Summary Report for Documents Reviewed at the					Date: 4/19/2023 Reviewer: Alex Grizas	
APIC Greater NY Chapter 13 Journal Club					Appraisal Score: B	
Article Being Evaluated: Impact of COVID-19 RT-PCR testing of asym Teixeira Mendes et al.)	ptomatic	health care wo	rker	s on absent		
LEVEL OF EVIDENCE						
REPORT OF A SINGLE RESEARCH STUDY? 🗵 Yes 🗆 No (if no go to su	ummary)					
SETTING: 325-bed regional referral hospital in Campinas, Brazil with	ICU, CO	/ID-19 unit, med	d/su	rg, etc. May	r-Aug 2020	
SAMPLE SIZE: 473 HCW on multiple units (170 beds)						
COMPOSITION: ICUs, COVID-19 wards, clinical and surgical wards, and				-		
473 HCW) in symptom screening and x3 COVID PCR testing if asymptom						
during the intervention and year prior (2019), absenteeism for COVI		ng the interven	tion	period, and	local COVID rates were measured.	
INTERVENTION(S) I Yes I No CONTROL I Yes I N	RANDOM ASSIGNMENT 🗆 Yes 🗆 No					
YES to intervention, control and random assignment	LEVEL I Randomized Controlled Trial (RCT) or Experimental Study					
YES to Intervention and either Control or Random Assignment		EX LEVEL II Quasi-experimental (no manipulation of independent variable; may have Random Assignment or Control				
YES to intervention only OR NO to intervention, Control and Random Assignment	<ul> <li>LEVEL III Non-experimental (no manipulation of independent variable; includes descriptive, comparative, and correlational studies; uses secondary data</li> <li>LEVEL III Qualitative (exploratory (e.g., interviews, focus groups)) starting point for studies where little research exists; small samples sizes; results used to design empirical studies.</li> </ul>					
QUALITY OF EVIDENCE: STUDY						
Does the researcher identify what is known and what is not known	⊠Yes	□No			Consistent, generalized result	
about the problem and how the study will address any gaps in				A HIGH	Sufficient sample size Adequate control	
knowledge?						
Was the purpose of the study clearly presented?	⊠Yes				Definitive conclusions	
Was the literature review current (most sources within last 5	⊠Yes	□No			Consistent recommendations based on comprehensive	
years)?					literature review that includes thorough reference to	
Was sample size sufficient based on study design and rationale?	⊠Yes	□No	-		scientific evidence	
If there was a control group:					Reasonably consistent result Sufficient sample size for the study design	
- Were the characteristics and/or demographics similar in both	□Yes	□No □NA				
control and intervention groups? (they didn't speak to any					Some control	
changes in staffing in 2019 vs. 2020, or anything that happened					Fairly definite conclusions	
					Reasonably consistent recommendations based on fairly	
at the very start of the pandemic (i.e., March/April 2020) at						
their facility)				В	comprehensive literature review that includes some	
their facility) - If multiple settings were used, were the settings similar?		□No ⊠NA		B GOOD		
<ul> <li>their facility)</li> <li>If multiple settings were used, were the settings similar?</li> <li>Were all groups treated equally except for the intervention</li> </ul>		□No ⊠NA □No □NA			comprehensive literature review that includes some	
<ul> <li>their facility)</li> <li>If multiple settings were used, were the settings similar?</li> <li>Were all groups treated equally except for the intervention group(s)?</li> </ul>	⊠Yes	□No □NA			comprehensive literature review that includes some	
<ul> <li>their facility)</li> <li>If multiple settings were used, were the settings similar?</li> <li>Were all groups treated equally except for the intervention group(s)?</li> <li>Are data collection methods described clearly? (would like to have</li> </ul>	⊠Yes				comprehensive literature review that includes some	
<ul> <li>their facility)</li> <li>If multiple settings were used, were the settings similar?</li> <li>Were all groups treated equally except for the intervention group(s)?</li> </ul>	⊠Yes ⊠Yes	□No □NA			comprehensive literature review that includes some	

Was instrument validity discussed?	⊠Yes ⊡No □NA	С			
Was the instrument reliable (e.g., Cronbach's $\alpha \ge 0.70$ )?	⊠Yes ⊡No □NA	Low	Little evidence with inconsistent results		
If survey/questionnaire was used, was response rate ≥ 25%	□Yes □No ⊠NA	Quality	Insufficient sample size for the study design		
		Or Major	Conclusions cannot be drawn		
		Flaws			
If tables were presented, was the narrative consistent with the	⊠Yes ⊡No □NA	Additiona	ditional Comments:		
table content?					
Were the results presented clearly?	⊠Yes ⊡No □NA				
Were conclusions based on results?	⊠Yes ⊡No □NA				
Were study limitations identified and addressed? (but they could	⊠Yes ⊡No □NA				
have expounded on future outbreaks/pandemics and utility, would					
have liked to seen more data about the symptomatic HCW)					

\*\*This appraisal tool has been modified from AORN Research Evidence Appraisal tool – Ref: Sadahiro S., Suzuki T., Tanaka A., et al. AORN Journal, July 2014 Vol 100 No 1