HOME MONITORING FOR CATEGORY 1 & 2 COVID-19 PATIENTS for GPs

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TOPICS FOR DISCUSSION



SUITABLE PATIENT FOR HOME MONITORING



SUITABLE HOME ENVIRONMENT



TOOLS TO USE



MONITORING APPS

OBJECTIVES OF CAC

To identify patients who are suitable to be monitored at home.

To monitor and assess patients at home using standardised tools

To identify and assess patients with disease progression

To identify patients for PKRC / hospital admission

To coordinate referral from health clinic to PKRC / the hospital

PATIENT SELECTION CRITERIA



Adults ≤ 60 y.o with CAT 1 and CAT 2 Mild

No Comorbidity

Paediatric:
CAT 1:
All age groups

Suitable care giver

Paediatric:

CAT 2 Mild:

≥ 2 years old

Suitable Home condition

Able to adhere to SOP

SUITABLE CAREGIVER

FUNCTIONS OF CAREGIVER

To help patient follow instructions for self-care

To ensure patient have healthy meals, stay hydrated and get sufficient rest.

- To clean and disinfect areas frequently used or touched by the patient
- To call *CAC for consultation or 999 if patient's condition deteriorates.



Parents/ caregiver should observe strict hygiene practices to avoid becoming infected

*CAC

covid-19 assessment center who is monitoring the patient

THOSE WHO SHOULD NOT BE A CAREGIVER ARE:



- Adults over 60 years of age
- Pregnant women
- Patients with comorbidities e.g. chronic kidney diseases, chronic respiratory disease, uncontrolled diabetes mellitus, serious heart disease
- Immunocompromised persons (including those who have had transplants of a solid organ)
- People with other diseases considered as high risk by health personnel

SUITABLE HOME CONDITION

- Always has access to telephone
- Patient is able to adhere to home isolation (separate bedroom, well ventilated preferably with attached bathroom).
- Occupants in the house are not immunosuppressed.
- Suitable caregivers are present in the house.
- Preparation of patient's room for isolation at home
- Personal transport is available to bring patient from their home to the clinic/ hospital (avoid using public transport).



ADHERANCE TO STANDARD OERATING PROCEDURES

During home isolation patient should be able:

- To stay home, maintain physical distance with other house members, limit movements in the house and avoid visitors.
- To comply with basic preventive measures e.g. wear face mask, regular hand washing, practice cough etiquettes.
- To report health status to health care providers through MySejahtera or by phone call.
- To separate eating utensils, tableware (fork, knife, plate etc.), towels for their personal use.



How to Prepare the Patient's Room for Isolation

Prepare a room for the exclusive use of the patient.

If there is no room available for exclusive use, place a bed or mattress for the exclusive use of the patient as far as possible from the rest of the family, at a minimum distance of 3-6 feet.



Do not shake

The patient's room should have its own bathroom.

If this is not possible, the patient may use a common bathroom, but it should be disinfected with a 0.1% chlorine solution after each use.



Set aside eating utensils and tableware (fork, knife, plate, etc.) for the exclusive use of the patient.

These items may be washed with dishwasher soap.



Keep the room and the home well ventilated

(open windows),

Change and wash bedding daily

(bedding should be for the exclusive use of the patient).

Disinfect frequently touched surfaces with a 0.1% chlorine solution or alcohol.

Disinfect doorknobs, light switches, bed, table, remote control, bathroom, and any other item used by the patient at least once daily.

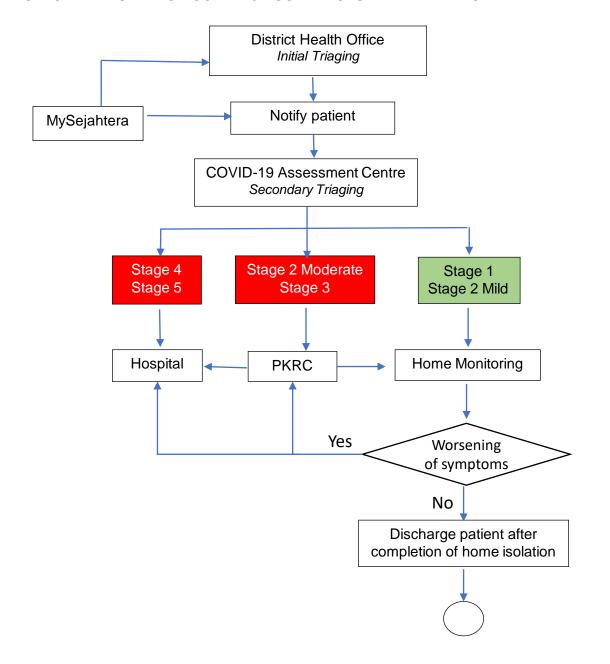


If the patient is allowed to have company, the caregiver should follow recommended biosafety measures (mask and hand hygiene).

