

The following is a summary of the raw, uncleaned data for pre and post exam questions from the Maryland and West Virginia Online 4-H Animal Husbandry and Quality Assurance program. It is for informational purposes only. The raw data will be cleaned and statistically analyzed and reported at a later date. Many of the questions were taken from the Basecamp Survey Bank for 4H Evaluation Projects.

INTERMEDIATE/SENIOR TRACT

Q2 - It is very important for you to demonstrate to the general public that youth livestock producers and animal caretakers are properly caring for their animals.

#	Answer	PRE		POST	
		%	Count	%	Count
1	True	99.61%	2797	99.41%	2681
2	False	0.39%	11	0.59%	16
	Total	100%	2808	100%	2697

Q10 - Diseases can move between animals and people. This statement is

_____.

#	Answer	PRE		POST	
		%	Count	%	Count
1	True	94.19%	2595	97.78%	2600
2	False	5.81%	160	2.22%	59
	Total	100%	2755	100%	2659

Q11 - Only sick animals can spread diseases to people. This statement is

_____.

#	Answer	PRE		POST	
		%	Count	%	Count
1	True	14.95%	412	16.66%	444
4	False	85.05%	2343	83.39%	2230
	Total	100%	2755	100%	2674

Q12 - Which activities could pass germs to you? Mark ALL that apply.

#	Answer	PRE		POST	
		%	Count	%	Count
1	Touching animals	11.75%	2576	11.40%	2545
2	Feeding animals	9.90%	2171	10.32%	2303
3	Touching animal pens and railings	11.38%	2495	11.32%	2527
4	Going inside an animal's pen	10.56%	2316	10.86%	2424
5	Eating or drinking in animal areas	10.84%	2378	11.08%	2472
6	Hugging or cuddling or kissing animals	11.86%	2601	11.53%	2573
7	Sleeping in a pen or barn with animals	11.57%	2538	11.30%	2521
8	Bringing animals inside the house	11.22%	2460	11.15%	2488
9	Touching shoes or clothing that were in animal areas	10.66%	2338	10.87%	2425
10	None of these	0.27%	59	0.17%	38
	Total	100%	21932	100%	22316

Q13 - What is the definition of a zoonotic disease?

#	Answer	PRE		POST	
		%	Count	%	Count
1	A disease found only in zoos	4.81%	132	1.65%	44
2	A disease that can pass between animals and humans	70.55%	1936	88.42%	2359
3	A disease found in water that makes animals restless	2.19%	60	1.69%	45
4	A disease that can pass between different animal species	22.45%	616	8.25%	220
	Total	100%	2744	100%	2668

Q14 - Do you believe that handling healthy-looking animals could make you sick?

#	Answer	PRE		POST	
		%	Count	%	Count
1	No	13.84%	381	8.91%	238
2	Sort of	15.19%	418	9.03%	241
3	Yes	63.15%	1738	79.48%	2122
4	I don't know	7.81%	215	2.58%	69
	Total	100%	2752	100%	2670

Q15 - Do you believe that you could make healthy-looking animals sick by handling them?

#	Answer	PRE		POST	
		%	Count	%	Count
1	No	12.67%	349	6.89%	184
2	Sort of	13.65%	376	9.93%	265
3	Yes	68.19%	1878	81.00%	2162
4	I don't know	5.48%	151	2.17%	58
	Total	100%	2754	100%	2669

Q16 - How long should you scrub when you wash your hands?

#	Answer	PRE		POST	
		%	Count	%	Count
1	5 seconds	0.18%	5	0.26%	7
2	10 seconds	2.19%	60	1.61%	43
3	15 seconds	7.32%	201	6.48%	173
4	20 seconds or more	89.11%	2446	91.04%	2429
5	I don't know	1.20%	33	0.60%	16
	Total	100%	2745	100%	2668

Q17 - What are reason(s) you sometimes do not wash your hands after working with animals? Mark ALL that apply.

