyy	
2 digits	4 digits		

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE VETERINARY SERVICES NATIONAL ANIMAL HEALTH MONITORING SYSTEM 2150 CENTRE AVE, BLDG B

HEALTH MANAGEMENT ON U.S. FEEDLOTS 2020 PHASE II QUESTIONNAIRE

Reference Card 1 shows the above paperwork reduction act statement



This survey is part of Phase II of the NAHMS Feedlot 2020 study. We appreciate your cooperation with Phase I and thank you in advance for your accurate responses to this survey.

This survey covers topics related to preconditioning and backgrounding, antibiotic use, nutrition, and biosecurity. It should take us about 1 hour to complete.

Time reference period

Unless otherwise specified, the time reference period for the questions in this survey are September 1, 2019 to August 31, 2020.

Fligible cattl

The questions in this survey ask about all cattle and calves on feed on this particular feedlot, regardless of ownership, that are intended for the slaughter market. Include cattle being fed by you for others. Do NOT include cattle being backgrounded only for sale as breeders for later placement on another feedlot or to be returned to pasture. Also, exclude cows and bulls being fed by you for the slaughter market.

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G		Survey Introduction		Ð
_		Health Management on U.S. Feedlots 2020		≡
•		•		=
Preconditioning and Backgrounding pre	ocedures			^
I would like to start by asking you about dehorning.	at pre-conditioning and backgrounding procedures.	These may include acclimitization to feed bunks, vacci	inations, implants, antibiotic use, weaning, deworming, castration, and	
Were any cattle of beef breed types, the	nat weighed less than 400 lb at arrival, placed in th	e feedlot? Yes or No?		
Yes		○ No		
Prior to the arrival of these cattle, what	proportion of them had reliable information about	pre-conditioning or backgrounding procedures? Was it	none, some, most, or all?	
None	Some	Most	○ All	
(Don't know)	(Refused)			_
Were any cattle of beef breed types, the	nat weighed 400 to 699 lb at arrival, placed in the fo	eedlot?		
Would you say Yes or No?				
Yes		○ No		
Prior to the arrival of these cattle, what	proportion of them had reliable information about	pre-conditioning or backgrounding procedures?		_
Was it none, some, most, or all? None	Some	Most	O All	
_	(Refused)	O most	○ All	
(Don't know)	(Relused)			
, , , , , , , , , , , , , , , , , , , ,	nat weighed 700 lbs or more at arrival, placed in th			
Would you say Yes or No? Yes		No No		
Prior to the arrival of these cattle, what	proportion of them had reliable information about	pre-conditioning or backgrounding procedures?		
Was it none, some, most, or all?	0.0	0.11	O 411	
None	Some	Most	○ All	
(Don't know)	(Refused)			
Were any cattle of dairy or dairy cross	breed types, that weighed less than 400 lb at arriv	al, placed in the feedlot?		
Would you say Yes or No? Yes		○ No		~
0 165				- 0

•		Health Manageme	nt on U.S. Feedlots 2020		≡
(Don't know)	(Refused)				^
	ed types, that weighed less than 400 lb at a	arrival, placed in the feedl	ot?		
Would you say Yes or No? Yes			○ No		
	oportion of them had reliable information ab	out pre-conditioning or ba	ackgrounding procedures?		
Was it none, some, most, or all? None	Some		Most	All	
(Don't know)	(Refused)				
	ed types, that weighed 400 to 699 lb at arri	val, placed in the feedlot?			
Would you say Yes or No? Yes			○ No		
	oportion of them had reliable information ab	out pre-conditioning or ba	ackgrounding procedures?		
Was it none, some, most, or all? None	Some	D	Most	All	
(Don't know)	(Refused)				
	ed types, that weighed 700 lbs or more at a	rrival, placed in the feedle	ot?		
Would you say Yes or No? Yes			○ No		
Prior to the arrival of these cattle, what pro	oportion of them had reliable information ab	out pre-conditioning or ba	ackgrounding procedures?		
Was it none, some, most, or all? None	Some		Most	○ All	
(Don't know)	(Refused)		9		
For cattle placed in the feedlot between Se	eptember 1, 2019 and August 31, 2020, we	re ALL the cattle placed of	on this feedlot bred and raised by this operation?		
Yes			○ No		
(Don't know)					·
(-)		A. Breed and weig	ht class of placed cattle		(
·		THE ELECTION AND ADDRESS	omoo o, pou oa		
•			nt on U.S. Feedlots 2020		≡
		Health Manageme	nt on U.S. Feedlots 2020 tle received prior to arrival? Would you say that it		≡
Not important	Slightly important	Health Management of the cate	nt on U.S. Feedlots 2020 tle received prior to arrival? Would you say that it	t is Extremely important	=
Not important		Health Management of the cate	nt on U.S. Feedlots 2020 tle received prior to arrival? Would you say that it		≡
Not important Can you access all of the needed informat	Slightly important	Health Management of the cate	nt on U.S. Feedlots 2020 ttle received prior to arrival? Would you say that it ant Very important		≡
Not important Can you access all of the needed informat Yes (Don't know)	Slightly important	Health Managemending procedures that cat Moderately importating? Yes or no?	nt on U.S. Feedlots 2020 tle received prior to arrival? Would you say that it and Very important No		≡
Not important Can you access all of the needed informat Yes (Don't know) Why is it that you cannot access reliable in Is it not convenient to find cattle to purcha:	Slightly important tion about pre-conditioning and background	Health Manageme inding procedures that cat	nt on U.S. Feedlots 2020 tle received prior to arrival? Would you say that it ant Very important No (Refused)		≡
Not important Can you access all of the needed informat Yes (Don't know) Why is it that you cannot access reliable in is it not convenient to find cattle to purchase Yes	Slightly important tion about pre-conditioning and background	Health Manageme inding procedures that cat	nt on U.S. Feedlots 2020 ttle received prior to arrival? Would you say that it ant Very important No (Rofused)		≡
Not important Can you access all of the needed informat Yes (Don't know) Why is it that you cannot access reliable in Is it not convenient to find cattle to purchase Yes (Don't know)	Slightly important tion about pre-conditioning and background information about pre-conditioning and back see for which this information is known? Yes	Health Manageme inding procedures that cat	nt on U.S. Feedlots 2020 tle received prior to arrival? Would you say that it ant Very important No (Refused)		≡
Ont important Can you access all of the needed informat Yes ((Don't know)) Why is it that you cannot access reliable in Is it not convenient to find cattle to purchas Yes ((Don't know)) Do you purchase cattle where this informates or No?	Slightly important tion about pre-conditioning and background information about pre-conditioning and back see for which this information is known? Yes	Health Manageme inding procedures that cat Moderately import ing? Yes or no? grounding? or No?	Int on U.S. Feedlots 2020 tle received prior to arrival? Would you say that it and Very important No (Refused) No (Refused)		≡
Not important Can you access all of the needed informat Yes (Don't know) Why is it that you cannot access reliable in Is it not convenient to find cattle to purcha: Yes (Don't know) Do you purchase cattle where this informatives or No? Yes or No? Yes	Slightly important tion about pre-conditioning and background information about pre-conditioning and back see for which this information is known? Yes	Health Manageme inding procedures that cat	Int on U.S. Feedlots 2020 Itle received prior to arrival? Would you say that it ant Very important No (Refused) No (Refused)		=
Not important Can you access all of the needed informat Yes ((Don't know)) Why is it that you cannot access reliable in Is it not convenient to find cattle to purchas Yes ((Don't know)) Do you purchase cattle where this informat Yes or No? Yes ((Don't know))	Slightly important tion about pre-conditioning and background information about pre-conditioning and back see for which this information is known? Yes attion is not available, such as a sale barn?	Health Manageme inding procedures that cat Moderately import ing? Yes or no? grounding? or No?	Int on U.S. Feedlots 2020 tle received prior to arrival? Would you say that it and Very important No (Refused) No (Refused)		=
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Not important Can you access all of the needed informat Yes ((Don't know)) Why is it that you cannot access reliable in Is it not convenient to find cattle to purchas Yes ((Don't know)) Do you purchase cattle where this informat Yes or No? Yes ((Don't know)) Are cattle for which this information is known yes or No? Yes or No? Yes	Slightly important tion about pre-conditioning and background information about pre-conditioning and back see for which this information is known? Yes attion is not available, such as a sale barn?	Health Manageme inding procedures that cat Moderately import ing? Yes or no? grounding? or No?	Int on U.S. Feedlots 2020 Itle received prior to arrival? Would you say that it ant Very important No (Refused) No (Refused)		=
Not important Can you access all of the needed informat Yes ((Don't know) Why is it that you cannot access reliable ir Is it not convenient to find cattle to purchas Yes ((Don't know) Do you purchase cattle where this informat Yes or No? Yes ((Don't know) Are cattle for which this information is knowned to the cattle for which the cattle for	Slightly important tion about pre-conditioning and background information about pre-conditioning and back see for which this information is known? Yes ation is not available, such as a sale barn? win too expensive?	Health Manageme inding procedures that cat Moderately import ing? Yes or no? grounding? or No?	Int on U.S. Feedlots 2020 tile received prior to arrival? Would you say that it and Very important No (Refused) No (Refused) No (Refused)		=
Not important Can you access all of the needed informat Yes (Don't know) Why is it that you cannot access reliable ir Is it not convenient to find cattle to purchas Yes (Don't know) Do you purchase cattle where this informat Yes or No? Yes (Don't know) Are cattle for which this information is know Yes or No? Yes (Don't know) Is there no practical mechanism for transfer	Slightly important tion about pre-conditioning and background information about pre-conditioning and back see for which this information is known? Yes ation is not available, such as a sale barn? win too expensive?	Health Manageme inding procedures that cat Moderately import ing? Yes or no? grounding? or No?	Int on U.S. Feedlots 2020 tle received prior to arrival? Would you say that if ant Very important No (Refused) No (Refused) No (Refused) No (Refused)		=
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Not important Can you access all of the needed informat Yes ((Don't know)) Why is it that you cannot access reliable in Is it not convenient to find cattle to purchas Yes ((Don't know)) Do you purchase cattle where this informat Yes or No? ((Don't know)) Are cattle for which this information is know Yes or No? (() Yes (() () () () () () () () () () () () ()	Slightly important tion about pre-conditioning and background information about pre-conditioning and back see for which this information is known? Yes ation is not available, such as a sale barn? win too expensive?	Health Manageme inding procedures that cat Moderately import ing? Yes or no? grounding? or No?	Int on U.S. Feedlots 2020 Itle received prior to arrival? Would you say that it ant Very important No (Refused) No (Refused) No (Refused) No (Refused)		=
Not important Can you access all of the needed informat Yes ((Don't know)) Why is it that you cannot access reliable in Is it not convenient to find cattle to purchas Yes ((Don't know)) Do you purchase cattle where this informat Yes or No? ((Don't know)) Are cattle for which this information is know Yes or No? (() Yes (() () () () () () () () () () () () ()	Slightly important tion about pre-conditioning and background information about pre-conditioning and back see for which this information is known? Yes ation is not available, such as a sale barn? win too expensive?	Health Manageme inding procedures that cat Moderately import ing? Yes or no? grounding? or No?	Int on U.S. Feedlots 2020 Itle received prior to arrival? Would you say that it ant Very important No (Refused) No (Refused) No (Refused) No (Refused)		=

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A. Reliable information

		Health Management on U.S. Feedlots 2020		=
				Ξ
Think about the cattle placed in the feedlot for following pre-conditioning or backgrounding pr		ing or backgrounding procedures performed prior to arrival. I would like chased or calves you raised yourself.	e to ask about the proportion of those cattle that received the	^
		to arrival at the feedlot? Would you say none, some, most, or all?	0.11	
None	Some	Most	All	
(Don't know)	(Refused)			
What proportion were given a respiratory vacco Would you say none, some, most, or all?	ine at least 2 weeks before weaning or a	at weaning?		
None None	Some	Most	All	
(Don't know)	(Refused)			
What proportion were given a respiratory vacc	ine more than two weeks before weanin	g?		
Would you say none, some, most, or all?		14)		
None	Some	Most	All	
(Don't know)	(Refused)			
What proportion were given a modified live res	spiratory vaccine?			
Would you say none, some, most, or all? None	Some	Most	○ All	
(Don't know)	(Refused)			
What proportion were weaned four to six week	rs before arrival at the feedlot?			
Would you say none, some, most, or all?				
None	Some	Most	○ All	
(Don't know)	(Refused)			
What proportion were weaned more than six w	veeks before arrival at the feedlot?			
Would you say none, some, most, or all? None	Some	Most	All	
(Don't know)	(Refused)	0	O 1	
				Ň
G		A. Preconditioning procedures pre arrival		Ð
		Health Management on U.S. Feedlots 2020		=
	U U		\cup	_
(Don't know)	(Refused)			^
What proportion were weaned four to six week	s before arrival at the feedlot?			
Would you say none, some, most, or all? None	Some	Most	○ All	
(Don't know)	(Refused)	0 11031	O All	
	0			
What proportion were weaned more than six w Would you say none, some, most, or all?	veeks before arrival at the feedlot?			
None	Some	Most	All	
(Don't know)	(Refused)			
What proportion of bull calves were castrated	at least three weeks prior to arrival?			
Would you say none, some, most, or all?		□	O :::	
None	Some	Most	All	
(Don't know)	(Refused)			
For NON-POLLED cattle placed on your feedle	ot, what proportion were dehorned at lea	ast three weeks prior to arrival?		
Would you say none, some, most, or all? None	Some	Most	All	
(Don't know)	(Refused)	(Not applicable - only polled cattle placed)		
What proportion were treated for external or in	sternal parasites prior to arrival?	~		
Would you say none, some, most, or all?				
None	Some	Most	All	
(Don't know)	(Refused)			
What proportion were given antibiotics within f	our weeks of arrival to the feedlot?			
Would you say none, some, most, or all? None	Some	Most	○ All	
(Don't know)	(Refused)	<u> </u>	<u> </u>	
	() (Reluseu)			
G	(Reluseu)	A. Preconditioning procedures pre arrival		Ð

•		Health Management on U.S. Feedlots 20	20		=
Were cattle assessed for their risk for bovi	ine respiratory disease when they arrived to t	he feedlot and were processing protocols m No (Refused)	odified based on this assessment? Y	es or No?	î
I would like to ask you how important the f	ollowing factors were when assessing risk of	cattle at arrival.			
How important was long shipping distance Not important	?? Would you say that it was Slightly important	Moderately important	Very important	Extremely important	
How important was arrival weight class? Would you say that it was Not important	Slightly important	Mioderately important	Very important	Extremely important	
How important was appearance of cattle a Would you say that it was Not important	at arrival? Slightly important	Moderately important	Very important	Extremely important	
Would you say that it was	cattle previously received from the same sou		Non-important	C Entremely important	
Not important How important was the presence of respir.	Slightly important	Moderately important	Very important	Extremely important	
Would you say that it was Not important	Slightly important	Moderately important	Very important	Extremely important	
How important was commingling of cattle Would you say that it was	prior to arrival, for example at an auction or s	ale barn?			
Not important	Slightly important	Moderately important	Very important	Extremely important	
How important was geographic origin of co Would you say that it was Not important	attle? Slightly important	Moderately important	Very important	Extremely important	
How important was lack of vaccination aga		O	0 1.1., 1.1.	0 =====	~
•		Health Management on U.S. Feedlots 20	20		≡
	Ų.	Ű.	Ų.	Ų.	
How important was lack of vaccination age Would you say that it was Not important	inst respiratory pathogens? Slightly important	Moderately important	Very important	Extremely important	
How important was lack of pre-conditionin	g or backgrounding procedures?				
Would you say that it was Not important	Slightly important	Moderately important	Very important	Extremely important	
How important was the season of year at a Would you say that it was Not important	Slightly important	Moderately important	Very important	Extremely important	
How important was weather on the day of Would you say that it was Not important	arrival? Slightly important	Moderately important	Very important	Extremely important	
How important was the experience of the	_	moderately important	Voly important	Catolinaly important	
Would you say that it was Not important	Slightly important	○ Moderately important □	Very important	Extremely important	
How important was the breed of cattle? Would you say that it was Not important	Slightly important	Moderately important	Very important	Extremely important	
How important was antibiotic treatment pri	0	~	J		
Would you say that it was Not important	Slightly important	Moderately important	Very important	Extremely important	
Were there other factors important when a Yes	assessing risk of cattle at arrival? Yes or No?	○ No			
Please specify what other factors were im	portant:				V
G		A. Risk assessment of new arrivals			Ð

•	Healt	th Management on U.S. Feedlots 2020		≡
	f cattle placed into the feedlot. Processing procedures c ation, castration, dehorning, and giving antibitiocs.	an be performed at arrival or within four w	eeks of arrival. Processing procedures include vaccinations, tage	ging, implants,
Excluding cattle processed separately for tr	reating illness, were ANY cattle processed as a group at	t, or within 4 weeks of, placement? Yes or	No?	
Yes		○ No		
(Refused)				
	sed as a group? Would you say none, some, most, or a	11?		
None	Some		Most	
(Don't know)	(Refused)			
What proportion of cattle were initially proce	essed 24 hours or less after arrival?			
Would you say none, some, most, or all? None	Some	Most	○ All	
(Don't know)	(Refused)	<u> </u>	<u> </u>	
What proportion of cattle were initially proce	essed 25 to 72 hours or less after arrival?			
Would you say none, some, most, or all?		D ₆		
None	Some	Most	○ All	
(Don't know)	(Refused)			
What proportion of cattle were initially proce	essed 73 hours to 2 weeks after arrival?			
Would you say none, some, most, or all? None	Some	Most	○ All	
(Don't know)	(Refused)			
What proportion of cattle were initially proce	assad 2 to 4 weaks after arrival2			
Would you say none, some, most, or all?				
None	Some	Most	○ All	
(Don't know)	(Refused)			
G		A. Time of processing		6
•				•
•	Healt	th Management on U.S. Feedlots 2020		=
	f cattle placed into the feedlot. Processing procedures c ation, castration, dehorning, and giving antibitiocs.	an be performed at arrival or within four w	eeks of arrival. Processing procedures include vaccinations, tage	ging, implants,
Excluding cattle processed separately for tr	reating illness, were ANY cattle processed as a group at	t, or within 4 weeks of, placement? Yes or	No?	
○ Yes		○ No		
(Refused)				
What proportion of cattle were NOT process	sed as a group? Would you say none, some, most, or a	II?		
None	Some		Most	
(Don't know)	(Refused)			
What proportion of cattle were initially proce	essed 24 hours or less after arrival?			
Would you say none, some, most, or all?	Some	Most	○ All	
None (Don't know)	Some (Refused)	wost	O Au	
What proportion of cattle were initially proce Would you say none, some, most, or all?	essed 25 to 72 hours or less after arrival?	<i>∆</i> ₁		
None	Some	Most	○ All	
(Don't know)	(Refused)			
What proportion of cattle were initially proce	essed 73 hours to 2 weeks after arrival?			
Would you say none, some, most, or all?	_	Most	Ο All	
None (Don't know)	Some (Refused)	Most	○ All	
What proportion of cattle were initially proce Would you say none, some, most, or all?	essed 2 to 4 weeks after arrival?			
None None	Some	Most	○ All	
(Don't know)	(Refused)			
<u> </u>		A Time of processing		•

