EBM Resources in the Palm of your Hand

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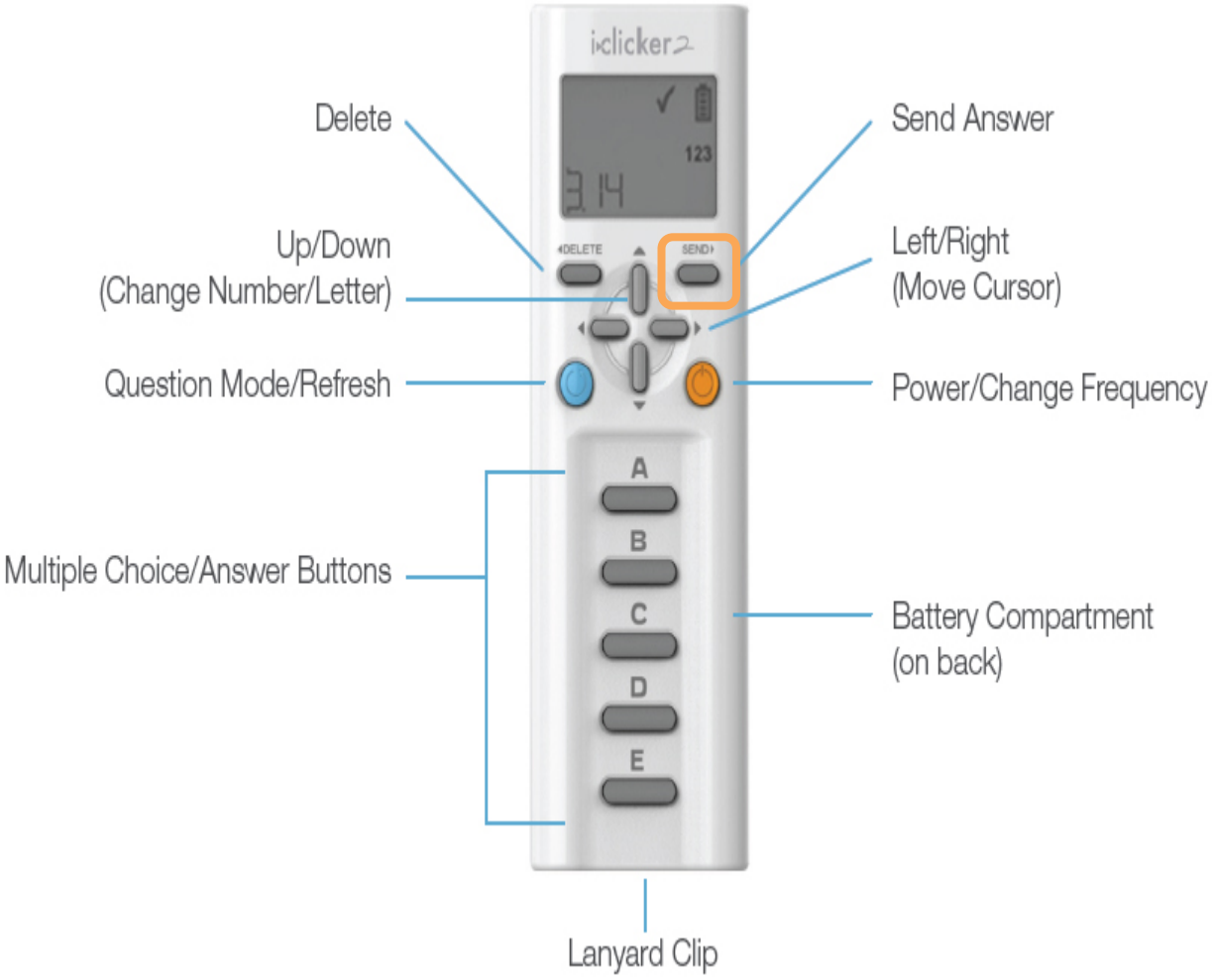
King Saud university, School of medicine

Enter your university ID



Use this channel for Questions & Feedback

* http://todaysmeet.com/EBM

What is mobile platform?

* Platform = a standard for the hardware of a computer system, which determines what kinds of software it can run (Oxford)
  * such as: such as Mac OS, Linux or Windows that controls a desktop computer or laptop
* Mobile platforms:

What is the platform of your phone device?

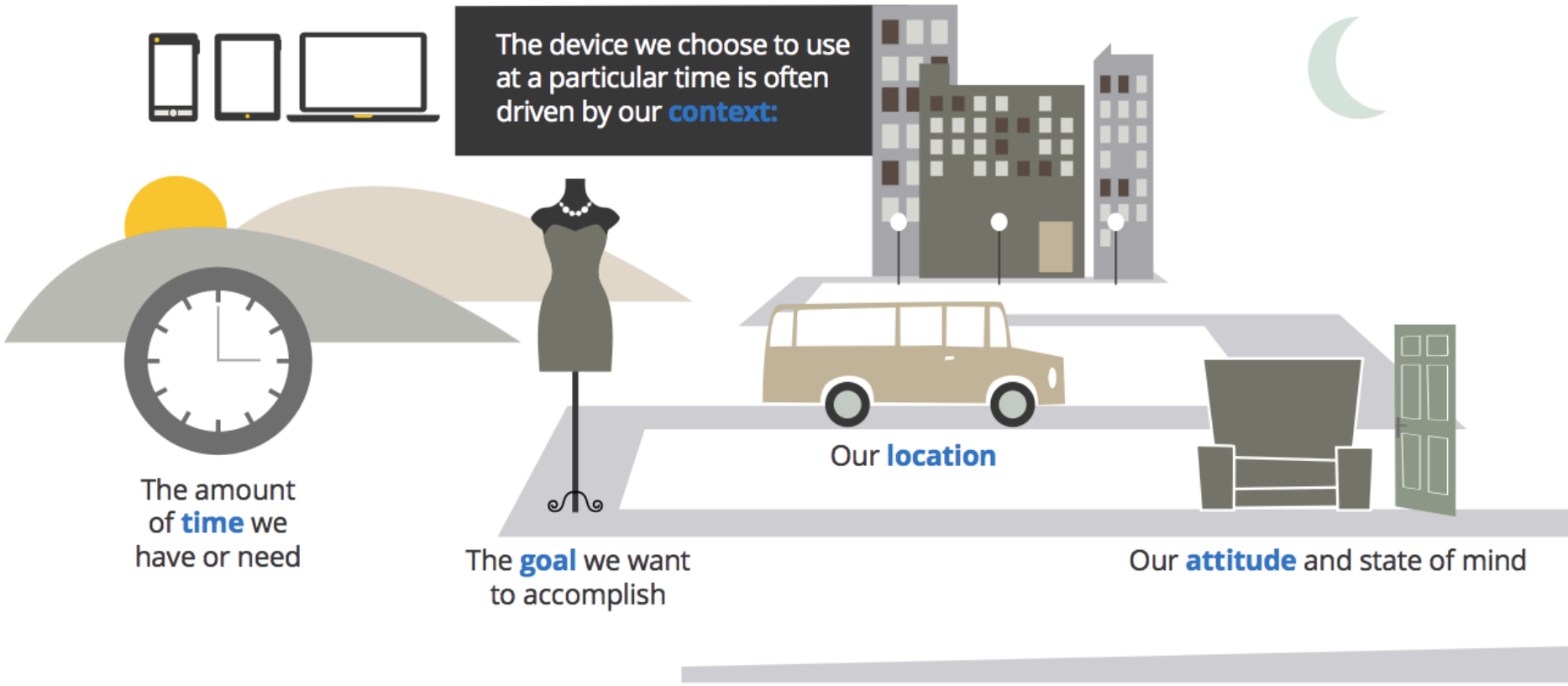
1. Apple iOS (iPhone)
2. Google Android
3. Microsoft Windows Mobile
4. RIM BlackBerry OS
5. Feature phone
6. Other
7. None

What is the platform of your tablet device?

