

UNIT NO. 3B

CLINICAL MANAGEMENT SYSTEM

Contributed by CrimsonLogic Pte Ltd

ABSTRACT

An efficient clinic management system (CMS) is not only a patient-centric system which helps to improve patient care, but also integrates seamlessly with your daily operational needs. Ensuring tight security and using functionality standards, the CMS is able to maintain a patient's complete profile like his Electronic Medical Record (EMR), billing and claims, and submit disease notifications to respective healthcare authorities.

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INTRODUCTION

A significant number of health professionals are still completing the MD131 form manually and faxing to MOH. You might say "This is an easy task. No trouble at all!" We thank you for your effort to make Singapore a safe environment to live in. But why should you spend the extra time to keep track of the physical forms when it's just a few mouse-clicks to prepare and submit on-line?

The following are a list of comparison that highlights the differences in terms of efficiency and security between the two processes:

Hardcopy Form (Fax Submission)

Need clarification on the format of the physical form.

Potential compromise of patient confidentiality

Repeated entry for similar information.

Have to check the fax numbers for the right authority to fax the form to.

Misplacement of forms.

Have to remember if you have faxed the notification form within the required time frame.

Have to file the forms manually. Waste of storage space in the clinic and difficulty in tracking.

Hand-written information is not legible at the data entry.

- Personnel will call Informant to clarify the information. This causes unnecessary follow-up action.

Need to print physical form to fill up.

- Printer and printing paper required.

CMS (Electronic Submission)

Simple user interface is able to provide a guide on the required information which you need to fill in.

Patient confidentiality ensured:

- Only authorised Doctor's access is able to do the submission.
- Patient's contact is not exposed especially for confidential cases like AIDS/HIV.

Auto-populated data shortens entry time and prevents errors:

- Key in the postage code and the rest of the address fields will be auto populated.
- Particulars of the login ID will be auto-populated in the Informant particulars fields.

Form is automatically submitted to the right authorities as per your indication.

Systematically tracking:

- You are able to create a form for a particular patient and keep the form in the submission queue for later update.
- Prevents losing the form and exposing patient data.

Alert notifications will be prompted if there are forms pending submission.

Ease of use:

- Easy tracing of past submitted forms.
- Clear view of cases pending submission.
- No physical storage space issue.

Information submitted on-line are clearly identified and stored. Follow-up calls would be more of gathering more information on the notified case, instead of verifying clarity of the data.

Environmental friendly:

- No printing is required. All required particulars can be found on-line and submit digitally.
- Can be done, anytime and anywhere!

DOING E-FILING

It's as simple as A-B-C!

CrimsonLogic's healthcare solution – ClinicWeaver, not only seamlessly integrates the daily clinic operation for efficient workflow, it also helps to manage the e-filing of government claims submissions (e.g. Medisave) and infectious disease notifications (MD131).

The following are the steps to show the convenience of using ClinicWeaver to submit MD131 electronically:

Step 1: Patient registration and consultation

Patient's information is recorded by Clinic Assistant during registration using the Administration module. Consultation notes and diagnoses codes are captured by the practitioner in the ClinicWeaver Consultation module.

Diagnosis	Diagnosis Group	L	Status	Type
051 - INFECT.D15 - Dengue	PCPS(D09)	<input type="checkbox"/>	Final	Primary

Step 2: Submit MD131 notification

Practitioner is able to prepare the MD131 notification form during the consultation. Select Govt Submissions > MD131 from the menu. The MD131 notification form will appear.

Step 3: Check patient's particular

Patient's particulars for the current consultation will be auto-populated to the respective fields. Only the information provided by Patient during registration will be shown. Ensure all the particulars are correct and fill up any missing information.

**INFECTIOUS DISEASES ACT
(CHAPTER 137)**

MD 131 Regulation 2

**INFECTIOUS DISEASES (NOTIFICATION OF INFECTIOUS DISEASES) REGULATIONS
NOTIFICATION OF INFECTIOUS DISEASES UNDER SECTION 6**

[PATIENT PARTICULARS](#) | [DISEASE DIAGNOSED](#) | [TRAVEL HISTORY OVER THE PAST ONE MONTH](#) | [PARTICULARS OF INFORMANT](#)

*Indicates mandatory field.

PARTICULARS OF PATIENT

NRIC/FIN/Passport NO *: S0001234C Ethnic Group : Chinese

Patient Name* : EBONY Residential Status* : Resident Non-Resident

Date of Birth* : 24-01-1983 (DD/MM/YYYY) Gender : Female

Telephone Number : (H) (O) Occupation :

Address: Postal Code: 117611 Floor No - Unit No : # -

Block/House No : 31 Building Name : CRIMSON, THE

Street Name : SCIENCE PARK ROAD

Work / School / Child Care Center / Kindergarten

Place Name:

Address : Postal Code:

Block/House No : Floor No - Unit No : # -

Street Name: Building Name :

Step 4: Select the disease diagnosed

Select the disease diagnose, the dates of diagnosis made and date of onset of illness. Input patient's travel history if you have the information.

