



香港醫學會  
THE HONG KONG  
MEDICAL ASSOCIATION

# The HKMA CMS 5.0 and the eHealth Adoption Sponsorship Scheme



Developed by: System Aid Medical Services Limited  
醫博系統服務有限公司



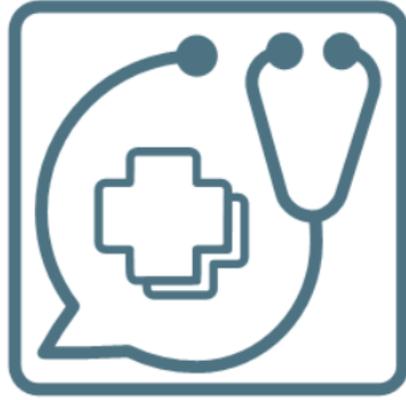
**HKMA CMS 5.0**  
**New Interface roll out**  
**with new functions**

# What's new?

- ▶ HKMA CMS 5.0 is a completely new design based on updated technical infrastructure and programming language
- ▶ It is now a web-based clinical system being accessed from your browser without any client installation. That means it is Windows & Mac compatible as well as mobile devices such as iPad running the supported browser software.
- ▶ A visualized database is provided in the consultation page to help the ease of searching for diagnosis and clinical findings.
- ▶ Improved billing system to allocate patients in categories and receives automatic discounts upon checkout.
- ▶ Daily payment summary is added for cashier's day-end routine.

## What's new (cont'd)

- ▶ A new Nursing module adds procedure items and on-site medication administration record, with nurses being able to add ad-hoc nursing items pre & post consultation.
- ▶ Injection & Vaccination modules are added to track injections and vaccines administered by the clinic.
- ▶ Reminder module to set & send notifications to patients via email or SMS, with ability to setup programs for vaccine scheduling.
- ▶ The new Drug inventory now tracks every LOT of stock-in items, with new user configurable settings on stock deduction principles and unit conversion.
- ▶ New reports are added including Consent Form, Referrer Summary, DD Dispense Record, and eHR consent patients report.



# HKMA CMS 5.0

**CMS5.0**

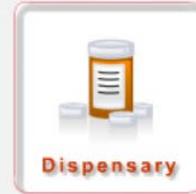
**Username:**

**Password:**

CMS 5.0 is an clinic management system project implemented by the Hong Kong Medical Association (HKMA)

Version: V 5.1.7

# Login Page



# Main Menu

CMS 5.0 1 2 0 0 3 0 0 15:47 Wed, 19 July Patient Search System Admin Exit

Appointment<sup>1</sup> Waiting<sup>2</sup> Consultation Dispensary Payment<sup>3</sup> Nursing Inventory Finance I/O Reminder Report Settings Doc INBOX

Appointment Overview Test Doctor Joy Leung 20-07-2023 Create New Patient << Today >> Config View by Resources

**Patient Search** [X]

Unit No.:	<input type="text"/>	Unit Descriptor:	<input type="text"/>	Floor:	<input type="text"/>
Block:	<input type="text"/>	Block Descriptor:	<input type="text"/>		
Building:	<input type="text"/>	Phase:	<input type="text"/>		
Estate:	<input type="text"/>	Village:	<input type="text"/>		
Street:	<input type="text"/>	Building No.:	<input type="text"/>		
Lot:	<input type="text"/>	Sub District:	<input type="text"/>		
District:	<input type="text" value="Please select"/>	Country:	<input type="text"/>		
Preferred/Mailing Address:	<input type="text"/>				

Search Reset Cancel

# Search Patient

Appointment

View by Resources

Overview Test Doctor Joy Leung

20-07-2023

Create New P

Patient Search



wong

Search

Show All

New

Link	Patient No.	Name	Name(Chi)	Sex	DOB(Age)	Mobile	Home	Shortcut
	PN00011	Wong Ka Ming	黃家明	M	01/05/2023(2m)		20987654	👁️ +
	PN00012	W Wong	n/a	F	01/02/2000(23y)	54698127		👁️ +
	PN00022	Wong Chi Chung	黃志忠	M	09/04/2018(5y)		25678900	👁️ +
	PN00043	Wong Siu Ching	黃小清	F	23/12/1993(29y)	90123456	34567890	👁️ +