•	He	alth Management on U.S. Feedlots 2020		≡
I would like to ask about the proportion of Al vaccinations specifically.	LL cattle that were processed as a group that receive	d the following processing procedures at placem	ent into the feedlot. The next several questions are about	
What proportion were vaccinated against BV	/D? Would you say none, some, most, or all?			
None	Some	Most	○ All	
(Don't know)	(Refused)			
Since some or most of the cattle were vaccin	nated against BVD as a group at processing, I would	like to ask the proportion vaccinated by weight of	lass at arrival.	
	rrival, what proportion were vaccinated against BVD?			
Would you say none, some, most, or all? None	Some	Most	○ All	
(Don't know)	(Refused)			
For cattle that weighed between 400 and 69	9 lb at arrival, what proportion were vaccinated again	st BVD?		
Would you say none, some, most, or all? None	Some	Most	○ All	
(Don't know)	(Refused)) mox	O 741	
_	rival, what proportion were vaccinated against BVD?			
Would you say none, some, most, or all?				
None	Some	Most	○ All	
(Don't know)	(Refused)			
9		A. BVD vaccination at arrival		€
3		A. BVD vaccination at arrival		€
•	He	A. BVD vaccination at arrival		€
● What proportion were vaccinated against clc				
What proportion were vaccinated against clc			◯ AII	
What proportion were vaccinated against clc Would you say none, some, most, or alf? None	ostridial diseases, for example Blackleg?	alth Management on U.S. Feedlots 2020	◯ All	
What proportion were vaccinated against clc Would you say none, some, most, or all? None (Don't know)	ostridial diseases, for example Blackleg?	alth Management on U.S. Feedlots 2020 Most		Ξ
What proportion were vaccinated against clc Would you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccin	ostridial diseases, for example Blackleg? Some (Refused)	Ilth Management on U.S. Feedlots 2020 Most ssing, I would like to ask the proportion vaccinate		
What proportion were vaccinated against clc Would you say none, some, most, or al? None (Don't know) Stoce some or most of the cattle were vaccir For cattle that weighed less than 400 lb at at Would you say none, some, most, or al?	ostridial diseases, for example Blackleg? Some (Refused) nated against Clostridial disease as a group at proces	alth Management on U.S. Feedlots 2020 Most ssing, I would like to ask the proportion vaccinat dial disease?	ed by weight class at arrival.	
What proportion were vaccinated against cle Would you say none, some, most, or al? None (Don't know) Since some or most of the cattle were vaccing the control of the cattle ware vaccing to the cattle that weighed less than 400 lb at all would you say none, some, most, or al? None	Some (Refused) nated against Clostridial disease as a group at procestrival, what proportion were vaccinated against clostri	Ith Management on U.S. Feedlots 2020 Most ssing, I would like to ask the proportion vaccinated dial diseases? Most		
What proportion were vaccinated against clc Would you say none, some, most, or alf? None (IDon't know) Since some or most of the cattle were vaccir For cattle that weighed less than 400 lb at al Would you say none, some, most, or alf? None (IDon't know)	ostridial diseases, for example Blackleg? Some (Refused) nated against Clostridial disease as a group at proce rrival, what proportion were vaccinated against clostr Some (Refused)	Ith Management on U.S. Feedlots 2020 Most using, I would like to ask the proportion vaccinated dial diseases? Most	ed by weight class at arrival.	
What proportion were vaccinated against clc Would you say none, some, most, or al? None (IDon't know) Since some or most of the cattle were vaccir For cattle that weighed less than 400 lb at al Would you say none, some, most, or al? None (IDon't know) Would you say none some, most, or al? Would you say none some, most, or al? Would you say none some, most, or al?	Some (Refused) nated against Clostridial disease as a group at procestrival, what proportion were vaccinated against clostri	Ith Management on U.S. Feedlots 2020 Most using, I would like to ask the proportion vaccinated dial diseases? Most	ed by weight class at arrival.	
What proportion were vaccinated against clc Would you say none, some, most, or al? None (Don't know) Since some or most of the cattle were vaccir For cattle that weighed less than 400 lb at al Would you say none, some, most, or al? None (Don't know) For cattle that weighed between 400 and 69 Would you say none, some, most, or al? None	ostridial diseases, for example Blackleg? Some (Refused) nated against Clostridial disease as a group at procerrival, what proportion were vaccinated against clostr Some (Refused) 9 lb at arrival, what proportion were vaccinated again	Ith Management on U.S. Feedlots 2020 Most using, I would like to ask the proportion vaccinated dial diseases? Most	ed by weight class at arrival.	
What proportion were vaccinated against clc Would you say none, some, most, or al? None (IDon't know) Since some or most of the cattle were vaccir For cattle that weighed less than 400 lb at al Would you say none, some, most, or al? None (IDon't know) For cattle that weighed between 400 and 69 Would you say none, some, most, or al? None	Some (Refused) nated against Clostridial disease as a group at procerrival, what proportion were vaccinated against clostr Some (Refused) 9 lb at arrival, what proportion were vaccinated again	Alth Management on U.S. Feedlots 2020 Most using, I would like to ask the proportion vaccinated dial disease? Most b st clostridial disease?	ed by weight class at arrival.	
What proportion were vaccinated against clc Would you say none, some, most, or alf? None (IDon't know) Since some or most of the cattle were vaccin For cattle that weighed less than 400 lb at al Would you say none, some, most, or alf? None (IDon't know) For cattle that weighed between 400 and 69 Would you say none, some, most, or alf? None (IDon't know) For cattle that weighed between 400 and 69 (IDon't know) For cattle that weighed 700 lb or more at arr	ostridial diseases, for example Blackleg? Some (Refused) nated against Clostridial disease as a group at procerrival, what proportion were vaccinated against clostr Some (Refused) 9 lb at arrival, what proportion were vaccinated again	Ith Management on U.S. Feedlots 2020 Most using, I would like to ask the proportion vaccinated dial disease? Most the Most Most Most Most	ed by weight class at arrival.	
What proportion were vaccinated against clo Would you say none, some, most, or alf? None (Don't know) Since some or most of the cattle were vaccin For cattle that weighed less than 400 lb at al Would you say none, some, most, or alf? None (Don't know) For cattle that weighed between 400 and 69 Would you say none, some, most, or alf? None (Don't know) For cattle that weighed 700 lb or more at arr Would you say none, some, most, or alf?	Some (Refused) nated against Clostridial disease as a group at procerrival, what proportion were vaccinated against clostre Some (Refused) 9 lb at arrival, what proportion were vaccinated again Some (Refused)	Ith Management on U.S. Feedlots 2020 Most using, I would like to ask the proportion vaccinated dial disease? Most the Most Most Most Most	ed by weight class at arrival.	
What proportion were vaccinated against clc Would you say none, some, most, or air? None (IDon't know) Since some or most of the cattle were vaccin For cattle that weighed less than 400 lb at ai Would you say none, some, most, or air? None (IDon't know) For cattle that weighed between 400 and 69 Would you say none, some, most, or air? None (IDon't know) For cattle that weighed 700 lb or more at arr Would you say none, some, most, or air? None	Some (Refused) Some (Refused) nated against Clostridial disease as a group at procerrival, what proportion were vaccinated against clostre (Refused) 9 lb at arrival, what proportion were vaccinated again (Some (Refused)	Alth Management on U.S. Feedlots 2020 Most ssing, I would like to ask the proportion vaccinate dial disease? Most to Most Most Most it clostridial disease?	ad by weight class at arrival. All All	
What proportion were vaccinated against clo Would you say none, some, most, or all? None (Con't know) Since some or most of the cattle were vaccin For cattle that weighed less than 400 lb at all Would you say none, some, most, or all? None (Con't know) For cattle that weighed between 400 and 69 Would you say none, some, most, or all? None (Con't know) For cattle that weighed 700 lb or more at arr Would you say none, some, most, or all?	Some (Refused) nated against Clostridial disease as a group at procerrival, what proportion were vaccinated against clostre (Refused) 9 lb at arrival, what proportion were vaccinated again Some (Refused) 19 lb at arrival, what proportion were vaccinated again	Alth Management on U.S. Feedlots 2020 Most ssing, I would like to ask the proportion vaccinate dial disease? Most to Most Most Most it clostridial disease?	ad by weight class at arrival. All All	
What proportion were vaccinated against clc Would you say none, some, most, or air? None (IDon't know) Since some or most of the cattle were vaccin For cattle that weighed less than 400 lb at ai Would you say none, some, most, or air? None (IDon't know) For cattle that weighed between 400 and 69 Would you say none, some, most, or air? None (IDon't know) For cattle that weighed 700 lb or more at arr Would you say none, some, most, or air? None	Some (Refused) nated against Clostridial disease as a group at procerrival, what proportion were vaccinated against clostre (Refused) 9 lb at arrival, what proportion were vaccinated again Some (Refused) 19 lb at arrival, what proportion were vaccinated again	Alth Management on U.S. Feedlots 2020 Most ssing, I would like to ask the proportion vaccinate dial disease? Most to Most Most Most it clostridial disease?	ad by weight class at arrival. All All	
What proportion were vaccinated against clo Would you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccii For cattle that weighed less than 400 lb at at Would you say none, some, most, or all? None (Don't know) For cattle that weighed between 400 and 69 Would you say none, some, most, or all? None (Don't know) For cattle that weighed 700 lb or more at arr Would you say none, some, most, or all? None	Some (Refused) nated against Clostridial disease as a group at procerrival, what proportion were vaccinated against clostre (Refused) 9 lb at arrival, what proportion were vaccinated again Some (Refused) 19 lb at arrival, what proportion were vaccinated again	Alth Management on U.S. Feedlots 2020 Most ssing, I would like to ask the proportion vaccinate dial disease? Most to Most Most Most it clostridial disease?	ad by weight class at arrival. All All	

•	Health Managemen	nt on U.S. Feedlots 2020	=
What proportion were vaccinated against tetanus? Would you say none, some, most, or all? None (Don'l know)	Some (Refused)	Most	○ All
Since some or most of the cattle were vaccinated again	inst Tetanus as a group at processing, I would like to ask	the proportion vaccinated by weight class at arrival.	
For cattle that weighed less than 400 lb at arrival, what Would you say none, some, most, or all? None (Don't know)	t proportion were vaccianted against tetanus? Some (Refused)	Most	○ All
For cattle that weighed between 400 and 699 lb at arrived would you say none, some, most, or all? None (Don't know)	val, what proportion were vaccianted against tetanus? Some (Refused)	Most	O All
For cattle that weighed 700 lb or more at arrival, what Would you say none, some, most, or all? None (Don't know)	proportion were vaccianted against tetanus? Some (Refused)	○ Most	○ All
G	A. Tetanus va	ccination at arrival	Đ
•	Health Managemer	nt on U.S. Feedlots 2020	≡
What proportion were vaccinated against pinkeye cause	sed by Moraxella?		
Would you say none, some, most, or all? None (Don't know)	Some (Refused)	Most	○ All
Since some or most of the cattle were vaccinated again	inst pinkeye as a group at processing, I would like to ask	the proportion vaccinated by weight class at arrival.	
For cattle that weighed less than 400 lb at arrival, wha would you say none, some, most, or all? None (Don't know)	t proportion were vaccinated against pinkeye? Some (Refused)	Most	○ All
Would you say none, some, most, or all?	val, what proportion were vaccinated against pinkeye?		
None (Don't know)	Some (Refused)	Most	○ All
For cattle that weighed 700 lb or more at arrival, what			
Would you say none, some, most, or all? None (Don't know)	Some (Refused)	Most	○ All

•	Health Manageme	nt on U.S. Feedlots 2020	≡
What proportion were vaccinated against any respirator	ry diseases?		
Would you say none, some, most, or all? None	Some	Most	○ All
(Don't know)	(Refused)		
Since some or most of the cattle were vaccinated again	nst viral respiratory disease using an injectable vaccine,	I would like to ask the proportion vaccinated by weight of	lass at arrival.
	proportion were vaccinated using an injectable vaccine	?	
Would you say none, some, most, or all? None	Some	Most	○ All
(Don't know)	(Refused)		
For cattle that weighed between 400 and 699 lb at arriv	val, what proportion were vaccinated using an injectable	vaccine?	
Would you say none, some, most, or all? None	Some	Most	○ All
(Don't know)	(Refused)		
For cattle that weighed 700 lb or more at arrival, what p	proportion were vaccinated using an injectable vaccine?		
Would you say none, some, most, or all? None	Some	Most	○ All
(Don't know)	(Refused)		
		D ₂	
· ·	A. Any resoirat	ory vaccine at arrival	e)
©	A. Any respirat	pry vaccine at arrival	Đ
©		ory vaccine at arrival nt on U.S. Feedlots 2020	⊙
• What proportion were vaccinated against any respirator	Health Manageme		
•	Health Manageme		
What proportion were vaccinated against any respirato	Health Manageme	nt on U.S. Feediots 2020	≡
What proportion were vaccinated against any respirato Would you say none, some, most, or all?	Health Manageme ry diseases? Some (Refused)	nt on U.S. Feediots 2020	≡
What proportion were vaccinated against any respirato Would you say none, some, most, or all? None (Don't know) What proportion were vaccinated against viral respirate Would you say none, some, most, or all?	ry diseases? Some (Refused) ory diseases using injectable vaccine?	nt on U.S. Feedlots 2020 Most	☐ All
What proportion were vaccinated against any respirator Would you say none, some, most, or all? None (Don't know) What proportion were vaccinated against viral respirate	Health Manageme ry diseases? Some (Refused)	nt on U.S. Feediots 2020	≡
What proportion were vaccinated against any respirator viouds you say none, some, most, or all? None (Don't know) What proportion were vaccinated against viral respirator vouds you say none, some, most, or all? None (Don't know)	Health Manageme ry diseases? Some (Refused) ory diseases using injectable vaccine? Some (Refused)	nt on U.S. Feedlots 2020 Most	☐ All
What proportion were vaccinated against any respirator would you say none, some, most, or all? None (Don't know) What proportion were vaccinated against viral respirate would you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccinated against viral respirate would you say none, some, most, or all?	Health Manageme ry diseases? Some (Refused) ory diseases using injectable vaccine? Some (Refused)	nt on U.S. Feedlots 2020 Most Most I would like to ask the proportion vaccinated by weight of	☐ All
What proportion were vaccinated against any respirator would you say none, some, most, or all? None (Don't know) What proportion were vaccinated against viral respirate would you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccinated again For cattle that weighed less than 400 lb at arrival, what would you say none, some, most, or all?	Health Manageme ry diseases? Some (Refused) ry diseases using injectable vaccine? Some (Refused) nst viral respiratory disease using an injectable vaccine, proportion were vaccinated using an injectable (accine	nt on U.S. Feedlots 2020 Most Most I would like to ask the proportion vaccinated by weight of	All lass at arrival.
What proportion were vaccinated against any respirator Vouds you say none, some, most, or all? None (Don't know) What proportion were vaccinated against viral respirator Vouds you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccinated again For cattle that weighed less than 400 lb at arrival, what	Health Manageme ry diseases? Some (Refused) ory diseases using injectable vaccine? Some (Refused) nst viral respiratory disease using an injectable vaccine,	nt on U.S. Feedlots 2020 Most Most I would like to ask the proportion vaccinated by weight of	☐ All
What proportion were vaccinated against any respirator would you say none, some, most, or all? None (Don't know) What proportion were vaccinated against viral respirate voud you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccinated again For cattle that weighed less than 400 lb at arrival, what would you say none, some, most, or all? None (Don't know)	Health Manageme ry diseases? Some (Refused) ory diseases using injectable vaccine? Some (Refused) nst viral respiratory disease using an injectable vaccine, proportion were vaccinated using an injectable baccine Some	nt on U.S. Feedlots 2020 Most Most I would like to ask the proportion vaccinated by weight of the control of	All lass at arrival.
What proportion were vaccinated against any respirator Would you say none, some, most, or all? None (Don't know) What proportion were vaccinated against viral respirate Would you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccinated again to would you say none, some, most, or all? None (Don't know) For cattle that weighed less than 400 lb at arrival, what Would you say none, some, most, or all? Yould you say none, some, most, or all? For cattle that weighed between 400 and 699 lb at arrival would you say none, some, most, or all?	Health Manageme ry diseases? Some (Refused) ory diseases using injectable vaccine? Some (Refused) nst viral respiratory disease using an injectable vaccine, proportion were vaccinated using an injectable (accine Some (Refused) val, what proportion were vaccinated using an injectable	nt on U.S. Feedlots 2020 Most Most I would like to ask the proportion vaccinated by weight of Most Note	All All lass at arrival.
What proportion were vaccinated against any respirator viouds you say none, some, most, or all? None (Don't know) What proportion were vaccinated against viral respirator vouds you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccinated again for cattle that weighed less than 400 lb at arrival, what wouds you say none, some, most, or all? None (Don't know) For cattle that weighed between 400 and 699 lb at arrival.	Health Manageme ry diseases? Some (Refused) ry diseases using injectable vaccine? Some (Refused) nst viral respiratory disease using an injectable vaccine, proportion were vaccinated using an injectable (paccine) (Refused)	nt on U.S. Feedlots 2020 Most Most I would like to ask the proportion vaccinated by weight of the control of	All lass at arrival.
What proportion were vaccinated against any respirator Would you say none, some, most, or all? None (Don't know) What proportion were vaccinated against viral respirate Would you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccinated again For cattle that weighed less than 400 lb at arrival, what Would you say none, some, most, or all? None (Don't know) For cattle that weighed between 400 and 699 lb at arrival Would you say none, some, most, or all? None (Don't know)	Health Manageme ry diseases? Some (Refused) ry diseases using injectable vaccine? Some (Refused) nst viral respiratory disease using an injectable vaccine, proportion were vaccinated using an injectable (accine) Some (Refused) val, what proportion were vaccinated using an injectable Some (Refused) (Refused)	nt on U.S. Feedlots 2020 Most Most I would like to ask the proportion vaccinated by weight of Most Note	All All lass at arrival.
What proportion were vaccinated against any respirator would you say none, some, most, or all? None (born't know) What proportion were vaccinated against viral respirate would you say none, some, most, or all? None (born't know) Since some or most of the cattle were vaccinated against viral respirate would you say none, some, most, or all? None (born't know) For cattle that weighed less than 400 lb at arrival, what yould you say none, some, most, or all? None (born't know) For cattle that weighed between 400 and 699 lb at arrival would you say none, some, most, or all? None (born't know) For cattle that weighed 700 lb or more at arrival, what yould you say none, some, most, or all?	Health Manageme ry diseases? Some (Refused) ony diseases using injectable vaccine? Some (Refused) not viral respiratory disease using an injectable vaccine, proportion were vaccinated using an injectable (Refused) val, what proportion were vaccinated using an injectable Some (Refused) val, what proportion were vaccinated using an injectable Some (Refused) oroportion were vaccinated using an injectable vaccine?	nt on U.S. Feedlots 2020 Most Most I would like to ask the proportion vaccinated by weight of Most vaccine? Most	All All lass at arrival. All
What proportion were vaccinated against any respirator would you say none, some, most, or all? None (Don't know) What proportion were vaccinated against viral respirate would you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccinated again For cattle that weighed less than 400 lb at arrival, what would you say none, some, most, or all? None (Don't know) For cattle that weighed between 400 and 699 lb at arrival you say none, some, most, or all? None (Don't know) For cattle that weighed 700 lb or more at arrival, what you can be some, most or all?	Health Manageme ry diseases? Some (Refused) ry diseases using injectable vaccine? Some (Refused) nst viral respiratory disease using an injectable vaccine, proportion were vaccinated using an injectable (accine) Some (Refused) val, what proportion were vaccinated using an injectable Some (Refused) (Refused)	nt on U.S. Feedlots 2020 Most Most I would like to ask the proportion vaccinated by weight of Most Note	All All lass at arrival.

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A. Injectable respiratory vaccine at arrival

•	Health N	lanagement on U.S. Feedlots 2020		≡
What proportion were vaccinated against viral respir	atory diseases using intranasal vaccine?			
Would you say none, some, most, or all? None	Some	Most	All	
(Don't know)	(Refused)	O mos	0.1	
Since some or most of the cattle were vaccinated ag		Lugacine I would like to ask the proportion u	vaccinated by unight class at agrical	
			vaccinated by weight class at arrival.	
For cattle that weighed less than 400 lb at arrival, wh Would you say none, some, most, or all?	nat proportion were vaccinated using an intra nasa	al vaccine?		
None	Some	Most	All	
(Don't know)	(Refused)			
For cattle that weighed between 400 and 699 lb at a	rrival, what proportion were vaccinated usihg an ir	ntra nasal vaccine?		
Would you say none, some, most, or all? None	Some	Most	○ All	
(Don't know)	(Refused)	0		
For cattle that weighed 700 lb or more at arrival, what	at proportion were vaccinated using an intra nasal	vaccine?		
Would you say none, some, most, or all?			O 47	
None (Don't know)	Some (Refused)	Most	All	
(Don't know)	(Refused)			
G	A. Intrana	sal respiratory vaccine at arrival		Đ
G	A. Intrana	sal respiratory vaccine at arrival		Đ
©	A. Intrana	sal respiratory vaccine at arrival		O
©	A. Intrana	sal respiratory vaccine at arrival		Đ
©		isal respiratory vaccine at arrival		€
•	Health N	llanagement on U.S. Feedlots 2020		
What proportion were vaccinated against bacterial re	Health M	lanagement on U.S. Feedlots 2020 urella?		
What proportion were vaccinated against bacterial re Would you say none, some, most, or all? None	Health M pspiratory diseases such as Mannheimia or Paste Some	llanagement on U.S. Feedlots 2020		
What proportion were vaccinated against bacterial re Would you say none, some, most, or all? None (Don't know)	Health M pspiratory diseases such as Mannheimia or Paste Some (Refused)	lanagement on U.S. Feedlots 2020 urella? Most		
What proportion were vaccinated against bacterial re Would you say none, some, most, or all? None	Health M pspiratory diseases such as Mannheimia or Paste Some (Refused)	lanagement on U.S. Feedlots 2020 urella? Most		
What proportion were vaccinated against bacterial rewards you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccinated ag	Health M pepiratory diseases such as Mannheimia or Paste Some (Refused) ainst bacterial respiratory disease as a group at p	Ianagement on U.S. Feedlots 2020 urella? Most processing, I would like to ask the proportion		
What proportion were vaccinated against bacterial re Would you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccinated ag For cattle that weighed less than 400 lb at arrival, wh	Health N pspiratory diseases such as Mannheimia or Paste Some (Refused) ainst bacterial respiratory disease as a group at pat proportion were vaccinated against bacterial re	Ianagement on U.S. Feedlots 2020 urella? Most processing, I would like to ask the proportion		
What proportion were vaccinated against bacterial rewards you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccinated ag	Health M pepiratory diseases such as Mannheimia or Paste Some (Refused) ainst bacterial respiratory disease as a group at p	tanagement on U.S. Feedlots 2020 urella? Most processing, I would like to ask the proportion espiratory disease? Most	vaccinated by weight class at arrival.	
What proportion were vaccinated against bacterial revolute you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccinated against bacterial revolute you say none, some, most, or all? None (Don't know)	Health M perintency diseases such as Mannheimia or Paste Some (Refused) ainst bacterial respiratory disease as a group at part proportion were vaccinated against bacterial re Some (Refused)	Ianagement on U.S. Feedlots 2020 urella? Most processing, I would like to ask the proportion espiratory disease? Most	vaccinated by weight class at arrival.	
What proportion were vaccinated against bacterial re Would you say none, some, most, or ai? None (Don't know) Since some or most of the cattle were vaccinated ag For cattle that weighed less than 400 lb at arrival, wi Would you say none, some, most, or ai? None (Don't know) For cattle that weighed between 400 and 699 lb at a Would you say none, some, most, or ai?	Health M periratory diseases such as Mannheimia or Paste Some (Refused) ainst bacterial respiratory disease as a group at pat proportion were vaccinated against bacterial re Some (Refused) rrival, what proportion were vaccinated against bacterial relatives.	tanagement on U.S. Feedlots 2020 urella? Most processing, I would like to ask the proportion espiratory disease? Most cterial respiratory disease?	vaccinated by weight class at arrival.	
What proportion were vaccinated against bacterial revolute you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccinated against bacterial revolute that weighed less than 400 lb at arrival, who would you say none, some, most, or all? None (Don't know) For cattle that weighed between 400 and 699 lb at a would you say none, some, most, or all? None	Health M perpiratory diseases such as Mannheimia or Paste Some (Refused) ainst bacterial respiratory disease as a group at part proportion were vaccinated against bacterial re Some (Refused) rrival, what proportion were vaccinated against bacterial respiratory disease as a group at part proportion were vaccinated against bacterial respiratory disease.	Ianagement on U.S. Feedlots 2020 urella? Most processing, I would like to ask the proportion espiratory disease? Most	vaccinated by weight class at arrival.	
What proportion were vaccinated against bacterial re Would you say none, some, most, or ai? None (Don't know) Since some or most of the cattle were vaccinated ag For cattle that weighed less than 400 lb at arrival, wi Would you say none, some, most, or ai? None (Don't know) For cattle that weighed between 400 and 699 lb at a Would you say none, some, most, or ai?	Health M periratory diseases such as Mannheimia or Paste Some (Refused) ainst bacterial respiratory disease as a group at pat proportion were vaccinated against bacterial re Some (Refused) rrival, what proportion were vaccinated against bacterial relatives.	tanagement on U.S. Feedlots 2020 urella? Most processing, I would like to ask the proportion espiratory disease? Most cterial respiratory disease?	vaccinated by weight class at arrival.	
What proportion were vaccinated against bacterial re Would you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccinated ag For cattle that weighed less than 400 lb at arrival, wh Would you say none, some, most, or all? None (Don't know) For cattle that weighed between 400 and 699 lb at a Would you say none, some, most, or alf? None (Don't know) For cattle that weighed 700 lb or more at arrival, what	Health M properties of the service o	Inangement on U.S. Feedlots 2020 urella? Most processing, I would like to ask the proportion aspiratory disease? Most cterial respiratory disease? Most	vaccinated by weight class at arrival.	
What proportion were vaccinated against bacterial re would you say none, some, most, or alf? None (Don't know) Since some or most of the cattle were vaccinated ag For cattle that weighed less than 400 lb at arrival, will would you say none, some, most, or alf? None (Don't know) For cattle that weighed between 400 and 699 lb at a would you say none, some, most, or alf? None (Don't know)	Health M properties of the service o	Inangement on U.S. Feedlots 2020 urella? Most processing, I would like to ask the proportion aspiratory disease? Most cterial respiratory disease? Most	vaccinated by weight class at arrival.	
What proportion were vaccinated against bacterial re Would you say none, some, most, or all? None (Don't know) Since some or most of the cattle were vaccinated ag For cattle that weighed less than 400 lb at arrival, wh Would you say none, some, most, or all? None (Don't know) For cattle that weighed between 400 and 699 lb at a Would you say none, some, most, or all? None (Don't know) For cattle that weighed 700 lb or more at arrival, whe Would you say none, some, most, or all?	Health M sepiratory diseases such as Mannheimia or Paste Some (Refused) ainst bacterial respiratory disease as a group at p at proportion were vaccinated against bacterial re (Refused) rrival, what proportion were vaccinated against ba (Refused) trival, what proportion were vaccinated against bacterial re (Refused)	Inagement on U.S. Feedlots 2020 urella? Most processing, I would like to ask the proportion aspiratory disease? Most Most Most Most Most Spiratory disease?	vaccinated by weight class at arrival. All	
What proportion were vaccinated against bacterial revolution you say none, some, most, or alf? None (Don't know) Since some or most of the cattle were vaccinated against bacterial revolution of the cattle was a considerable. For cattle that weighed less than 400 lb at arrival, who would you say none, some, most, or alf? None (Don't know) For cattle that weighed between 400 and 699 lb at a would you say none, some, most, or alf? None (Don't know) For cattle that weighed 700 lb or more at arrival, who would you say none, some, most, or alf? None	Health M perspiratory diseases such as Mannheimia or Paste Some (Refused) ainst bacterial respiratory disease as a group at part proportion were vaccinated against bacterial respiratory disease as a group at part proportion were vaccinated against bacterial respiratory, what proportion were vaccinated against bacterial respiratory disease. Some (Refused) to proportion were vaccinated against bacterial respiratory disease.	Inagement on U.S. Feedlots 2020 urella? Most processing, I would like to ask the proportion aspiratory disease? Most Most Most Most Most Spiratory disease?	vaccinated by weight class at arrival. All	
What proportion were vaccinated against bacterial revolution you say none, some, most, or alf? None (Don't know) Since some or most of the cattle were vaccinated against bacterial revolution of the cattle was a considerable. For cattle that weighed less than 400 lb at arrival, who would you say none, some, most, or alf? None (Don't know) For cattle that weighed between 400 and 699 lb at a would you say none, some, most, or alf? None (Don't know) For cattle that weighed 700 lb or more at arrival, who would you say none, some, most, or alf? None	Health M perspiratory diseases such as Mannheimia or Paste Some (Refused) ainst bacterial respiratory disease as a group at part proportion were vaccinated against bacterial respiratory disease as a group at part proportion were vaccinated against bacterial respiratory, what proportion were vaccinated against bacterial respiratory disease. Some (Refused) to proportion were vaccinated against bacterial respiratory disease.	Inagement on U.S. Feedlots 2020 urella? Most processing, I would like to ask the proportion aspiratory disease? Most Most Most Most Most Spiratory disease?	vaccinated by weight class at arrival. All	

