

Table S4: Estimated coefficients and odds ratios from a multilevel mixed effects logistic regression model for the association between survey factors and decreased AMD cost compared to 2018.

Variables	Coefficient	SE	Odds Ratio	95% CI		<i>P</i> -value ¹
				Lower	Upper	
Region²						
GSCA	Referent					
NCA + NSJV	0.51	0.55	1.67	0.61	4.86	0.35
Herd size, milking cows						
<1304	Referent					
≥1304	0.33	0.58	1.39	0.45	4.32	0.56
Breed						
Holstein	Referent					
Jersey	1.82	1.41	6.20	0.40	97.40	0.20
Crossbred	-1.38	1.34	0.25	0.01	3.43	0.30
Mix/Other	-0.71	0.65	0.48	0.14	1.75	0.27
Farm's animal health						
No Change+ Worse	Referent					
Better	1.70	0.55	5.48	1.85	16.17	<0.01
Use or increased use of alternatives to AMD since 2018						
No	Referent					
Yes	2.11	0.58	7.89	2.54	24.57	<0.01

¹ Factors are statistically significant at $P \leq 0.05$.

² Northern California (NCA), Northern San Joaquin Valley (NSJV), and Greater Southern California (GSCA).