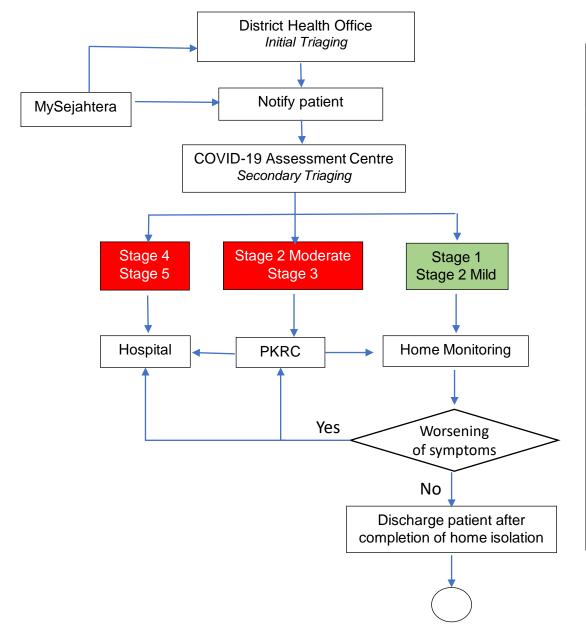
Limit to two the number of caregivers. The caregiver should be a family member who is healthy, young, and free from chronic illness.

The caregiver should use a mask when in the same room as the patient, or when at a distance of less than two meters (six feet) from the patient.



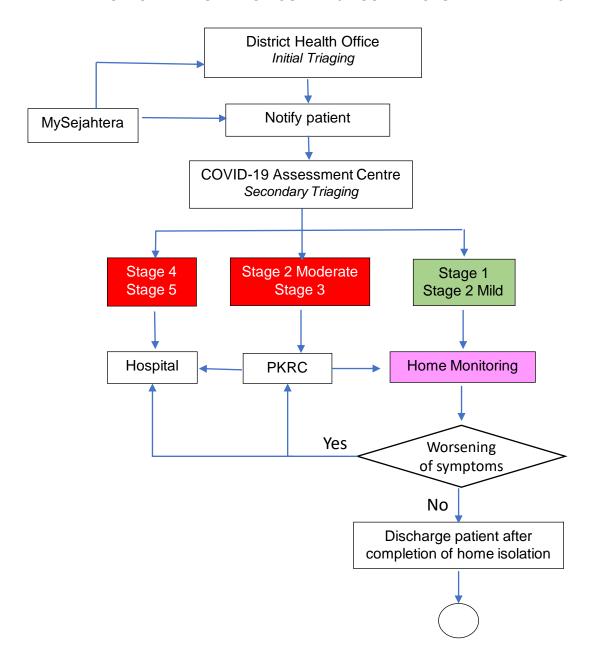


Activities:	Action by:
 Initial Triaging (Call patient) Verify details, location, contanumber Age stratification Identify comorbidities Assess symptoms using quest Enquire/ suitability of home Decision for admission/ home Give appointment date to att Provide patient with a contact On Call as decided by local set Advice patient on steps of set Issue Home Isolation Order (Aperintah Pengawasan Dan Pet Kes Jangkitan Penyakit Koron (COVID-19) Di Bawah Seksyer Pencegahan Dan Pengawalan Berjangkit 1988 – Akta 342) Provide wristband. 	ionnaire environment e monitoring end CAC t number (CAC/ tting) f-care at home Annex 14c – merhatian Bagi a Virus 2019 n 11(3) Akta