		Health Management on U.S. Feedlots 2020		=
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I still want to ask about the proportion of ALL cattle the	nat were processed as a group, but r	now i want to ask about other procedures, besides vaccinal	ion, that cattle received at placement into the feedlot.	
What proportion of cattle processed as a group were	tested for BVD infection?			
Would you say none, some, most, or all? None	Some	Most	○ All	
(Don't know)	(Refused)			
Since some or most of the cattle were tested for BVI	as a group at processing, I would li	ike to ask the proportion tested for BVD by weight class at a	arrival.	
For cattle that weighed less than 400 lb at arrival, wh	at proportion were tested for BVD?			
Would you say none, some, most, or all? None	Some	Most	○ All	
(Don't know)	(Refused)	0 111031	0.4	
	0	- BVD3		
For cattle that weighed between 400 and 699 lb at ar Would you say none, some, most, or all?		IL BAD'S		
None	Some	Most	○ All	
(Don't know)	(Refused)			
For cattle that weighed 700 lb or more at arrival, what	t proportion were tested for BVD?			
Would you say none, some, most, or all? None	Some	Most	All	
	(Refused)	Q	0.1	
(Don't know)				
(Don't know)		A. Test for BVD at arrival		ę
		A. Test for BVD at arrival Health Management on U.S. Feedlots 2020		=
What proportion of cattle processed as a group recei	ved an implant?			
What proportion of cattle processed as a group receivoud you say none, some, most, or all?	ved an implant?			
◆ What proportion of cattle processed as a group received.		Health Management on U.S. Feedlots 2020	○ All	
What proportion of cattle processed as a group recei Would you say none, some, most, or all? None (Don't know)	Some (Refused)	Health Management on U.S. Feedlots 2020		
What proportion of cattle processed as a group recei Would you say none, some, most, or all? None (Don't know)	Some (Refused)	Health Management on U.S. Feedlots 2020 Most		
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•	Health Manager	ent on U.S. Feedlots 2020	=
What proportion of cattle processed as a group receive	ed a parasiticide?		
Would you say none, some, most, or all? None	Some	Most	All
(Don't know)	(Refused)	O	0.1
		ortion that received a parasiticide by weight class at arriva	
For cattle that weighed less than 400 lb at arrival, what		of the received a parasitione by weight class at anne	
Would you say none, some, most, or all?			
None	Some	Most	All
(Don't know)	(Refused)		
For cattle that weighed between 400 and 699 lb at arriv Would you say none, some, most, or all?	val, what proportion received a parasiticide?		
None None	Some	Most	○ All
(Don't know)	(Refused)		
For cattle that weighed 700 lb or more at arrival, what p	proportion received a parasiticide?		
Would you say none, some, most, or all? None	Some	Most	All
(Don't know)	(Refused)		0 74
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G	A. Para	siticide at arrival	Ð
0	A. Para	siticide at arrival	•
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What proportion of cattle processed as a group receive	Health Managen		
What proportion of cattle processed as a group receive	Health Managen rd an immunostimulant such as Zelnate?	ent on U.S. Feedlots 2020	=
What proportion of cattle processed as a group receive	Health Managen		
What proportion of cattle processed as a group receive Would you say none, some, most, or all? None (Don't know)	Health Managen and an immunostimulant such as Zelnate? Some (Refused)	eent on U.S. Feedlots 2020 Most	■ O All
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What proportion of cattle processed as a group were we	eighed individually?			
Would you say none, some, most, or all? None	Some		Most	All
(Don't know)	(Refused)			
Since some or most of the cattle were weighed individu	ally as a group at processing, I would li	ike to ask the prop	portion weighed by weight class at arrival.	
For cattle that weighed less than 400 lb at arrival, what	proportion were weighed individually?			
Would you say none, some, most, or all? None	Some		Most	All
(Don't know)	(Refused)			
For cattle that weighed between 400 and 699 lb at arriv	al, what proportion were weighed indiv	idually?		
Would you say none, some, most, or all? None	Some	D	Most	○ All
(Don't know)	(Refused)			
For cattle that weighed 700 lb or more at arrival, what p	roportion were weighed individually?			
Would you say none, some, most, or all? None	Some		Most	All
(Don't know)	(Refused)		O	0.12
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•			attle at arrival t on U.S. Feedlots 2020	=
What proportion of cattle processed as a group had a tr				
•			t on U.S. Feedlots 2020	=
What proportion of cattle processed as a group had a to Woods you say none, some, most, or all?	emperature taken?			
What proportion of cattle processed as a group had a te Woods you say none, some, most, or alt? None	emperature taken? Some (Refused)	Health Managemen	t on U.S. Feedlots 2020	○ All
What proportion of cattle processed as a group had a to Woods you say none, some, most, or all? None (Don't know)	emperature taken? Some (Refused) en as a group at processing, I would like	Health Managemen	t on U.S. Feedlots 2020	○ All
What proportion of cattle processed as a group had a te Woodd you say none, some, most, or all? None (Don't know) Since some or most of the cattle had a temperature tak For cattle that weighed less than 400 lb at arrival, what Woodd you say none, some, most, or all?	emperature taken? Some (Refused) en as a group at processing, I would lik proportion had a temperature taken?	Health Managemen	t on U.S. Feedlots 2020 Most ortion that had a temperature taken by weight class at a	☐ All arrival.
What proportion of cattle processed as a group had a to wood you say none, some, most, or alt? None (Don't know) Since some or most of the cattle had a temperature tak For cattle that weighed less than 400 lb at arrival, what wood you say none, some, most, or alt?	emperature taken? Some (Refused) en as a group at processing, I would like	Health Managemen	t on U.S. Feedlots 2020	○ All
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•		Health Management on U.S. Feedlots 2020		≡
What proportion of cattle processed as a group had	d their lungs listened to with a stethoscope	?		
Would you say none, some, most, or all? None	Some	Most	All	
(Don't know)	(Refused)	<u> </u>	<u> </u>	
Since some or most of the cattle had their lungs lis	tened to with a stethoscope as a group at p	processing, I would like to ask the proportion for whic	th this was done, by weight class at arrival.	
For cattle that weighed less than 400 lb at arrival, v	what proportion had their lungs listened to v	with a stethoscope?		
Would you say none, some, most, or all? None	Some	Most	All	
(Don't know)	(Refused)		\bigcirc	
For cattle that weighed between 400 and 699 lb at	arrival, what proportion had their lungs liste	ened to with a stethoscope?		
Would you say none, some, most, or all? None	Some	Most	○ All	
(Don't know)	(Refused)	Most	O All	
For cattle that weighed 700 lb or more at arrival, w	0	ith a stathoscope?		
Would you say none, some, most, or all?			O 15	
None (Dan't know)	Some (Refused)	Most	All	
(Don't know)	(Refused)			
G	[A. Lungs listened to with stethoscope		Đ
©	[A. Lungs listened to with stethoscope Health Management on U.S. Feedlots 2020		•
What proportion of cattle processed as a group rec				
What proportion of cattle processed as a group rec	beived an injectable antibiotic?	Health Management on U.S. Feedlots 2020	○ All	
• What proportion of cattle processed as a group rec			○ All	
What proportion of cattle processed as a group rec Would you say none, some, most, or all? None (Don't know)	ceived an injectable antibiotic? Some (Refused)	Health Management on U.S. Feedlots 2020		
What proportion of cattle processed as a group rec Would you say none, some, most, or all? None (Don't know)	ceived an injectable antibiotic? Some (Refused) table antibiotic as a group at processing, I v	Health Management on U.S. Feedlots 2020 Most would like to ask the proportion that received an antib		
What proportion of cattle processed as a group rec Would you say none, some, most, or all? None (Don't know) Since some or most of the cattle received an inject For cattle that weighed less than 400 lb at arrival, v	ceived an injectable antibiotic? Some (Refused) table antibiotic as a group at processing, I what proportion received an injectable antibiotic antibiotic antibiotic antibiotic antibiotic antibiotic antibiotic antibiotic	Health Management on U.S. Feedlots 2020 Most would like to ask the proportion that received an antibiotic?	oiotic by weight class at arrival.	
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What proportion of cattle processed as a group rec Would you say none, some, most, or all? None (Don't know) Since some or most of the cattle received an inject For cattle that weighed less than 400 lb at arrival, v Would you say none, some, most, or all? None (Don't know)	ceived an injectable antibiotic? Some (Refused) table antibiotic as a group at processing, I what proportion received an injectable antib (Refused)	Health Management on U.S. Feedlots 2020 Most would like to ask the proportion that received an antibiotic? Most	oiotic by weight class at arrival.	
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What proportion of cattle processed as a group rec Would you say none, some, most, or all? None (Don't know) Since some or most of the cattle received an inject For cattle that weighed less than 400 lb at arrival, v Would you say none, some, most, or all? None (Don't know) For cattle that weighed between 400 and 699 lb at Would you say none, some, most, or all? None (Don't know) For cattle that weighed 700 lb or more at arrival, w Would you say none, some, most, or all? None	ceived an injectable antibiotic? Some (Refused) able antibiotic as a group at processing, I v what proportion received an injectable antibiotic antibiotic antibiotic antibiotic antibiotic and antibiotic anti	Health Management on U.S. Feedlots 2020 Most would like to ask the proportion that received an antibiotic? Most ble antibiotic? Most	oiotic by weight class at arrival.	
What proportion of cattle processed as a group rec Would you say none, some, most, or all? None (Don't know) Since some or most of the cattle received an inject For cattle that weighed less than 400 lb at arrival, v Would you say none, some, most, or all? None (Don't know) For cattle that weighed between 400 and 699 lb at Would you say none, some, most, or all? None (Don't know) For cattle that weighed P00 lb or more at arrival, w Would you say none, some, most, or all?	ceived an injectable antibiotic? Some (Refused) able antibiotic as a group at processing, I v what proportion received an injectable antib (Refused) arrival, what proportion received an injecta (Refused) hat proportion received an injectable antibinat	Health Management on U.S. Feedlots 2020 Most would like to ask the proportion that received an antibiotic? Most ble antibiotic? Most Most	olotic by weight class at arrival. All	
What proportion of cattle processed as a group rec Would you say none, some, most, or all? None (Don't know) Since some or most of the cattle received an inject For cattle that weighed less than 400 lb at arrival, v Would you say none, some, most, or all? None (Don't know) For cattle that weighed between 400 and 699 lb at Would you say none, some, most, or all? None (Don't know) For cattle that weighed 700 lb or more at arrival, w Would you say none, some, most, or all? None	ceived an injectable antibiotic? Some (Refused) able antibiotic as a group at processing, I v what proportion received an injectable antibiotic antibiotic antibiotic antibiotic antibiotic and antibiotic anti	Health Management on U.S. Feedlots 2020 Most would like to ask the proportion that received an antibiotic? Most ble antibiotic? Most Most	olotic by weight class at arrival. All	

•	Health Managem	ent on U.S. Feedlots 2020		≡
What proportion of cattle processed as a group receive	ed an injectable vitamin or mineral?			
Would you say none, some, most, or all? None	Some	Most	○ All	
(Don't know)	(Refused)	<u> </u>	0.12	
Since some or most of the cattle received an injectable	e vitamin or mineral as a group at processing, I would lii	ke to ask the proportion that received a vitamin or minera	l injection by weight class at arrival.	
For cattle that weighed less than 400 lb at arrival, wha				
Would you say none, some, most, or all? None	Some	Most	All	
(Don't know)	(Refused)	most	O Au	
ŭ	ival, what proportion received an injectable vitamin or m	ineral?		
Would you say none, some, most, or all?				
None	Some	Most	○ All	
(Don't know)	(Refused)			
For cattle that weighed 700 lb or more at arrival, what Would you say none, some, most, or all?	proportion received an injectable vitamin or mineral?			
None	Some	Most	○ All	
(Don't know)	(Refused)			
G	A. Receive an inje	ectable vitamin or mineral		Ð
•	Health Managem	ent on U.S. Feedlots 2020		\equiv
What proportion of heifers received a pregnancy check	k? Would you say none, some, most or all?			
None	Some	Most	All	
(Don't know)	(Refused)			
What proportion of heifers received an abortifacient, so Would you say none, some, most, or all?	uch as prostaglandin injection?			
○ None				
(DWI)	Some	Most	○ All	
(Don't know)	Some (Refused)	Most	All	
(Liont know)		Most	○ All	
(Lont xnow)		○ Most	○ All	
(LOOTENTOW)		○ Most	○ All	
(Lion Extrawy)		○ Most	○ All	
(Lion Extrawy)		○ Most	○ All	
(LODIT KNOW)			○ All	
(LOOTENDOW)		○ Most	○ All	
(LOOTENDOW)			○ All	

♠ A. Helfers at arrival

•		Health Management on U.S. Feedlots 2020		≡
	ved at the feedlot uncastrated? Would you sa			
None	Some	Most	All	
(Don't know)	(Refused)			
		5		
G		A. Bull calves castrated		Ð
.		A. Buil caives castrated		V
•		Health Management on U.S. Feedlots 2020		≡
What proportion of non-polled cattle arrived	at the feedlot with horns? Would you say no	ne, some, most, or all?		
None	Some	Most	All	
(Don't know)	(Refused)			
For non-polled cattle with horns at arrival, w	hat proportion were dehorned?			
Would you say none, some, most, or all? None	Some	Most	○ All	
(Don't know)	(Refused)	<u> </u>		
For non-polled cattle with horns at arrival, w				
Would you say none, some, most, or all?		h		
None	Some	☐ Most	○ All	
(Don't know)	(Refused)			

•		Health Management on U.S. Feedlots 2020	≡
Were there other processing procedures used a O Yes	it placement?	○ No	
Please specify what other procedures were perf	formed:		
What proportion of cattle processed as a group Would you say none, some, most, or all? None	received this other procedure? Some	○ Most	All
Since some or most of the cattle received this or	ther procedure as a group at processi	ing, I would like to ask th∰ proportion that received this other	procedure by weight class at arrival.
For cattle that weighed less than 400 lb at arrival Would you say none, some, most, or all?			0.17
None	Some	Most	All
For cattle that weighed between 400 and 699 lb Would you say none, some, most, or all? None	at arrival, what proportion received th	his other procedure? Most	() All
For cattle that weighed 700 lb or more at arrival,	what proportion received this other p	procedure?	Ü
Would you say none, some, most, or all? None	Some	Most	○ All
Θ		A. Other procedures at arrival	Đ
•			
•		Health Management on U.S. Feedlots 2020	≡
I would now like to ask about pen-riding or walki	ing procedures for animals in the feed	dlot during the first 15 days after placement, the second 15 d	ays, and then for those in the feedlot for 30 days or more.
First, for new arrivals that have been in the feed standard procedure?	lot for less than 15 days, how frequen	ntly did pen-riding or walking procedures occur? Was it less t	han once a day, once a day, twice a day, 3 or more times a day or is there no
Less than once a day No standard procedure	Once a day	Twice a day	3 or more times a day
How frequently did pen-riding or walking proced	ures occur between 15-30 days after	placement?	
Was it Less than once a day	Once a day	Twice a day	3 or more times a day
No standard procedure	Once a day	Q Twice a day	3 of filiple tillies a day
How frequently did pen-riding or walking proced	ures occur for animals that have been	n placed for 30 days or more?	
Was it Less than once a day	Once a day	Twice a day	3 or more times a day
No standard procedure	_	_	_

