













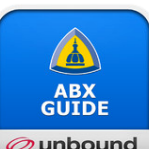



Useful iPad/iPhone Apps and Websites for the ME2000 Clerkship

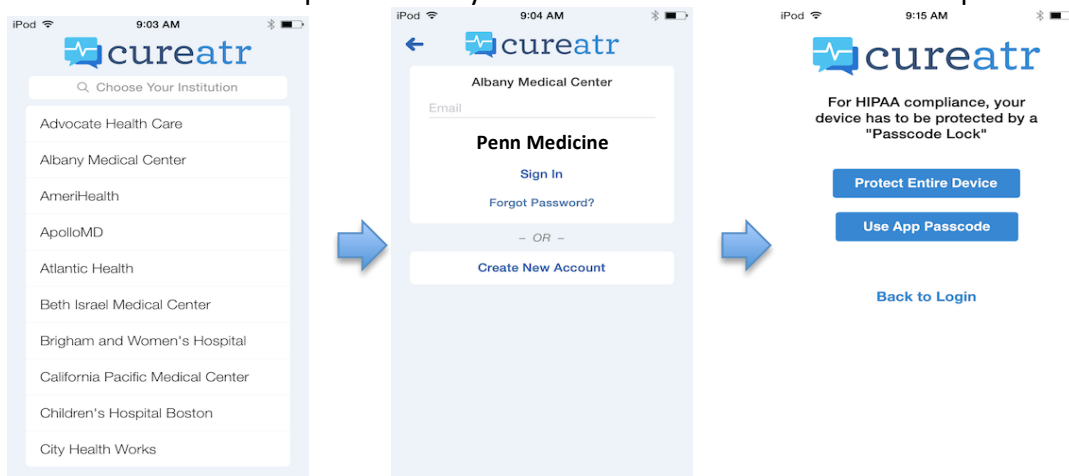
 <p>Click to Download</p>	<p>ACP Immunization Advisor – a great interactive app to search for suggested vaccinations for specific patient demographics. It also has links to recommended travel vaccinations as well.</p>	 <p>Click for Website</p>	<p>iAntibiogram – allows you to access real-time UPHS susceptibility data for common infections to help inform antibiotic treatment decisions. Click on this link for use instructions.</p>
 <p>Click to Download</p>	<p>Adobe Reader – allows you to easily view and save PDF files in “the cloud.” Useful to view your schedules, including the “Hitchhikers Guide to the ME200 clerkship.”</p>	 <p>Click to Download</p>	<p>Junos Pulse – allows you to access the UPHS Intranet from an external site (e.g. your home or mobile device). Click on this link for instructions to install.</p>
 <p>Click to Download</p>	<p>AHRQ ePSS – a useful app for primary care. You can plug in patient characteristics, and it will tell you recommended screening tests. Also has a searchable format.</p>	 <p>Click to Download</p>	<p>Mediquations – nice medical calculator with multiple equations and associated calculators. Costs \$4.99.</p>
 <p>Click to Download</p>	<p>Cureatr – a HIPAA-secure text-messaging app that will allow you to communicate with your resident, attending, and other members of the healthcare team about your patients. Click this link for use instructions.</p>	 <p>Click to Download</p>	<p>Micromedex Drug Interactions – allows you to fairly easily create a list of medications to check for drug-drug interactions. This usually costs money, but you can access it for free. Click this link to find out how. Recommend choosing either Epocrates or Micromedex.</p>
 <p>Click to Download</p>	<p>Citrix Receiver – allows you to access Sunrise Clinical Manager (SCM) and EPIC from your iPad. Click on this link to set it up.</p>	 <p>Click to Download</p>	<p>Micromedex Drug Information – most comprehensive drug information program, but a little more “clunky” than Epocrates, which is a bit more user friendly. Recommend choosing either Epocrates or Micromedex.</p>
 <p>Click for Website</p>	<p>Connexus – can view variety of clinical information on your patients including vital signs, allergies, inpatient and home medications, labs, radiology studies, and medical history reports. Click on this link for use instructions. You need to be on uphsfast or VPN.</p>	 <p>Click for Website</p>	<p>Pennpod – a website that has podcasts and vodcasts organized by subspecialty. This site is a great way to access high-yield, specialty-specific information. Click on this link for use instructions. The UPHS network (UPHS-fast) blocks Soundcloud so you need to access from UPHS-guest or non-UPHS server.</p>
 <p>Click to Download</p>	<p>Epocrates – the typical “go-to” app for all medication information, including dosing, pharmacology, safety profiles, and drug-drug interactions. It also has a useful medical calculator. Recommend choosing either Epocrates or Micromedex.</p>	 <p>Click for Website</p>	<p>PennRolodoc – a great website with mobile interface. It has a searchable format to find phone numbers for useful departments in the hospital as well as the numbers to call various consultants. Click on this link for use instructions.</p>
 <p>Click to Download</p>	<p>Hopkins Antibiotic Guide – best overview of antibiotics and infectious pathogens and their diagnosis and treatment. Usually costs \$29.99, but you can get it for free. Click this link to find out how.</p>	 <p>Click to Download</p>	<p>Visual Dx – shows images of dermatologic manifestations of different diseases and can build differentials. Usually very pricy but Penn has subscription. Click this link to find out how to access.</p>