3.Chikungunya Fever 10.Malaria

4.Cholera 11.Melioidosis

5.Dengue Fever 12.Meningococcal Disease

6.Dengue Haemorrhagic Fever 13.Nipah Virus Infection

7.Encephalitis, Viral 14.Paratyphoid

17.SARS 18.Typhoid

19.Yellow fever

~20.Others (Specify)

~ For any disease not appearing in this form, which may be of an infectious nature and result in an epidemic. If name of disease is not known, please specify symptoms.

TO CDD* NOT LATER THAN 72 HOURS FROM TIME OF DIAGNOSIS. FAX NO. 62215528 OR 62215538

#21.Diphtheria 25.Hepatitis C, acute

#22.Haemophilus influenzae type b (Hib) Disease 26.Hepatitis E, acute

#23.Hepatitis A, acute #27.Measles

#24.Hepatitis B, acute #28.Mumps

#29.Pertussis

#30.Pneumococcal Disease (invasive)

#31.Poliomyelitis

#32.Rubella

For notifiable diseases marked #, please provide vaccination history : Yes - If yes, Date of vaccination (dd/mm/yyyy) - - No

TO NPDU~ NOT LATER THAN 72 HOURS FROM TIME OF DIAGNOSIS. FAX NO. 62541616

33.AIDS 34.HIV Infection (non-AIDS)

TO TBCU % NOT LATER THAN 72 HOURS FROM TIME OF DIAGNOSIS. FAX NO. 62524051

** For tuberculosis, please use Notification of Tuberculosis Form (MD532) to notify TBCU.

TO NSC^ NOT LATER THAN 72 HOURS FROM TIME OF DIAGNOSIS. FAX NO. 62994335

*35.Chlamydia Genital Infection *38.Non-Infectious Syphilis (tertiary)

*36.Gonorrhoea *39.Infectious Syphilis (primary)

*37.Non-Gonococcal Urethritis *39.Infectious Syphilis (secondary)

*38.Non-infectious Syphilis (latent) *40.Congenital Syphilis

*41.Genital Herpes (first episode)

*42.Genital Herpes (recurrent)

43.Leprosy

* For sexually transmitted infections marked *, full name, NRIC/Passport No./FIN, address and telephone number need not be completed. Initials of the patient should be given.

Date present diagnosis was made/ suspected: * 15 - Dec - 2010 (DD-MMM-YYYY) Diagnosis: * Clinical Confirmed by laboratory tests

(For laboratory notification, please provide the date of test of positive sample)

Date of Onset of Illness: * 15 - Dec - 2010 (DD-MMM-YYYY) Follow-up of patient: Others (specify)

(dd/mm/yyyy for laboratory notification, please provide the date of receipt of sample)

[PATIENT PARTICULARS](#) | [DISEASE DIAGNOSED](#) | [TRAVEL HISTORY OVER THE PAST ONE MONTH](#) | [PARTICULARS OF INFORMANT](#)


TRAVEL HISTORY OVER THE PAST ONE MONTH:

Countries visited:

From: - - (DD-MMM-YYYY) To: - - (DD-MMM-YYYY)

Step 5: Check informant particulars

Registered practitioner's particulars will auto-populated into this column. Ensure the data are updated for submission.

PARTICULARS OF INFORMANT	
Particulars of Medical Practitioner/Scientist	
MCR Number *:	00045J
Name *:	<input type="text" value="DR LING"/>
Telephone Number :	<input type="text" value="64555555"/>
E-mail Address :	<input type="text"/>
Particulars of Medical Institution	
Place Name*:	<input type="text" value="HEAL YOUR SOUL"/>
Address:	Postal Code: <input type="text"/> 
	Block/ House No : <input type="text"/> Floor No - Unit No : # <input type="text"/> - <input type="text"/>
	Street Name: <input type="text"/> Building Name : <input type="text"/>

Step 6: Additional comments and submit

Enter additional information in the COMMENTS field provided. Check through the online form and click the Submit button to submit the notification. You can choose to save the form and submit at a later date (as long as within the notification period) if you need to conduct further verification.

COMMENTS
<input style="width: 100%; height: 40px;" type="text"/>
<input type="button" value="Submit"/> <input type="button" value="Submit Later"/> <input type="button" value="Print"/> <input type="button" value="Cancel"/>

LEARNING POINTS

- **The CMS is able to maintain a patient's complete profile like the Electronic Medical Record (EMR), billing and claims, and submit disease notifications to respective healthcare authorities.**
 - **Information submitted on-line are clearly identified and stored. Follow-up calls would be more of gathering more information on the notified case, instead of verifying clarity of the data.**
 - **Patient's information is recorded by Clinic Assistant during registration using the Administration module. Consultation notes and diagnoses codes are captured by the practitioner in the ClinicWeaver Consultation module.**
 - **Patient's particulars for the current consultation will be auto-populated to the respective fields.**
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