

# Survey on antimicrobial prescribing app in Ghana

## 1) Background information

Country.....

Grade .....

Specialty.....

Type of institution.....

Year of graduation .....

Profession (circle one): Doctor/Nurse/Pharmacist/Other

Which do you do most frequently in your role (circle one): prescribe / administer / dispense

## 2) How frequently do you access ANY FORM OF MEDICAL INFORMATION using the following:

	More than once a day	Daily	Weekly	Monthly	Never
A mobile phone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A tablet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A computer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A pocket book	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Printed posters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please state) .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 3) How frequently do you prescribe/administer or dispense antimicrobials?

	More than once a day	Daily	Weekly	Monthly	Never
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 4) Please tick the most appropriate answers to the statements below. (pls tick one option per line)

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
Standard antimicrobial treatment guidelines are easy to access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
My seniors' preferences guide antimicrobial prescribing more than standard treatment guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Standard antimicrobial treatment guidelines don't apply to my patients	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I prefer to use non-standard treatment guidelines to guide my antimicrobial prescribing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I am concerned about the emergence of drug-resistant infections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**5) Do you carry a smartphone with you at work?**

Yes    No

**6) Which operating system does it run on?**

iPhone

Android

Windows Phone

Blackberry

Other (please state)

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**7) How frequently did/do you access the following sources of information on ANTIMICROBIAL PRESCRIBING? (Tick one option per line)**

	More than once a day	Daily	Weekly	Monthly	Never
CwPAMS App	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Printed copy of Standard treatment guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BNF / National guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Microbiology / Infectious Diseases advice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pharmacists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Senior colleagues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other junior doctors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Internet search engines (e.g. Google)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please state)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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**8a) Are you aware that the infection treatment from the Ghana Standard Treatment guidelines is available as an Smartphone App? (circle one)**

Yes

No

**8b) Have you downloaded the app? (circle one)**

Yes

No

**9) Only answer this question IF you have downloaded the app - How frequently do you now access the following sources of information on ANTIMICROBIAL PRESCRIBING? (Tick one option per line)**

	More than once a day	Daily	Weekly	Monthly	Never
CwPAMS App	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Printed copy of standard treatment guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BNF / National guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Microbiology / Infectious Diseases advice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pharmacists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Senior colleagues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other junior doctors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Internet search engines (e.g. Google)

☐☐☐☐☐

Other (please state)

☐☐☐☐☐

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10) If you have downloaded the app but not currently using regularly please share what the challenges are:

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11) Please tick the most appropriate answers to the statements below about THE CwPAMS SMART PHONE APP (Tick one option per line)

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
I have found the app useful	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The app is easy to navigate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The content of the app is relevant to my - patient population	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The app is the best way to access standard antimicrobial treatment guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I would like to see all standard antimicrobial treatment guidelines on the app	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The app encourages me to document the <u>indication</u> for antimicrobials on the drug chart	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The app encourages me to document the <u>duration</u> for antimicrobials on the drug chart	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The app encourages me to challenge inappropriate prescribing by others	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel comfortable using a smart phone on a ward round	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel comfortable accessing the app at the patient's bedside	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The app has increased my awareness of antimicrobial stewardship	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**12) Please, rate how useful you found each of the following sections in the app (Tick one option per line)**

	Very useful	Useful	Not useful	Didn't use
The WHO Essential Medicines list section	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The country specific standard treatment guidelines section	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The AMS resource section	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Global PPS tools section	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The IPC tools section	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**13) Do you have any suggestions for improving the content of the CwPAMS smart phone app?**

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**14) Please detail any other comments you have about the CwPAMS antimicrobial smart phone app**

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**15) How many other medical apps do you use on a regular basis? Please state their names.**

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**Please use the section below to share any other feedback or comments:**