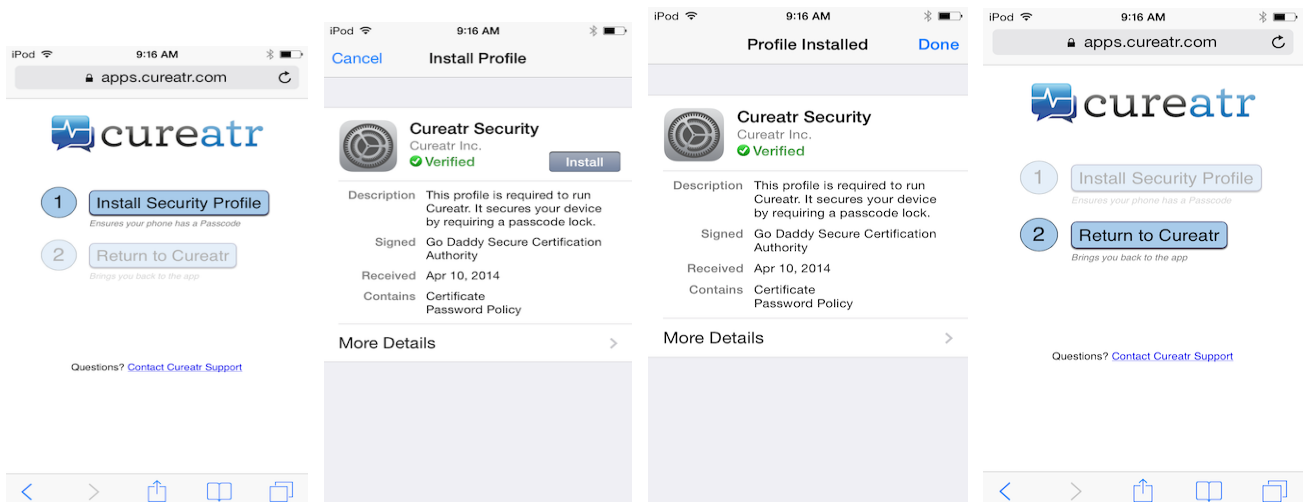
Accessing Cureatr

Cureatr is a HIPAA-secure text-messaging app that will allow you to communicate with your resident, attending, and other members of the healthcare team about your patients. This app is widely used by nurses, attendings, residents, pharmacists, social workers, and clinical resource coordinators on internal medicine floors. To use the app:

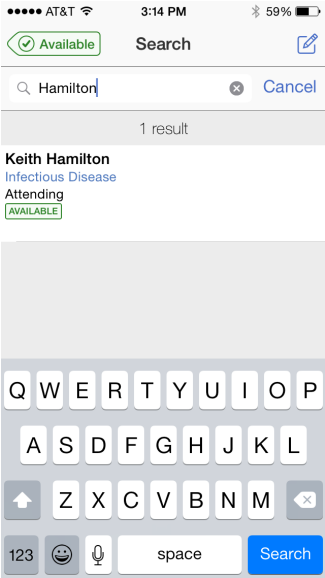
1. Download Cureatr by clicking on the Cureatr icon on the first page of this document or searching for “Cureatr” in the Apple App Store or Google Play Store
2. Open Cureatr and select “Penn Medicine” from the list of institutions
3. At the point these instructions were created, Penn did not support Single Sign-On (which allowed you to enter your institution credentials) so when you first open the app, you will need to create a new account using your UPHS e-mail address
4. An e-mail will be sent to your account with a temporary password
5. Log-in to the Cureatr app using the temporary password
6. When you first open the app, you will be prompted to create a passcode lock to make the app HIPAA compliant. You have the option to “Protect Entire Device” or “Use App Passcode.” It is easiest to use the device passcode so you don’t have to remember another passcode.