1. Apple iOS (iPad)
2. Google Android
3. Microsoft Windows
4. RIM's BlackBerry OS
5. Other
6. None

Context drives device choice

Today consumers own multiple devices and move seamlessly between them throughout the day

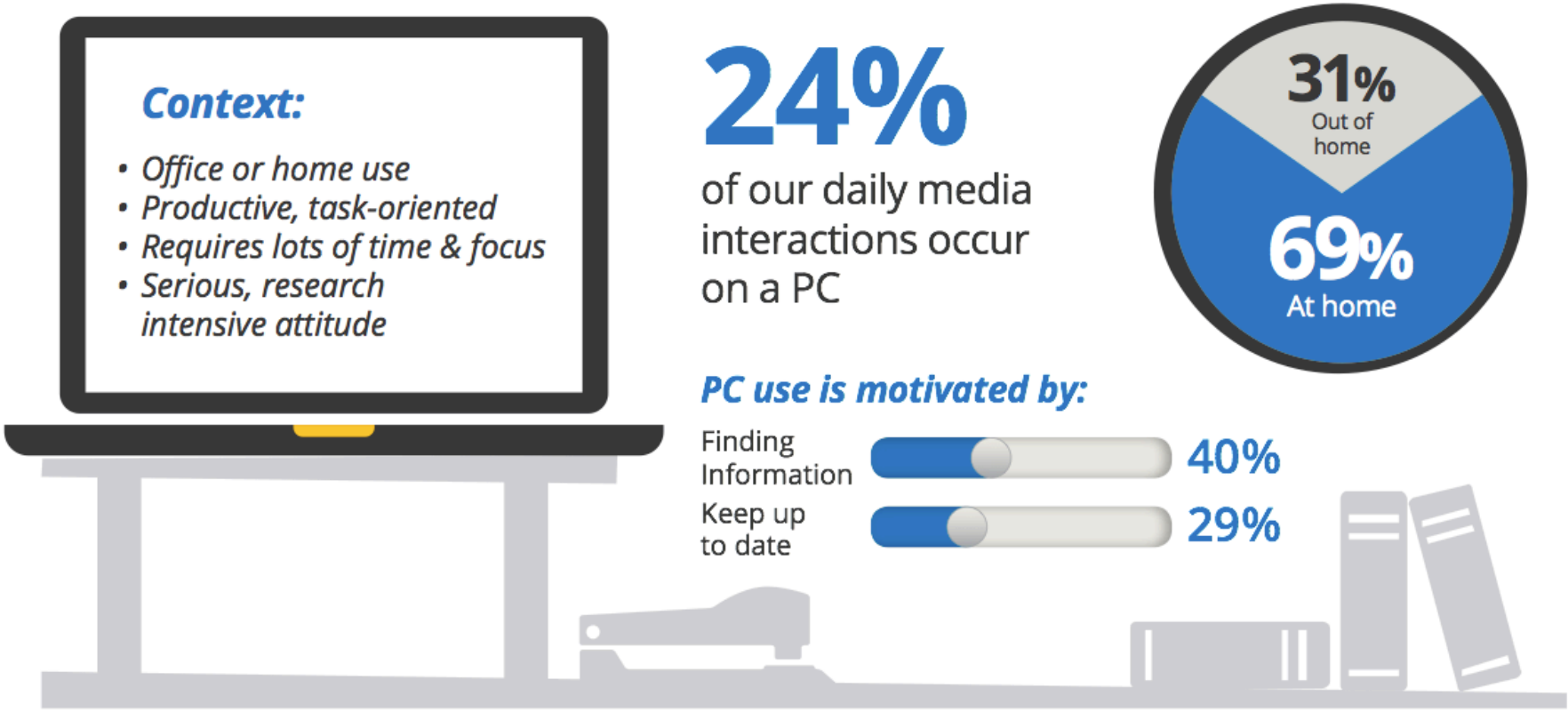


http://services.google.com/fh/files/misc/multiscreenworld_final.pdf

7

Smartphones are the backbone of our daily media interactions. They have the highest number of user interactions per day and serve as the most common starting point for activities across multiple screens

Computers keep us productive and informed



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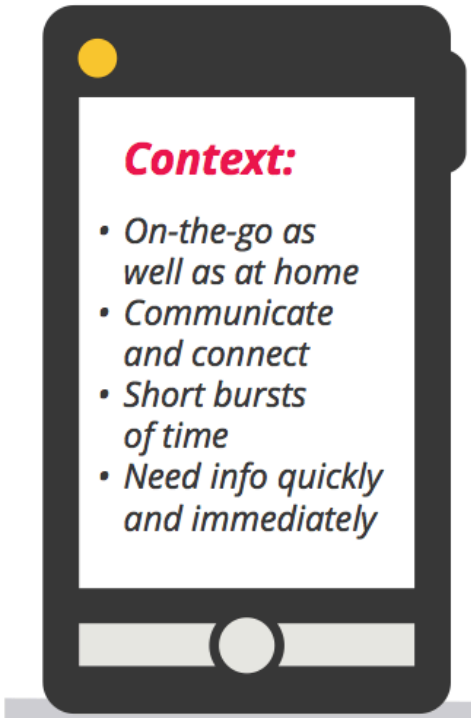
Smartphones keep us connected



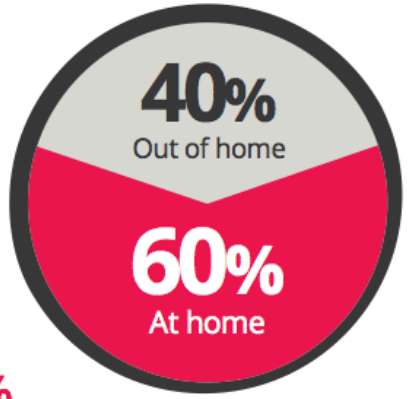
38%

of our daily media interactions occur on a smartphone

Smartphone use is motivated by:

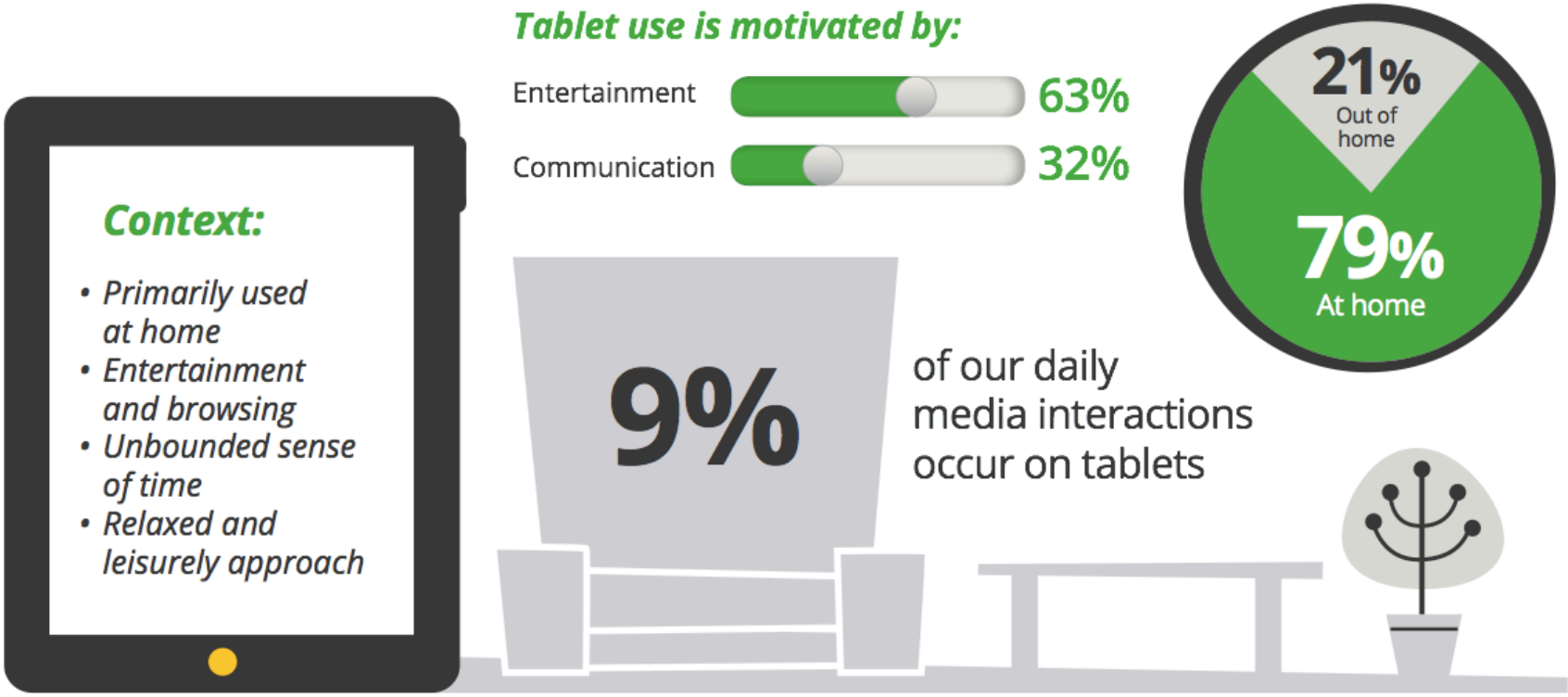
Communication 54%

Entertainment 33%



http://services.google.com/fh/files/misc/multiscreenworld_final.pdf

Tablets keep us entertained



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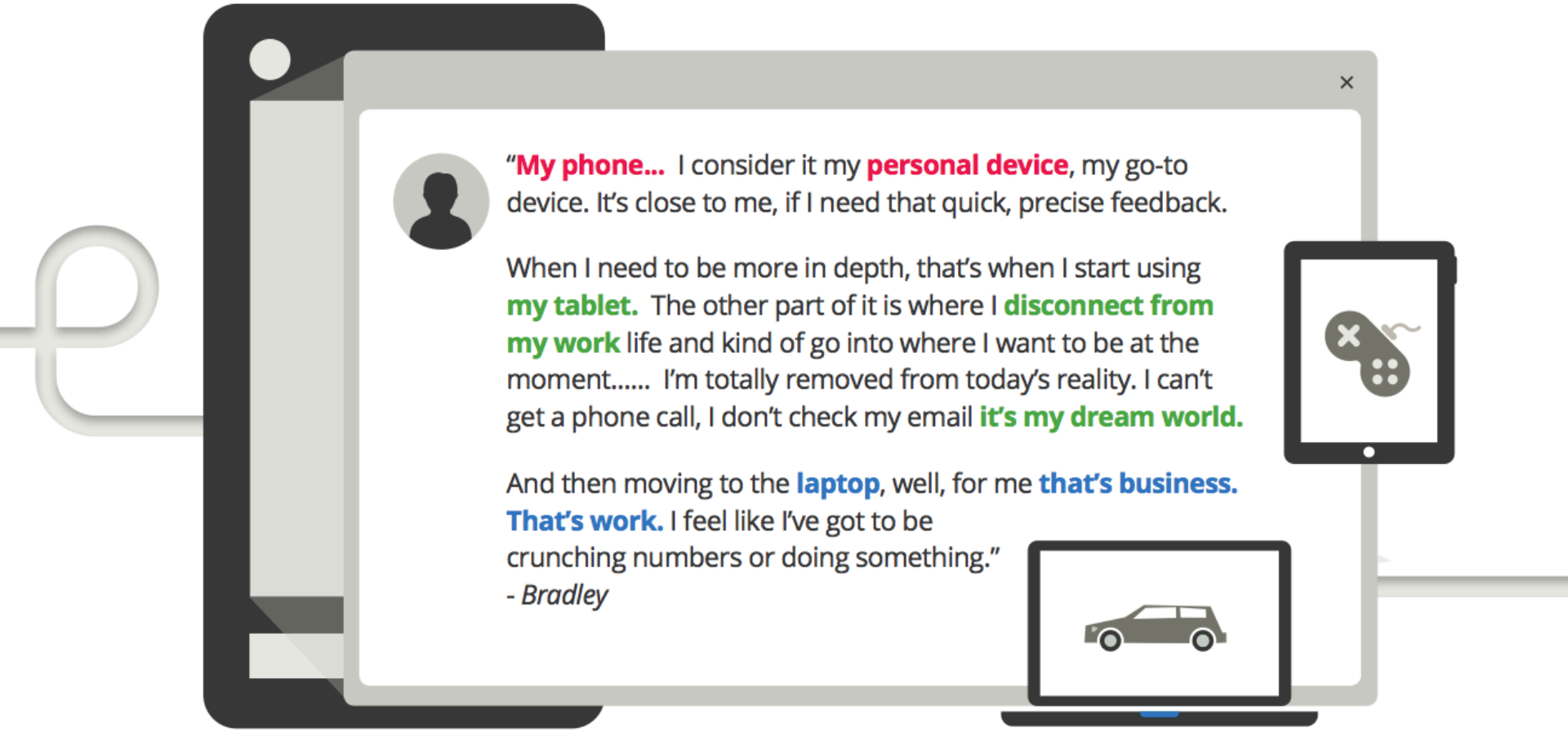
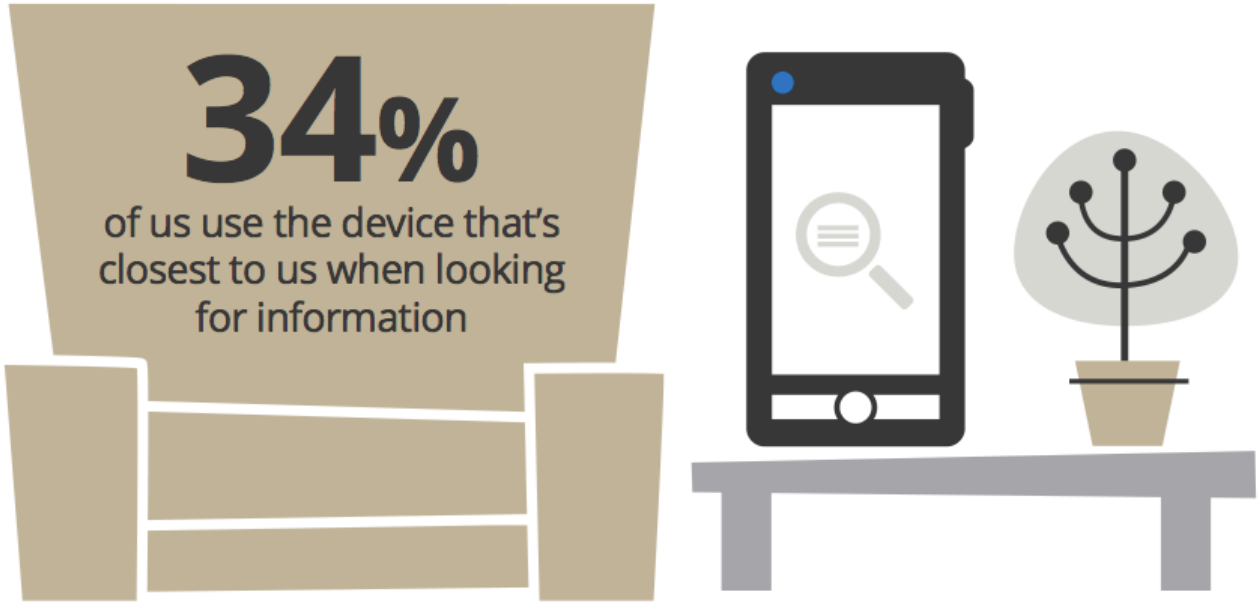
Consumer viewpoints on device differences