Showing 1 to 4 of 4 entries

Show 10 entries

Jump to: previous 1 next

Double-click on the patient record (Wong Siu Ching)

Cancel

<< Today >> Config

09:00

10:00

11:00

12:00

Appointment

Overview Test Doctor

20-07-2023 Create



09:00

10:00

11:00

12:00

**Patient Record - PN00043** ✕

<b>Patient No.:</b>	<input type="text" value="PN00043"/>	<b>Find unused</b>	<b>Responsible Doctor:</b>	<input type="text" value="Joy Leung"/>
<b>HKID/other ID No.:</b>	<input type="text" value="ABCD5678"/>		<b>ID Type*:</b>	<input type="text" value="Passport"/>
<b>Name*:</b>	<input type="text" value="Wong"/> <input type="text" value="Siu Ching"/>		<b>Alias (For Searching):</b>	<input type="text"/> <input type="text"/>
<b>Name(Chinese):</b>	<input type="text" value="黃"/> <input type="text" value="小清"/>		<b>Drug Label Language:</b>	<input type="text" value="English"/>
<b>D.O.B(Age):</b>	<input type="text" value="23/12/1993"/> <input type="text" value="(dd/mm/yyyy)"/>		<b>Patient Type:</b>	<input type="text" value="VIP"/>
<b>Sex*:</b>	<input type="radio"/> Male <input checked="" type="radio"/> Female <input type="radio"/> Unknown		<b>Payment Category:</b>	<input type="text" value="Special"/>

Contact No. & Address   
  Next of kin   
  Referrer   
  Medical Background   
  Insurance   
  Injection   
  Vaccination   
  Appointment   
  Reminder   
  Episodes   
  Memo

<b>Phone Number:</b>	<input type="text" value="90123456"/> <input type="text" value="34567890"/> <input type="text" value="78901234"/>	<b>Email:</b>	<input type="text"/>
<b>Preferred Mail Address:</b>	<input type="text"/>	<b>Pager/Fax:</b>	<input type="text" value="Pager"/> <input type="text" value="Fax"/>
<b>Unit:</b>	<input type="text" value="28"/> <input type="text" value="Unit Desc."/> <input type="text" value="Floor"/>	<b>Block:</b>	<input type="text" value="Block"/> <input type="text" value="Block Desc."/>
<b>Building:</b>	<input type="text"/>	<b>Phase:</b>	<input type="text" value="Section B"/>
<b>Estate:</b>	<input type="text" value="Fairview Park"/>	<b>Village:</b>	<input type="text"/>
<b>Street:</b>	<input type="text" value="1st Street"/>	<b>Building No./Lot:</b>	<input type="text" value="Building No."/> <input type="text" value="Lot"/>
<b>District:</b>	<input type="text" value="Yuen Long"/>	<b>Sub District:</b>	<input type="text"/>

View by Resources

<< Today >> Config

CMS 5.0 1 2 0 0 3 0 0 17 48 Wed, 19 July Patient Search System Admin Exit

Appointment 1 Waiting 2 Consultation 3 Dispensary 4 Payment 5 Nursing Inventory Finance I/O Reminder Report Settings Doc INBOX

Appointment Overview Test Doctor 20-07-2023 Create

### Patient Record - PN00030

Patient No.: PN00030 **Find unused** Responsible Doctor: Test Doctor

HKID/other ID No.: F925808(2) ID Type\*: HKID

Name\*: Cheung Mei Fan Alias (For Searching):

Name(Chinese): 姓氏 名 Drug Label Language: 繁體中文

D.O.B(Age): 23/03/1987 (dd/mm/yyyy) Patient Type: Normal Patient

Sex\*:  Male  Female  Unknown Payment Category: Normal

Contact No. & Address Next of kin Referrer Medical Background Insurance Injection **Vaccination** Appointment Reminder Episodes Memo

DD/MM/YYYY DD/MM/YYYY **Show All**

Name	Vaccination Date	Admin	Admin Time	Lot No.	Venue	Remarks
Appointment Reminde...	29/06/2024	<input type="checkbox"/>			SAM Clinic	
Subsidized Flu Vaccin...	29/06/2023	<input checked="" type="checkbox"/>	10:20	PN00030-No.1	SAM Clinic	Flu Vaccination First Do

Update Create New From This Record Letters And Attachments Print Label Print Reg Card eHR Menu Cancel

The patient's vaccination records and next vaccination dates are displayed for user reference.

