

## Coronacheck Algorithm Logic

01.12.2020

LOGIC	FLAG
swisscovid = TRUE OR contact_intimate = TRUE OR ((prof = TRUE AND no_mask_user = TRUE) OR (prof = FALSE AND (no_mask_user = TRUE OR no_mask-infected = TRUE))) OR (contact = TRUE and pediatric = TRUE)	close_contact
contact = TRUE AND close_contact = FALSE	contact_no_close =
symp_major = TRUE OR symp_minor = TRUE	symp
resp OR fever OR anos OR confuse OR virosis	symp_major
muscle OR head OR asthenia OR rhinitis OR abdomen OR skin	symp_minor
age = 12, 13, 14, 15, 16 or 17	teen
age >=18	adult
LOGIC	MESSAGE
symp_minor = TRUE AND close_contact = TRUE AND pastcovid=FALSE	header_test_probably_or_minor
(Pediatric = FALSE AND (symp= TRUE OR swisscovid=TRUE) AND pastcovid=FALSE) OR (Pediatric = TRUE AND symp = TRUE AND contact = TRUE AND pastcovid=FALSE)	header_test_yes
(Pediatric = TRUE AND contact = FALSE AND ((bad_condition = TRUE OR ((resp OR fever = TRUE) AND othersymp = TRUE))) AND pastcovid=FALSE)	header_test_probably_or_minor
else du choix exclusif 12 13 14	header_test_no
(pediatric = FALSE AND symp = TRUE AND close_contact = FALSE AND pastcovid=TRUE) OR (pediatric = TRUE AND symp = TRUE AND contact = FALSE AND pastcovid=TRUE)	pastcovid_no_isolation
(close_contact = TRUE AND swisscovid = FALSE AND (symp_major = FALSE AND symp_minor = FALSE) AND pastcovid=TRUE) OR (pediatric = TRUE AND symp = FALSE AND contact = TRUE AND pastcovid=TRUE)	pastcovid_no_quarantine
(pediatric = FALSE AND symp=TRUE AND close_contact = TRUE AND pastcovid=TRUE) OR (pediatric = TRUE AND symp = TRUE and contact = TRUE AND pastcovid=TRUE)	pastcovid_no_isolation_no_quarantine
swisscovid=TRUE AND symp = FALSE AND pastcovid=TRUE	pastcovid_swisscovid
(canton = Valais OR canton = VAUD) AND contact_intimate = TRUE-AND swisscovid = FALSE AND symp = FALSE AND pastcovid=FALSE	self_quarantine_intimate
swisscovid=TRUE AND symp =FALSE AND pastcovid=FALSE	contact_swisscovid
pastcovid=FALSE AND (close_contact = TRUE AND swisscovid = FALSE AND symp = FALSE) OR (pediatric = TRUE AND symp = FALSE AND contact = TRUE)	self_quarantine

canton = Vaud AND pastcovid=FALSE AND ((pediatric = FALSE AND (sympt=TRUE OR swisscovid=TRUE)) OR (pediatric = TRUE AND sympt = TRUE AND contact = TRUE) OR bad_condition = TRUE OR ((resp = TRUE OR fever = TRUE) AND othersymp=TRUE)))	test_now_vaud
canton = neuc AND pastcovid=FALSE AND ((pediatric = FALSE AND (sympt = TRUE OR swisscovid=TRUE)) OR (pediatric = TRUE AND ((sympt = TRUE AND contact = TRUE) OR bad_condition = TRUE OR (resp OR fever = TRUE AND othersymp=TRUE))))	test_now_neuc
canton = vala AND pastcovid=FALSE AND ((pediatric = FALSE AND (sympt = TRUE OR swisscovid=TRUE)) OR (pediatric = TRUE AND ((sympt = TRUE AND contact = TRUE) OR bad_condition = TRUE OR (resp OR fever = TRUE AND othersymp=TRUE))))	test_now_vala
canton = other AND pastcovid=FALSE AND ((pediatric = FALSE AND (sympt = TRUE OR swisscovid=TRUE)) OR (pediatric = TRUE AND ((sympt = TRUE AND contact = TRUE) OR bad_condition = TRUE OR (resp OR fever = TRUE AND othersymp=TRUE))))	test_now_other
canton=bern	redirect_bern
canton=frib	redirect_frib
pregnant = TRUE AND sympt = TRUE AND pastcovid=FALSE	call_doc_now_pregnant
contact_no_close = TRUE AND sympt=FALSE AND pastcovid=FALSE	contact_no_close
pediatric = TRUE AND contact = FALSE AND pastcovid=FALSE	test_contact
pediatric = FALSE AND sympt = TRUE AND close_contact = FALSE AND prof = TRUE AND canton = VAUD AND pastcovid=FALSE	self_isolation_worker
pastcovid=FALSE AND sympt_minor = TRUE AND swisscovid = FALSE AND close_contact = FALSE AND pediatric = FALSE	self_isolation_test_minor
pastcovid=FALSE AND ((pediatric = FALSE AND sympt_major = TRUE AND close_contact = FALSE) OR (pediatric = TRUE AND (bad_condition = TRUE OR (resp OR fever = TRUE AND othersymp = TRUE)) AND contact = FALSE ) )	self_isolation_test