Health Manager	ent on U.S. Feedlots 2020	≡
I would now like to ask about steps that were taken to reduce the effects of stress related to weather.		^
How was weather-related stress mitigated on this feedlot?		
Were shade or shelters used? Yes or No? Yes (Don't know)	No (Refused)	
Were sprinklers, misters, or water trucks used?	(redused)	
Would you say Yes or No? Yes (Don't know)	○ No ○ (Rofused)	
Were wind breaks used? Would you say Yes or No? Yes (Don't know)	No (Refused)	
	(Refused)	
Were mounds built in pens? Would you say Yes or No? Yes (Don't know)	No (Refused)	
Were feed additives, such as yeast, essential oils, or pepper extract, used? Would you say Yes or No? Yes (Don't know)	No (Refused)	
Were other steps taken to mitigate weather-related stress? Would you say Yes or No? Yes	○ No	
Please specify other steps taken: A. Mittgatic	on of weather stress	Ð
		-
Health Managem	ent on U.S. Feedlots 2020	≡
Health Managem Now I would like to switch our attention to disease conditions that occurred in placed cattle. First, between Se affected by bovine respiratory disease, or BRD. Please respond by arrival weight class.		_
Now I would like to switch our attention to disease conditions that occurred in placed cattle. First, between Se	eptember 1, 2019 and August 31, 2020, I would like to ask about the percent of	_
Now I would like to switch our attention to disease conditions that occurred in placed cattle. First, between Se affected by bovine respiratory disease, or BRD. Please respond by arrival weight class.	eptember 1, 2019 and August 31, 2020, I would like to ask about the percent of	_
Now I would like to switch our attention to disease conditions that occurred in placed cattle. First, between Se affected by bovine respiratory disease, or BRD. Please respond by arrival weight class.	eptember 1, 2019 and August 31, 2020, I would like to ask about the percent of	cattle that were
Now I would like to switch our attention to disease conditions that occurred in placed cattle. First, between Se affected by bovine respiratory disease, or BRD. Please respond by arrival weight class. First, of the cattle that weighed less than 400 lb at arrival, what percent became sick due to BRD? Include ca	eptember 1, 2019 and August 31, 2020, I would like to ask about the percent of	cattle that were
Now I would like to switch our attention to disease conditions that occurred in placed cattle. First, between Se affected by bovine respiratory disease, or BRD. Please respond by arrival weight class. First, of the cattle that weighed less than 400 lb at arrival, what percent became sick due to BRD? Include ca	uptember 1, 2019 and August 31, 2020, I would like to ask about the percent of ttle that eventually died.	cattle that were
Now I would like to switch our attention to disease conditions that occurred in placed cattle. First, between Staffected by bovine respiratory disease, or BRD. Please respond by arrival weight class. First, of the cattle that weighed less than 400 lb at arrival, what percent became sick due to BRD? Include cattle placed that weighed less than 400 lb at arrival, what percent died due to BRD?	uptember 1, 2019 and August 31, 2020, I would like to ask about the percent of ttle that eventually died.	Cattle that were
Now I would like to switch our attention to disease conditions that occurred in placed cattle. First, between Staffected by bovine respiratory disease, or BRD. Please respond by arrival weight class. First, of the cattle that weighed less than 400 lb at arrival, what percent became sick due to BRD? Include cattle, of cattle placed that weighed less than 400 lb at arrival, what percent died due to BRD? Of the cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD?	uptember 1, 2019 and August 31, 2020, I would like to ask about the percent of ttle that eventually died.	Cattle that were
Now I would like to switch our attention to disease conditions that occurred in placed cattle. First, between Staffected by bovine respiratory disease, or BRD. Please respond by arrival weight class. First, of the cattle that weighed less than 400 lb at arrival, what percent became sick due to BRD? Include cattle, of cattle placed that weighed less than 400 lb at arrival, what percent died due to BRD? Of the cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD?	eptember 1, 2019 and August 31, 2020, I would like to ask about the percent of ttle that eventually died.	Cattle that were Don't know Don't know
Now I would like to switch our attention to disease conditions that occurred in placed cattle. First, between Staffected by bovine respiratory disease, or BRD. Please respond by arrival weight class. First, of the cattle that weighed less than 400 lb at arrival, what percent became sick due to BRD? Include ca Again, of cattle placed that weighed less than 400 lb at arrival, what percent died due to BRD? Of the cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Again, of cattle placed that weighed between 400 lb and 699 lb at arrival, what percent died due to BRD?	eptember 1, 2019 and August 31, 2020, I would like to ask about the percent of ttle that eventually died.	Cattle that were Don't know Don't know Don't know Don't know Don't know
Now I would like to switch our attention to disease conditions that occurred in placed cattle. First, between St affected by bovine respiratory disease, or BRD. Please respond by arrival weight class. First, of the cattle that weighed less than 400 lb at arrival, what percent became sick due to BRD? Include cattle placed that weighed less than 400 lb at arrival, what percent died due to BRD? Of the cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Again, of cattle placed that weighed between 400 lb and 699 lb at arrival, what percent died due to BRD? Of the cattle that weighed 700 lb or more at arrival, what percent became sick due to BRD? Include cattle that weighed 700 lb or more at arrival, what percent died due to BRD? Include cattle that weighed 700 lb or more at arrival, what percent died due to BRD?	eptember 1, 2019 and August 31, 2020, I would like to ask about the percent of ttle that eventually died.	Cattle that were Don't know Don't know Don't know Don't know
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Now I would like to switch our attention to disease conditions that occurred in placed cattle. First, between St affected by bovine respiratory disease, or BRD. Please respond by arrival weight class. First, of the cattle that weighed less than 400 lb at arrival, what percent became sick due to BRD? Include cattle placed that weighed less than 400 lb at arrival, what percent died due to BRD? Of the cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Again, of cattle placed that weighed between 400 lb and 699 lb at arrival, what percent died due to BRD? Of the cattle that weighed 700 lb or more at arrival, what percent became sick due to BRD? Include cattle that weighed 700 lb or more at arrival, what percent died due to BRD? Include cattle that weighed 700 lb or more at arrival, what percent died due to BRD?	eptember 1, 2019 and August 31, 2020, I would like to ask about the percent of ttle that eventually died.	Cattle that were Don't know Don't know Don't know Don't know Don't know Don't know
Now I would like to switch our attention to disease conditions that occurred in placed cattle. First, between St affocted by bovine respiratory disease, or BRD. Please respond by arrival weight class. First, of the cattle that weighed less than 400 lb at arrival, what percent became sick due to BRD? Include cattle placed that weighed less than 400 lb at arrival, what percent died due to BRD? Of the cattle that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Again, of cattle placed that weighed between 400 lb and 699 lb at arrival, what percent died due to BRD? Of the cattle that weighed 700 lb or more at arrival, what percent became sick due to BRD? Include cattle that weighed 700 lb or more at arrival, what percent died due to BRD? Include cattle that weighed 700 lb or more at arrival, what percent died due to BRD? Of all cattle placed, what percent became sick due to bovine respiratory disease?	eptember 1, 2019 and August 31, 2020, I would like to ask about the percent of ttle that eventually died.	Cattle that were Don't know Don't know Don't know Don't know Don't know Don't know
Now I would like to switch our attention to disease conditions that occurred in placed cattle. First, between St affected by bovine respiratory disease, or BRD. Please respond by arrival weight class. First, of the cattle that weighed less than 400 lb at arrival, what percent became sick due to BRD? Include cattle placed that weighed less than 400 lb at arrival, what percent died due to BRD? Of the cattle placed that weighed between 400 and 699 lb at arrival, what percent became sick due to BRD? Include Again, of cattle placed that weighed between 400 lb and 699 lb at arrival, what percent died due to BRD? Of the cattle that weighed 700 lb or more at arrival, what percent became sick due to BRD? Include cattle that weighed 700 lb or more at arrival, what percent died due to BRD? Of all cattle placed, what percent became sick due to bovine respiratory disease? Of all cattle placed, what percent died due to bovine respiratory disease?	eptember 1, 2019 and August 31, 2020, I would like to ask about the percent of ttle that eventually died.	Cattle that were Don't know Don't know Don't know Don't know Don't know Don't know Don't know

_	Health Management on U.S. Feedlots 2020			_
		h ft		=
	ry throughout the year for many reasons, such as seasonal and weat		and that deal for the con-	
so now I would like to ask about cattle that became sick due to bo reason during these two seasons.	ovine respiratory disease during fall / winter season and during spring	ysummer season. I also want to ask about	cattle that died for the same	
Of all cattle placed that became sick due to BRD, what percent be	ecame sick during the fall and winter months of 2019-2020?			
Fall and winter months include September 1, 2019 - February 29, 2020.			Oon't know	
Vas this lower, higher, or similar to what was expected?				
Lower	Similar	Higher		
Of all cattle placed that became sick due to BRD, what percent be	ecame sick during the spring and suminer months of 2020?			
			On't know	
Spring and summer months include March 1, 2020 - August 31, 2020.				
Was this lower, higher, or similar to what was expected? Lower	Similar	Higher		
9	0	0		
•	A. BRD seaonality			
•	A. BRD seaonality			
•	Health Management on U.S. Feedlots 2020			
Now I would like to ask about cattle that developed various diseas	Health Management on U.S. Feedlots 2020			
Now I would like to ask about cattle that developed various diseas Of all cattle placed, what percent developed	Health Management on U.S. Feedlots 2020 se conditions between September 1, 2019 and August 31, 2020.			
low I would like to ask about cattle that developed various diseas of all cattle placed, what percent developed	Health Management on U.S. Feedlots 2020 se conditions between September 1, 2019 and August 31, 2020.		O Part Insur.	
low I would like to ask about cattle that developed various diseas of all cattle placed, what percent developed kcute instititial pneumonia such as dust pneumonia or atypical pn	Health Management on U.S. Feedlots 2020 se conditions between September 1, 2019 and August 31, 2020.		○ Don't know	
Now I would like to ask about cattle that developed various diseas Of all cattle placed, what percent developed Acute instititial pneumonia such as dust pneumonia or atypical pn	Health Management on U.S. Feedlots 2020 se conditions between September 1, 2019 and August 31, 2020.			
low I would like to ask about cattle that developed various diseas of all cattle placed, what percent developed kcute instititial pneumonia such as dust pneumonia or atypical pn	Health Management on U.S. Feedlots 2020 se conditions between September 1, 2019 and August 31, 2020.		○ Don't know	
low I would like to ask about cattle that developed various diseas of all cattle placed, what percent developed cute instititial pneumonia such as dust pneumonia or atypical pn	Health Management on U.S. Feedlots 2020 se conditions between September 1, 2019 and August 31, 2020.		O Don't know	
Now I would like to ask about cattle that developed various diseas Of all cattle placed, what percent developed Acute instititial pneumonia such as dust pneumonia or atypical pn	Health Management on U.S. Feedlots 2020 se conditions between September 1, 2019 and August 31, 2020.			
Now I would like to ask about cattle that developed various disease of all cattle placed, what percent developed Acute instititial pneumonia such as dust pneumonia or atypical pneumonia? Other GI disease such as coccidiosis or enteritis?	Health Management on U.S. Feedlots 2020 se conditions between September 1, 2019 and August 31, 2020.		O Don't know	=
Now I would like to ask about cattle that developed various diseas of all cattle placed, what percent developed Acute instititial pneumonia such as dust pneumonia or atypical pn sloat? Other GI disease such as coccidiosis or enteritis?	Health Management on U.S. Feedlots 2020 se conditions between September 1, 2019 and August 31, 2020.		O Don't know	
Now I would like to ask about cattle that developed various diseas of all cattle placed, what percent developed Acute instititial pneumonia such as dust pneumonia or atypical pn sloat? Other GI disease such as coccidiosis or enteritis?	Health Management on U.S. Feedlots 2020 se conditions between September 1, 2019 and August 31, 2020.		Den't know	

A. Disease conditions

On't know

On't know

On't know

Ð

Central nervous system disease such as polio, listeriosis, or "brainers"?

Heart disease such as heart failure or brisket disease?

Fatigued cattle syndrome?

G

	Health Management on U.S. Feedlots 2020	=
Regarding the cattle with hairy heel wart, were footbal		
Yes	○ No	
(Don't know)	(Refused)	
	ical sprays used for therapy? Was it copper sulfate, formalin, hydrogen peroxide, or Oxytetracyo	line?
Copper sulfate		
Formalin / Formaldehyde Hydrogen sulfide		
Oxytetracycline		
Other		
(Don't know)	A	
What other type of footbath or topical spray was used		
G	A. Hairy heel warts	Ð
•	Health Management on U.S. Feedlots 2020	≡
_		≡
For cattle that died in the feedlot, what proportion received None	eived a post-mortem examination? Would you say none, some, most, or all? Some Most	■ ○ All
For cattle that died in the feedlot, what proportion rece	eived a post-mortem examination? Would you say none, some, most, or all?	
For cattle that died in the feedlot, what proportion rece None	eived a post-mortem examination? Would you say none, some, most, or all? Some Most	
For cattle that died in the feedlot, what proportion rece None	eived a post-mortem examination? Would you say none, some, most, or all? Some Most	
For cattle that died in the feedlot, what proportion rece None	eived a post-mortem examination? Would you say none, some, most, or all? Some Most	
For cattle that died in the feedlot, what proportion rece None	eived a post-mortem examination? Would you say none, some, most, or all? Some Most	
For cattle that died in the feedlot, what proportion rece None	eived a post-mortem examination? Would you say none, some, most, or all? Some Most	
For cattle that died in the feedlot, what proportion rece None	eived a post-mortem examination? Would you say none, some, most, or all? Some Most	
For cattle that died in the feedlot, what proportion rece None	eived a post-mortem examination? Would you say none, some, most, or all? Some Most	
For cattle that died in the feedlot, what proportion rece None	eived a post-mortem examination? Would you say none, some, most, or all? Some Most	
For cattle that died in the feedlot, what proportion rece None	eived a post-mortem examination? Would you say none, some, most, or all? Some Most	
For cattle that died in the feedlot, what proportion rece None	sived a post-mortem examination? Would you say none, some, most, or all? Some (Refused)	
For cattle that died in the feedlot, what proportion rece None	sived a post-mortem examination? Would you say none, some, most, or all? Some (Refused)	
For cattle that died in the feedlot, what proportion rece None	sived a post-mortem examination? Would you say none, some, most, or all? Some (Refused)	
For cattle that died in the feedlot, what proportion rece None	sived a post-mortem examination? Would you say none, some, most, or all? Some (Refused)	
For cattle that died in the feedlot, what proportion rece None	sived a post-mortem examination? Would you say none, some, most, or all? Some (Refused)	
For cattle that died in the feedlot, what proportion rece None	sived a post-mortem examination? Would you say none, some, most, or all? Some (Refused)	
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For cattle that died in the feedlot, what proportion rece None	sived a post-mortem examination? Would you say none, some, most, or all? Some (Refused)	
For cattle that died in the feedlot, what proportion rece None	sived a post-mortem examination? Would you say none, some, most, or all? Some (Refused)	

- Call Marin	gement on U.S. Feedlots 2020	
Now I would like to ask about the initial treatment course for bovine respiratory disease, digestive disorder	rs, footrot, and pinkeye.	^
First, which of the following are part of the initial course of treatment for bovine respiratory disease?		
Are injectable antibiotics? Yes or No?		
Yes	○ No	
(Don't know)	(Refused)	
Bolus-dose oral antibiotic? Would you say Yes or No?		
Yes	○ No	
(Don't know)	(Refused)	
In feed antibiotic?		
Would you say Yes or No? Yes	No No	
(Don't know)	(Refused)	
Respiratory vaccine?		
Would you say Yes or No? Yes	○ No	
(Don't know)	(Refused)	
Corticosteroid such as dexamethasone?	-	
○ Yes	○ No	
(Don't know)	(Refused)	
Nonsteroidal anti-inflammatory such as Banamine or aspirin		
Yes	○ No	
(Don't know)	(Refused)	Ų
Antihistamine? A. Initial	treatment course - BRD	Ð
		\sim
Health Mana:	gement on U.S. Feedlots 2020	
<u></u>	·	■
Antihistamine?		=
Yes	○ No	
Yes (Don't know) Vitamin B injection?	No (Refused)	
Yes (Don't know) Vitamin B injection? Yes	No (Refused)	
Yes (Don't know)	No (Refused)	
Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection?	No (Refused) No (Refused)	
Yes (Don't know)	No (Refused)	
Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes	No (Refused) No (Refused) No (Refused)	
Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate? Yes	No (Refused) No (Refused) No (Refused) No (Refused)	
Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate?	No (Refused) No (Refused) No (Refused)	
Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know) Injectable mineral supplement, such as MultiMin?	No (Refused) No (Refused) No (Refused) No (Refused) No (Refused)	
Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know) Injectable mineral supplement, such as MultiMin? Yes	No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No (Refused)	
Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know) Injectable mineral supplement, such as MultiMin? Yes (Don't know)	No (Refused) No (Refused) No (Refused) No (Refused) No (Refused)	
Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know) Injectable mineral supplement, such as MultiMin? Yes (Don't know) Probiotic paste?	No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No (Refused)	
Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know) Injectable mineral supplement, such as MultiMin? Yes (Don't know)	No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No (Refused)	
Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know) Injectable mineral supplement, such as MultiMin? Yes (Don't know) Probiotic paste? Yes	No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No (Refused)	
Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know) Imjectable mineral supplement, such as MultiMin? Yes (Don't know) Vitamin C injection? Yes (Don't know) Imperature of the initial course of treatment for bovine respiratory disease?	No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No (Refused)	
Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know) Imjectable mineral supplement, such as MultiMin? Yes (Don't know) Vitamin C injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Was there anything else done as part of the initial course of treatment for bovine respiratory disease? Yes What else was done as part of the initial course of treatment:	No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No (Refused)	

Hea	salth Management on U.S. Feedlots 2020	≡
Secondly, I would like to ask about the initial course of treatment for digestive disorders such as co	coccidiosis or diarrhea. Do not consider treatment for bloat.	^
Which of the following are part of the initial course of treatment for digestive disorders?		
Injectable antibiotics? Yes or No? Yes (Don'l know)	No (Refused)	
Bolus-dose oral antibiotic? Would you say Yes or No? Yes (Don't know)	○ No ○ (Refused)	
In feed antibiotic? Would you say Yes or No? Yes (Don't Know)	○ No ③ (Refused)	
Corticosteroid such as dexamethasone? Would you say Yes or No? Yes (Don't know)	○ No ○ (Refused)	
Nonsteroidal anti-inflammatory such as Banamine or aspirin Yes (Don't know)	No (Refused)	
Antihistamine? Yes (Don't know)	○ No ○ (Refused)	
Vitamin B injection? A.	. Initial treatment course - Digestive	Ð
● Hea	ealth Management on U.S. Feedlots 2020	≡
Antihistamine? Yes (Don't know)	No (Refused)	^
Vitamin B injection? Yes (Don't know)	○ No ○ (Rofused)	
Vitamin C injection? Yes (Don't know)	No (Refused)	
Immunostimulant such as Zelnate? Yes (Don't know)	No (Refused)	
Injectable mineral supplement, such as MultiMin? Yes (Don't know)	○ No ○ (Rofused)	
Probiotic paste? Yes (Don't know)	○ No ○ (Refused)	
Was there anything else done as part of the initial course of treatment for digestive disorders? Yes What else was done as part of the initial course of treatment:	○ No	
The saw has done as part of the finial course of fleathfelt.		
♦	. Initial treatment course - Digestive	Ð

•	Health Management on U.S. Feedlots 2020	≡
Thirdly, which of the following are part of the initial course of treatment for Footrot?		^
Injectable antibiotics? Yes or No? Yes (Don't know)	No (Refused)	
Bolus-dose oral antibiotic? Would you say Yes or No? Yes (Don't know)	No (Rofusod)	
Topical antibiotic? Would you say Yes or No? Yes ✓ (Don't know)	No (Refused)	
Corticosteroid such as dexamethasone? Yes (Don't know)	No (Refused)	
Nonsteroidal anti-inflammatory such as Banamine or aspirin Yes (Don't know)	○ No ○ (Refused)	
Antihistamine? Yes (Don't know)	○ No ○ (Refused)	
Vitamin B injection? Yes One of the control of th	No (Refused) A. Initial treatment course - Footrot	•
•	Health Management on U.S. Feedlots 2020	≡
Anthistamine? Yes ((Don't know)	No (Refused)	î
Vitamin B injection? Yes (Don't know)	No (Refused)	
Vitamin C injection? Yes (Don't know)	No (Refused)	
Immunostimulant such as Zeinate? Yes (Don't know)	○ No	
Injectable mineral supplement, such as MultiMin? Yes (Don't know)	No (Refused)	
Probiotic paste? Yes (Don't know)	No (Refused)	
Was there anything else done as part of the initial course of treatment for lameness? Yes	○ No	
What else was done as part of the initial course of treatment:	A lalifiel trasimant course. Eastrol	•
	A. Initial treatment course - Footrot	

•	Health Management on U.S. Feedlots 2020	≡
Lastly, which of the following are part of the initial course of treatment for pinkeye?		^
Injectable antibiotics? Yes or No?		
Yes (Don't know)	○ No ○ (Refused)	
Bolus-dose oral antibiotic?	(,	
Would you say Yes or No? Yes	○ No	
(Don't know)	(Refused)	
Topical antibiotic?	₽	
Yes	No No	
(Don't know)	(Refused)	
Corticosteroid such as dexamethasone? Yes	○ No	
(Don't know)	(Refused)	
Nonsteroidal anti-inflammatory such as Banamine or aspirin		
Yes (Don't know)	No (Refused)	
Antihistamine?	(Indiana)	
Yes	○ No	
(Don't know)	(Refused)	
Vitamin B injection?	O No.	
Yes (Don't know)	○ No ○ (Refused)	_
G	A. Initial treatment course - Pinkeye	Ð
	A. Illidai deadlielit Codi se - Filikeye	•
		•
•	Health Management on U.S. Feedlots 2020	≡
Antihistamine?	Health Management on U.S. Feedlots 2020	
Antihistamine?	Health Management on U.S. Feedlots 2020	≡
Antihistamine? Yes (Don't know)	Health Management on U.S. Feedlots 2020	≡
Antihistamine?	Health Management on U.S. Feedlots 2020	≡
Antihistamine? Yes (Don't know) Vitamin B injection?	Health Management on U.S. Feedlots 2020 No (Refused)	≡
Antihistamine? Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection?	Health Management on U.S. Feedlots 2020 No (Refused) No (Refused)	≡
Antihistamine? Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes	Health Management on U.S. Feedlots 2020 No (Refused) No (Refused) No	≡
Antihistamine? Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes (Don't know)	Health Management on U.S. Feedlots 2020 No (Refused) No (Refused)	≡
Antihistamine? Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes	Health Management on U.S. Feedlots 2020 No (Refused) No (Refused) No (Refused)	≡
Antihistamine? Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate?	Health Management on U.S. Feedlots 2020 No (Refused) No (Refused) No (Refused)	≡
Antihistamine? Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know) Injectable mineral supplement, such as MultiMin?	Health Management on U.S. Feedlots 2020 No (Refused) No (Refused) No (Refused) No (Refused)	≡
Antihistamine? Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know)	Health Management on U.S. Feedlots 2020 No (Refused) No (Refused) No (Refused) No (Refused)	≡
Anthistamine? Yes ((Don't know) Vitamin B injection? Yes ((Don't know) Vitamin C injection? Yes ((Don't know) Immunostimulant such as Zelnate? Yes ((Don't know) Immunostimulant such as Zelnate? Yes ((Don't know) Injectable mineral supplement, such as MultiMin? (Yes	Health Management on U.S. Feedlots 2020 No (Refused) No (Refused) No (Refused) No (Refused) No (Refused)	≡
Antihistamine? Yes (Don't know) Vitamin C injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know) Injectable mineral supplement, such as MultiMin? Yes (Don't know) Probiotic paste? Yes	Health Management on U.S. Feedlots 2020 No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No No (Refused)	≡
Antihistamine? Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know) Probiotic paste? Yes (Don't know) Probiotic paste? Yes (Don't know)	Health Management on U.S. Feedlots 2020 No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No (Refused)	≡
Antihistamine? Yes (Don't know) Vitamin C injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know) Impictable mineral supplement, such as MultiMin? Yes (Don't know) Probiotic paste? Yes (Don't know) Was there anything else done as part of the initial course of treatment for pinkeye?	Health Management on U.S. Feedlots 2020 No (Refused)	≡
Antihistamine? Yes (Don't know) Vitamin B injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know) Implicable mineral supplement, such as MultiMin? Yes (Don't know) Probiotic paste? Yes (Don't know) Probiotic paste? Yes (Don't know) Was there anything else done as part of the initial course of treatment for pinkeye?	Health Management on U.S. Feedlots 2020 No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No No (Refused)	≡
Antihistamine? Yes (Don't know) Vitamin C injection? Yes (Don't know) Vitamin C injection? Yes (Don't know) Immunostimulant such as Zelnate? Yes (Don't know) Impictable mineral supplement, such as MultiMin? Yes (Don't know) Probiotic paste? Yes (Don't know) Was there anything else done as part of the initial course of treatment for pinkeye?	Health Management on U.S. Feedlots 2020 No (Refused)	≡