7. Click on “Install Security Profile” and then “Install.” You will get a verification message and then can click “Done” and “Return to Cureatr.”



You then can easily search for people to text from your team if the subscribe to Cureatr:





Accessing Clinical Systems with Citrix Receiver

Clinical systems may be accessed on the iPad through the Citrix Web link on the Intranet. The Citrix Receiver app must be installed first. However, you will not access the clinical systems directly from Citrix Receiver.

If you experience any problems with clinical applications accessed from an iPad or other tablet device, always use the standard desktop workstations which are provided and supported by UPHS.

Enrollment in Penn Medicine Mobile Device Management (MDM) is required in order to access clinical systems on your mobile device. Prior to following these instructions, assure that your device has been enrolled on the MDM; refer to <http://uphsxnet.uphs.upenn.edu/is/telecom/> if you are not already enrolled.

To access clinical systems on the iPad, follow these instructions:

1. Call Penn Medicine Helpdesk (215-662-7474) and request remote access to Sunrise (SCM)
2. On your iPad navigate to the Apple App Store
3. Install the Citrix Receiver app (no configuration necessary –it must only be installed)
4. Assure that you are connected to the network via WiFi (UPHS-Fast) or VPN (follow these instructions if you have not installed Junos Pulse:
 - a. iOS/iPhone: http://www.uphs.upenn.edu/network/docs/Penn_VPN_iOS_Users.pdf
 - b. Android: http://www.uphs.upenn.edu/network/docs/Android_VPN_Instructions.pdf
 - c. For general remote access instructions: <http://www.uphs.upenn.edu/network/>
5. Navigate to the Intranet (<http://uphsxnet.uphs.upenn.edu/home/>)
6. Tap on the Epic via Citrix Web link:
(<http://uphiisndc001.uphs.upenn.edu/Citrix/AccessPlatform1/auth/login.aspx>)
7. Log into Citrix with your UPHS network login
8. Tap on the clinical system icon (ie. Epic Hyperspace or SCM 5.5)
9. A “Open in Citrix Receiver” button will appear; tap on the button
10. Citrix Receiver will automatically open and launch the Epic login screen
11. Log into Epic/SCM/Emtrac with the appropriate application credentials

Troubleshooting your Connection-

If you tap to perform an action and the application is non-responsive, you may be disconnected from the network. Go to the home screen and check your Wi-Fi connection. When you are reconnected to the network, open Citrix Receiver, and if you are reconnected within a few minutes, the clinical system should still be open and functioning. Otherwise, return to the Intranet and follow the steps above to log in again.

If the clinical system you are trying to access is not in your Citrix Web apps, submit an IS Service Desk ticket for “remote access” to the specific application.



Username

Same as MedView

Password

Same as MedView

Accessing Connexus

You access Connexus via your browser. There is no need to download anything. Only requirements are to be connected to the UPHS network, have a MedView account, and use any HTML5 compatible browser (eg. Chrome, Safari, or Internet Explorer 11). Note that Connexus **will not** work on Internet Explorer 8 or 9 (which is the web browser used on computers at HUP, PAH, and PPMC).

From your phone or mobile device:

Connect to the UPHS network:

- When on-site, connect to the "PennMedicine" (preferred) or "UPHS-Fast" WiFi network
- When off-site, or where a "PennMedicine" wireless connection is unavailable, use the [Junos Pulse app](#) (for iOS or Android) to connect to the UPHS VPN

From your desktop:

While on UPHSnet, open Chrome, Safari, or Internet Explorer 11 (older versions of IE will not work.)