The screenshot displays a web-based appointment scheduling system. A modal window titled "New Appointment" is centered on the screen. The modal contains the following fields and options:

- Patient Type:** Radio buttons for "Existing Patient" (selected) and "Temporary Patient".
- Patient:** A text input field with a "Block a period" link.
- Priority:** A dropdown menu set to "Normal".
- Doctor:** A dropdown menu set to "Dr. CHAN, TSZ TAI".
- Specialty\*:** A dropdown menu set to "General".
- Payment Category\*:** A dropdown menu set to "Please select".
- Resources:** Two columns: "Selected" (empty) and "Available" (containing "Con Room A", "Con Room B", "X-Ray Room", and "MRI Room").
- Appointment:** A date input field showing "DD-MM-YYYY" and a time input field.
- Duration (Min):** A text input field containing "15".
- Repeats:** A dropdown menu set to "Once".
- Remarks:** A large text area for notes.

At the bottom of the modal are "Create" and "Cancel" buttons. The background interface shows a calendar for "Dr. CHAN, TSZ TAI" with a time slot from 09:00 to 11:00. The top navigation bar includes "Appointment", "Waiting", "Consultation", "Reminder", "Report", "Settings", and "EHRSS". The user is logged in as "admin".

# Appointment

Test Doctor Joy Leung

Waiting Queue

Search Patient New Patient 21/07/2023 Completed Consultation

	Patient No.	Name	Name(Chi)	Gender	Age	Arrival Time	Appt. Time	Specialty	Doctor	Remarks	Misc.
Booked (0)											
Waiting (3)											
-	1	PN00032	Shum Min Hui Winnie	岑敏慧	F	28y	21/07/2023 12:51		General	Test Doctor	  
-	2	PN00024	Tam Wai Keung Alex	譚偉強	M	37y	21/07/2023 12:36	10:45 am	General	Test Doctor	  
-	3	PN00014	Lee Tai Man	李大文	M	6m	21/07/2023 12:36	09:15 am	General	Test Doctor	  
Consultation (0)											
Hold (0)											
Consultation Completed (0)											



"Consultation" icon 

# Waiting Queue

Number denotes patients in the queue

Shum Mei Lan 岑美蘭 (F67y) | PN00055

Doctor: Joy Leung

Specialty: General

Consultation Queue > Consultation

Consultation Vital Signs Letters Attachments

2023-07-24 10:00 AM Encounter Type: Consultation

Save As Template Select Consultation Template Copy From Previous

Patient remarks

Patient Remarks: Wearing a hearing aid. Need to speak slowly.

Body Temp(°C): 38.6 | BP Systolic (mmHg): 143 | BP Diastolic (mmHg): 80 | Heart Rate (bpm): 75 | Weight (kg): 52 | Height (cm): 160 | Waist Circum (cm): 30

Vital signs

Clinical Findings:

Plan:

Diagnosis

Diagnosis (eHR Description)

Diagnosis (Print Description)

Prescription

Save Print Reset Select Prescription Template Copy From Previous 繁體中文

	Drug Name	Q/T	T/D	DURATION	T.QTY	UNIT	STAT	PRN	ADMIN DAY	I/A	Unit \$	Total	Rx	Alerts
- AD		Please s.∞	Please s.∞	Please s.∞			<input type="checkbox"/>	<input type="checkbox"/>	Please select	View	0.00	0.00	<input type="checkbox"/>	
- AD		Please s.∞	Please s.∞	Please s.∞			<input type="checkbox"/>	<input type="checkbox"/>	Please select	View	0.00	0.00	<input type="checkbox"/>	
- AD		Please s.∞	Please s.∞	Please s.∞			<input type="checkbox"/>	<input type="checkbox"/>	Please select	View	0.00	0.00	<input type="checkbox"/>	

Previous Episode

Complete Hold Temp. Save Preview Summary Complete (Skip Dispensary)

Cancel

# Consultation

Shum Mei Lan 岑美蘭 (F67y) | PN00055

Doctor: Joy Leung

Specialty: General

Consultation Queue > Consultation

Consultation Vital Signs Letters Attachments

2023-07-24 10:00 AM Encounter Type: Consultation

Save As Template Select Consultation Template Copy From Previous

Patient Remarks: Wearing a hearing aid. Need to speak slowly.

