ABLE 13-1	Comparisons of Cohort and Case-Control Studie	
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	Cohort Studies			
	Prospective	Retrospective	Case-Control Studies	
A. Study group	Exposed persons: $(a + b)$	Exposed persons: $(a + b)$	Persons with diseases (cases): (c	
B. Comparison group C. Outcome measurements	Nonexposed persons: (c + d) Incidence in the exposed	Nonexposed persons: $(c + d)$ Incidence in the exposed	Persons without disease (control Proportion of cases exposed	
	$\left(\frac{a}{a+b}\right)$	$\left(\frac{a}{a+b}\right)$	$\left(\frac{\sigma}{\sigma + c}\right)$	
	and Incidence in the nonexposed	and Incidence in the nonexposed	and Proportion of controls exposed	
	$\left(\frac{c}{c+d}\right)$	$\left(\frac{c}{c+d}\right)$	$\left(\frac{b}{b+d}\right)$	
D. Measures of risk	Absolute risk	Absolute risk	_	
	Relative risk	Relative risk	_	
	Odds ratio	Odds ratio	Odds ratio	
Tomposol solutionabia	Attributable risk	Attributable risk	Attributable risk [†]	
E. Temporal relationship between exposure and disease	Easy to establish	Sometimes hard to establish	Sometimes hard to establish	
Multiple associations	Possible to study associations of an exposure with several diseases*	Possible to study associations of an exposure with several diseases*	Possible to study associations of disease with several exposures	
5. Time required for the study	Generally long because of need to follow-up the subjects	May be short	Relatively short	
Cost of study	Expensive	Generally less expensive than a prospective study	Relatively inexpensive	
Population size needed	Relatively large	Relatively large	Relatively small	
. Potential bias	Assessment of outcome	Susceptible to bias both in assessment of exposure and assessment of outcome	Assessment of exposure	
C. Best when	Exposure is rare	Exposure is rare	Disease is rare	
Benklassa	Disease is frequent among exposed	Disease is frequent among exposed	Exposure is frequent among the	
. Problems	Selection of nonexposed comparison group often difficult	Selection of nonexposed comparison group often difficult	Selection of appropriate controls difficult	
	Changes over time in criteria and methods	Changes over time in criteria and methods	Incomplete information on expos	

so possible to study multiple exposures when the study population is selected on the basis of a factor unrelated to the exposure, ovided additional information is available.

eference: Gordis L. 2004. Epidemiology. Third ed. Philidelphia: Elsevier Saunders; p.200.