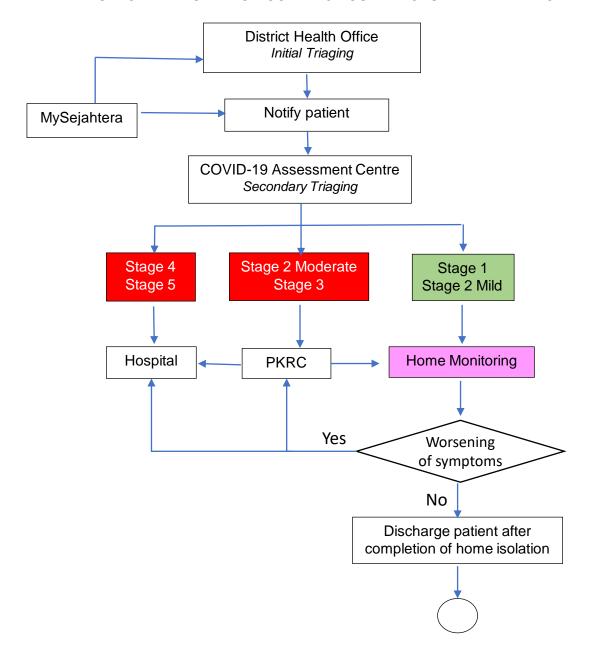


Activities:	Action by:
 Secondary triaging (At CAC) Clinical assessment of patient (1st encounter) Check vital signs (BP, Temp, pulse, RR, SpO2 Assess patient using the clerking sheet Decision for admission or home monitoring Provide patient with Adult/ Paediatric COVID-19 Home Assessment Tool Arrange admission, if required Issue medical certificate, if required Issue Home Isolation Order (Annex 14c – Perintah Pengawasan Dan Pemerhatian Bagi Kes Jangkitan Penyakit Korona Virus 2019 (COVID-19) Di Bawah Seksyen 11(3) Akta Pencegahan Dan Pengawalan Penyakit Berjangkit 1988 – Akta 342) Provide wristband (if not provided by DHO) 	CAC (Clinical team)

NOTE: There maybe overlapping of activities by DHO and CAC Home Monitoring Team



Activities:	Action by:
 Monitor MySejahtera data daily Call patients and assess using A-Cohat and P-Cohat questionnaire Manage Hotline Arrange admission, if required Provide feedback/ data to DHO 	CAC (Case managers)



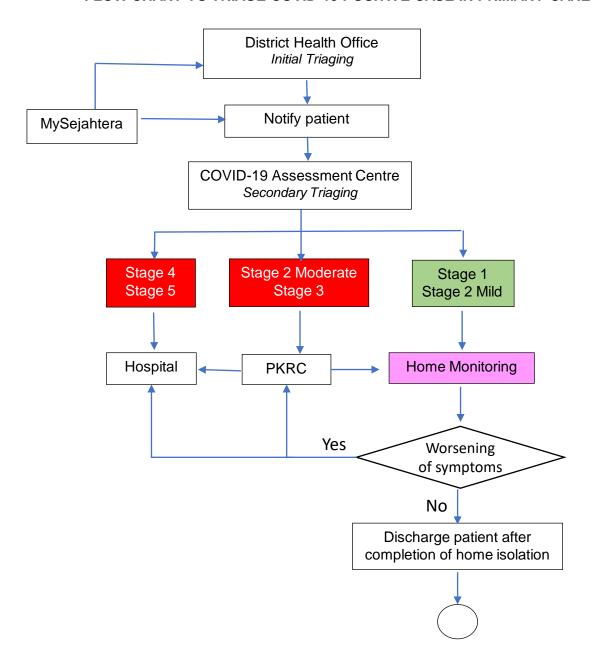
Ac	tivities:	Ac	tion by:
Di	scharge	CA	AC
•	At Day 11 or at least 10	•	Medical officer
	days have passed since	•	Assistant
	symptoms onset		Environmental
•	Release Order (Annex 17a -		Health Officer
	Surat Pelepasan Dari	•	Authorised
	Menjalani Perintah		personnel
	Pengawasan Dan		
	Pemerhatian di Tempat		
	Kediaman Di Bawah Akta		
	Pencegahan Dan		
	Pengawalan Penyakit		
	Berjangkit 1988 - Akta 342)		
•	Remove Isolation Wrist		
	Band		
•	Issue medical certificate (if		
	required)		