Once connected to the UPHS network:

1. Point your device's browser to:
<http://uphsnet.uphs.upenn.edu/connexus>
2. Log in with your MedView username and password and choose a 4-digit PIN

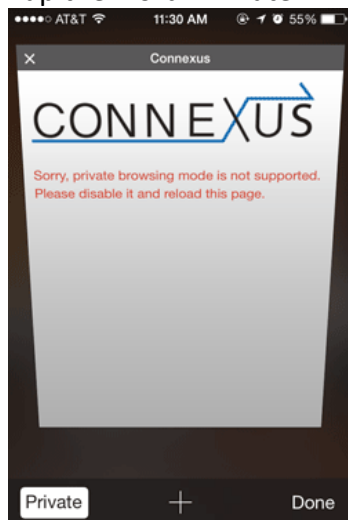
Connexus login interface on a mobile device. The form includes fields for Username (Same as MedView), Password (Same as MedView), and Choose a PIN (4 digit PIN). A Log In button is at the bottom.

(Next time you sign in to Connexus from the same device, and for the next 30 days, you'll just need to enter your PIN.)

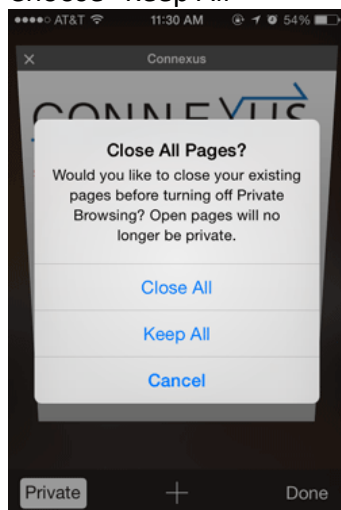
3. Use the side menu to define your list of patients, or use the search box at the top to find a patient by name, MRN, room, or floor.

Note that "private browsing" must be disabled! If you get an error message that says "Sorry, private browsing mode is not supported", follow these steps to disable it:

1. Tap the "tabs" icon in the lower right (the "tabs" icon is the two overlapping squares)
2. Tap the word "Private"



3. Choose "Keep All"



4. Reload the Connexus page

How to save Connexus as a Bookmark on your Mobile Device:

iPhone (Safari)

1. Open Safari on your iPhone
2. Go to the Connexus URL:
<http://uphsnet.uphs.upenn.edu/connexus>
3. Tap the "Share" icon at the bottom of the screen (the Share icon looks like an arrow trying to escape through the top of a box.)
4. Tap "Bookmark" or "Add to Home Screen" if you want it to act like an app
5. Tap Save in the upper right of the screen.

Android (Chrome)

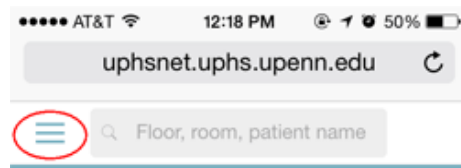
1. Open Chrome on your phone
2. Go to the Connexus URL:

<http://uphsnet.uphs.upenn.edu/connexus>

3. Tap the menu key and tap the "Star"
4. Click "Save" on the "Add bookmark" page.

Tips for Using Connexus:

- When you first login, you can search for any inpatient using the search field, or you can set up your list of services. You can also pull up an entire floor's census by entering the first few letters of the floor and clicking "search inpatients." For example: "S11" will pull up the census for Silverstein 11 in HUP.
- To set up a patient list, click on the "hamburger" icon...



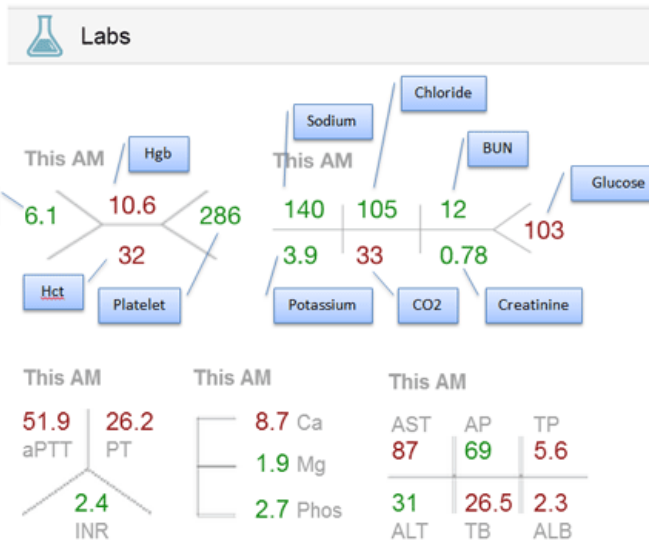
...in the top left corner of the screen. You can then set up a list based on assigned service in Sunrise, or by your role. If you want to create a service based on someone else's care provider role, click on "Custom" under "Patients by Role." You can also save any combination of lists by clicking on the star icon.

