

Summary of Epidemiologic Measures of Occurrence

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A la la manuli a 41 a m		Risk	Rate	Odds
Abbreviation	Р	R	IR	0
		Cumulative incidence	Incidence rate	
Synonyms	Prevalence proportion	Incidence proportion	Incidence density	Incidence odds
			Proportion of the population	
	Proportion of the population	Proportion of the population	who developed the health	
	living with a health condition (or	who developed the health	condition per unit of time at risk	Ratio of cases to non-cases
	history of a condition) at at	condition over the specified	over the specified amount of	[For EO - ratio of exposed to
Interpretation in words	specific point or period in time	amount of follow-up time	follow-up time	unexposed]
	Period prevalence			Prevalence odds (PO)
Sub-types	Point prevalence			Exposure odds (EO)
				Cases (incident or prevalent -
				depends on study design)
Numerator	Prevalent cases	Incident cases	Incident cases	[For EO - Exposed]
	Total study population at point			
	of inquiry (either an average			
	over a period of time or at a	Total at-risk study population at		Non-cases (controls)
Denominator	specific point)	baseline	Total person-time at-risk	[For EO - Non-exposed]
Denominator includes			No - all subject must be free of	No for most odds
diseased subjects?	Yes	disease at baseline	disease at baseline	Yes for EO
Formula				Odds:(a+c)/(b+d)
(2x2 table abbreviations)	(a+c)/(a+b+c+d)	(a+c)/(a+b+c+d)	(a+c)/(total person-time at risk)	[EO: (a+b)/(c+d)]
		Cases per person (must report		
	Cases per person	time period of follow-up)		NONE
Range	0 - 1	0 - 1		0 - infinity
		Per 100 (%); 1,000; 10,000; or	Per 1,000; 10,000; or 100,000	
Common scaling factor	Percent	100,000 population	person-years	Not scaled
				Case-control
	Cross-sectional			Cross-sectional (PO)
	`	Cohort	Cohort	Cohort
	outcome variables)	Experimental	Experimental	Experimental
	Ecologic (group-level)	Ecologic (group-level)	Ecologic (group-level)	Ecologic (group-level)
	Prevalence ratio	Risk ratio	Rate ratio	
Associated measures	Prevalence difference	Risk difference	Rate difference	Odds ratio
				No for odds with prevalent
Requires prospective				cases
				IVaa far adda with incident
observation to ascertain incident cases?	No	Yes	Yes	Yes for odds with incident cases

2x2 Table



Non-diseased

Diseased