

Table 1. Mean (\pm SE) Likert scale choices in response to statement about animal welfare, relevant issues and Taiwan animal protection Law.

Statement	Overall	Male	Female	Academic	Government	Clinic	vet	researcher	others
I know “The Five Freedom” proposed by the FAWC in animal welfare	3.06 \pm 1.09	3.11 \pm 1.08	2.95 \pm 1.17	2.98 \pm 1.29	3.31 \pm 1.06	3.04 \pm 0.97	3.08 \pm 1.00	3.02 \pm 1.26	3.08 \pm 1.27
Vertebrates have the same perceptions as humans do	4.37 \pm 0.89	4.29 \pm 0.93	4.59 \pm 0.77	4.65 \pm 0.63	4.08 \pm 1.01	4.26 \pm 0.96	4.25 \pm 0.97	4.67 \pm 0.47	4.08 \pm 1.23
I understand the content of current animal protection laws	3.41 \pm 0.91	3.52 \pm 0.89	3.12 \pm 0.91	3.21 \pm 0.91	3.89 \pm 0.75	3.40 \pm 0.91	3.40 \pm 0.88	3.28 \pm 0.92	4.00 \pm 0.95
Veterinarians are important in communication and education about issues of animal protection	4.36 \pm 0.70	3.34 \pm 0.73	4.43 \pm 0.61	4.51 \pm 0.53	4.17 \pm 0.78	4.31 \pm 0.75	4.31 \pm 0.73	4.53 \pm 0.54	4.08 \pm 0.90
Current animal protection laws are sufficient to protect animals	2.01 \pm 0.94	2.08 \pm 0.97	1.83 \pm 0.85	2.10 \pm 0.94	2.25 \pm 1.03	1.86 \pm 0.89	1.86 \pm 0.88	2.25 \pm 0.93	2.26 \pm 1.21
Animal shelters in Taiwan have achieved the expected functions and goals (e.g., lost animal identification, adoption and neutralization).	2.63 \pm 1.07	2.74 \pm 1.05	2.31 \pm 1.07	2.59 \pm 1.04	3.00 \pm 1.06	2.53 \pm 1.08	2.57 \pm 1.08	2.68 \pm 1.10	2.78 \pm 0.85
I will anesthetize animals no matter how long a surgical operation takes	4.22 \pm 0.89	4.24 \pm 0.87	4.18 \pm 0.93	4.21 \pm 0.91	4.12 \pm 0.94	4.26 \pm 0.86	4.24 \pm 0.86	4.25 \pm 0.88	3.95 \pm 1.06
I will prevent animals from unnecessary sufferings by any means	4.48 \pm 0.57	4.46 \pm 0.54	4.53 \pm 0.67	4.52 \pm 0.60	4.44 \pm 0.50	4.46 \pm 0.58	4.44 \pm 0.62	4.52 \pm 0.51	4.54 \pm 0.50
I will give a warning to the abuser that it is illegal or report it to the organization concerned when I witness an animal abuse	3.94 \pm 0.74	3.94 \pm 0.72	3.92 \pm 0.78	3.92 \pm 0.74	4.06 \pm 0.70	3.91 \pm 0.75	3.92 \pm 0.74	3.96 \pm 0.70	4.00 \pm 0.90
Taking courses and trainings of animal welfare raise the image and ability of veterinary profession	3.20 \pm 1.23	3.21 \pm 1.26	3.16 \pm 1.16	3.53 \pm 1.21	2.97 \pm 1.17	3.03 \pm 1.23	3.04 \pm 1.25	3.61 \pm 1.13	2.82 \pm 1.11

Table 2. Mean (\pm SE) Likert scale choices in response to statement about farm animal and lab animal welfare