- From the patient list, you can identify a patient as being "sick" by sliding their name to the left. This changes the color of their name and of their header bar
- You can take notes on a patient that are only visible to you, by click on the "My notes" button at the top of the screen
- Most items can be tapped for more information; for example, vitals, I/Os, medications, labs, studies
- Some actions in Connexus are visible just to you, and others are visible to everyone:

Action	Visibility
Marking a patient as "Sick"	All Connexus users
Tagging a study	All Connexus users
Adding a note to a patient	Just you

Other Useful Information:

- Your PIN is good for 30 days for the device on which you registered it. After 30 days, you'll need to log in again using your full MedView credentials, and re-select a PIN.
- Connexus has a timeout of 15 minutes: meaning that after fifteen minutes of inactivity, you'll need to re-enter your PIN.
- The speed of Connexus is a function of the quality of the WiFi connection you have.
- Your saved lists are local to the device you define them on. So if you have, say, an iPhone and an iPad, you'll need to set up your lists on each device.
- No clinical data is stored on your device
- Your recent patient list is shared between MedView, MedView Mobile, and Connexus.
- A patient's lab results are displayed in two sections: fishbone diagrams, and inline results. For results which appear on a fishbone, the most recent of each result within 72 hours is diagrammed on the appropriate fishbone:



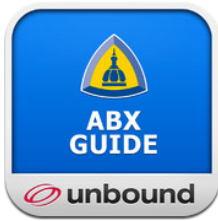
To view a history of a patient's lab results for a test in the fishbone, tap the appropriate value in the fishbone. If no value is present in the last 72 hours, "---" will be displayed. You can tap "--" to view lab results older than 72 hours. All other lab results appear beneath the fishbone:

8/5/14	FIBRINOGEN (L)	164 mg/dL (170-410)
8/5/14	Lipase Lvl	58 U/L (11-82)
8/5/14	Bilirubin Dir (H)	18.5 mg/dL (0.1-0.5)
8/5/14	Bili Indirect (H)	8.0 mg/dL (0.2-0.7)
8/5/14	UPRO mg/dL (H)	37 mg/dL (<=9)

Tap a result to see additional details, plus a history of the test's results.

Others labs appear as a panel name (with no result immediately visible); tap the panel name to expand the panel and show all test results included in it. Tap the top result again to collapse the panel. For reports (microbiology, anatomic and surgical pathology, etc.) tap the report name to open the text of the report in a pop-up. For microbiology reports, the pop-up will include all cultures, intermediate results, and sensitivity profiles.

- Inpatients medications includes sections for PRN, pending, recently completed or discontinued medications, and transfusions. New icons identify new, expiring, and medications not given within the last 24 hours. You can tap a medication to see additional details, including 48 hours of administration history.



Accessing Hopkins Antibiotic Guide

- Download the Hopkins Antibiotic Guide
- In order to access the Hopkins Antibiotic Guide for free, you will need to create a **uCentral account**
- To create a **uCentral account**, download the uCentral app:
<https://itunes.apple.com/us/app/ucentral-medical-references/id301867156?mt=8>
- When on VPN or when logged onto UPHS fast, follow directions to register for a **uCentral account**
- After the account is set up, login to **uCentral** and Hopkins Antibiotic Guide should appear as one of the options in the menu

Accessing iAntibiogram

iAntibiogram provides current susceptibilities specific to entities, locations, organism groups and specimen sources. Using iAntibiogram can improve empiric antimicrobial selection. It also provides links to drug information and HUP/PPMC empiric treatment guidelines. iAntibiogram can be accessed by the following link: <http://iantibiogram.uphs.upenn.edu>. You will login using your UPHS username.