ANNEA JU									
CLERKING SHEET FOR	COVID 19 POSITIVE CASE (ADULT)								
A. Personal details									
1. Name:	5. Nationality:								
2. Age:	6. Phone Number:								
3. Gender:	7 Address								
4. IC / Passport number:	7. Address.								
4. IC / Passport Humber.									
B. History									
Date of symptoms onset:									
2. Date of COVID-19 swab for RT PCR t	aken:								
3. Co-morbidity:									
C. Clinical									
SYMPTOMS	WARNING SIGNS/ RED FLAGS								
+	If any present, consult FMS/ physician for admission								
□ Sore throat	☐ Persistent fever (2 days or more) or new onset								
	of fever								
□ Running nose	□ Shortness of breath								
□ Cough	□ Chest pain								
□ Loss of taste	□ Unable to tolerate orally								
□ Loss of smell	□ Worsening of lethargy								
□ Diarrhea < 2x/24hrs with normal	□ Unable to ambulate without assistance								
urine output									
□ Nausea or vomiting <2x/24 hours	□ Worsening or persistent symptoms e.g.,								
with normal urine output	cough, nausea, vomiting, diarrhea								
□ Myalgia	□ Reduced level of consciousness								
□ Other symptoms									
Please specify	□ Reduced urine output in last 24 hours								
	□ Severe giddiness								
Physical examination	Depression assessment								
General appearance	(if yes, assess with DASS)								
2. Hydrational status:	Persistent low mood: Yes/ No								
Vital signs	Self-harm thought: Yes/ No								
3.BP:	3. Anxiety: Yes/ No								
4. PR:									
5. Temperature:									
6. RR:	D. Home condition: Suitable/ Unsuitable								
7. SPO2:	E. Caregiver: Suitable/ Unsuitable								
8. Lungs:									
F. Clinical Staging: (Cat 1, Cat 2A, Cat	2B, Cat 3, Cat 4)								
G. Impression:	Seen by: (Sign & Chop)								
H. Management:	Date:								

CLERKING SHEET FOR (COVID 19 POSITIVE CASE (PAEDIATRIC)
A. Personal details 1. Name: 2. Age: 3. Gender: 4. IC / Passport number: 5. Nationality: 6. Phone Number: 7. Address:	
B. History 1. Date of symptoms onset: 2. Date of COVID-19 swab for RT PCF 3. Any other illness:	R taken:
C. Clinical SYMPTOMS:	WARNING CICNO
STWFTOMS.	WARNING SIGNS: If any present, consult FMS/ pediatrician for admission
Sore throat	□ URTI symptoms more than 7 days
□ Running nose	□ Shortness of breath
□ Cough	□ Inactive on handling/ Lethargy
□ Vomiting	□ Poor feeding
□ Diarrhea	□ Chest or abdominal pain
□ Others.	□ Cold or clammy peripheries
Please specify	
, , , , , , , , , , , , , , , , , , , ,	□ Signs of dehydration
□ Myalgia	□ Change in mental status
	□ Seizures
	□ Persistent fever, new onset fever and temp. >38.5
	□ Worsening or persistent symptoms like nausea, vomiting and diarrhoea
Physical examination 1. General examination: appearance	D. Home condition: Suitable/ Unsuitable E. Caregiver: Suitable/ Unsuitable
2. Hydrational status: Vital signs 3. BP: 4. PR: 5. Temperature: 6. RR: 7. SPO2: 8. Lungs:	
D. Clinical Staging: (Cat 1, Cat 2A, C	cat 2B, Cat 3, Cat 4)
E. Impression:	Seen by: (Sign & chop)

Date:

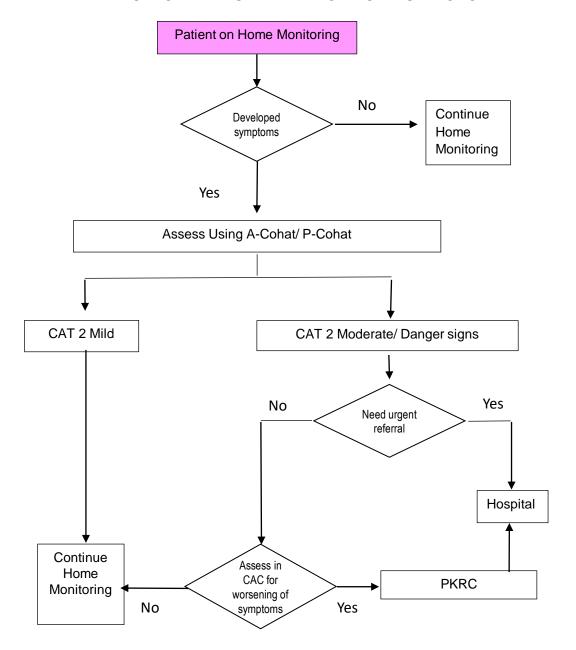
F. Management:



HOME MONITORING

- Tools
- Apps
- Process

FLOW CHART FOR DAILY MONITORING AT CAC



TOOLS



Patient

- Home assessment tool for adult
- Home assessment tool for paediatric

Health care provider

- Adult covid-19 home assessment tool (a-cohat) for health care provider
- Paediatric covid-19 home assessment tool (p-cohat) for health care provider

HOME ASSESSMENT TOOL FOR ADULT PATIENTS

INSTRUCTION

2.	If you have any symptoms during office hours kindly call number CAC HOTLINE:	
	Our Home Monitoring Team will contact and assist you	