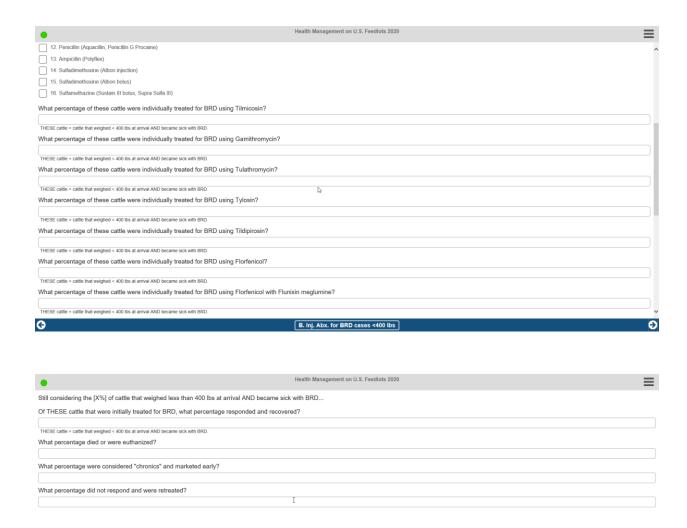
	Health Management on U.S. Feedlot	ts 2020		=
I would now like to ask about housing of sick cattle.				^
Were there separate pens to house sick cattle? Some refer to Yes (Don't know)	o these as "hospital pens"? Would you say Yes or No? No (Refused)			
	e in the hosptial pens? Was it none of the time, some of the time a	as needed or all of the ti	me	
How about wind breaks? Were wind breaks provided none, s		as needed, or an or the th		
None of the time (Don't know)	Some of the time (Refused)	(All of the time	
Was shade provided none, some, or all of the time? None of the time (Don't know)	Some of the time (Refused)	(All of the time	
Were sprinklers or misters for cooling cattle provided none, s None of the time	- C		All of the time	
(Don't know)	(Refused)	D ₀		
Was additional bedding, beyond what is normally available, p None of the time (Don't know)	provided none, some, or all of the time? Some of the time (Refused)	(All of the time	
Was additional hay to eat, beyond what is normally available. None of the time (Don't know)	, provided none, some, or all of the time? Some of the time (Refused)	(All of the time	
	hat is normally available, provided none, some, or all of the time? Some of the time (Retrisen)	(All of the time	·
(a)	A. Hospital pen			Ð
•	Health Management on U.S. Feedlot	ts 2020		≡
(Don't know)	Health Management on U.S. Feedlot	ts 2020	y + 10 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	≡
(Don't know) Was additional bedding, beyond what is normally available, p None of the time (Don't know)	(Refused)		All of the time	=
Was additional bedding, beyond what is normally available, p None of the time (Don't know) Was additional hay to eat, beyond what is normally available. None of the time	(Refused) provided none, some, or all of the time? Some of the time (Refused) provided none, some, or all of the time? Some of the time?		All of the time	^
Was additional bedding, beyond what is normally available, p None of the time (Don't know) Was additional hay to eat, beyond what is normally available None of the time (Don't know)	(Refused) provided none, some, or all of the time? Some of the time (Refused) provided none, some, or all of the time?	(= ^
Was additional bedding, beyond what is normally available, p None of the time (Don't know) Was additional hay to eat, beyond what is normally available, None of the time (Don't know) Was additional waterer space or feed bunk space, beyond with None of the time	(Refused) provided none, some, or all of the time? Some of the time (Refused) provided none, some, or all of the time? Some of the time (Refused) hat is normally available, provided none, some, or all of the time? Some of the time (Refused)		All of the time	Î
Was additional bedding, beyond what is normally available, p None of the time (Don't know) Was additional hay to eat, beyond what is normally available None of the time (Don't know) Was additional waterer space or feed bunk space, beyond with time (Don't know) Was increased observation to sick cattle given none, some, of None of the time (Don't know) Was dust control provided none, some, or all of the time? None of the time	(Refused) provided none, some, or all of the time? Some of the time (Refused) provided none, some, or all of the time? Some of the time (Refused) hat is normally available, provided none, some, or all of the time? Some of the time (Refused) or all of the time? Some of the time (Refused) Some of the time Some of the time Some of the time		All of the time All of the time	
Was additional bedding, beyond what is normally available, p None of the time (Don't know) Was additional hay to eat, beyond what is normally available None of the time (Don't know) Was additional waterer space or feed bunk space, beyond with the companient of the time (Don't know) Was increased observation to sick cattle given none, some, of None of the time (Don't know) Was dust control provided none, some, or all of the time?	(Refused) provided none, some, or all of the time? Some of the time (Refused) provided none, some, or all of the time? Some of the time (Refused) hat is normally available, provided none, some, or all of the time? Some of the time (Refused) or all of the time? Some of the time (Refused) Some of the time (Refused)		All of the time All of the time All of the time	
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Was additional bedding, beyond what is normally available, p None of the time ((Don't know)) Was additional hay to eat, beyond what is normally available None of the time ((Don't know)) Was additional waterer space or feed bunk space, beyond with None of the time ((Don't know)) Was additional waterer space or feed bunk space, beyond with None of the time ((Don't know)) Was increased observation to sick cattle given none, some, of None of the time ((Don't know)) Was dust control provided none, some, or all of the time? (None of the time ((Don't know)) Were there other resources provided to sick cattle in hospital (Yes) What else was provided?	(Refused) provided none, some, or all of the time? Some of the time (Refused) provided none, some, or all of the time? Some of the time (Refused) hat is normally available, provided none, some, or all of the time? Some of the time (Refused) or all of the time? (Refused) Some of the time (Refused) Some of the time (Refused)		All of the time All of the time All of the time	
Was additional bedding, beyond what is normally available, p None of the time (Don't know) Was additional hay to eat, beyond what is normally available None of the time (Don't know) Was additional waterer space or feed bunk space, beyond w None of the time (Don't know) Was increased observation to sick cattle given none, some, of None of the time (Don't know) Was dust control provided none, some, or all of the time? None of the time (Don't know) Was dust control provided none, some, or all of the time? None of the time (Don't know) Were there other resources provided to sick cattle in hospital	(Refused) provided none, some, or all of the time? Some of the time (Refused) provided none, some, or all of the time? Some of the time (Refused) hat is normally available, provided none, some, or all of the time? Some of the time (Refused) or all of the time? (Refused) Some of the time (Refused) Some of the time (Refused)		All of the time All of the time All of the time	

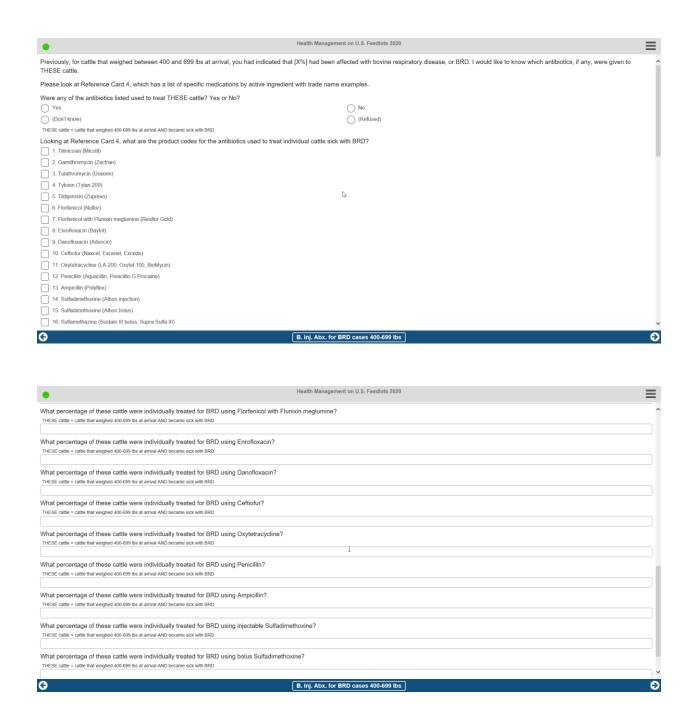
Health Manageme	ent on U.S. Feedlots 2020	≡
Now I would like to ask about cattle affected with liver abscesses at slaughter.		^
Did slaugther facilities provide you with the percentage of cattle with condemned liver abscesses? Yes or No?		
Yes	O No	
(Don't know)	(Refused)	
Regarding slaughtered cattle from this feedlot, were there any beef breed cattle that had been given in-feed a Yes	ntibiotics? Yes or No?	
(Refused)		
What percentage of these cattle had condemned livers?		
		On't know
Regarding slaughtered cattle from this feedlot, were there any dairy breed cattle that had been given in-feed a		
Yes (Refused)	○ No	
	lφ'	
What percentage of these cattle had condemned livers?		O Don't know
Regarding slaughtered cattle from this feedlot, were there any beef breed cattle that had NOT been given in-fe	and antihistica 2 Van an Na 2	Obolitalow
Yes	No	
(Refused)		
What percentage of these cattle had condemned livers?		
		O Don't know
Regarding slaughtered cattle from this feedlot, were there any dairy breed cattle that had NOT been given in-		
Yes	○ No	
(Refused)	er abscesses	Ð
Health Manageme	int on U.S. Feedlots 2020	≡
Health Manageme Now I would like to ask about death loss in late fed cattle. Late fed cattle are cattle fed 100 days or more.	ent on U.S. Feedlots 2020	=
Now I would like to ask about death loss in late fed cattle. Late fed cattle are cattle fed 100 days or more. In the past five years, has there been an increase in death loss of late fed cattle? Yes or No?		≡ Î
Now I would like to ask about death loss in late fed cattle. Late fed cattle are cattle fed 100 days or more. In the past five years, has there been an increase in death loss of late fed cattle? Yes or No? Yes	○ No	≡ Î
Now I would like to ask about death loss in late fed cattle. Late fed cattle are cattle fed 100 days or more. In the past five years, has there been an increase in death loss of late fed cattle? Yes or No? Yes (Don't know)		≡ Î
Now I would like to ask about death loss in late fed cattle. Late fed cattle are cattle fed 100 days or more. In the past five years, has there been an increase in death loss of late fed cattle? Yes or No? Yes (Don't know) Which of the following was associated with the increase death loss of late fed cattle.	○ No	Î
Now I would like to ask about death loss in late fed cattle. Late fed cattle are cattle fed 100 days or more. In the past five years, has there been an increase in death loss of late fed cattle? Yes or No? Yes (Don't know)	○ No	≡ Î
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Now I would like to ask about death loss in late fed cattle. Late fed cattle are cattle fed 100 days or more. In the past five years, has there been an increase in death loss of late fed cattle? Yes or No? Yes (bon't know) Which of the following was associated with the increase death loss of late fed cattle. Was it due to acute interstitial pneumonia? Yes or No? Yes (bon't know) Excluding acute interstitial pnuemonia, was it due to bovine respiratory disease?	No (Refused)	Î
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Now I would like to ask about death loss in late fed cattle. Late fed cattle are cattle fed 100 days or more. In the past five years, has there been an increase in death loss of late fed cattle? Yes or No? Yes (Don't know) Which of the following was associated with the increase death loss of late fed cattle. Was it due to acute interstitial pneumonia? Yes or No? Yes (Don't know) Excluding acute interstitial pnuemonia, was it due to bovine respiratory disease? Would you say Yes or No? Yes (Don't know) Was it due to injury? Yes	No (Refused) No (Refused) No (Refused) No (Refused)	Î
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Now I would like to ask about death loss in late fed cattle. Late fed cattle are cattle fed 100 days or more. In the past five years, has there been an increase in death loss of late fed cattle? Yes or No? Yes (Don't know) Which of the following was associated with the increase death loss of late fed cattle. Was it due to acute interstitial pneumonia? Yes or No? Yes (Don't know) Excluding acute interstitial pnuemonia, was it due to bovine respiratory disease? Wood you say Yes or No? Yes (Don't know) Was it due to injury? Yes (Don't know) Was it due to fatigued cattle syndrome? Yes (Don't know) Was it due to heart failure? Yes	No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No (Refused)	
Now I would like to ask about death loss in late fed cattle. Late fed cattle are cattle fed 100 days or more. In the past five years, has there been an increase in death loss of late fed cattle? Yes or No? Yes (Don't know) Which of the following was associated with the increase death loss of late fed cattle. Was it due to acute interstitial pneumonia? Yes or No? Yes (Don't know) Excluding acute interstitial pnuemonia, was it due to bovine respiratory disease? Would you say Yes or No? Yes (Don't know) Was it due to injury? Yes (Don't know) Was it due to fatigued cattle syndrome? Yes (Don't know) Was it due to heart failure? Yes (Don't know)	No (Refused) No (Refused) No (Refused) No (Refused) No (Refused)	
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Health Management on US Feedlots 2020, electronic version, Section B

•		Health Management on U.S. Feedlots 2020		≡
I would like to start by asking about the sele	ection of antibiotics that were given to cattle by	y injection or bolus-dosed. Please tell me how	w important the following factors were in sele	cting which antibiotics were given.
How important were the recommendations Not important	of a veterinarian? Would you say not important Slightly important	nt, slightly important, moderately important, v Moderately important	rery important, or extremely important? Very important	Extremely important
How important were the recommendations Would you say Not important	of other producers? Slightly important	Moderately important	Very important	Extremely important
How important were laboratory test results? Would you say Not important	Slightly important	Moderately important	Very important	Extremely important
How important were drug company advertis	ements?			
Would you say Not important	Slightly important	○ Moderately <u>T</u> important	Very important	Extremely important
How important was personal experience? Would you say Not important	Slightly important	Moderately important	Very important	Extremely important
How important was the cost of the antibiotic	?			
Would you say Not important	Slightly important	Moderately important	Very important	Extremely important
How important was the approved route by v	which the antibiotic was given?			
Would you say Not important	Slightly important	Moderately important	Very important	Extremely important
•	For example, that the antibiotic only needs to	be given once.		
Would you say Not important	Slightly important	Moderately important	Very important	Extremely important
How important was the withdrawal time of the	he antibiotic?			,
©		B. Inj. Abx selection		e e
•		Health Management on U.S. Feedlots 2020		=
Now I would like to turn our attention to the	use of antibiotics. Antibiotics can be given to	cattle in many ways - injected, bolused, in fe	ed, or in water.	
Regardless of how they were given, were the Yes	nere any antibiotics given to cattle in this feed	lot between September 1, 2019 and August 3	31, 2020? Yes or No?	
(Don't know)		Refused to answer	r	
Were there any antibiotics given to cattle in Yes or No? Yes (Don't know)	this feedlot via injection or bolus-dosed?	○ No ○ Refused to answer	r	
		NE		

	Health Management on U.S. Feedlots 2020	_
•	Health Management on U.S. Feedlots 2020	
For the next several questions, only consider these antibiotics that were given	ren to cattle via injection or bolus-dosed.	
I will first ask about which antibiotics were given for the treatment of individu	ual cattle affected with bovine respiratory disease.	
Then we will look at which antibiotics were given to groups of cattle for the		
	cated that [X%] had been affected with bovine respiratory disease. I would like to know which antibiotics, if any, were given to THESE cattle.	
Please look at the Antibiotic reference card, which has a list of specific med	lications by active ingredient with trade name examples.	
Were any of the antibiotics listed given to THESE cattle? Yes or No?		
Yes	○ No	
(Don't know)	Refused to answer	
THESE cattle = cattle that weighed < 400 lbs at arrival AND became sick with BRD.		
	la contraction of the contractio	
	υβ	
Q	B. Inj. Abx for BRD (Indiv.) Intro	Ð
	The state of the s	
•	Health Management on U.S. Feedlots 2020	_
•	Health Management on U.S. Feedlots 2020	=
Previously, for cattle that weighed less than 400 lbs at arrival, you had indic	Health Management on U.S. Feedlots 2020 cated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE cated.	
Previously, for cattle that weighed less than 400 lbs at arrival, you had indic	cated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE catt	
Please look at Reference Card 4, which has a list of specific medications by	cated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE catt	
	cated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE catt	
Please look at Reference Card 4, which has a list of specific medications by Were any of the antibiotics listed used to treat THESE cattle? Yes or No?	cated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE catt y active ingredient with trade name examples.	
Please look at Reference Card 4, which has a list of specific medications by Were any of the antibiotics listed used to treat THESE cattle? Yes or No? Yes	cated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE catt y active ingredient with trade name examples. No	
Please look at Reference Card 4, which has a list of specific medications by Were any of the antibiotics listed used to treat THESE cattle? Yes or No? Yes (Don't know) THESE cattle - cattle that weighed < 400 lbs at arrival AND became sick with BRD. Looking at Reference Card 4, what are the product codes for the antibiotics	cated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE catt y active ingredient with trade name examples. No (Refused)	
Please look at Reference Card 4, which has a list of specific medications by Were any of the antibiotics listed used to treat THESE cattle? Yes or No? Yes (Con't know) THESE cattle - cattle that weighed < 400 lbs at armival AND became sick with BRD. Looking at Reference Card 4, what are the product codes for the antibiotics 1. Tilmicosin (Micotil)	cated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE catt y active ingredient with trade name examples. No (Refused)	
Please look at Reference Card 4, which has a list of specific medications by Were any of the antibiotics listed used to treat THESE cattle? Yes or No? Yes (Don't know) THESE cattle - cattle that weighed < 400 bs at arrival AND became sick with BRD. Looking at Reference Card 4, what are the product codes for the antibiotics 1. Talmicosin (Micotii) 2. Gamithromycin (Zactran)	cated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE catt y active ingredient with trade name examples. No (Refused)	
Please look at Reference Card 4, which has a list of specific medications by Were any of the antibiotics listed used to treat THESE cattle? Yes or No? Yes (Don't know) THESE cattle - cattle that weighed < 400 lbs at armyal AND became sick with BRD. Looking at Reference Card 4, what are the product codes for the antibiotics 1. Tillnicosin (Micotil) 2. Gamilthromycin (Zactran) 3. Tulathromycin (Draxxin)	cated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE catt y active ingredient with trade name examples. No (Refused)	
Please look at Reference Card 4, which has a list of specific medications by Were any of the antibiotics listed used to treat THESE cattle? Yes or No? Yes (Don't know) THESE cattle - cattle that weighed < 400 lbs at arrival AND became sick with BRD. Looking at Reference Card 4, what are the product codes for the antibiotics 1. Tilmicosin (Micotil) 2. Gamilthromycin (Zactran) 3. Tulathromycin (Draxxin) 4. Tylosin (Tylan 200)	cated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE catt y active ingredient with trade name examples. No (Refused) used to treat individual cattle sick with BRD?	
Please look at Reference Card 4, which has a list of specific medications by Were any of the antibiotics listed used to treat THESE cattle? Yes or No? Yes (Don't know) THESE cattle - cattle that weighted - 400 tbs at arrival AND became sick with BRD. Looking at Reference Card 4, what are the product codes for the antibiotics 1. Tilmicosin (Micotil) 2. Gamithromycin (Zactran) 3. Tulethromycin (Draxxin) 4. Tylosin (Tylan 200) 5. Tildipirosin (Zuprevo)	cated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE catt y active ingredient with trade name examples. No (Refused)	
Please look at Reference Card 4, which has a list of specific medications by Were any of the antibiotics listed used to treat THESE cattle? Yes or No? Yes (Don't know) THESE cattle - cattle that weighted < 400 tbs at arrival AND became sick with BRD. Looking at Reference Card 4, what are the product codes for the antibiotics 1. Tilmicosin (Micotil) 2. Gamithromycin (Zactran) 3. Tudethromycin (Drasoin) 4. Tylosin (Tylan 200) 5. Tildipirosin (Zuprevo) 6. Florfenicol (Nutlor)	cated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE catt y active ingredient with trade name examples. No (Refused) used to treat individual cattle sick with BRD?	
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Please look at Reference Card 4, which has a list of specific medications by Were any of the antibiotics listed used to treat THESE cattle? Yes or No? Yes (Don't know) THESE cattle cattle that weighed < 400 lbs at arrival AND became sick with BRD. Looking at Reference Card 4, what are the product codes for the antibiotics 1. Tilmicosin (Micotil) 2. Gamithromycin (Zactran) 3. Tufathromycin (Draxxin) 4. Tylosin (Tylan 200) 5. Tildipirosin (Zuprovo) 6. Florfenicol (Nuflor) 7. Florfenicol (Nuflor) 9. Danofloxacin (Baytril) 9. Danofloxacin (Baytril) 10. Ceffiofur (Naxcel, Excenel, Excede) 11. Coyletracycline (LA-200, Oxytet 100, BioMycin)	cated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE catt y active ingredient with trade name examples. No (Refused) used to treat individual cattle sick with BRD?	
Please look at Reference Card 4, which has a list of specific medications by Were any of the antibiotics listed used to treat THESE cattle? Yes or No? \[\text{Yes} \] \[\text{(Con't know)} \] \[\text{THESE cattle * cattle that weighted < 400 lbs at arrival AND became sick with BRD.} \[\text{Looking at Reference Card 4, what are the product codes for the antibiotics} \] \[\text{1. Tilmicosin (Micotli)} \] \[\text{2. Gamithromycin (Zactran)} \] \[\text{3. Tullathromycin (Draxxin)} \] \[\text{4. Tyldisin (Tylan 200)} \] \[\text{5. Tildipriosin (Zuprevo)} \] \[\text{6. Fiorfenicol (Wilfor)} \] \[\text{7. Fiorfenicol (Wilfor)} \] \[\text{9. Danofloxacin (Baytril)} \] \[\text{9. Danofloxacin (Advocin)} \] \[\text{10. Cystefracycline (LA-200, Oxyfet 100, BioMycin)} \] \[\text{12. Penicillin (Aquacillin, Penicillin G Procaine)} \]	cated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE catt y active ingredient with trade name examples. No (Refused) used to treat individual cattle sick with BRD?	
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Please look at Reference Card 4, which has a list of specific medications by Were any of the antibiotics listed used to treat THESE cattle? Yes or No? Yes (Don't know) THESE cattle = cattle that weighed < 400 lbs at arrival AND became sick with BRD. Looking at Reference Card 4, what are the product codes for the antibiotics 1. Talmicosin (Micotil) 2. Gamithromycin (Zactran) 3. Tulathromycin (Draxxin) 4. Tylosin (Tylan 200) 5. Tildiprosin (Zuprevo) 6. Florfenicol (Nullor) 7. Florfenicol (Nullor) 9. Danofloxacin (Raytril) 9. Danofloxacin (Raytril) 10. Celfiofur (Nazcel, Excenel, Excede) 11. Oxyletracycline (LA-200, Oxylet 100, BioMycin) 12. Penicillin (Aquacillin, Penicillin G Procaine) 13. Ampicillin (Polyflex) 14. Sulfadimethoxine (Albon injection) 15. Sulfadimethoxine (Albon injection)	cated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE catt y active ingredient with trade name examples. No (Refused) sused to treat individual cattle sick with BRD?	