iOS (Safari)

1. Open Safari on your iPhone/iPad
2. Go to the iAntibiogram URL: <http://iantibiogram.uphs.upenn.edu>
3. Tap the "Share" icon at the bottom of the screen (the Share icon looks like an arrow trying to escape through the top of a box.)
4. Tap "Add to Home Screen"

Android (Chrome)

1. Open Chrome on your phone
2. Go to the iAntibiogram URL: <http://iantibiogram.uphs.upenn.edu>
3. Tap the menu key and tap the "Star"
4. Click "Save" on the "Add bookmark" page

Example Use Case:

A 65-year-old male with history of recent Whipple complicated by small bowel obstruction on TPN is transferred to the SICU with septic shock. He is started on vancomycin, piperacillin-tazobactam, and amikacin. Blood cultures are growing *Pseudomonas*. He remains on pressors without improvement. Would you change antibiotics?

Select "Gram -"

Select *Pseudomonas*

Select HUP, ICU, and blood

Can get information on drugs by clicking "i"

iAntibiogram			
Drug	% susceptible	Ps.aer	Bug
Single drug			
① Am/Cl >	54	--	
① Amika >	97	91	
① Ampic >	36	--	
① Am/Su >	66	--	
Combination therapy			
① Cfp+Ami >	93	96	

You can see that for this patient Cefepime is the best beta-lactam option for this patient (88% susceptible compared to 60% for meropenem and 40% for piperacillin-tazobactam). The aminoglycoside should still be continued though until final susceptibility results are back.



Accessing Junos Pulse

Junos Pulse allows you to access UPHS clinical systems from your mobile device. It allows your device to operate as if it was connected directly to the intranet even if you are at home or on the go.

For download and installation instructions, click on the appropriate link(s) below:

- iOS/iPhone: http://www.uphs.upenn.edu/network/docs/Penn_VPN_iOS_Users.pdf
- Android: http://www.uphs.upenn.edu/network/docs/Android_VPN_Instructions.pdf
- For general remote access instructions: <http://www.uphs.upenn.edu/network/>