3. For any serious or life-threatening symptoms after office hours please call **999** or go to the nearest hospital with own transport (Use of public transport is not encouraged)

	SYMPTOMS	DAY	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10
		DATE										
1.	Fever											
2.	Sorethroat											
3.	Nausea and vomiting											
4.	Diarrhea											
5.	Cough											
6.	Difficulty in breathing											
7.	Loss in taste											
8.	Loss in smell											
9.	Chest pain or chest discomfort											
10	Face or lips turning blue											
11	Feeling faint or drowsy											
12	Any other symptoms											
	Please specify											

HOME ASSESSMENT TOOL FOR PAEDIATRIC PATIENTS

INSTRUCTION

- 1. Use this home assessment tool to monitor your child's symptoms daily
- 2. If your child has any symptoms during office hours kindly call number CAC HOTLINE: ______Our Home Monitoring Team will contact and assist you
- 3. For any serious or life-threatening symptoms after office hours please call 999 or go to the nearest hospital with own transport (Use of public transport is not encouraged)

	SYMPTOMS	DAY	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10
		DATE										
1.	Fever											
2.	Sorethroat											
	Cough											
3.	Nausea and vomiting											
4.	Diarrhea											
5.	Poor feeding											
6.	Fast breathing											
7.	Face or lips turning blue											
8.	Inactive on handling/ Lethargy											
9.	Chest pain or chest discomfort											
10	Seizures/ Fits											
11	Any other symptoms											
	Please specify											

ADULT COVID-19 HOME ASSESSMENT TOOL (A-COHAT) FOR HEALTH CARE PROVIDER

Health care provider to ask patient if they have the following:

	SYMPTOMS	DAY	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10
		DATE										
1	Sore throat or running nose											
2	Cough											
3	Loss of taste	NOTE										
4	Loss of smell		oms 1-9:									
5	Diarrhoea			ent is CA				eferred				
6	Nausea and vomiting	10 CAC	or lufti	her asse	ssment	ii neede I						
7	Lethargy											
8	Myalgia											
9	Able to carry out daily activities											
10*	Persistent fever (2 days and more) or new onset of fever											
11*	Shortness of breath											
12*	Chest pain											
13*	Unable to tolerate orally	NOTE:	: :oms 10	_12*•								
14*	Worsening of lethargy eg: more lethargic with usual activities or struggling to get out of bed	WARN	ING SIG	SNS - If _l and nee								
15*	Unable to ambulate without assistance	furthe	rassess	sment								
16*	Worsening or persistent symptoms such as cough, nausea, vomiting or diarrhoea											
17*	Reduced level of consciousness											
18*	Reduced urine output in the last 24 hours											

PAEDIATRIC COVID-19 HOME ASSESSMENT TOOL (P-COHAT) FOR HEALTH CARE PROVIDER

Health care provider to ask the parents/ caregiver or the child whether the child have the following:

	SYMPTOMS	DAY	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	
		DATE											
1	Sore throat or running nose	NOTI	Ē:										
2	Cough		Symptoms 1-3: If present patient is CAT 2 (MILD) and may be referred to CAC for further assessment if needed										
3	Vomiting or diarrhoea	referr											
4*	URTI symptoms more than 7 days												
5*	Fast breathing/Increase in breathing effort												
6*	Inactive on handling/ Lethargy												
7*	Poor feeding	_								_			
8*	Chest or abdominal pain	NOTI	Ε:										
9*	Cold or clammy peripheries	Sym	otoms 4	-14*:									
10*	Signs of dehydration	WAR	NING SI	GNS - If	present	patient	is CAT 2	(MODE	RATE) a	nd			
11*	Change in mental status	need	s referra	al to hos	pital for	further a	assessn	nent					
12*	Seizures												
13*	Persistent fever, new onset fever and												
	temperature >38.5												
14*	Worsening or persistent symptoms like nausea, vomiting and diarrhoea												