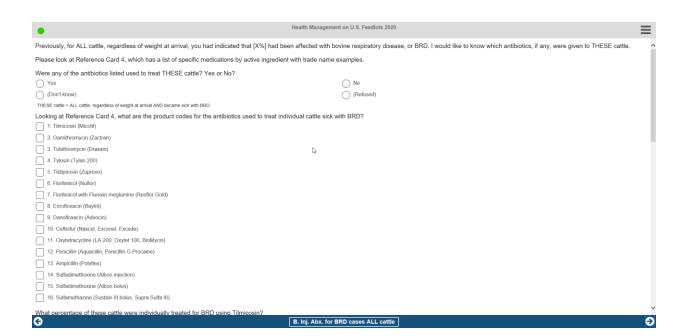
Health Management on U.S. Feedlots 2020 \equiv Previously, for cattle that weighed 700 or more Ibs at arrival, you had indicated that [X%] had been affected with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE cattle. Please look at Reference Card 4, which has a list of specific medications by active ingredient with trade name examples. Were any of the antibiotics listed used to treat THESE cattle? Yes or No? ○ No O Yes (Refused) (Don't know) THESE cattle = cattle that weighed 700 or more lbs at arrival AND became sick with BRD. Looking at Reference Card 4, what are the product codes for the antibiotics used to treat individual cattle sick with BRD? 1. Tilmicosin (Micotil) 2. Gamithromycin (Zactran) 3. Tulathromycin (Draxxin)
4. Tylosin (Tylan 200) 5. Tildipirosin (Zuprevo) 6. Florfenicol (Nuflor) D 7. Florfenicol with Flunixin meglumine (Resflor Gold) 8. Enrofloxacin (Baytril) 9. Danofloxacin (Advocin) 10. Ceftiofur (Naxcel, Excenel, Excede) 11. Oxytetracycline (LA-200, Oxytet 100, BioMycin) 12. Penicillin (Aquacillin, Penicillin G Procaine) 13. Ampicillin (Polyflex) 14. Sulfadimethoxine (Albon injection) 15. Sulfadimethoxine (Albon bolus) 16. Sulfamethazine (Sustain III bolus, Supra Sulfa III) centage of these cattle were individually treated for BRD using Tilmi B. Inj. Abx. for BRD cases 700+ lbs

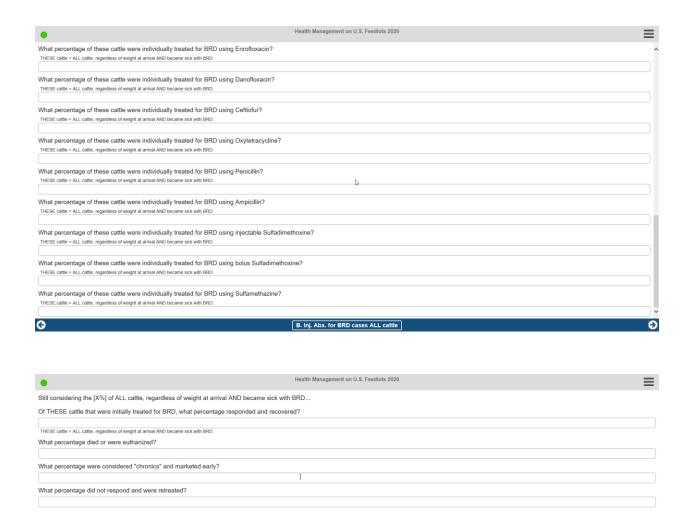
B. Inj. Abx. BRD cases 400-699 lbs Outcome



B

c

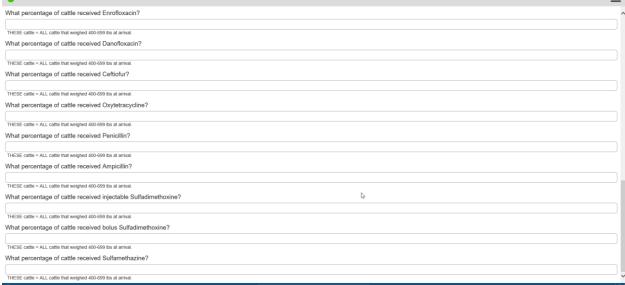




•	Health Management on U.S. Feedlots 2020	\equiv
I will now ask about which antibiotics were given to GROUPS of cattle for the prevention, cor	ntrol, or treatment of bovine respiratory disease, or BRD.	^
Consider all cattle that weighed less than 400 lbs at arrival, whether or not they became sick	with BRD. I would like to know which antibiotics, if any, were given to THESE cattle by injection or bolus-dosed.	
Please look at Reference Card 4, which has a list of specific medications by active ingredien	t with trade name examples.	- 1
Were any of the antibiotics listed given to GROUPS of THESE cattle? Yes or No?		
Yes	○ No	
(Don't know)	(Refused)	
THESE cattle = ALL cattle that weighed < 400 lbs at arrival.		
Looking at Reference Card 4, what are the product codes for the antibiotics given to GROUP	S of cattle, either to prevent, control, or treat BRD?	- 1
1. Tilmicosin (Micotil)		- 1
2. Gamithromycin (Zactran)		
3. Tulathromycin (Draxxin)		
4. Tylosin (Tylan 200)		
5. Tildipirosin (Zuprevo)	B	
6. Florfenicol (Nuflor)		
7. Florfenicol with Flunixin meglumine (Resflor Gold)		
8. Enrofloxacin (Baytril)		
9. Danofloxacin (Advocin)		
10. Ceftiofur (Naxcel, Excenel, Excede)		
11. Oxytetracycline (LA-200, Oxytet 100, BioMycin)		
12. Penicillin (Aquacillin, Penicillin G Procaine)		
13. Ampicillin (Polyflex)		
14. Sulfadimethoxine (Albon injection)		
15. Sulfadimethoxine (Albon bolus)		
16. Sulfamethazine (Sustain III bolus, Supra Sulfa III)		v
⊙	B. Inj. Abx. for BRD group <400 lbs	Ð
	Health Management on U.S. Feedlots 2020	=



•	Health Management on U.S. Feedlots 2020	=
Consider all cattle that weighed 400-699 lbs at arrival, whether or not dosed.	t they became sick with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE cattle b	y injection or bolus-
Please look at Reference Card 4, which has a list of specific medication	ions by active ingredient with trade name examples.	
Were any of the antibiotics listed given to GROUPS of THESE cattle?	? Yes or No?	
○ Yes	○ No	
(Don't know)	(Refused)	
THESE cattle = ALL cattle that weighed 400-699 lbs at arrival.		
Looking at Reference Card 4, what are the product codes for the antit	ibiotics given to GROUPS of cattle, either to prevent, control, or treat BRD?	
1. Tilmicosin (Micotil)		
2. Gamithromycin (Zactran)		
3. Tulathromycin (Draxxin)		
4. Tylosin (Tylan 200)		
5. Tildipirosin (Zuprevo)	Liv.	
6. Florfenicol (Nuflor)	Light Control of the	
7. Florfenicol with Flunixin meglumine (Resflor Gold)		
8. Enrofloxacin (Baytril)		
9. Danofloxacin (Advocin)		
10. Ceftiofur (Naxcel, Excenel, Excede)		
11. Oxytetracycline (LA-200, Oxytet 100, BioMycin)		
12. Penicillin (Aquacillin, Penicillin G Procaine)		
13. Ampicillin (Polyflex)		
14. Sulfadimethoxine (Albon injection)		
15. Sulfadimethoxine (Albon bolus)		
16. Sulfamethazine (Sustain III bolus, Supra Sulfa III)		
9	B. Inj. Abx. for BRD group 400-699 lbs	
•	Health Management on U.S. Feedlots 2020	=
What percentage of cattle received Enrofloxacin?		
THESE cattle = ALL cattle that weighed 400-699 lbs at arrival.		
What percentage of cattle received Danofloxacin?		
THESE cattle = ALL cattle that weighed 400-699 lbs at arrival.		
What percentage of cattle received Ceftiofur?		



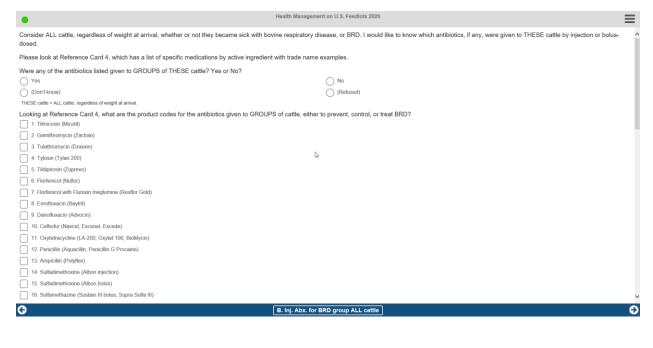
B. Inj. Abx. for BRD group 400-699 lbs

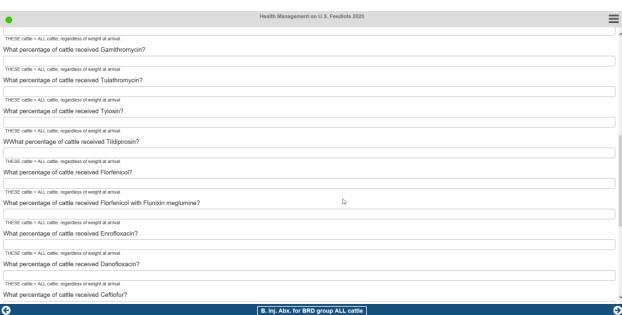
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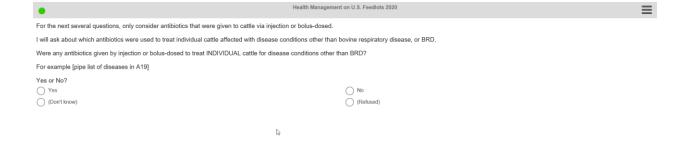
•	Health Management on U.S. Feedlots 2020	≡
Consider all cattle that weighed 700 or more lbs at arrival, whether or n bolus-dosed.	not they became sick with bovine respiratory disease, or BRD. I would like to know which antibiotics, if any, were given to THESE cattle by injection	or ′
Please look at Reference Card 4, which has a list of specific medication	ons by active ingredient with trade name examples.	
Were any of the antibiotics listed given to GROUPS of THESE cattle?	Yes or No?	
Yes	○ No	
(Don't know)	(Refused)	
THESE cattle = ALL cattle that weighed 700 or more lbs at arrival.		
Looking at Reference Card 4, what are the product codes for the antibious 1. Tilmicosin (Micotil)	iotics given to GROUPS of cattle, either to prevent, control, or treat BRD?	
2. Gamithromycin (Zactran)		
3. Tulathromycin (Draxxin)		
4. Tylosin (Tylan 200)	₽ .	
5. Tildipirosin (Zuprevo)		
6. Florfenicol (Nuflor)		
7. Florfenicol with Flunixin meglumine (Resflor Gold)		
8. Enrofloxacin (Baytril)		
9. Danofloxacin (Advocin)		
10. Ceftiofur (Naxcel, Excenel, Excede)		
11. Oxytetracycline (LA-200, Oxytet 100, BioMycin)		
12. Penicillin (Aquacillin, Penicillin G Procaine)		
13. Ampicillin (Polyflex)		
14. Sulfadimethoxine (Albon injection)		
15. Sulfadimethoxine (Albon bolus)		
16. Sulfamethazine (Sustain III bolus, Supra Sulfa III)		`
6	B. Inj. Abx for BRD group 700+ lbs	Ð
•	Health Management on U.S. Feedlots 2020	≡
What percentage of cattle received Enrofloxacin?		
THESE cattle = ALL cattle that weighed 700 or more lbs at arrival.		
What percentage of cattle received Danofloxacin?		
THESE cattle = ALL cattle that weighed 700 or more its at arrival.		
What percentage of cattle received Ceftiofur?		
THESE cattle = ALL cattle that weighed 700 or more lbs at arrival.		
What percentage of cattle received Oxytetracycline?		
THESE cattle = ALL cattle that weighed 700 or more ibs at arrival.		
What percentage of cattle received Penicillin?		
	I	
THESE cattle = ALL cattle that weighed 700 or more lbs at arrival		

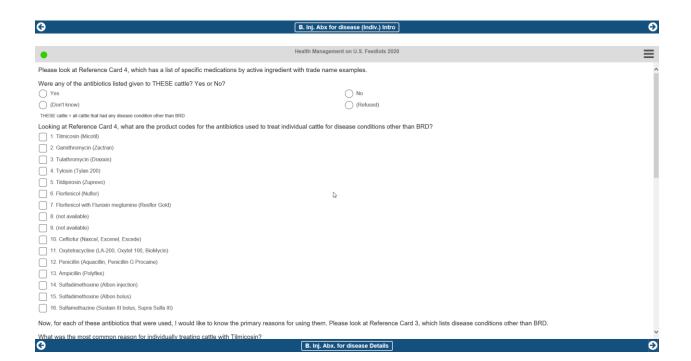
What percentage of cattle received Ampicillin? THESE cattle = ALL cattle that weighed 700 or more ibs at arrival. What percentage of cattle received injectable Sulfadimethoxine? THESE cattle = ALL cattle that weighed 700 or more lbs at arrival. What percentage of cattle received bolus Sulfadimethoxine? THESE cattle = ALL cattle that weighed 700 or more lbs at arrival. What percentage of cattle received Sulfamethazine? THESE cattle = ALL cattle that weighed 700 or more lbs at arrival. G

B. Inj. Abx for BRD group 700+ lbs

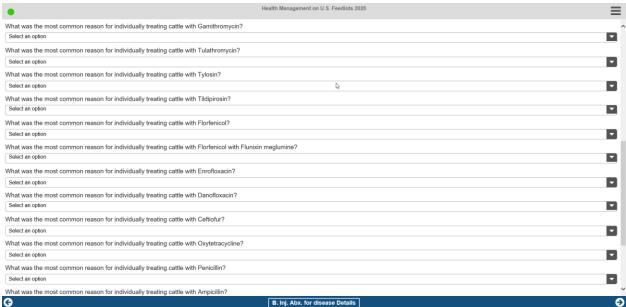








•	Health Management on U.S. Feedlots 2020	≡
Please look at Reference Card 4, which has a list of specific medications by active ingredien	nt with trade name examples.	^
Were any of the antibiotics listed given to THESE cattle? Yes or No?		
Yes	○ No	
(Don't know)	(Refused)	
THESE cattle = all cattle that had any disease condition other than BRD.		
Looking at Reference Card 4, what are the product codes for the antibiotics used to treat in	dividual cattle for disease conditions other than BRD?	
1. Tilmicosin (Micotil)		
2. Gamithromycin (Zactran)		
3. Tulathromycin (Draxxin)		
4. Tylosin (Tylan 200)		
5. Tildipirosin (Zuprevo)		
6. Florfenicol (Nuflor)		
7. Florfenicol with Flunixin meglumine (Resflor Gold)	₿	
8. (not available)		
9. (not available)		
10. Ceftiofur (Naxcel, Excenel, Excede)		
11. Oxytetracycline (LA-200, Oxytet 100, BioMycin)		
12. Penicitlin (Aquacillin, Penicitlin G Procaine)		
13. Ampicillin (Polyflex)		
14. Sulfadimethoxine (Albon injection)		
15. Sulfadimethoxine (Albon bolus)		
16. Sulfamethazine (Sustain III bolus, Supra Sulfa III)		
Now, for each of these antibiotics that were used, I would like to know the primary reasons	for using them. Please look at Reference Card 3, which lists disease conditions other than BRD.	
What was the most common reason for individually treating cattle with Tilmicosin?		~
G	B. Inj. Abx. for disease Details	€

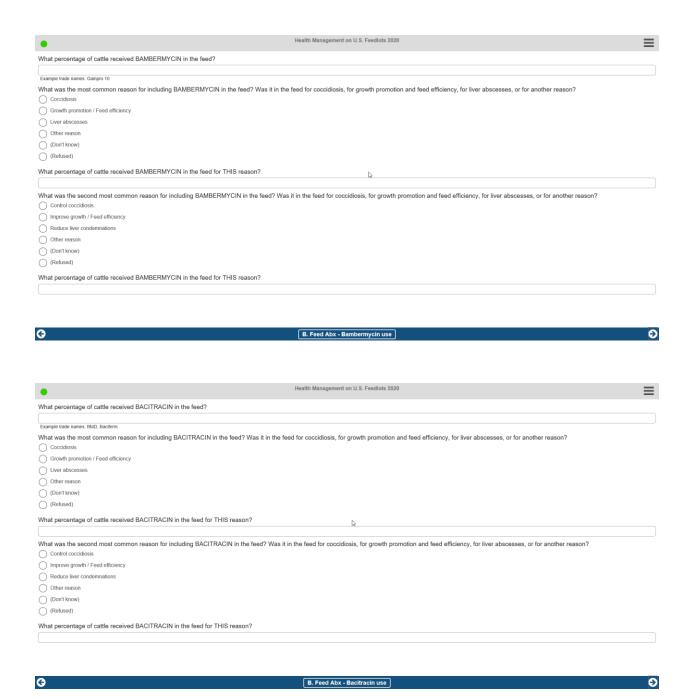


Health Management	n U.S. Feedlots 2020
For the next several questions, only consider antibiotics that were given in the feed to cattle on this feedlot.	
Some antibiotics given in feed require a veterinary feed directive, or VFD. Chlortetracycline and tylosin are example.	les of antibiotics that require a VFD. I will ask about these in a moment.
Other antibiotics do NOT require a VFD to be used in feed. For example, ionophores, bambermycin, and bacitrac	
Considering both antibiotics that required a VFD and antibiotics that didn't, were any antibiotics used in the feed of	
Yes or No?	
	O No
	(Refused)
I want to first ask about antibiotics used in feed that do NOT require a VFD. Specifically lonophores, Bambermyci	n, and Bacitracin. I want to ask about the top two reasons for using these antibiotics.
h	
Q.	
€ B. Feed	Abx Intro
Health Management	in U.S. Feedlots 2020
What accounting of cattle received any IONODHODE in the food?	_
What percentage of cattle received any IONOPHORE in the feed?	
Example trade names: Rumensin, Bovatec	
What was the most common reason for including an IONOPHORE in the feed? Was it in the feed for coccidiosis,	
Coccidiosis	for growth promotion and feed efficiency, for liver abscesses, or for another reason?
	for growth promotion and feed efficiency, for liver abscesses, or for another reason?
Growth promotion / Feed efficiency	for growth promotion and feed efficiency, for liver abscesses, or for another reason?
Liver abscesses	for growth promotion and feed efficiency, for liver abscesses, or for another reason?
Citiver abscesses Other reason	for growth promotion and feed efficiency, for liver abscesses, or for another reason?
Utver abscesses Other reason (Don't know)	for growth promotion and feed efficiency, for liver abscesses, or for another reason?
Cliver abscesses Clher reason (Don't know) (Refused)	for growth promotion and feed efficiency, for liver abscesses, or for another reason?
Utver abscesses Other reason (Don't know)	for growth promotion and feed efficiency, for liver abscesses, or for another reason?
Liver abscesses Other reason (Don't know) (Refused) What percentage of cattle received an IONOPHORE in the feed for THIS reason?	
Liver abscesses Other reason (Don't know) (Refused) What percentage of cattle received an IONOPHORE in the feed for THIS reason? What was the second most common reason for including an IONOPHORE in the feed? Was it in the feed for coordinates the second most common reason for including an IONOPHORE in the feed? Was it in the feed for coordinates the second most common reason for including an IONOPHORE in the feed? Was it in the feed for coordinates the second most common reason for including an IONOPHORE in the feed?	
Liver abscesses Other reason (Don't know) (Refused) What percentage of cattle received an IONOPHORE in the feed for THIS reason? What was the second most common reason for including an IONOPHORE in the feed? Was it in the feed for cool Control coccidiosis	
Liver abscesses Other reason (Don't know) (Refused) What percentage of cattle received an IONOPHORE in the feed for THIS reason? What was the second most common reason for including an IONOPHORE in the feed? Was it in the feed for coccidosis Improve growth / Feed efficiency	
Liver abscesses Other reason (Don't know) (Refused) What percentage of cattle received an IONOPHORE in the feed for THIS reason? What was the second most common reason for including an IONOPHORE in the feed? Was it in the feed for cool Control coccidiosis Improve growth / Feed efficiency Reduce liver condemnations	idiosis, for growth promotion and feed efficiency, for liver abscesses, or for another reason?
Liver abscesses Other reason (Don't know) (Refused) What percentage of cattle received an IONOPHORE in the feed for THIS reason? What was the second most common reason for including an IONOPHORE in the feed? Was it in the feed for cool Control coccidiosis Improve growth / Feed efficiency Reduce liver condemnations Other reason	idiosis, for growth promotion and feed efficiency, for liver abscesses, or for another reason?
Liver abscesses Other reason (Don't know) (Refused) What percentage of cattle received an IONOPHORE in the feed for THIS reason? What was the second most common reason for including an IONOPHORE in the feed? Was it in the feed for coordinate control cocidiosis Improve growth / Feed efficiency Reduce liver condemnations Other reason (Don't know)	idiosis, for growth promotion and feed efficiency, for liver abscesses, or for another reason?
Liver abscesses Other reason (Don't know) (Refused) What percentage of cattle received an IONOPHORE in the feed for THIS reason? What was the second most common reason for including an IONOPHORE in the feed? Was it in the feed for coor Control coccidiosis Improve growth / Feed efficiency Reduce liver condemnations Other reason (Don't know) (Refused)	idiosis, for growth promotion and feed efficiency, for liver abscesses, or for another reason?
Liver abscesses Other reason (Don't know) (Refused) What percentage of cattle received an IONOPHORE in the feed for THIS reason? What was the second most common reason for including an IONOPHORE in the feed? Was it in the feed for coordinate control cocidiosis Improve growth / Feed efficiency Reduce liver condemnations Other reason (Don't know)	idiosis, for growth promotion and feed efficiency, for liver abscesses, or for another reason?