Body Temp(°C): 38.6 | BP Systolic (mmHg): 143 | BP Diastolic (mmHg): 80 | Heart Rate (bpm): 75 | Weight (kg): 52 | Height (cm): 160 | Waist Circum (cm): 30 |

Clinical Findings:

Cough, Muscle Pain, Nasal Congestion

Plan:

Plan 6

Diagnosis code: ICD10

Diagnosis

Diagnosis (eHR Description)

Diagnosis (Print Description)

J06.9 - Upper respiratory tract infection Upper respiratory tract infection

Save Print Reset Select Prescription Template Copy From Previous 繁體中文

Drug Name	Q/T	T/D	DURATION	T.QTY	UNIT	STAT	PRN	ADMIN DAY	I/A	Unit \$	Total	Rx	Alerts
<input type="text"/>	Please select	Please select	Please select			<input type="checkbox"/>	<input type="checkbox"/>	Please select	<input type="button" value="View"/>	0.00	0.00	<input type="checkbox"/>	<input type="button" value="Print"/>
Panadol Max 100mg ✓ RegNo.:HK0005 In stock:10258 Price:5 Cost: 0			Please select	Please select		<input type="checkbox"/>	<input type="checkbox"/>	Please select	<input type="button" value="View"/>	0.00	0.00	<input type="checkbox"/>	<input type="button" value="Print"/>
Ammonium chloride 110 mg / 5 mL + chlorphenamine maleate 2... ✓ RegNo.:AMMO01 In stock:97000 Price:48 Cost: 0			Please select	Please select		<input type="checkbox"/>	<input type="checkbox"/>	Please select	<input type="button" value="View"/>	0.00	0.00	<input type="checkbox"/>	<input type="button" value="Print"/>
Prednisone ✓ RegNo.:HK0007 In stock:172 Price:0.6 Cost: 0													
Adrenalin ✓ RegNo.:HK0011 In stock:116 Price:72 Cost: 0													
Fluzone High-Dose ✓ RegNo.:HK0012 In stock:186 Price:60 Cost: 0													
Clonazepam ✓ RegNo.:HK0013 In stock:285 Price:3.6 Cost: 3													
<b>Total Amount(\$)</b>										0.00			

Consultation Note

Prescription

Medical Background

Allergies

# Prescription

CMS 5.0    3 0 2 1 1 0 0    02:58 Mon, 03 July    Patient Search    admin    Exit

Appointment<sup>3</sup>    Waiting    Consultation<sup>2</sup>    **Dispensary<sup>1</sup>**    Payment<sup>1</sup>    Nursing    Inventory    Finance I/O    Reminder    Report    Settings    EHRSS

**[Chan Tai Man 陳大文 (M26y) | ZZ0000001 | 25]**    Doctor: Dr. CHAN, TSZ TAI    Specialty: General    Dispensary List > Dispensary

Label language    **Print Label**    **Print Prescription**    Prescription No.: PR0000000022

<input checked="" type="checkbox"/>	Drug Name	Q/T	T/D	DUR	T.QTY	UNIT	STAT?	PRN?	ADMIN DAY	I/A	DA	DD	Special Instruction	Status
<input checked="" type="checkbox"/>	ASPIRIN TAB 80MG (ORANGE)-SYNCO	1T	2BD	7D	14.0	TABLET			EVERY DAY	<b>View</b>				Waiting
<input checked="" type="checkbox"/>	COFLIN COUGH SYRUP	M10	3TDS	3D	1.0	BOTTLE			EVERY DAY	<b>View</b>				Waiting

Drug Allergy :

<input checked="" type="checkbox"/>	Drug Name	T.QTY	UNIT	DA	DD	Special Instruction	Dispensing Remarks	Status
<input checked="" type="checkbox"/>	ASPIRIN TAB 80MG (ORANGE)-SYNCO	14.0	TABLET					Waiting
<input checked="" type="checkbox"/>	COFLIN COUGH SYRUP	1.0	BOTTLE					Waiting