#	Answer	PRE		POST	
		%	Count	%	Count
1	Sometimes it feels like a waste of time when I have other things going on	9.22%	607	8.57%	524
4	Sometimes my hands don't seem to be dirty so they don't need to be washed	11.44%	753	10.12%	619
5	Sometimes I don't think it does much good - my hands are only going to get dirty again	10.44%	687	9.57%	585
6	Sometimes I use hand sanitizer instead	25.56%	1682	26.65%	1630
7	Sometimes I can not figure out the handwashing station	4.26%	280	5.30%	324
8	Sometimes I can't get to the handwashing station (too far away, lines too long, couldn't find them)	11.06%	728	11.27%	689
9	Sometimes I think the handwashing stations are too dirty	6.98%	459	7.50%	459
10	Sometimes I can't find any soap, running water, or paper towels at the handwashing station	15.93%	1048	15.57%	952
11	Other:	5.11%	336	5.46%	334
	Total	100%	6580	100%	6116

Q19 - How likely would you be...

PRE

#	Question	Not likely		It depends		Somewhat likely		Very likely		Total
1	to change your behavior at the farm to keep yourself healthier?	2.16%	59	7.17%	196	17.62%	482	73.05%	1998	2735
2	to change your behavior at the fair to keep yourself healthier?	1.79%	49	5.13%	140	15.05%	411	78.03%	2131	2731
3	to change your behavior at the farm to keep your animals healthier?	1.03%	28	3.12%	85	11.26%	307	84.60%	2307	2727
4	to change your behavior at the fair to keep your animals healthier?	1.18%	32	3.01%	82	9.70%	264	86.11%	2343	2721

POST

#	Question	Not likely		It depends		Somewhat likely		Very likely		Total
1	to change your behavior at the farm to keep yourself healthier?	1.61%	43	4.05%	108	11.52%	307	82.81%	2207	2665
2	to change your behavior at the fair to keep yourself healthier?	0.94%	25	3.38%	90	10.23%	272	85.45%	2272	2659
3	to change your behavior at the farm to keep your animals healthier?	0.64%	17	2.26%	60	7.75%	206	89.36%	2376	2659
4	to change your behavior at the fair to keep your animals healthier?	0.72%	19	2.00%	53	6.52%	173	90.76%	2407	2652

Q20 - Which of the following is NOT an example of a good bio-security practice?

#	Answer	PRE		POST	
		%	Count	%	Count
1	Changing clothes when returning to your farm from the fair before going out to your animal barns	3.60%	98	2.41%	64
2	Discouraging fair visitors from petting or feeding your exhibit animals	8.38%	228	7.12%	189
3	Isolating animals that are coming home from the fair, keeping them away from other animals on the farm for 2 to 4 weeks.	5.29%	144	4.30%	114
4	Sharing animal grooming equipment with a younger club member at the fair	80.67%	2195	84.58%	2244
5	Using a clean trailer to transport your animal to the fair	2.06%	56	1.58%	42
	Total	100%	2721	100%	2653

Q23 - What is the purpose of completing a thorough check of your animal's health before loading it to travel to a fair or show?

#	Answer	PRE		POST	
		%	Count	%	Count
1	To calm your animal before loading it	2.38%	63	2.07%	54
2	To check the daily rate of gain	1.66%	44	1.11%	29
3	To make sure your animal shows no signs of contagious or infectious disease	94.72%	2511	95.32%	2487
4	To make sure that you have all of your show grooming equipment	1.24%	33	1.49%	39
	Total	100%	2651	100%	2609

JUNIOR TRACT

Q5 - Diseases can move between animals and people. This statement is

_____.

#	Answer	%	Count	%	Count
1	True	92.35%	1098	99.39%	1134
2	False	7.65%	91	0.61%	7
	Total	100%	1189	100%	1141

Q6 - What is the definition of a zoonotic disease?

#	Answer	%	Count	%	Count
1	A disease found only in zoos	5.68%	67	0.70%	8
2	A disease that can pass between animals and humans	65.48%	772	93.54%	1071
3	A disease found in water that makes animals restless	1.70%	20	0.61%	7
4	A disease that can pass between different animal species	27.14%	320	5.15%	59
	Total	100%	1179	100%	1145

Q7 - Which activities could pass germs to you? Mark ALL that apply.