http://services.google.com/fh/files/misc/multiscreenworld_final.pdf

Many times we turn to the screen that's closest

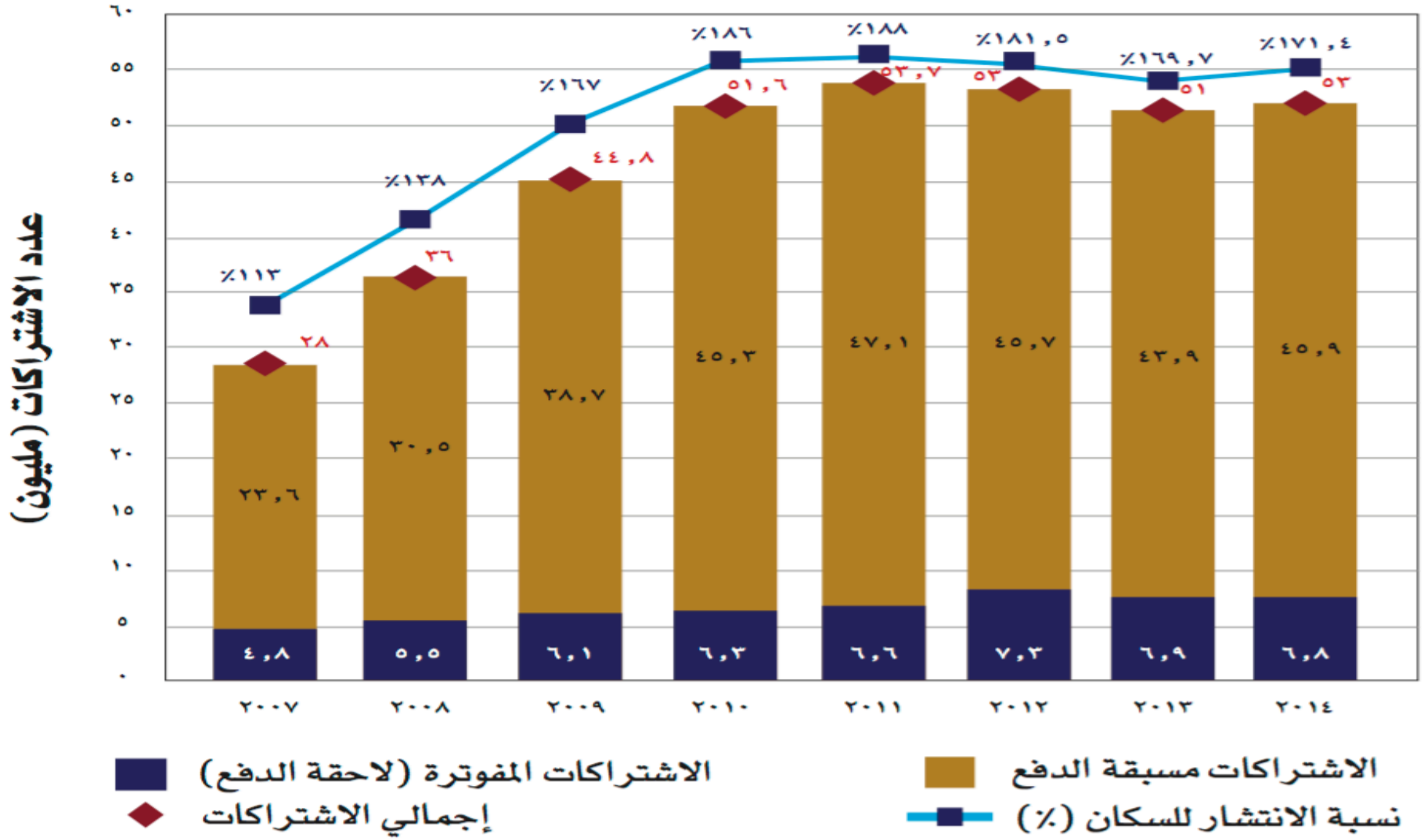
While we all have screen preferences for certain activities,
we are also creatures of convenience