APPS FOR MONITORING



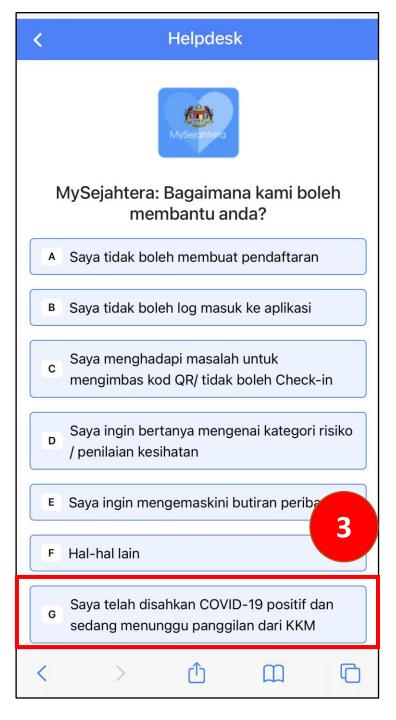
MySejahtera

COVID-19 Self Reporting

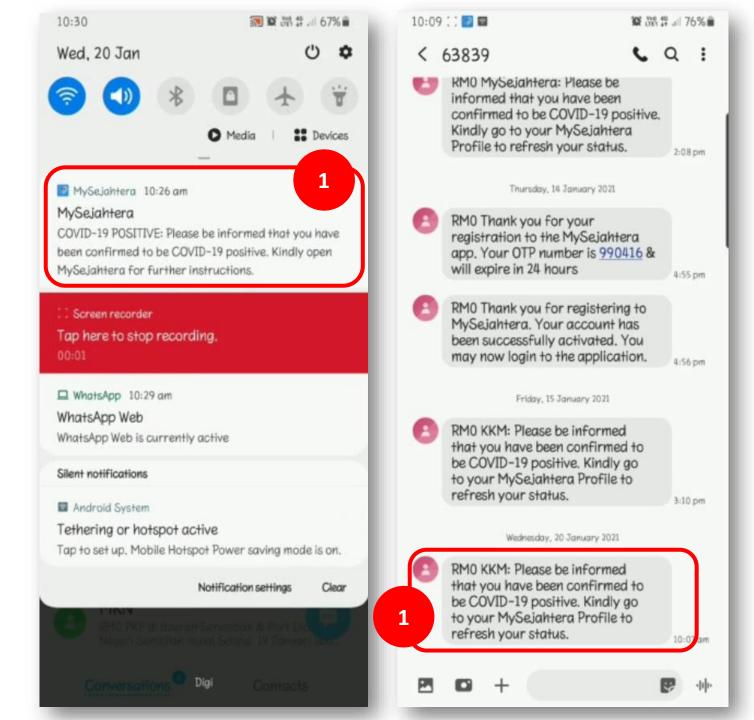






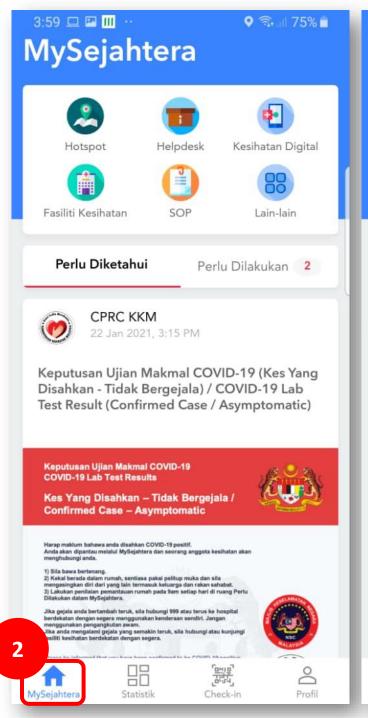






Pengguna terima notifikasi MySejahtera & SMS

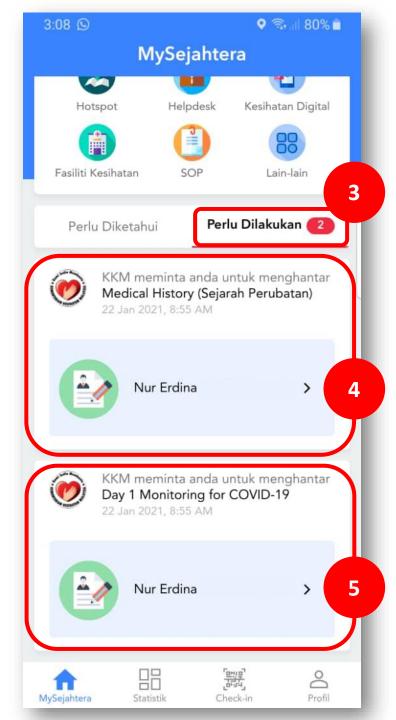
User receives notification via MySejahtera & SMS





Pengguna terima kad "Kes COVID-19 Disahkan" di halaman utama & profil

User receives "COVID-19 Confirmed Case" card in main page & profile

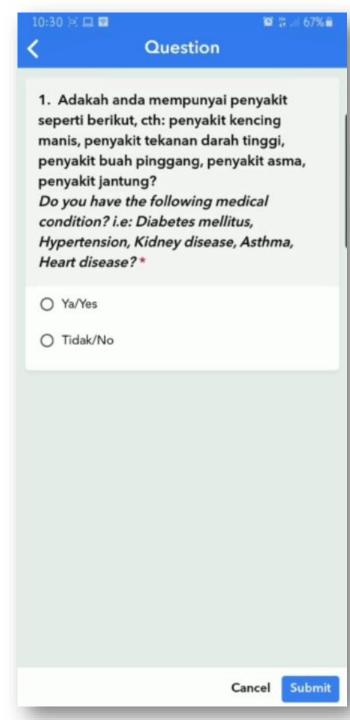


Kemas kini **sejarah perubatan** untuk sekali di ruang "Perlu Dilakukan".

