

APPENDIX 1. Questionnaire

**Research title: The use of mobile devices for teaching and learning**

Dear student,

The Centre for Medical Education (CenMED), NUS Yong Loo Lin School of Medicine is conducting a research project on “The use of mobile devices for teaching and learning.” We would like to invite you to complete this questionnaire (about 30 minutes). The survey will allow us to find out more about your perceptions on the use of mobile devices for teaching and learning.

Participation is strictly voluntary and the information collected will be kept confidential. You will not be reimbursed for participation in the study.

**Free-response questionnaire (for online version only)**

By clicking on “Next,” I agree to participate in this survey. I am aware that I am free to withdraw from the survey at any time up until I submit my responses to the survey.

**Definition:**

**Mobile devices:** any hand-held equipment which are designed or capable of being used for telecommunication, including providing access to the Internet [22,23].

**Clinical teaching session or ward rounds:** teaching and learning focused on, and usually directly involving, patients and their problem. The clinical environment consists of inpatient, hospital outpatient, and community settings [16].

Question	Information (mouse over remove for hardcopy version)
<b>Demographics</b> I am a _____	First- or second-year undergraduate medical student; third- or fourth-year undergraduate medical student; medical resident; graduate student (other than medical resident); faculty member; clinical instructor
1. What kind of mobile device(s) do you own? (List all that are constantly in your possession when attending clinical teaching sessions or ward rounds)	iPhone or iPod Touch, iPad, other tablet computer, Android phone, Blackberry, other phone with Internet access
2. What do you use your mobile device during clinical teaching sessions or ward rounds for?	Take notes; find drug information; find practice guidelines; read point-of-care information from sources such as DynaMed or UpToDate; clinical calculations; differential diagnoses; search for journal articles; and read journal articles.
3. How often do you use your mobile device to access medical resources?	“Medical resources” means both downloaded applications as well as websites that you access through the web browser on your device. More than once a day; once a day; several times a week; several times a month; once a month; less than once a month; and never
4. Please describe the last time you used your mobile device to find medical information. What resource(s) did you use?	
5. How long did you take to find what you needed?	
6. What worked or did not work well?	
7. How many medical resources have you purchased to be used on your mobile device?	“Medical resources” means both downloaded applications as well as websites that you access through the web browser on your device: 0, 1–4, 5–10, and >10.

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Question	Information (mouse over remove for hardcopy version)
8. Please list up to five medical resources that you use most frequently on your mobile device, starting with your favourite first.	
9. For your favourite resource, why do you use it most often?	
10. What are the barriers you have encountered when accessing medical resources on your mobile device?	<p>“Medical resources” means both downloaded applications as well as websites that you access through the web browser on your device.</p> <p>Wireless access in the hospital or clinic; knowing what resources are available; understanding how to use the resources; technology problems; complicated installation process; do not have permission to install software; and lack of time</p>
11. What medical resources would you like the school/library to provide for your mobile device?	