"If I'm watching TV I won't go upstairs to grab my laptop to follow up on a product I see, I'd just pull out my phone." - *Sophie*

http://services.google.com/fh/files/misc/multiscreenworld_final.pdf

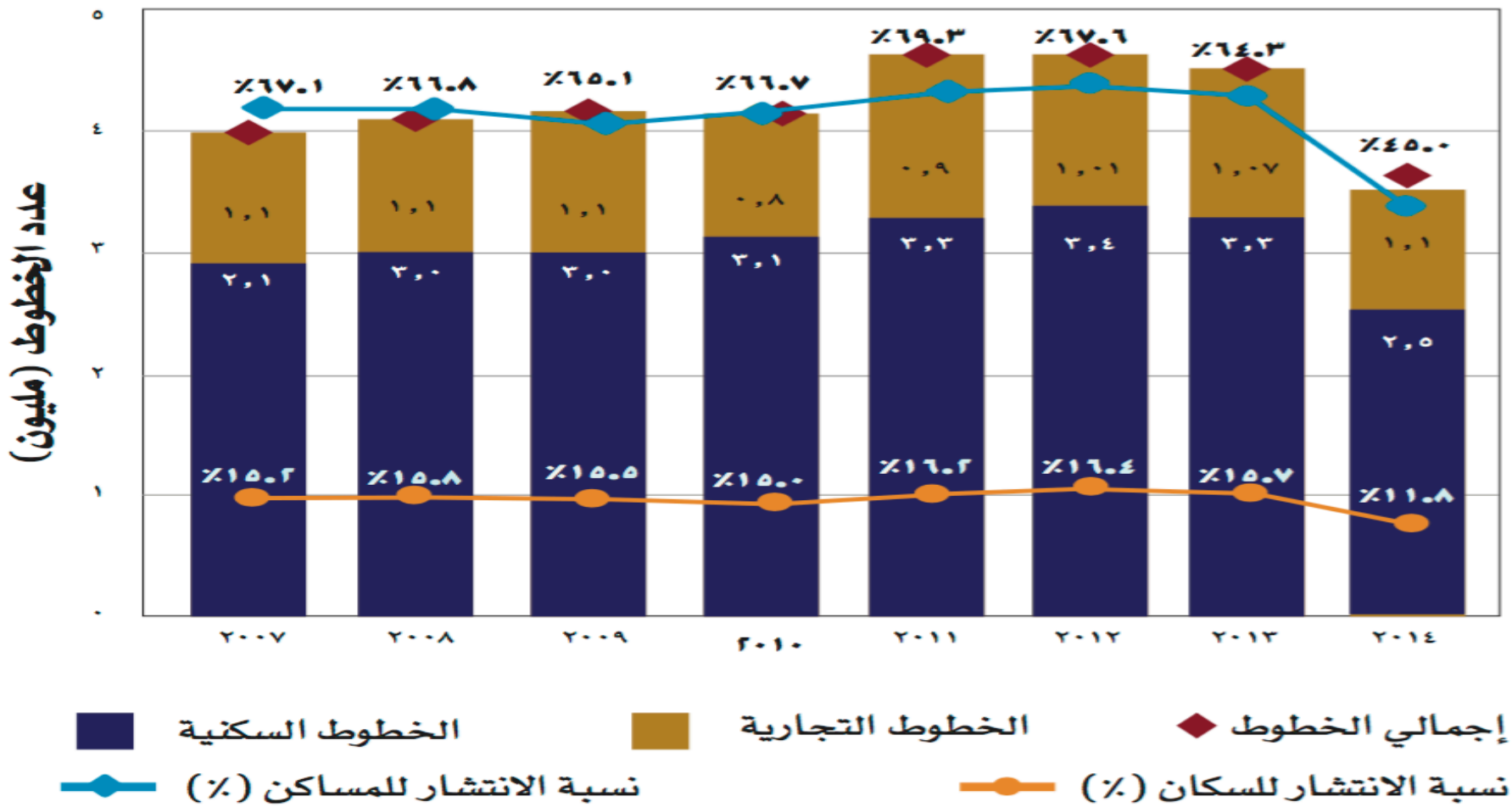
إجمالي الاشتراكات في خدمات الاتصالات المتنقلة