Lakukan **penilaian pemantauan rumah** pada 9am setiap hari di ruang yang sama.

Update **medical history** for once at "Things To Do" section.

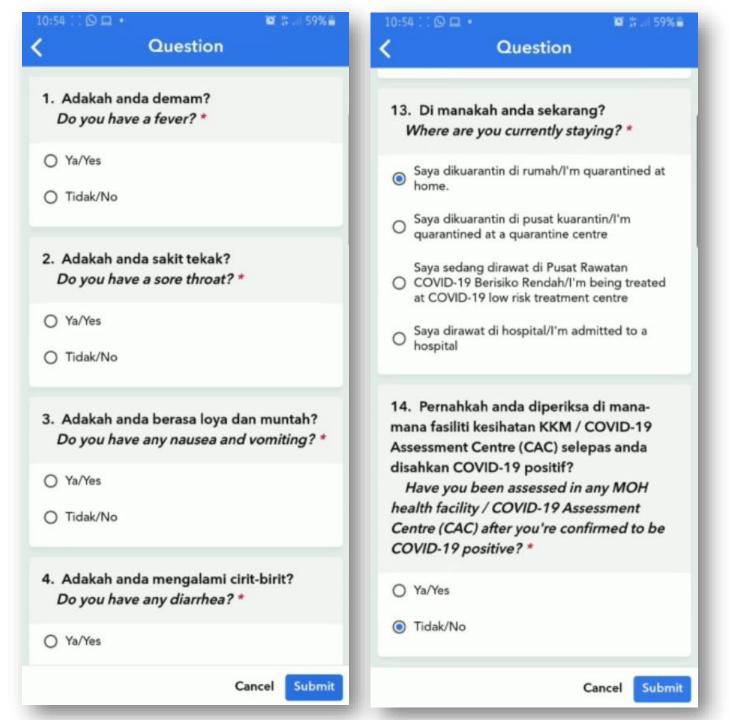
Perform **home monitoring assessment** at 9am daily at the same section.





Kemas kini **sejarah perubatan** untuk sekali di ruang "Perlu Dilakukan".

Update **medical history** for once at "Things To Do" section.



Lakukan **penilaian pemantauan rumah** pada 9am setiap hari di ruang yang sama.

Perform **home monitoring assessment** at 9am daily at the same section.

Penilaian pemantauan rumah selesai.

Home monitoring assessment completed.

Harap maklum bahawa anda disahkan COVID-19 positif. Anda akan dipantau melalui MySejahtera dan seorang anggota kesihatan akan menghubungi anda.

- 1) Sila bawa bertenang.
- 2) Kekal berada dalam rumah, sentiasa pakai pelitup muka dan sila mengasingkan diri dari yang lain termasuk keluarga dan rakan sahabat.
- 3) Lakukan penilaian pemantauan rumah pada 9am setiap hari di ruang *Perlu Dilakukan* dalam MySejahtera.

Jika gejala anda bertambah teruk, sila hubungi 999 atau terus ke hospital berdekatan dengan segera menggunakan kenderaan sendiri. Jangan menggunakan pengangkutan awam.

Please be informed that you have been confirmed to be COVID-19 positive. You will be monitored through MySejahtera and a healthcare provider will contact you.

- 1) Please remain calm.
- 2) Stay at home, always wear a face mask and please isolate yourself from others including families & friends.
- 3) Perform home monitoring assessment at 9am daily at Things To Do in MySejahtera.

If you are experiencing any worsening symptoms, please contact 999 or visit the nearest hospital immediately with your own vehicle. Do not use public transport.

If patient remains asymptomatic till Day 10 after the date of their first positive test

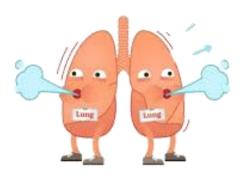
COMPLETION OF HOME MONITORING

OR

At least 10 days have passed since onset of illness.