Temp. Save    **Confirm Dispensing**    Jump to Payment    Revoke Dispense    Cancel

# Dispensary

CMS 5.0    3 0 2 0 1 0 0    03:03 Mon, 03 July    Patient Search    admin    Exit

Appointment<sup>3</sup>    Waiting    Consultation<sup>2</sup>    Dispensary    Payment<sup>1</sup>    Inventory    Finance I/O    Reminder    Report    Settings    EHRSS

### Inventory

Drug    Request    Delivery    Reconciliation    Stock Move

   Search    Show All    Low QTY     Dangerous

Registration	Clinic Reg #	Product Name	Dange...	Alias	Stock ...	Reord...	Unit	Expect...	Reord...	Averag...	Unit Pr...	Location	Earlies...
HK01697	CN000003	COFLIN COUGH SY...	No	COUGH SYRUP	996	100.00	BOTTLE	1000.00	Not Need	10.00	\$50.00		03/07/2023
HK02280	CN000001	PANADOL TAB 500MG	No	PANADOL PARACET...	4832	100.00	TABLET	1000.00	Not Need	0.40	\$1.00		03/07/2023
HK06252	CN000002	ASPIRIN TAB 80MG (...)	No	aspirin	4944	100.00	TABLET	1000.00	Not Need	0.40	\$1.00		03/07/2023

Showing 1 to 3 of 3 entries    Show 10 entries    Jump to:  previous 1 next

# Inventory

CMS 5.0    3 0 2 0 1 0 0    03:07 Mon, 03 July    Patient Search    admin    Exit

Appointment<sup>3</sup>    Waiting    Consultation<sup>2</sup>    Dispensary    Payment<sup>1</sup>    Nursing    Inventory    Finance I/O    Reminder    Report    Settings    EHRSS

**Report**

- Billing
  - Total Revenue**
  - Revenue by Insurer
  - Revenue by Medical Card
  - Income Report
  - Billing Detail Report
  - Income Detail Report
  - Outstanding Bill Report
  - Patient Expense Summary
- Prescription
  - Consumption
  - Drug Prescription
  - Dangerous Drug
  - DD Dispense Record
- Inventory
  - Replenishment
  - Low Inventory
  - Drug Expiry
  - Consultation History
  - Patient List
  - Referrer Report
  - Diagnosis Alert Limits Report
  - Usage Report
  - Referrer Summary

**Total Revenue**

Date: 28/02/2023 — 03/07/2023

Search    EXCEL    PDF

Date		Consultation (Gastro)	Medicine (Gastro)	Consultation	Medication	Lab Order	Bedside Procedure	Consultation + Medication
17-05-2023	3,054.50	600.00	400.00	604.50	1,450.00	0.00	0.00	0.00
20-05-2023	1,000.00	0.00	0.00	600.00	400.00	0.00	0.00	0.00
22-05-2023	3,100.00	0.00	0.00	1,200.00	800.00	100.00	1,000.00	0.00
24-05-2023	1,000.00	0.00	0.00	600.00	400.00	0.00	0.00	0.00
25-05-2023	1,351.50	0.00	0.00	601.50	750.00	0.00	0.00	0.00
<b>Total</b>	<b>9,506.00</b>	<b>600.00</b>	<b>400.00</b>	<b>3,606.00</b>	<b>3,800.00</b>	<b>100.00</b>	<b>1,000.00</b>	<b>0.00</b>
01-06-2023	1,500.00	0.00	0.00	600.00	400.00	0.00	0.00	500.00
27-06-2023	990.00	0.00	0.00	600.00	390.00	0.00	0.00	0.00
30-06-2023	990.00	0.00	0.00	600.00	390.00	0.00	0.00	0.00
<b>Total</b>	<b>3,480.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1,800.00</b>	<b>1,180.00</b>	<b>0.00</b>	<b>0.00</b>	<b>500.00</b>
<b>Total</b>	<b>12,986.00</b>	<b>600.00</b>	<b>400.00</b>	<b>5,406.00</b>	<b>4,980.00</b>	<b>100.00</b>	<b>1,000.00</b>	<b>500.00</b>