http://www.citc.gov.sa/arabic/MediaCenter/Annualreport/Documents/PR_REP_010A.pdf

الشكل رقم (٦): نمو الاتصالات المتنقلة

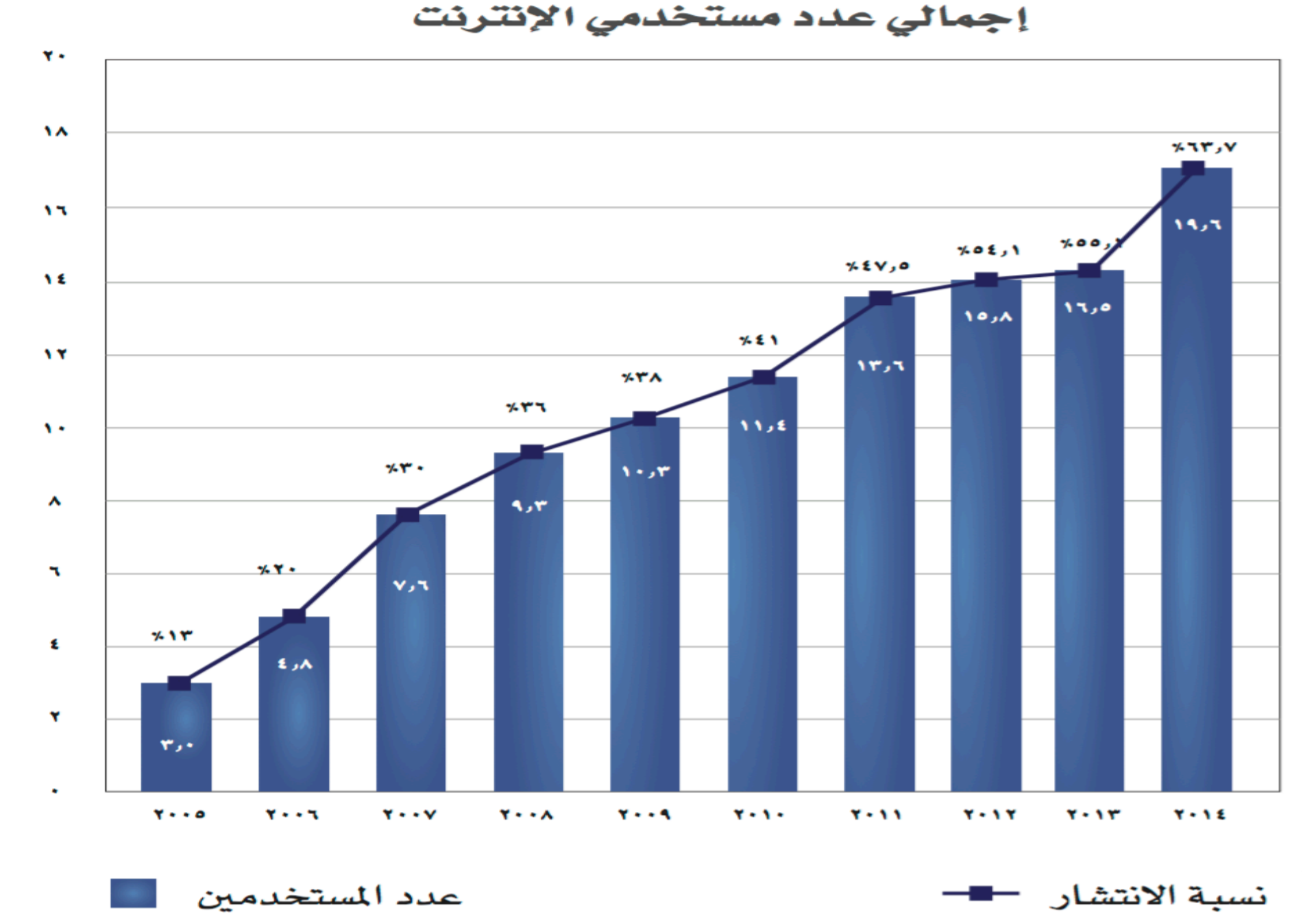
المصدر: هيئة الاتصالات وتقنية المعلومات



الشكل رقم (٧): نمو الاتصالات الثابتة

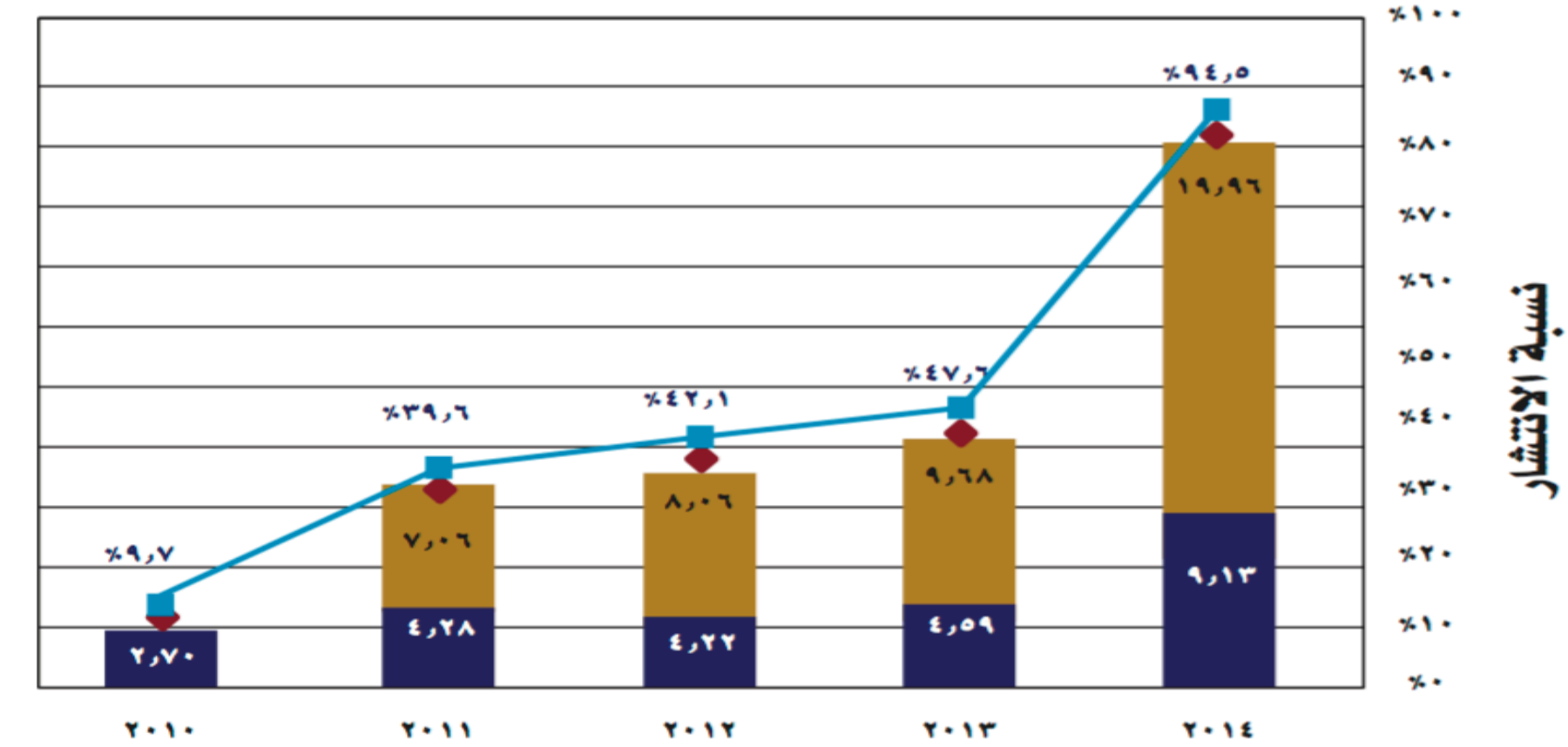
المصدر: هيئة الاتصالات وتقنية المعلومات

ملحوظة: تقاس نسبة الانتشار للسكان بقسمة إجمالي خطوط الهاتف الثابت العاملة على عدد السكان، أما نسبة الانتشار للمساكن؛ فيتم حسابها بقسمة عدد الخطوط السكنية على عدد المساكن.