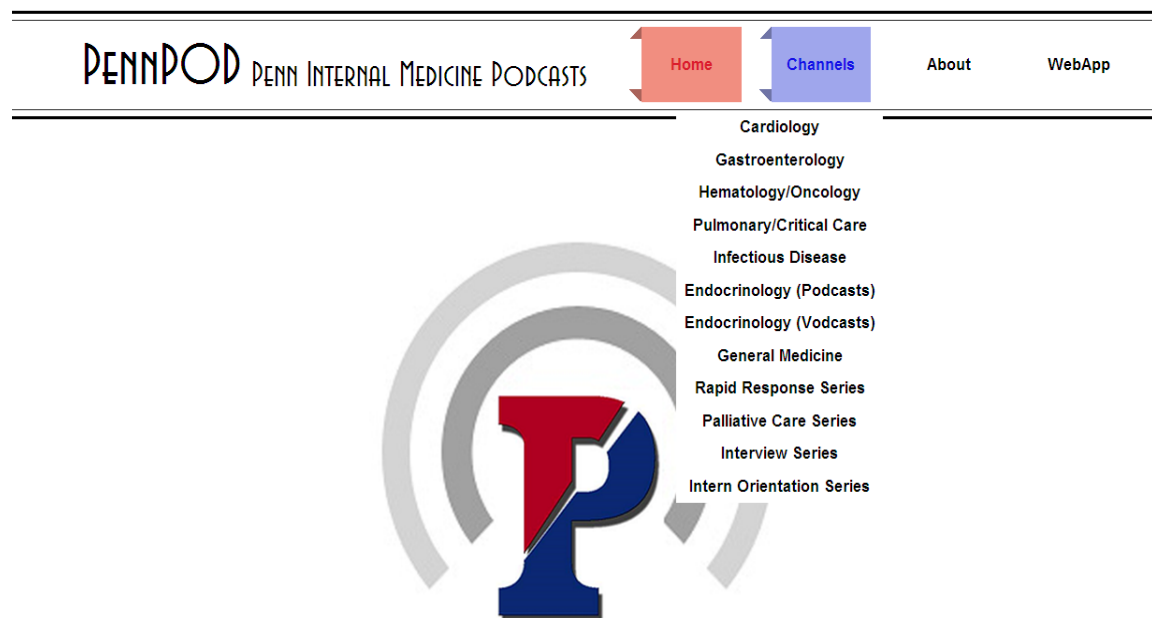
Accessing Micromedex Drug Interactions

- Download the app by selecting the **"Free"** button
- Open the UPHS intranet homepage from a UPHS computer or by logging onto the VPN:
<http://uphsnet.uphs.upenn.edu/home>
- In the far right column under the subheading "Systems" (organized in alphabetical order), click on Micromedex.
- At the very top of the page on the right, click on Micromedex® box under "Your applications:"
- At the bottom right of the page, click on the box "Download Mobile Apps"
- At the bottom of the page next to "Step 4," it lists the password to enter to activate the app



Accessing Pennpod

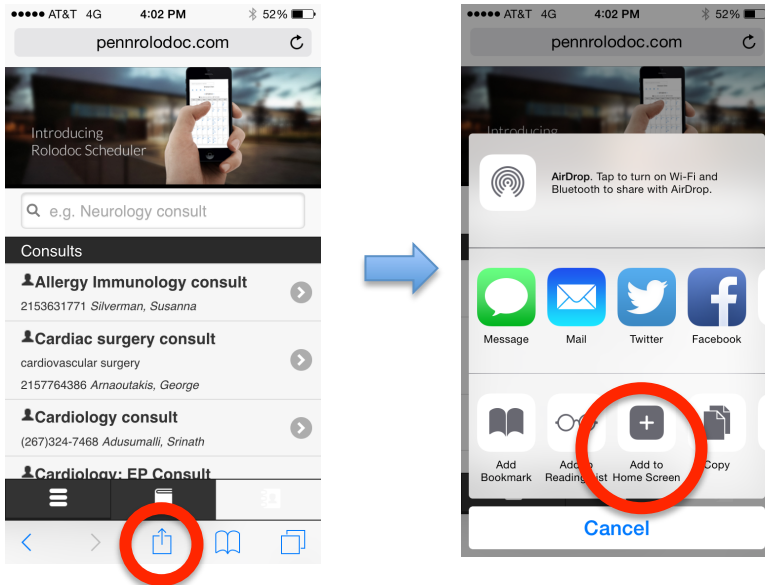
Pennpod is a website that has podcasts and vodcasts organized by subspecialty. This site is a great way to access high-yield, specialty-specific information. It is very picky on which web browser you use. When this guide was written, the podcasts did not work with Safari. Click on the heading "Channels" to access the podcasts by specialty area. Password is "pennres." The UPHS network (UPHS-fast) blocks Soundcloud so you need to access from UPHS-guest or non-UPHS server.



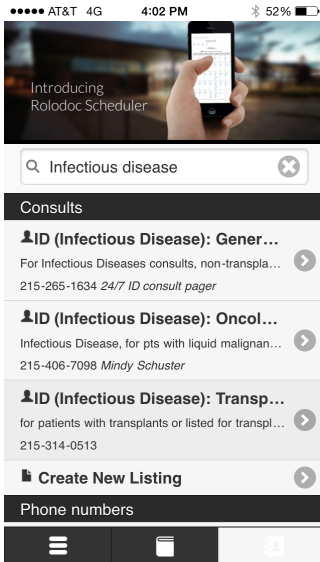


PennRolodoc

PennRolodoc is a great website with mobile interface. It has a searchable format to find phone numbers for useful departments in the hospital as well as the numbers to call various consultants. The URL is www.pennrolodoc.com. It works well if you add it to the homescreen on your mobile device:



You can search for phone numbers and text page consultants directly from the site:





Accessing Visual Diagnosis Mobile

- You need to download the app from the iTunes App Store, but it requires a username and password. The subsequent directions describe how to get the username and password
- Log open a web-browser from a UPHS computer or when logged onto VPN
- Go to this link on the web-browser: www.visualdx.com
- In the middle of the screen, click "Free Mobile and iPad access"
- Scroll to the bottom of the page and under the subheading "Institutional site user," click the link "Launch VisualDx."
- Click the orange button, "FREE APP for iPad, iPhone, and Android" and follow the directions to get a username and password sent to your e-mail address