Statement	Overall	Male	Female	Academic	Government	Clinic	Vet	researcher	Others
It is important to satisfy the need of farm animals to behave normally	4.06 \pm 0.68	4.04 \pm 0.66	4.10 \pm 0.72	4.20 \pm 0.72	4.14 \pm 0.50	3.93 \pm 0.67	3.98 \pm 0.63	4.13 \pm 0.62	4.20 \pm 0.76
Generally, farm animals in Taiwan are handled and treated humanely	2.45 \pm 0.97	2.50 \pm 0.99	2.32 \pm 0.91	2.53 \pm 1.01	2.55 \pm 0.92	2.36 \pm 0.96	2.36 \pm 0.95	2.60 \pm 0.94	2.59 \pm 1.01
Farm animals should have sufficient space to move freely	3.95 \pm 0.87	3.95 \pm 0.82	3.97 \pm 1.01	4.05 \pm 0.91	3.87 \pm 0.94	3.91 \pm 0.83	3.88 \pm 0.87	4.17 \pm 0.77	4.04 \pm 0.89
Farm animals should be stunned before slaughtering and bleeding	4.47 \pm 0.61	4.43 \pm 0.61	4.59 \pm 0.60	4.60 \pm 0.56	4.48 \pm 0.50	4.38 \pm 0.66	4.43 \pm 0.62	4.43 \pm 0.58	4.58 \pm 0.57
Farm animals should have sufficient space to sprawl or crouch	4.44 \pm 0.67	4.41 \pm 0.60	4.51 \pm 0.83	4.51 \pm 0.75	4.42 \pm 0.49	4.40 \pm 0.67	4.43 \pm 0.64	4.43 \pm 0.50	4.47 \pm 0.77
Farm animals should have comfortable padding to sprawl or crouch	4.12 \pm 0.84	4.13 \pm 0.78	4.11 \pm 0.98	4.18 \pm 0.94	4.04 \pm 0.72	4.11 \pm 0.81	4.15 \pm 0.76	4.04 \pm 0.87	4.08 \pm 0.98
Operating procedures of laboratory animals should be strictly assessed, examined and approved	4.42 \pm 0.64	4.38 \pm 0.67	4.51 \pm 0.55	4.45 \pm 0.66	4.36 \pm 0.52	4.44 \pm 0.60	4.44 \pm 0.58	4.34 \pm 0.57	4.42 \pm 0.68
Operating procedures of laboratory animal should be strictly assessed and examined by veterinarians	4.46 \pm 0.63	4.43 \pm 0.67	4.53 \pm 0.52	4.58 \pm 0.61	4.38 \pm 0.49	4.40 \pm 0.67	4.42 \pm 0.64	4.52 \pm 0.51	4.52 \pm 0.63
Personnel involved in operating procedures of laboratory animal should have training of laboratory animal ethics	4.51 \pm 0.56	4.48 \pm 0.58	4.59 \pm 0.51	4.57 \pm 0.55	4.40 \pm 0.49	4.52 \pm 0.56	4.52 \pm 0.54	4.52 \pm 0.51	4.52 \pm 0.58
It is necessary to reduce the use of laboratory animals whatever the	4.20 \pm 0.87	4.20 \pm 0.88	4.20 \pm 0.83	4.29 \pm 0.84	4.06 \pm 0.91	4.19 \pm 0.87	4.19 \pm 0.87	3.86 \pm 1.05	4.31 \pm 0.80

purpose of the animal use is

Animal welfare status can be raised
or improved only if the costs do not
increase

2.91±1.14 2.96±1.15 2.75±1.11 2.87±1.19 3.17±1.10 2.86±1.12 2.92±1.14 2.89±1.16 2.95±1.10

As a consumer, I am willing to pay
more for products with higher animal
welfare standards

4.01±0.82 4.04±0.79 3.96±0.90 4.04±0.86 4.06±0.70 3.98±0.83 4.01±0.80 4.04±0.86 4.00±0.85

Table 3. Mean (\pm SE) Likert scale choices in response to statement about Five Freedoms.