الشكل رقم (١٠): نمو خدمات الإنترنت

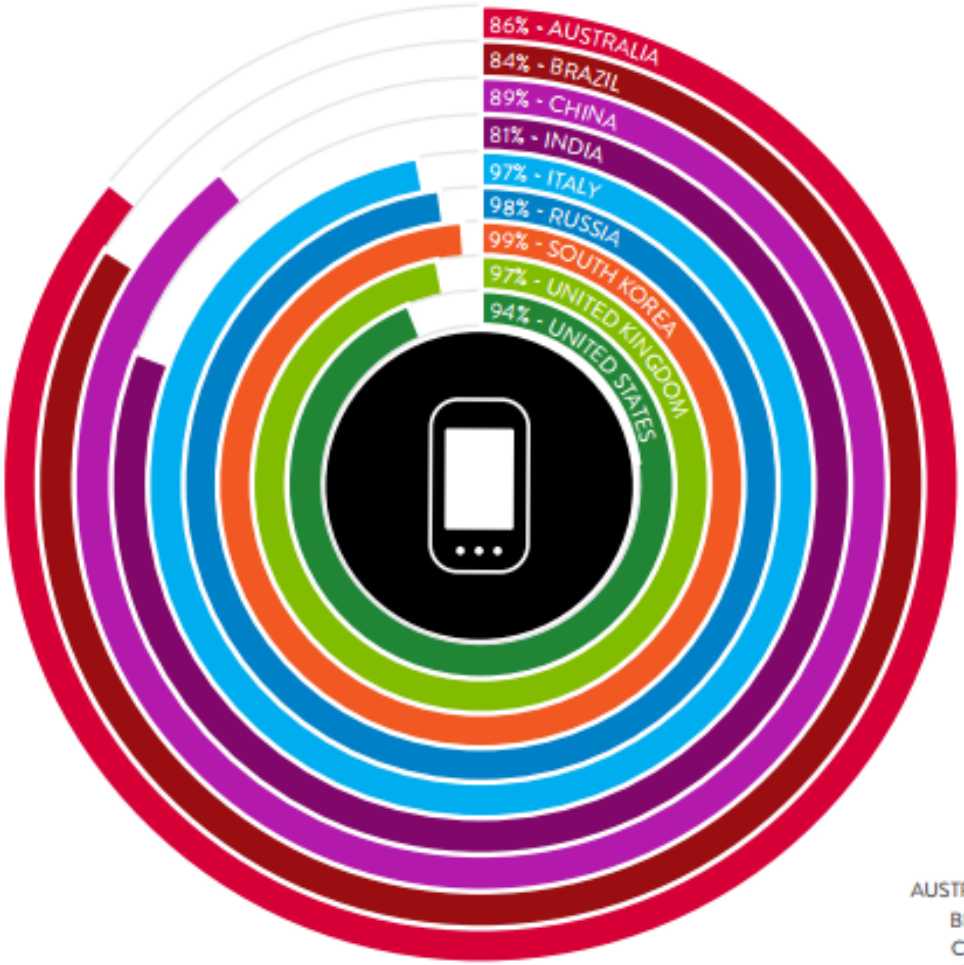
إجمالي الاشتراكات في خدمات النطاق العريض عبر شبكات الاتصالات المتنقلة



الشكل رقم (٩): نمو خدمات النطاق العريض

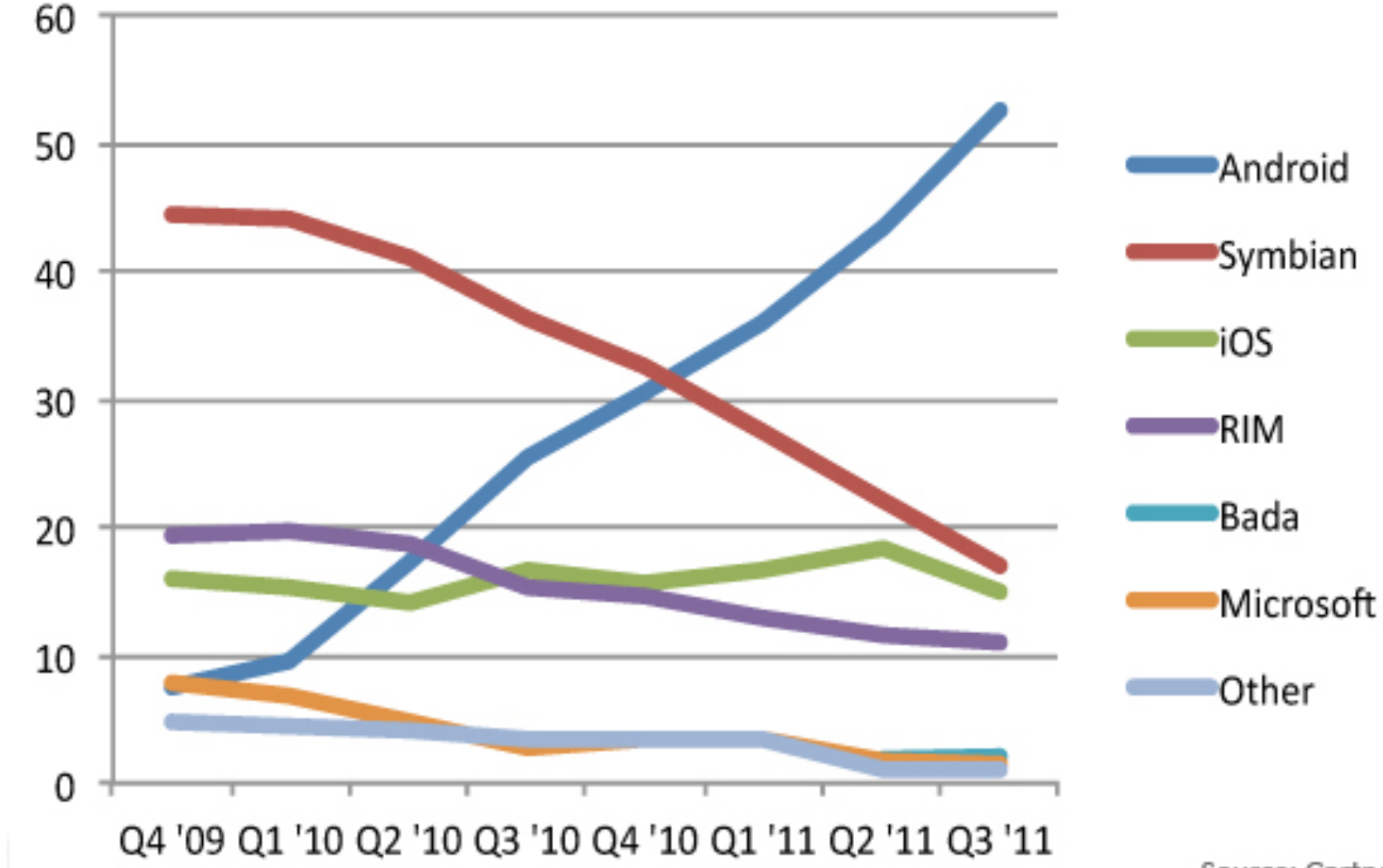
HOW MANY OF US USE A MOBILE PHONE?