B. Feed Abx - lonophore use

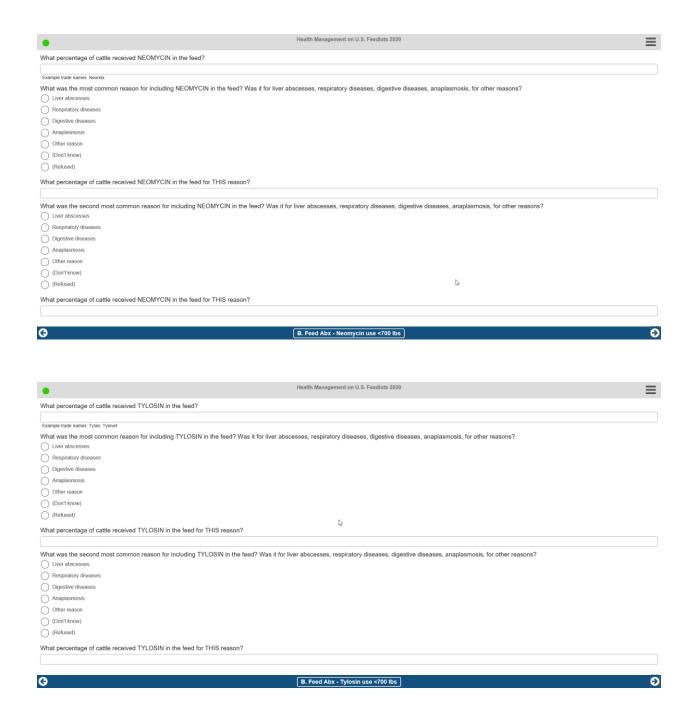
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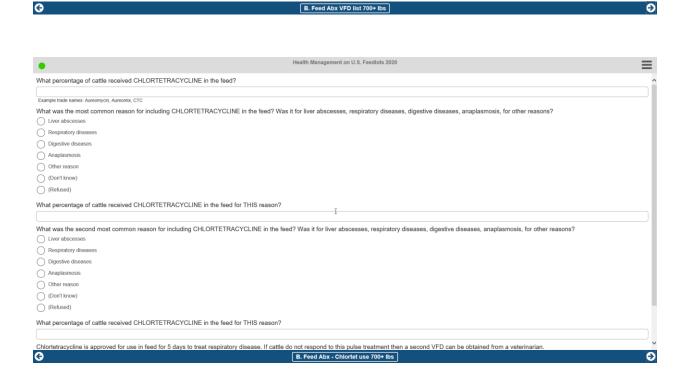
Health Management on U.S. Feedlots 2020
Now I will ask about antibiotics used in the feed that required a VFD; first for cattle that weighed less than 700 lbs at arrival and then for cattle that weighed 700 or more lbs at arrival. I want to ask about the top two reasons for using these antibiotics.
Consider all cattle that weighed less than 700 lbs at arrival, whether or not they became sick with BRD. I would like to know which antibiotics, if any, were given to THESE cattle by feed.
Please look at Reference Card 5, which has a list of in-feed antibiotics that required a VFD. They are listed by active ingredient with trade name examples.
Looking at Reference Card 5, what are the product codes for the antibiotics given to THESE cattle? THESE cattle = ALL cattle mat wegned less than 700 bs at arrival. 1. Chlortetracyline (Aureomycin, CTC) 2. Oxyfetracycline (Terramycin, OTC) 3. Sulfamethazine / Sulfadimethoxine (Aureomix) 4. Neomycin (Neomix) 5. Tylosin (Tylan 200) 6. Virginiamycin (Vmax) 7. Tilmicosin (Pulmotti, Tilmovet)
B. Feed Abx VFD list <700 lbs
Health Management on U.S. Feedlots 2020
Health Management on U.S. Feedlots 2020 What percentage of cattle received any IONOPHORE in the feed?
What percentage of cattle received any IONOPHORE in the feed?
<u> </u>
What percentage of cattle received any IONOPHORE in the feed? Example trade names. Rumensin, Bovatec What was the most common reason for including an IONOPHORE in the feed? Was it in the feed for coccidiosis, for growth promotion and feed efficiency, for liver abscesses, or for another reason? Coccidiosis Growth promotion / Feed efficiency Liver abscesses Other reason (Don't know)
What percentage of cattle received any IONOPHORE in the feed? Example trade names: Rumensin, Bovatec What was the most common reason for including an IONOPHORE in the feed? Was it in the feed for coccidiosis, for growth promotion and feed efficiency, for liver abscesses, or for another reason? Coccidiosis Growth promotion / Feed efficiency Liver abscesses Other reason (Con't know) (Refused)
What percentage of cattle received any IONOPHORE in the feed? Example trade names: Rumensin, Bovatec What was the most common reason for including an IONOPHORE in the feed? Was it in the feed for coccidiosis, for growth promotion and feed efficiency, for liver abscesses, or for another reason? Coccidiosis Growth promotion / Feed efficiency Liver abscesses Other reason (Con't know) (Refused)

Health Management on U.S. Feedlots 2020	=
What percentage of cattle received OXYTETRACYCLINE in the feed?	
Example trade names. Terramycin, OTC What was the most common reason for including OXYTETRACYCLINE in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other rea	sons?
That was the most common reason to including CAT ETFOC CERE in the feed 1 Mas it of liver absesses, respiratory diseases, dispatched diseases, an applications in the feed 1 Mas it of liver absesses, respiratory diseases, dispatched diseases, an applications in the feed 1 Mas it of liver absesses, respiratory diseases, dispatched diseases, an applications in the feed 1 Mas it of liver absesses, respiratory diseases, dispatched diseases, an applications in the feed 1 Mas it of liver absesses, respiratory diseases, dispatched diseases, an application of liver absence and the feed 1 Mas it of liver absence as a feed 1 Mas it of liver abse	501131
Respiratory diseases	
Digestive diseases	
Anaplasmosis	
Other reason	
(Don't know)	
(Refused)	
What percentage of cattle received OXYTETRACYCLINE in the feed for THIS reason?	
What was the second most common reason for including OXYTETRACYCLINE in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for o	ther researe?
The was the second most continuous deason of molecular CAT ETTACT CLITE III the rectify was to the investages, respiratory diseases, digestive diseases, anaphasimosis, to the continuous continuous and the continuous cont	iller reasons:
Respiratory diseases	
Digestive diseases	
Anaplasmosis	
Other reason	
(Don't know)	
(Refused)	
What percentage of cattle received OXYTETRACYCLINE in the feed for THIS reason?	
This percentage of data occurred SATTETTON OCCUPENT WITH FEED OF THE FEED OF T	
B. Feed Abx - Oxytet use <700 lbs	Č
Health Management on U.S. Feedlots 2020	=
What percentage of cattle received SULFA in the feed?	
Example trade names: Aureomix	
What was the most common reason for including SULFA in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other reasons?	
Liver abscesses	
Respiratory diseases	
Digestive diseases	
Other reason	
(Don't know)	
(Refused)	
What percentage of cattle received SULFA in the feed for THIS reason?	
What was the second and a second and the CHIEFA in the feed OW of the first second and the secon	
What was the second most common reason for including SULFA in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other reasons? Liver abscesses	
Respiratory diseases	
Digestive diseases	
Anaplasmosis	
Other reason	
(Don't know)	
(Refused)	
What percentage of cattle received SULFA in the feed for THIS reason?	
Trinal perventage or value revented ool. A nil tile teed for Trito teedout?	
B. Feed Abx - Sulfa use <700 lbs	E



•	Health Management on U.S. Feedlots 2020	≡
What percentage of cattle received VIRGINIAMYCIN in the feed?		
Example trade names: Vmax		
	N in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other reasons?	
Liver abscesses		
Respiratory diseases		
Digestive diseases		
Anaplasmosis		
Other reason		
(Don't know)		
(Refused)	₽ .	
What percentage of cattle received VIRGINIAMYCIN in the feed for	or THIS reason?	
What was the second most common reason for including VIRGINI	IAMYCIN in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other reasons?	
Liver abscesses	Table 1 to 1 t	
Respiratory diseases		
Digestive diseases		
Anaplasmosis		
Other reason		
(Don't know)		
(Refused)		
What percentage of cattle received VIRGINIAMYCIN in the feed for	or THIS reason?	
what percentage of cattle received VIRGINIAM FCIN III the leed to	JI FIIIO TEGROUTE	
3	B. Feed Abx - Virginiamycin use <700 lbs	
U .	D. Feed ADA - Yil girlialityciii use 4700 ibs	
•	Health Management on U.S. Feedlots 2020	=
What percentage of cattle received TILMICOSIN in the feed?		
What percentage of cathe received TIENHOCONVIII the lead:		
Example trade names: Aureomycin, Aureomix, CTC		
What was the most common reason for including TILMICOSIN in	the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other reasons?	
Liver abscesses		
Respiratory diseases		
Digestive diseases		
Anaplasmosis		
Other reason		
(Don't know)		
(Refused)		
What percentage of cattle received TILMICOSIN in the feed for Th	HIS reason?	
That percentage of cattle received Themicocont in the leed for Th	10/10/20/11	
What was the second most common reason for including TILMICC	OSIN in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other reasons?	
Liver abscesses	Total in the local tradition and about the first about the fir	
Respiratory diseases		
Digestive diseases		
Anaplasmosis		
Other reason		
(Don't know)		
(Refused)		
What percentage of cattle received TILMICOSIN in the feed for Th	HIS reason?	
Trinal percentage of callie received TILINICOSIN III (ne leed for Tr	110 10030/11	
G	B. Feed Abx - Tilmicosin use <700 lbs	E

Health Management on U.S. Feedlots 2020
Now I will ask about antibiotics in the feed that required a VFD. I want to ask about the top two reasons for using these antibiotics.
Consider all cattle that weighed 700 or more lbs at arrival, whether or not they became sick with BRD. I would like to know which antibiotics, if any, were given to THESE cattle by feed.
Please look at Reference Card 5, which has a list of in-feed antibiotics that required a VFD. They are listed by active ingredient with trade name examples.
Looking at Reference Card 5, what are the product codes for the antibiotics given to THESE cattle? THESE cattle = ALL cattle that weighed 700 or more its at arrival. 1. Chlorderacyline (Aureomix, CTC) 2. Oxytetracycline (Terramycin, OTC) 3. Sulfamethazine / Sulfadimethoxine (Aureomix) 4. Neomycin (Neomix) 5. Tylosin (Tylan 200) 6. Virginiamycin (Vmax) 7. Tilmicosin (Pulmotil, Tilmovet)

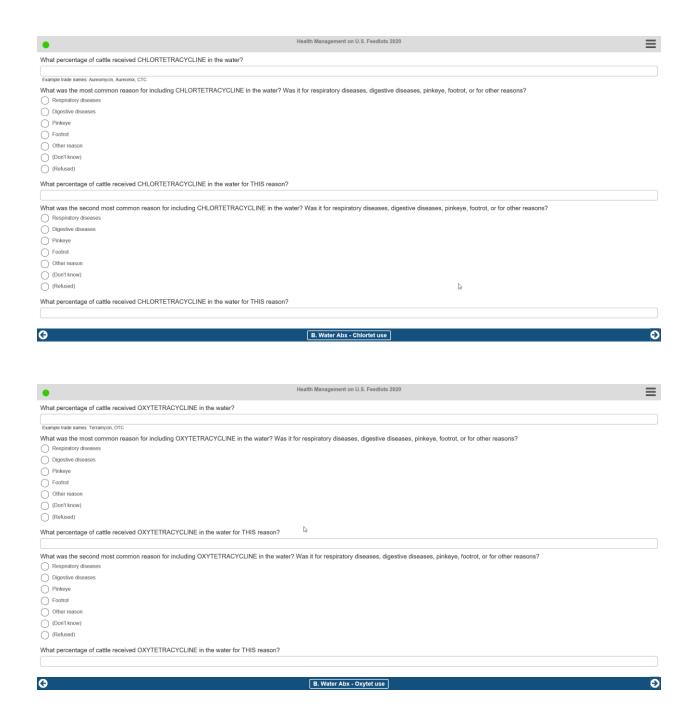


Health Management on U.S. Feedlots 2020	=
What percentage of cattle received OXYTETRACYCLINE in the feed?	
Example trade names: Terramycin, OTC What was the most common reason for including OXYTETRACYCLINE in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other rec	isons?
That was the most common reason on miniously CATE TOO CEINE in the lead 1 Mas in or most absences, respiratory diseases, digestre diseases, anappashous, to other re-	301131
Respiratory diseases	
Dipestive diseases	
Anaplasmosis	
Other reason	
(Don't know)	
(Refused)	
What percentage of cattle received OXYTETRACYCLINE in the feed for THIS reason?	
What was the second most common reason for including OXYTETRACYCLINE in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for common reason for including OXYTETRACYCLINE in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for common reason for including OXYTETRACYCLINE in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for common reason for including OXYTETRACYCLINE in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for common reason for including OXYTETRACYCLINE in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for common reason for including OXYTETRACYCLINE in the feed? Was it for liver abscesses, digestive diseases, anaplasmosis, for common reason for including OXYTETRACYCLINE in the feed? Was it for liver abscesses, digestive diseases, digestive diseases, anaplasmosis, diseases, digestive diseases, dige	other reasons?
Liver abscesses	10110000101
Respiratory diseases	
Digestive diseases	
Anaplasmosis	
Other reason	
(Don't know)	
(Refused)	
What percentage of cattle received OXYTETRACYCLINE in the feed for THIS reason?	
The province of data feeting OATE IN COLOR II the GOOD III THE GOOD III	
B. Feed Abx - Oxytet use 700+ lbs	Č
Health Management on U.S. Feedlots 2020	=
What percentage of cattle received SULFA in the feed?	
. ,	
Example trade names: Aureomix	
What was the most common reason for including SULFA in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other reasons?	
Liver abscesses	
Raspiratory diseases	
Digestive diseases	
○ Anaplasmosis	
Other reason	
(Don't know)	
(Refused)	
What percentage of cattle received SULFA in the feed for THIS reason?	
I	
What was the second most common reason for including SULFA in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other reasons?	
Liver abscesses	
Respiratory diseases	
O Digestive diseases	
Anaplasmosis	
Other reason	
(Don't know)	
(Refused)	
What percentage of cattle received SULFA in the feed for THIS reason?	
B. Feed Abx - Sulfa use 700+ lbs	e e e e e e e e e e e e e e e e e e e

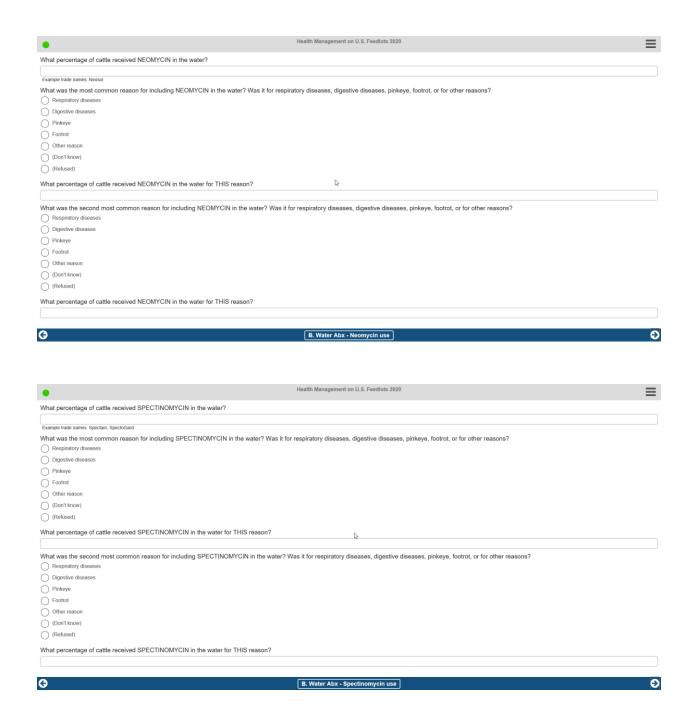
Health Management on U.S. Feedlots 2020	=
What percentage of cattle received NEOMYCIN in the feed?	
Example trade names: Neomix	
What was the most common reason for including NEOMYCIN in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other reasons?	
Liver abscesses	
Respiratory diseases	
Digestive diseases	
Anaplasmosis	
Other reason	
(Don't know)	
(Refused)	
What percentage of cattle received NEOMYCIN in the feed for THIS reason?	
What was the second most common reason for including NEOMYCIN in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other reasons?	
Liver abscesses	
Respiratory diseases	
Digestive diseases	
Anaplasmosis	
Other reason	
(Con't know)	
(Refused)	
What percentage of cattle received NEOMYCIN in the feed for THIS reason?	
	-
B. Feed Abx - Neomycin use 700+ ibs	
Health Management on U.S. Feedlots 2020	_
Treatment and Co. 1 Source 2020	=
What percentage of cattle received TYLOSIN in the feed?	
Example trade names: Tylan, Tylovet	
What was the most common reason for including TYLOSIN in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other reasons?	
Liver abscesses	
Respiratory diseases	
Digestive diseases	
Anaplasmosis	
Other reason	
(Don't know)	
(Refused)	
What percentage of cattle received TYLOSIN in the feed for THIS reason?	
What was the second most common reason for including TYLOSIN in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other reasons?	
Liver abscesses	
Respiratory diseases	
Digestive diseases	
↑ Anaplasmosis	
Other reason	
(Don't know)	
(Refused)	
What percentage of cattle received TYLOSIN in the feed for THIS reason?	
Trian personage of ontal received it pours in the results in the results.	
B. Feed Abx - Tylosin use 700+ lbs	E

Health Management on U.S. Feedlots 2020	=
What percentage of cattle received VIRGINIAMYCIN in the feed?	
Example trade names: Vmax	
Example trace names. Virtual. What was the most common reason for including VIRGINIAMYCIN in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other reasons?	
Liver abscesses	
Respiratory diseases	
Digestive diseases	
↑ Anaplasmosis	
Other reason	
(Don't know)	
(Refused)	
What percentage of cattle received VIRGINIAMYCIN in the feed for THIS reason?	
MARA WAR AND	
What was the second most common reason for including VIRGINIAMYCIN in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other reasons? Liver abscesses	
Respiratory diseases	
Digestive diseases	
Anaplasmosis	
Other reason	
Oont know)	
(Refused)	
What percentage of cattle received VIRGINIAMYCIN in the feed for THIS reason?	
B. Feed Abx - Virginiamycin use 700+ lbs	€
D. Feed ADA * Yaginaniyen use 100* ius	v
Health Management on U.S. Feedlots 2020	≡
What percentage of cattle received TILMICOSIN in the feed?	
what percentage of cause received in Livin Coolin in the recur	
Example trade names: Aureomycin, Aureomix, CTC	
What was the most common reason for including TILMICOSIN in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other reasons?	
Liver abscesses	
Respiratory diseases	
Digestive diseases	
↑ Anaplasmosis	
Other reason	
(Don't know)	
○ (Refused)	
What percentage of cattle received TILMICOSIN in the feed for THIS reason?	
This percentage of data recented Trum Count in the feed of Trum Council.	
What was the second most common reason for including TILMICOSIN in the feed? Was it for liver abscesses, respiratory diseases, digestive diseases, anaplasmosis, for other reasons?	
Liver abscisses	
Respiratory diseases	
Digestive diseases	
Anaplasmosis	
Other reason	
(Contiknow)	
(Refused)	
What percentage of cattle received TILMICOSIN in the feed for THIS reason?	
B Eard Aby - Tilmicosin use 700s ibs	_

•		Health Management on U.S. Feedlots 2020		≡
Chlortetracycline is approved for use	in feed for 5 days to treat respiratory disease. If	cattle do not respond to this pulse treatment then a second V	FD can be obtained from a veterinarian.	
		nan one pulse treatment? Would you say none, some, most, or		
None (Don't know)	Some (Refused)	Most	All	
	0.			
		l ₂ ·		
		leg*		
G		B. Feed Abx - Chlortet second pulse		Ð
•		Health Management on U.S. Feedlots 2020		≡
_	in feed for 5 days to treat respiratory disease. It	cattle do not respond to this pulse treatment then a second V	FD can be obtained from a veterinarian.	_
		nan one pulse treatment? Would you say none, some, most, or		
None	Some	Most	○ All	
(Don't know)	(Refused)			
		D _r		
G		B. Feed Abx - Chlortet second pulse		Ð



Health Management on U.S. Feedlots 2020	=
What percentage of cattle received TETRACYCLINE in the water?	
Example trade names: Duramycin, Tef-Sol	
What was the most common reason for including TETRACYCLINE in the water? Was it for respiratory diseases, digestive diseases, pinkeye, footrot, or for other reasons?	
Respiratory diseases	
Digostivo diseases	
Pinkeye	
Footrat	
Other reason	
(Don't know)	
(Refused)	
What percentage of cattle received TETRACYCLINE in the water for THIS reason?	
What was the second most common reason for including TETRACYCLINE in the water? Was it for respiratory diseases, digestive diseases, pinkeye, footrot, or for other reasons?	
Respiratory diseases	
Digestive diseases	
Pinkeye	
O Footrot	
Other reason	
(Don't know)	
(Refused)	
	•
B. Water Abx -Tetracycline use	€
Health Management on U.S. Feedlots 2020	≡
	_
What percentage of cattle received SULFA in the water?	
Example trade names: Sulfasol	
What was the most common reason for including SULFA in the water? Was it for respiratory diseases, digestive diseases, pinkeye, footrot, or for other reasons?	
Respiratory diseases	
Digestive diseases	
Pinkeye	
Footrot	
Other reason	
(Don't know)	
(Refused)	
What percentage of cattle received SULFA in the water for THIS reason?	
I	
What was the second most common reason for including SULFA in the water? Was it for respiratory diseases, digestive diseases, pinkeye, footrot, or for other reasons?	
Respiratory diseases	
O Digestive diseases	
○ Pinkeye	
Footrot	
O Other reason	
Other reason	
(Refused)	
What percentage of cattle received SULFA in the water for THIS reason?	
B Water Aby - Sulfa use	~



Health	h Management on U.S. Feedlots 2020	=
Now I would like to ask you several questions related to nutrition for cattle placed in the feedlot between	veen September 1, 2019 and August 31, 2020.	
For cattle placed, what percent were given a coccidiostat such as Corid or Deccox? Do NOT include	e ionophores.	
		O Don't know
For cattle placed, what percent were given a beta agonist such as Ractopamine?		
		O Don't know
Were the services of a nutritionist used? Yes or No?		
Yes	○ No	
(Don't know)	(Refused)	
Now I would like to ask about water sources used for cattle on this feedlot.		
Was ground water, accessed by a well, used to water cattle?		
Yes or No? Yes	○ No	
(Don't know)	(Refused)	
	(Notabod)	
Was surface water, such as ponds, lakes, streams, used? Yes or No?	₽.	
Yes	○ No	
(Don't know)	(Refused)	
Was municipal water used?		
Yes or No?	○ No	
Yes		
(Don't know)	(Refused)	
G	Section C - Nutrition	•

Now I would like to ask you several questions about use of feed additives. For feed additives used, I would like to know the reasons for its use.