COMPLETION OF HOME MONITORING





Assessment:

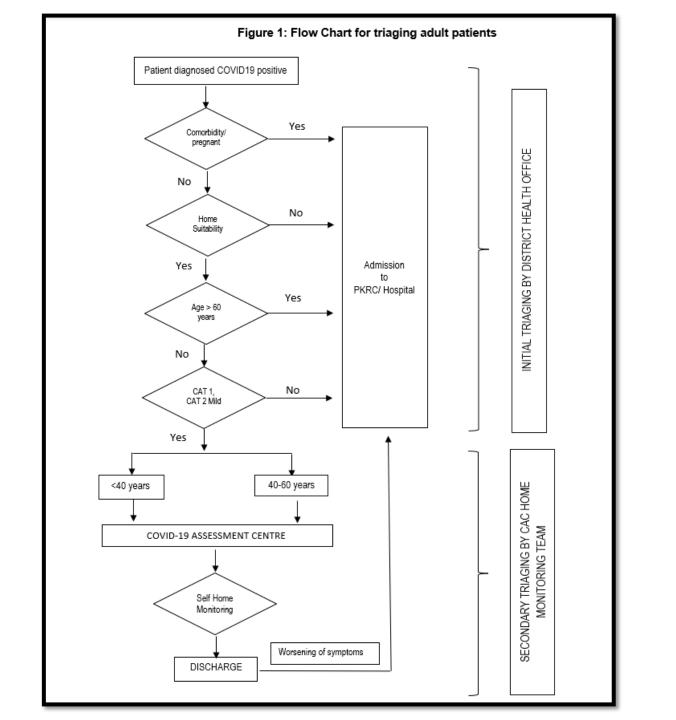
- Stable vital signs and no hypoxia
- Stable/ controlled comorbid, if any
- Improved or stable laboratory data including inflammatory markers (especially C-reactive protein or lactate dehydrogenase)
- Able to ambulate without assistance and selfadminister medications
- Do not have ongoing clinical needs such as haemodialysis

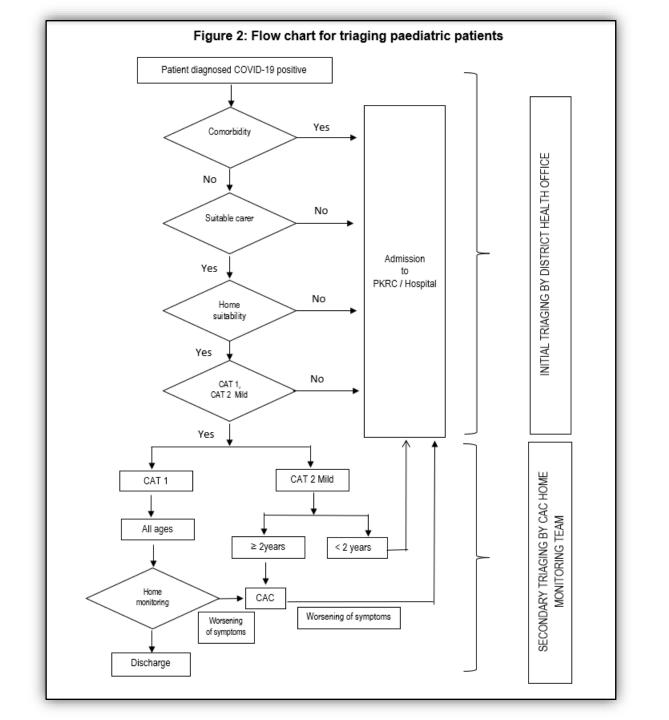
COMPLETION OF HOME MONITORING



- Attend CAC on Day 11
- to be assessed
- get a Release Order
- get medical certificate (if required) and
- remove their isolation wrist band.
- Repeat PCR test is not required before discharge from home monitoring.

SUMMARY







FUNCTION OF CAC

- i. Monitor patient's condition daily through telephone/ virtual clinic/ Virtual
 - For patients using Adult/ Paediatric COVID-19 Home Assessment Tool
 - for Health Care Provider (A-COHAT/ P-COHAT)
- ii. Assess patients with symptoms and determine if there is need for admission.
- iii. Discuss with physician in charge on admission or further management of the patient.
- iv. Arrange for admission of patients when needed.
- v. Provide feedback to DHO on the outcome of the patient.
- vi. Evaluate and discharge patients who has completed the home isolation period.
- vii. Arrange home visit if necessary (e.g., unable to contact/ no response from patient).
- viii. Contact tracing by Assistant Environmental Health Officer if he/ she stationed in CAC.

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THANK YOU