

Overview of CTM Covid-19 regional surveillance indicators and schedule

Date: 13/07/2020

Surveillance schedule:

Review schedule weekly and adjust if at higher daily numbers than currently.

Week day	Activities
Monday	daily cases for LA, key worker groups and care homes
	HAI, cases in hospital, cases in ICU, deaths in hospital from CDSC report
	update reporting to ROG for 2.30 pm deadline
	Produce weekly output for ROG
Tuesday	daily cases for LA, key worker groups and care homes
	ONS deaths on release, Excess deaths
	Weekly surveillance indicators dashboard reported to local authority/UHB CEOs meeting.
Wednesday	daily cases for LA, key worker groups and care homes
Thursday	daily cases for LA, key worker groups and care homes
Friday	daily cases for LA, key worker groups and care homes, LSOA and deprivation
	weekly indicators in preparation for Monday reporting to ROG

Exception rules based on daily cases

Review rules weekly and adjust if at higher daily numbers than currently.

	Action
5 or fewer in CTM	No additional investigation
Daily cases: 6 to 10 in CTM Or daily increase of 9 or fewer	Daily analysis as scheduled above
Increase of 10 or more cases in CTM	Additionally investigate other detailed weekly case indicators (e.g. by LSOA, care home etc.) to check for clusters
Increase of 20 or more cases in CTM or the following in each LA (RCT 20, Bridgend 15, MT 10) Or increase of 10 cases in CTM two days running	as above and issue warning to ROG (unless already known) with detail of breakdown by LA and risk group
Daily increase of 30 or more cases in CTM	as above and escalate to ROG (unless already known) and executive

Exception rules for specific settings covered by others

Review rules weekly and adjust if at higher daily numbers than currently.

Indicator	Rule	Action
4a Number of patients tested in care homes	TBC	TBC discuss with Sion and others how care home cases are escalated by contact tracing

with a positive result, by specific care home		
4c HAI	2 or more new cases on a non-Covid ward	Raise incident on outbreak manager tool, and included in weekly hospital infection report widely circulated (frequency increased if cases increase)

Table 1. Current indicators to be monitored

Number	Indicators	Comments	Measure of change	Data source	Frequency	Availability
Objective 1: Monitor intensity and severity of COVID-19 spread in CTM						
1a	Number of daily cases for CTM and LA residents	Daily refresh from HB information team (data delay with Kepak cases TBC)	Assess trend in daily number and 5-day rolling average	LIMS	Daily	Available
1b	Number of new confirmed COVID cases in CTM hospitals	Use hospital Infection report (Fri).	Assess trend in daily number	CDSC update ICNet	Weekly on Mon	Available
1c	Number of COVID-related ICU admissions in CTM hospitals	Use hospital Infection report (Fri).	Assess trend in daily and weekly number	CDSC update ICNet	Weekly on Mon	Available
1d	Number of weekly deaths Covid-19 by location (ONS) for CTM and LA residents	Two week delay	Assess trend in weekly number	ONS	Weekly – Tuesday AM	Available
1e	Weekly excess deaths (due to Covid, not due to Covid) for CTM residents	Two week delay, LA not available	Assess trend in weekly number	ONS data from PHW dashboard	Weekly – Tuesday PM	Available
1f	Deaths in CTM hospitals (provider population)	Use hospital Infection report		CDSC update from ICNet	Weekly on Mon	Available

1g	Number of positive cases by LSOA/postcode		Check for clusters (3+)	LIMS	Daily	Available
Objective 2: Monitor behaviour of COVID-19 in at-risk groups						
2a	Number of cases in key workers by group and non-key workers, CTM and LA residents	Daily refresh from HB information team	Assess trend in daily number	LIMS	Daily (with strong caveats)	Available
2b	Number of patients tested in care homes with a positive result, CTM and LA residents	Daily refresh from HB information team	Assess trend in daily number	LIMS	Weekly on Mon	Available
2c	Number of patients tested in the community with a positive result, CTM residents	Daily refresh from HB information team	Assess trend in daily number	LIMS	Daily (with caveats)	Available
2c	Rate of weekly cases per 100,000 by deprivation fifth, in CTM only	Investigate fortnightly if cases stable or decreasing	Assess trend in number	LIMS	Fortnightly	Available
2d	Age specific rates per 100,000 in CTM	Investigate fortnightly if cases stable or decreasing	Assess trend in number	LIMS	Fortnightly	Available
2e	Positivity rate	Investigate fortnightly if cases stable or decreasing	Assess rate with test numbers	CDSC update ICNet	Fortnightly	Available
2f	Number of contacts identified per case	Awaiting ability to extract data	Assess numbers	CRM	Weekly	TBC
Objective 3: Monitor immunity to COVID-19 in CTM						
3a	Proportion with SARS-CoV-2 antibodies by key worker group	Use daily NWIS Excel files until direct access set up	Assess proportions	LIMS	Weekly	Available
Objective 4: Detect outbreaks in hospitals and LTCFs						
4a	Number of patients tested in care homes with a positive result, by specific care home	Daily refresh from HB information team	Assess trend in daily number	LIMS	Daily (with caveats)	Available

4b	Number of prisoners with a positive result	Clarification of coding completeness needed		LIMS? Data completeness tbc	tbc	TBC
4c	Number of hospital infections by category (CAI, indeterminate, HAI) by CTM hospital	Use weekly hospital Infection report	Assess weekly trend in numbers	CDSC update ICNet	Weekly on Monday	Available