I am interested in six specific potential reasons for using a feed additive. 1) to improve growth rate or feed efficiency, 2) as an alternative to using antibiotics, 3) for bovine respiratory disease, 4) for hoof health, 5) for pre-harvest food safety, or 6) to reduce liver abscesses.

Health Management on U.S. Feedlots 2020

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•	Health Management on U.S. Feedlots 2020	≡
Was a direct-fed microbial or probiotic such as Lactobacillus acidophilus or live yeast, add	ded to the feed? Yes or No?	^
Yes	○ No	
(Don't know)	(Refused)	
Was it used to improve growth rate or feed efficiency?		
Yes or No?		
Yes	○ No	
(Don't know)	(Refused)	
Was it used as an alternative to antibiotics?		
Yes or No? Yes	○ No	
(Don't know)	(Refused)	
	Di Contraction de la contracti	
Was it used for bovine respiratory disease? Yes or No?		
Yes	○ No	
(Don't know)	(Refused)	
Was it used for hoof health?		
Yes or No?	O 11-	
Yes Partitions	○ No	
(Don't know)	(Refused)	
Was it used for pre-harvest food safety?		
Yes or No? Yes	○ No	
(Don't know)	(Refused)	
Was it used to reduce liver disease?		
Yes or No?		
Yes	C. Feed additive - Direct fed microbial	€
V	C. Feed didditive - Direct led lines obtain	
•	Health Management on U.S. Feedlots 2020	=
Were yeast fermentation products added to the feed? Yes or No?	Health Management on U.S. Feedlots 2020	=
Were yeast fermentation products added to the feed? Yes or No? Yes	Health Management on U.S. Feedlots 2020 No	
Yes (Don't know)	○ No	
Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No?	No (Refused)	
Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes	No (Refused)	
Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No?	No (Refused)	
Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used as an alternative to antibiotics?	No (Refused)	
Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used as an alternative to antibiotics? Yes or No?	No (Refused) No (Refused)	
Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used as an alternative to antibiotics? Yes or No? Yes or No? Yes	No (Refused) No (Refused)	
Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used as an alternative to antibiotics? Yes or No? Yes (Don't know)	No (Refused) No (Refused)	
Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used as an alternative to antibiotics? Yes or No? Yes (Don't know) Were they used for bovine respiratory disease?	No (Refused) No (Refused)	
Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used as an alternative to antibiotics? Yes or No? Yes (Don't know)	No (Refused) No (Refused)	

No (Refused)

No (Refused)

C. Feed additive - Yeast fermentation

Were they used for hoof health?
Yes or No?
Yes
(Don't know)

Were they used for pre-harvest food safety?

Yes or No?

Yes

(Don't know)

Were they used to reduce liver disease?
Yes or No?

Yes

•	Health Management on U.S. Feedlots 2020	≡
Were prebiotics added to the feed? Yes or No?		^
e.g. MOS (mannanoligosaccharides) Yes	○ No	
(Don't know)	(Refused)	
Were prebiotics used to improve growth rate or feed efficiency?		
Yes or No? Yes	○ No	
(Don't know)	(Refused)	
Were prebiotics used as an alternative to antibiotics?		
Yes or No? Yes	○ No	
(Don't know)	(Refused)	
Were prebiotics used for bovine respiratory disease?		
Yes or No? Yes	○ No	
(Don't know)	(Refused)	
Were prebiotics used for hoof health?		
Yes or No? Yes	○ No	
(Don't know)	(Refused)	
Were prebiotics used for pre-harvest food safety?		
Yes or No? Yes	○ No	
(Don't know)	(Refused)	
Were prebiotics used to reduce liver disease?		
Yes or No?	C. Feed additive - Prebiotics	Ð
•	Health Management on U.S. Feedlots 2020	≡
Were vitamin supplements added to the feed? Yes or No?		≡
Were vitamin supplements added to the feed? Yes or No? Yes	○ No	≡
Were vitamin supplements added to the feed? Yes or No? Yes (Don't know)		= Î
Were vitamin supplements added to the feed? Yes or No? Yes	○ No	
Were vitamin supplements added to the feed? Yes or No? Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes	No (Refused)	= Î
Were vitamin supplements added to the feed? Yes or No? Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know)	No (Refused)	≡ Î
Were vitamin supplements added to the feed? Yes or No? Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used as an alternative to antibiotics? Yes or No?	No (Refused) No (Refused)	≡ ^
Were vitamin supplements added to the feed? Yes or No? Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used as an alternative to antibiotics? Yes or No? Yes or No? Yes or No?	No (Refused) No (Refused)	= Î
Were vitamin supplements added to the feed? Yes or No? Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used as an alternative to antibiotics? Yes or No? Yes or No? Yes (Don't know)	No (Refused) No (Refused)	Î
Were vitamin supplements added to the feed? Yes or No? Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used as an alternative to antibiotics? Yes or No? Yes or No? Yes (Don't know) Were they used for bovine respiratory disease?	No (Refused) No (Refused) No (Refused)	Î
Were vitamin supplements added to the feed? Yes or No? Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used as an alternative to antibiotics? Yes or No? Yes (Don't know) Were they used for bovine respiratory disease? Yes or No?	No (Refused) No (Refused) No (Refused)	Î
Were vitamin supplements added to the feed? Yes or No? Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used as an alternative to antibiotics? Yes or No? Yes (Don't know) Were they used for bovine respiratory disease? Yes or No? Yes or No? Yes or No? Yes or No? (Don't know)	No (Refused) No (Refused) No (Refused)	Î
Were vitamin supplements added to the feed? Yes or No? Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used as an alternative to antibiotics? Yes or No? Yes (Don't know) Were they used for bovine respiratory disease? Yes or No?	No (Refused) No (Refused) No (Refused) No (Refused)	Î
Were vitamin supplements added to the feed? Yes or No? Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used as an alternative to antibiotics? Yes or No? Yes (Don't know) Were they used for bovine respiratory disease? Yes or No?	No (Refused) No (Refused) No (Refused) No (Refused) No (Refused)	
Were vitamin supplements added to the feed? Yes or No? Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes or No? (Don't know) Were they used as an alternative to antibiotics? Yes or No? Yes (Don't know) Were they used for bovine respiratory disease? Yes or No?	No (Refused) No (Refused) No (Refused) No (Refused)	
Were vitamin supplements added to the feed? Yes or No? Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used as an alternative to antibiotics? Yes or No? Yes (Don't know) Were they used for bovine respiratory disease? Yes or No? Yes or No? Yes (Don't know) Were they used for hoof health? Yes or No? Yes or No? Yes (Don't know) Were they used for pre-harvest food safety? Yes or No?	No (Refused) No (Refused) No (Refused) No (Refused) No (Refused)	
Were vitamin supplements added to the feed? Yes or No? Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used for bovine respiratory disease? Yes or No? Yes (Don't know) Were they used for hoof health? Yes or No?	No (Refused) No (Refused) No (Refused) No (Refused) No (Refused) No (Refused)	
Were vitamin supplements added to the feed? Yes or No? Yes (Don't know) Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know) Were they used as an alternative to antibiotics? Yes or No? Yes (Don't know) Were they used for bovine respiratory disease? Yes or No? Yes or No? Yes (Don't know) Were they used for hoof health? Yes or No? Yes or No? Yes (Don't know) Were they used for pre-harvest food safety? Yes or No?	No (Refused) No (Refused) No (Refused) No (Refused) No (Refused)	

Yes

C. Feed additive - Vitamin supplements

•	Health Management on U.S. Feedlots 2020	=
Were organic mineral supplements added to the feed? Yes or No? Yes (Don't know)	○ No ○ (Refused)	î
Were they used to improve growth rate or feed efficiency? Yes or No? Yes (Don't know)	○ No ○ (Refused)	
Were they used as an alternative to antibiotics? Yes or No? Yes (Don't know)	○ No ○ (Refused)	
Were they used for bovine respiratory disease? Yes or No? Yes (Don't know)	[
Were they used for hoof health? Yes or No? Yes (Don't know)	No (Refused)	
Were they used for pre-harvest food safety? Yes or No? Yes (Don't know)	○ No ○ (Refused)	
Were they used to reduce liver disease? Ves or No? Yes Yes	C. Feed additive - Organic mineral supplements	Đ
•	Health Management on U.S. Feedlots 2020	≡
Were inorganic mineral supplements added to the feed? Yes or No?		^

•	Health Management on U.S. Feedlots 2020	=
Were inorganic mineral supplements added to the feed? Yes or No?		^
Yes	○ No	
(Don't know)	(Refused)	
Were they used to improve growth rate or feed efficiency?		
Yes or No?	O 11	
Yes	○ No	
(Don't know)	(Refused)	
Were they used as an alternative to antibiotics?		
Yes or No? Yes	○ No	
_	~	
(Don't know)	(Refused)	
Were they used for bovine respiratory disease?	A	
Yes or No? Yes	○ No	
(Don't know)	(Refused)	
	(Relused)	
Were they used for hoof health?		
Yes or No? Yes	○ No	
(Don't know)	(Refused)	
	O (111222)	
Were they used for pre-harvest food safety? Yes or No?		
Yes or No? Yes	○ No	
(Don't know)	(Refused)	
Were they used to reduce liver disease?		
Yes or No?		_
○ Yes	○ No	
G	C. Feed additive - Inorganic mineral supplements	Ð

•	Health Managemer	nt on U.S. Feedlots 2020	\equiv
Were enzymes added to the feed? Yes or No?			^
Yes		○ No	
(Don't know)		(Refused)	
Were enzymes used to improve growth rate or feed efficiency?			
Yes or No?		O ::	
Yes		○ No	
(Don't know)		(Refused)	
Were enzymes used as an alternative to antibiotics?			
Yes or No? Yes		○ No	
(Don't know)		(Refused)	
Were enzymes used for bovine respiratory disease?			
Yes or No?			
Yes	ß	○ No	
(Don't know)		(Refused)	
Were enzymes used for hoof health?			
Yes or No? Yes		○ No	
(Don't know)		(Refused)	
		O (romon)	
Were enzymes used for pre-harvest food safety? Yes or No?			
Yes		○ No	
(Don't know)		(Refused)	
Were enzymes used to reduce liver disease?			
Yes or No?		O 11:	~
♦	C. Feed add	ditive - Enzymes	Ð
	Health Management	at on U.S. Feedlots 2020	_
•	rieaith Managemer	n Oil U.S. Feediuts 2020	
Were essential oils or plant derived products such as yucca extract added to the feed? Yes o	or No?		^
Yes		○ No	
(Don't know)		(Refused)	
Were essential oils used to improve growth rate or feed efficiency?			
Yes or No? Yes		○ No	
(Don't know)		(Refused)	
		(Ivelused)	
Were essential oils used as an alternative to antibiotics? Yes or No?			
Yes or No? Yes or No?		○ No	
(Don't know)		(Refused)	
Were essential oils used for bovine respiratory disease?			
Yes or No?			
Yes		○ No	
(Don't know)		(Refused)	

No (Refused)

No (Refused)

C. Feed additive - Essential oils

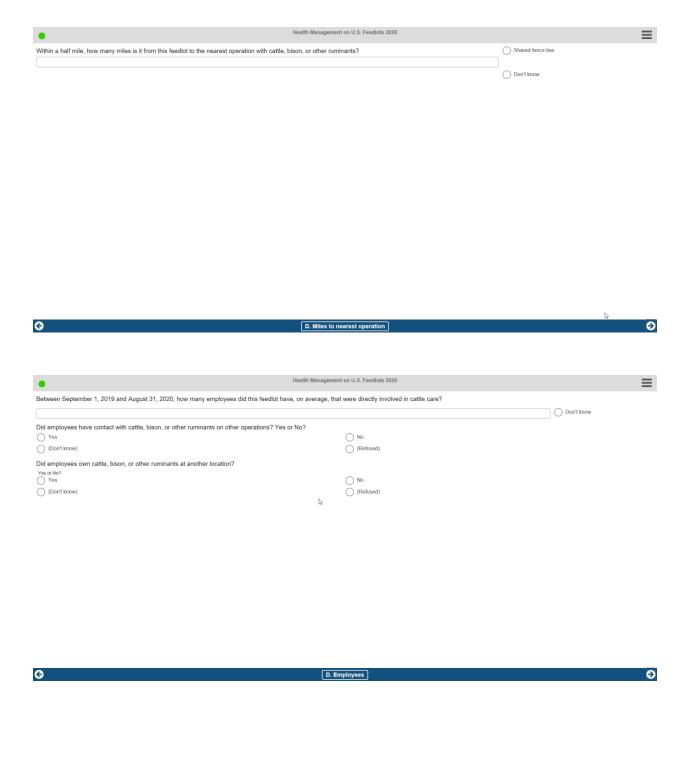
Were essential oils used for hoof health?
Yes or No?
Yes
(Don't know)

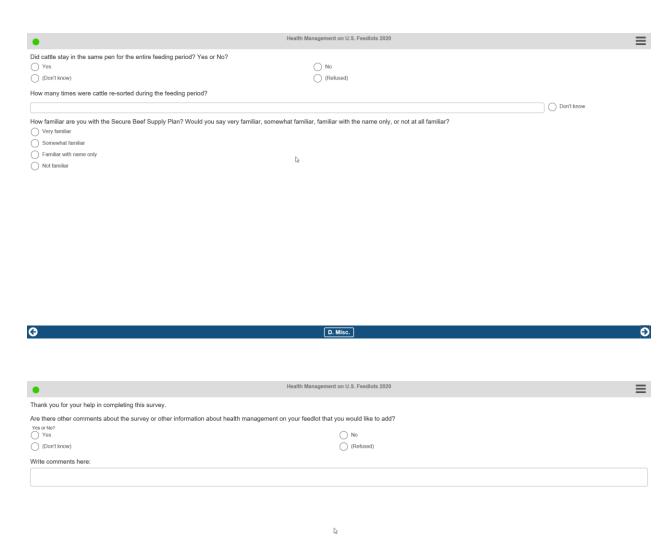
Were essential oils used for pre-harvest food safety?
Yes or No?
Yes
(Don't know)

Were essential oils used to reduce liver disease?
Yes or No?

G Yes

	He	alth Management on U.S. Feedlots 2020		≡
Were other feed additives added to the feed? Yes or No?				
Yes (Don't know)		No (Refused)		
What other feed additive was used?		(Refused)		
writat outler feed additive was used?				
Was this other feed additive used to improve growth rate or feed efficient	cy?			
Yes or No? Yes		○ No		
(Don't know)		(Refused)		
Was it used as an alternative to antibiotics? Yes or No?				
Yes		○ No		
(Don't know)		(Refused)		
Was it used for bovine respiratory disease? Yes or No?				
Yes		○ No		
(Don't know)		(Refused)		
Was it used for hoof health? Yes or No?				
Yes (Don't know)		No (Refused)		
Was it used for pre-harvest food safety?		(Notasoa)		
Yes or No?		O 112		
Yes (Don't know)		No (Refused)		
©		C. Feed additive - Other		€
•	He	alth Management on U.S. Feedlots 2020		=
This last series of questions ask about biosecurity practices used on this	feedlot.			=
Man appear to enimal appearant of the delication of Manager Manager				=
Was access to animal areas controlled for visitors? Yes or No?			(AVA No visition)	=
Was access to animal areas controlled for visitors? Yes or No? Yes (Don't know)	No (Refused)		(N/A - No visitors)	
Yes	No (Refused)		(N/A - No visitors)	=
Yes (Don't know) Were disposable boots or clean boots required for visitors entering animal Yes or No?	No (Refused)	○ No	(N/A - No visitors)	=
Yes (Don't know) Were disposable boots or clean boots required for visitors entering anim:	No (Refused)	○ No ○ (Refused)	(N/A - No visitors)	=
Yes (Don't know) Were disposable boots or clean boots required for visitors entering animal Yes or No? Yes or No? (Don't know) Were footbaths required for visitors entering animal areas?	No (Refused)		(N/A - No visitors)	=
Yes (Don't know) Were disposable boots or clean boots required for visitors entering animal Yes or No? Yes (Don't know)	No (Refused)	(Refused)	(N/A - No visitors)	
Yes (Don't know) Were disposable boots or clean boots required for visitors entering animal Yes or No? Yes (Don't know) Were footbaths required for visitors entering animal areas? Yes or No?	No (Refused)	(Refused)	(N/A - No visitors)	
Yes (Don't know) Were disposable boots or clean boots required for visitors entering animal ves or No? Yes or No? (Don't know) Were footbaths required for visitors entering animal areas? Yes or No? Yes (Don't know) Were there restrictions on vehicles entering animal areas?	No (Refused)	(Refused)	(N/A - No visitors)	
Yes (Nort know) Were disposable boots or clean boots required for visitors entering animal ves or No? Yes (Nort) Yes (Nort) Were footbaths required for visitors entering animal areas? Yes or No? Yes (Nort) Were there restrictions on vehicles entering animal areas? Yes or Nort	No (Refused) al areas?	(Refused)	(N/A - No visitors) (N/A - No vehicles)	
Yes (Don't know) Were disposable boots or clean boots required for visitors entering animal yes or No? Yes or No? (Don't know) Were footbaths required for visitors entering animal areas? Yes or No? Yes (Don't know) Were there restrictions on vehicles entering animal areas? Yes or No? Yes or No? Yes or No? (Don't know)	No (Refused)	(Refused)		
Yes (Nort know) Were disposable boots or clean boots required for visitors entering animal ves or No? Yes (Nort) Yes (Nort) Were footbaths required for visitors entering animal areas? Yes or No? Yes (Nort) Were there restrictions on vehicles entering animal areas? Yes or Nort	No (Refused) al areas?	(Refused)		
Yes (Don't know) Were disposable boots or clean boots required for visitors entering animal yes or No? Yes or No? (Don't know) Were footbaths required for visitors entering animal areas? Yes or No? Yes or No? (Don't know) Were there restrictions on vehicles entering animal areas? Yes or No?	No (Refused) al areas? No (Refused)	(Refused)		
Yes (Don't know) Were disposable boots or clean boots required for visitors entering animal view or No? Yes or No? Yes (Don't know) Were footbaths required for visitors entering animal areas? Yes or No? Yes (Don't know) Were there restrictions on vehicles entering animal areas? Yes or No? Yes or No? Yes (Don't know) Was movement of horses onto the feedlot restricted? Yes or No? (Don't know)	No (Refused) al areas? No No (Refused)	(Refused)	(N/A - No vehicles)	
Yes (Don't know) Were disposable boots or clean boots required for visitors entering animal ves or No? Yes or No?	No (Refused) al areas? No (Refused)	(Refused) No (Refused)	(N/A - No vehicles)	
Yes (Don't know) Were disposable boots or clean boots required for visitors entering animal yes or No? Yes or No? Yes (Don't know) Were footbaths required for visitors entering animal areas? Yes or No? Yes (Don't know) Were there restrictions on vehicles entering animal areas? Yes or No? Yes (Don't know) Was movement of horses onto the feedlot restricted? Yes or No? Yes (Don't know) Was movement of horses onto the feedlot restricted? Yes or No?	No (Refused) al areas? No (Refused)	(Refused) No (Refused)	(N/A - No vehicles)	
Yes (Don't know) Were disposable boots or clean boots required for visitors entering animal ves or No? Yes or No?	No (Refused) al areas? No (Refused)	(Refused) No (Refused)	(N/A - No vehicles)	





•		Health Managemen	nt on U.S. Feedlots 2020			≡
What was the total time, in minutes, to complete the int	terview? Include time	e to discuss the study and to comple	te the questionnaire.			^
					minutes	
What was the total travel time, in minutes?						
					minutes	
How many data collectors were involved in this intervie	w?					
Federal VMO		State VMO		Other		
Specify other data collector:		₽.				
Enter appropriate response code:						
Select an option Code 99 for Survey Completed. Code 00-07 are reasons for incomplete s	survey.					
Which code best describes the respondent's position w	vith this operation?					
Select an option						₹
Your assessment of producer data quality:						
Select an option						~
Other comments regarding this questionnaire or operat	tion:					
G		Section E.	Office Use Only			