#	Answer	%	Count	%	Count
1	Touching animals	11.75%	1137	11.35%	1113

2	Feeding animals	10.22%	989	10.52%	1032
3	Touching animal pens and railings	11.40%	1103	11.21%	1100
4	Going inside an animal's pen	10.53%	1019	10.92%	1071
5	Eating or drinking in animal areas	10.75%	1040	11.06%	1085
6	Hugging or cuddling or kissing animals	11.84%	1145	11.45%	1123
7	Sleeping in a pen or barn with animals	11.29%	1092	11.26%	1105
8	Bringing animals inside the house	11.18%	1082	11.05%	1084
9	Touching shoes or clothing that were in animal areas	10.88%	1053	11.08%	1087
10	None of these	0.14%	14	0.10%	10
	Total	100%	9674	100%	9810

Q8 - Do you believe that handling healthy-looking animals could make you sick?

#	Answer	%	Count	%	Count
1	No	14.24%	169	8.47%	97
2	Sort of	14.74%	175	4.63%	53
3	Yes	62.76%	745	85.94%	984
4	I don't know	8.26%	98	0.96%	11
	Total	100%	1187	100%	1145

Q9 - Do you believe that you could make healthy-looking animals sick by handling them?

#	Answer	%	Count	%	Count
1	No	12.81%	152	6.91%	79
2	Sort of	10.36%	123	6.21%	71
3	Yes	71.36%	847	86.00%	983
4	I don't know	5.48%	65	0.87%	10
	Total	100%	1187	100%	1143

Q10 - Hand washing is a good way to prevent spreading germs between animals and people. This statement is _____.

#	Answer	%	Count	%	Count
1	True	97.55%	1154	98.60%	1123
2	False	2.45%	29	1.40%	16
	Total	100%	1183	100%	1139

Q11 - What is the best way to clean your hands after being around animals?

#	Answer	%	Count	%	Count
1	Wipe them off on you pants	0.34%	4	0.26%	3
2	Hand sanitizer	3.12%	37	1.14%	13
3	Warm water	0.34%	4	0.52%	6
4	Warm water and soap	96.21%	1141	98.08%	1122
	Total	100%	1186	100%	1144

Q12 - Which of the following is not an example of a good bio-security practice?

#	Answer	%	Count	%	Count
1	Changing clothes when returning to your farm from the fair before going out to your animal barns	4.41%	52	3.34%	38
2	Discouraging fair visitors from petting or feeding your exhibit animals	8.40%	99	5.80%	66
3	Isolating animals that are coming home from the fair, keeping them away from other animals on the farm for 2 to 4 weeks.	8.48%	100	5.36%	61
4	Sharing animal grooming equipment with your friend at the fair	78.71%	928	85.49%	972
	Total	100%	1179	100%	1137

Q13 - What is the purpose of checking your animal's health before loading it to travel to a fair or show?

#	Answer	%	Count	%	Count
1	To calm your animal before loading it	1.52%	18	1.05%	12
2	To check the daily rate of gain	0.51%	6	0.18%	2
3	To make sure that you have all of your show grooming equipment	0.59%	7	0.62%	7
4	To make sure your animal shows no signs of contagious or infectious disease	97.38%	1154	98.15%	1117
	Total	100%	1185	100%	1138

Q15 - By following the Code of Animal Science Ethics, you promise to do which of the following things?

#	Answer	%	Count	%	Count
1	To be responsible for the daily care and grooming of your 4-H project animals	4.07%	47	2.85%	32
2	To only treat a sick animal at a fair or show under guidance of fair officials	0.35%	4	0.18%	2
3	To only bring animals that are free of drug residues to fairs and shows where project animals will enter the food chain	1.47%	17	0.98%	11
4	To treat all judges, fair officials, and other exhibitors with courtesy and respect	1.82%	21	0.89%	10
5	All of the above	92.29%	1065	95.10%	1067
	Total	100%	1154	100%	1122