pastcovid=FALSE AND (pediatric = TRUE AND (resp = TRUE OR fever = TRUE) AND othersymp = FALSE AND bad_condition = FALSE AND contact = FALSE)	self_isolation_notest_child
sympt=TRUE AND close_contact = TRUE AND prof=TRUE AND canton = vaud AND pastcovid=FALSE	self_isolation_and_contact_worker
(canton = Valais OR canton = VAUD) AND contact_intimate = TRUE AND sympt = TRUE AND pastcovid=FALSE	self_isolation_and_contact_intimate
pastcovid=FALSE AND ((pediatric = FALSE AND sympt = TRUE AND close_contact = TRUE) OR (pediatric = TRUE AND symp = TRUE and contact = TRUE))	self_isolation_and_contact
pastccovid=FALSE AND canton = vaud AND prof = TRUE AND close_contact = TRUE AND swisscovid = FALSE	quarantine_prof
pediatric = TRUE and (fever = TRUE OR resp = TRUE) AND pastcovid = TRUE	pastcovid_child_school
pediatric = TRUE AND (((fever=FALSE AND resp = FALSE AND virosis = TRUE AND bad_condition = FALSE) OR symp = FALSE) AND contact = FALSE AND pastcovid = FALSE) OR (((fever AND resp = FALSE AND virosis = TRUE) OR symp = FALSE) AND pastcovid = TRUE)	child_school
sympt = TRUE AND pediatric = FALSE AND (canton=Valais OR canton = Vaud) AND pastcovid=FALSE	info_close_contact_yessymp_vaud
pediatric = FALSE AND pastocovid = FALSE AND (sympt= TRUE OR swisscovid = TRUE ))	info_close_contact_yessymp
pediatric = TRUE AND pastcovid=FALSE AND ((sympt = TRUE AND contact = TRUE) OR bad_condition = TRUE OR ((resp= TRUE OR fever = TRUE) AND othersymp = TRUE))	child_symp_contact_quarantine
pediatric = TRUE AND pastcovid=FALSE AND symp = TRUE AND othersymp = FALSE AND bad_condition = FALSE AND contact=FALSE	child_symp_nocontact_noquarantine
(pediatric = FALSE AND sympt = FALSE) OR (pediatric = TRUE AND ((symp = TRUE AND othersymp = FALSE AND bad_condition = FALSE AND contact=FALSE AND pastcovid=FALSE) OR symp = FALSE)	self_surveillance
(sympt = TRUE AND pediatric =FALSE) OR (pediatric = TRUE AND sympt = TRUE AND pastcovid=TRUE)	call_doc_if_worse
close_contact= FALSE AND sympt = FALSE	info_test_travel

close_contact= FALSE AND sympt = FALSE	info_test_work
(pediatric = FALSE AND ((sympt = FALSE AND close_contact= FALSE) OR pastcovid=TRUE)) OR (pediatric = TRUE AND (((fever AND resp = FALSE AND virosis = TRUE AND bad_condition = FALSE) OR symp = FALSE) AND contact = FALSE))	info_general_nosymp
risk_group = TRUE AND pregnant = FALSE AND ((sympt = FALSE AND close_contact= FALSE) OR pastcovid=TRUE))	info_riskgroup_nosymp
pregnant=TRUE AND ((sympt = FALSE AND close_contact= FALSE) OR pastcovid=TRUE))	info_pregnant_nosymp
prof = TRUE	info_mask_worker
canton = VAUD and adult = TRUE	vaud_questionnaire