# Reporting

# Training Videos

## **Appointment & Waiting Queue**

1. [HKMA CMS 5.0 - Training Video 1 - Appointment & Waiting Queue](#)

## **Consultation**

2. [HKMA CMS 5.0 - Training Video 2 - Consultation](#)

## **Nurse Operations & payment**

3. [HKMA CMS 5.0 - Training Video 3 - Nurse Operations & Payment](#)

# Training Videos

## **Inventory and Finance**

4. [HKMA CMS 5.0 - Training Video 4 - Inventory & Finance](#)

## Report Setting and Q&A

5. [HKMA CMS 5.0 - Training Video 5 - Report Settings and Q&A](#)

# eHealth Adoption Sponsorship Scheme – Pilot Scheme

- ▶ This Scheme aims to promote the adoption and sharing of electronic health record (“eHR”) to the eHR Sharing System among Private healthcare sector
- ▶ Subscribers of the HKMA CMS 5.0 of the Hong Kong Medical Association (maintained by System Aid Medical Services Limited), are all invited to take part in the Pilot Scheme by agreeing to upload data to the eHR Sharing System via the HKMA CMS 5.0, subject to the joining and sharing consent of individual patients.

# eHealth Adoption Sponsorship Scheme – Pilot Scheme

- ▶ Sponsorship of the subscription fee of the HKMA CMS 5.0 who actively uses\* the system; and enables (without any restriction) the sharing of eHRs from the system to eHRSS, after obtaining the joining and sharing consent of individual patient.
  - ▶ \*Actively uses means inputting data into the HKMA CMS 5.0 he/she is subscribing for at least 50 distinct patients per calendar month after enrolling in the Scheme.
  - ▶ Eligible Subscribers to submit monthly report to eHR Office via System Aid Medical (SAM: HKMA's CMS 5.0 Operator) on whether they have fulfilled the usage and data sharing requirements for the month.

# eHealth Adoption Sponsorship Scheme – Pilot Scheme

- ▶ Maximum sponsorship amount: HK\$550 per month per Eligible Subscriber, irrespective of the number of EMRS solutions he / she has subscribed for concurrently.
- ▶ Maximum sponsorship duration per Eligible Subscriber, irrespective of the number of EMRS solutions he / she has subscribed for: 24 months before the Government announces the end of the scheme.
- ▶ Monthly reimbursement of the subscription fee will commence after recruitment of at least 50 Eligible Subscribers for the HKMA CMS 5.0 with upload.

# eHealth Adoption Sponsorship Scheme – Pilot Scheme

- ◆ The development of the HKMA CMS 5.0 for eHRSS upload (ready in end Nov 2023) would include 5 essential types of historical and ongoing eHealth Records plus 1 data domain:
- ◆ Essential:
  - ✓ Healthcare Recipient Index
  - ✓ Allergy
  - ✓ Encounter
  - ✓ Dispensing record / Prescribing Record
  - ✓ Immunisation Record
- ◆ Add-on
  - ✓ Gen Lab report

# eHealth Adoption Sponsorship Scheme – Pilot Scheme

- ▶ Q: What are the minimum IT Requirements?
- ▶ Ans. Server for hosting HKMA CMS 5.0 and data sharing on premise
  - ✓ CPU: Intel i5 or above
  - ✓ RAM: min 16GB
  - ✓ Hard Disk: 512 SSD or above
  - ✓ OS: Windows 10 or above

## Networking

- ✓ Internet broadband Service Speed: 100Mbps or above
- ✓ Intranet Speed: 10/100 Mbps or above
- ✓ Suggest fixed ip

# eHealth Adoption Sponsorship Scheme – Pilot Scheme

- ▶ Q : How do I apply for the Sponsorship Scheme and what documents are required?
- ▶ Ans.: The following documents are required:
  - ✓ Your Business Registration copy
  - ✓ Your HCP number and your eHRSS number
  - ✓ Fill in an Application Form
  - ✓ Fill in an eHRSS Security Assessment Checklist



Welcome For Trial

Contact: SAM hotline 2151-2531

email: [enquiry@samhk.com](mailto:enquiry@samhk.com)