

Uncorrected chi2(1) = 58.3020
 Design-based F(1, 4417) = 49.6352 P = 0.0000

How to make odds ratio for cross-sectional design survey? Should I make syntax for prevalence ratio or may I take directly odds ratio in the syntax below?

5.
 . svy linearized : logistic sex malaria

and output here :
 (running logistic on estimation sample)

Survey: Logistic regression

Number of strata = 1 Number of obs = 259,885
 Number of PSUs = 4,418 Population size = 30,152,652
 Design df = 4,417
 F(1, 4417) = 49.54
 Prob > F = 0.0000

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	Linearized				[95% Conf. Interval]	
sex	Odds Ratio	Std. Err.	t	P> t		
malaria	.8488294	.0197667	-7.04	0.000	.8109481	.8884803
_cons	1.034818	.0042681	8.30	0.000	1.026484	1.043219

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Based on the table above [chi square and binary logistic].

Where the sex variable which assumptions male is given code = 0 and female is given code = 1. Malaria prevalence differs by sex Males are more likely to have malaria than females (1.85% males versus 1.62% females, P = 0.000). Based on odds ratio (OR) female have the chances of getting malaria 0.85% or 0.85 times than male (as categorical reference)

How do I interpret an odds ratio less than 1 in a logistic regression?
 May I will be written male with a chance of 1 / 0.85 times or 1.2 times to get malaria compared than female as well?

or

The odds of malaria in male decreased by (1 - 0.85) 15% compared those in a female. Whatever on the dependent variable decreases. For each unit increase, it decreases by a multiple of (1 -

OR)

Thank you in advance for your reply

Sincerely yours,

Hamzah