Statement	Overall	Male	Female	Academic	Government	Clinic	vet	researcher	others
Freedom from hunger and thirst	4.64 \pm 0.51	4.60 \pm 0.52	4.75 \pm 0.46	4.72 \pm 0.49	4.57 \pm 0.49	4.61 \pm 0.52	4.63 \pm 0.51	4.68 \pm 0.51	4.56 \pm 0.50
Freedom from injury and disease	4.60 \pm 0.56	4.56 \pm 0.59	4.74 \pm 0.46	4.68 \pm 0.59	4.57 \pm 0.49	4.56 \pm 0.57	4.59 \pm 0.55	4.64 \pm 0.62	4.56 \pm 0.50
Freedom from fear and distress	4.59 \pm 0.56	4.55 \pm 0.56	4.71 \pm 0.52	4.68 \pm 0.50	4.57 \pm 0.49	4.54 \pm 0.60	4.57 \pm 0.58	4.64 \pm 0.52	4.56 \pm 0.50
Freedom from discomfort	4.54 \pm 0.61	4.48 \pm 0.63	4.72 \pm 0.50	4.60 \pm 0.58	4.57 \pm 0.49	4.50 \pm 0.66	4.55 \pm 0.62	4.53 \pm 0.62	4.56 \pm 0.50
Freedom to express normal behavior	4.49 \pm 0.67	4.43 \pm 0.70	4.64 \pm 0.57	4.54 \pm 0.65	4.53 \pm 0.58	4.45 \pm 0.68	4.49 \pm 0.66	4.49 \pm 0.67	4.52 \pm 0.59

Table 4. Mean (\pm SE) Likert scale choices in response to statement about animal welfare in veterinary education

Statement	Overall	Male	Female	Academic	Government	Clinic	vet	researcher	Others
Education or training about animal welfare is important	4.33 \pm 0.59	4.30 \pm 0.61	4.44 \pm 0.50	4.38 \pm 0.59	4.31 \pm 0.55	4.32 \pm 0.57	4.34 \pm 0.54	4.34 \pm 0.61	4.39 \pm 0.65
Courses about animal welfare should be included in the compulsory curriculum of veterinary education	4.23 \pm 0.73	4.18 \pm 0.77	4.37 \pm 0.57	4.33 \pm 0.70	4.23 \pm 0.66	4.17 \pm 0.76	4.22 \pm 0.73	4.26 \pm 0.72	4.26 \pm 0.75
Education or training about laboratory animals is important	4.32 \pm 0.59	4.27 \pm 0.62	4.46 \pm 0.50	4.42 \pm 0.61	4.31 \pm 0.55	4.27 \pm 0.56	4.30 \pm 0.54	4.40 \pm 0.64	4.30 \pm 0.63
Courses about laboratory animal welfare should be included in the compulsory curriculum of veterinary education	4.17 \pm 0.75	4.13 \pm 0.77	4.28 \pm 0.67	4.24 \pm 0.78	4.19 \pm 0.64	4.12 \pm 0.75	4.16 \pm 0.71	4.18 \pm 0.81	4.17 \pm 0.77
Education or courses about animal ethics is important	4.31 \pm 0.62	4.28 \pm 0.64	4.39 \pm 0.56	4.38 \pm 0.64	4.27 \pm 0.57	4.28 \pm 0.60	4.31 \pm 0.57	4.32 \pm 0.66	4.30 \pm 0.70
Courses about animal ethics should be included in the compulsory curriculum of veterinary education.	4.15 \pm 0.80	4.10 \pm 0.84	4.28 \pm 0.67	4.22 \pm 0.79	4.25 \pm 0.70	4.09 \pm 0.80	4.14 \pm 0.77	4.16 \pm 0.83	4.30 \pm 0.70
Communication skills for a potential conflict which a veterinarian may encounter during implementing animal welfare policies is important	4.43 \pm 0.57	4.41 \pm 0.57	4.49 \pm 0.57	4.50 \pm 0.59	4.46 \pm 0.54	4.38 \pm 0.57	4.41 \pm 0.57	4.48 \pm 0.58	4.43 \pm 0.58
Courses about the communication skills for a potential conflict during implementing animal welfare policies should be included in the compulsory curriculum of veterinary education.	4.17 \pm 0.79	4.14 \pm 0.80	4.25 \pm 0.75	4.18 \pm 0.86	4.25 \pm 0.70	4.15 \pm 0.76	4.17 \pm 0.78	4.15 \pm 0.84	4.30 \pm 0.63