AMONG CONSUMERS AGES 16+

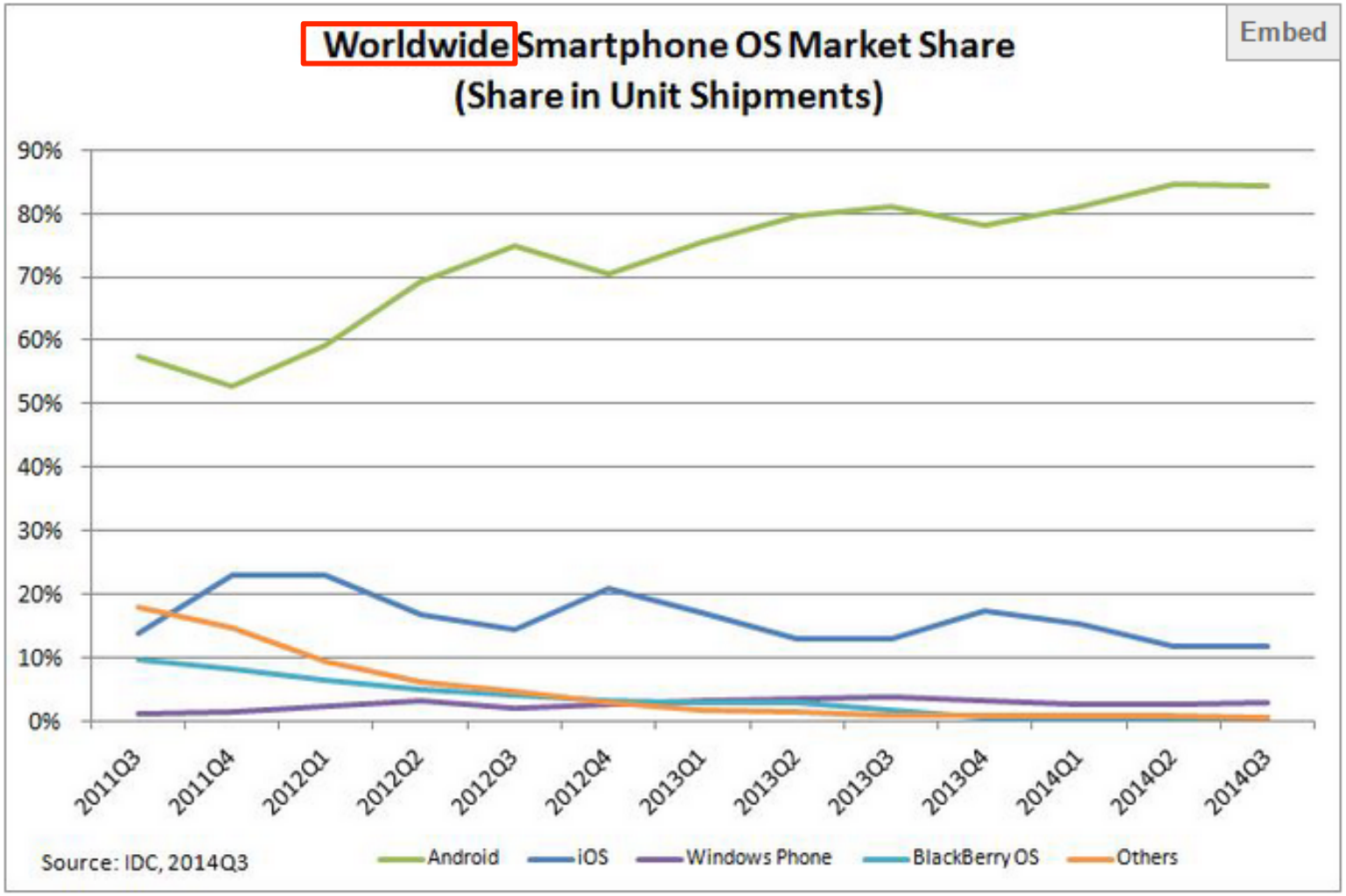


Sources: Nielsen Global Smartphone Insights, first half of 2012; Nielsen Mobile Insights, 2012
Note: Total mobile penetration not available for Turkey.

Market Share For Smartphone Operating Systems

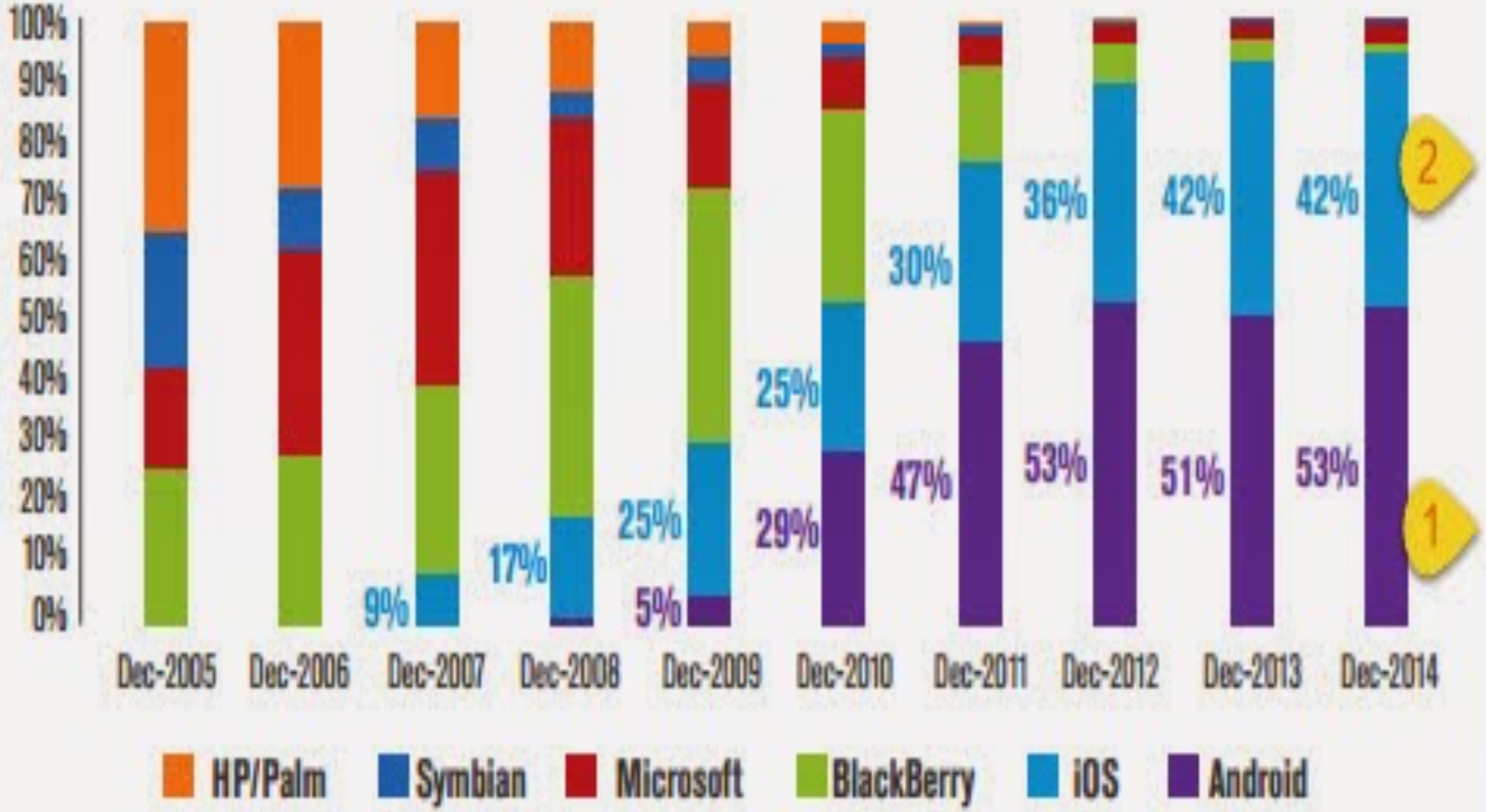


Source: Gartner

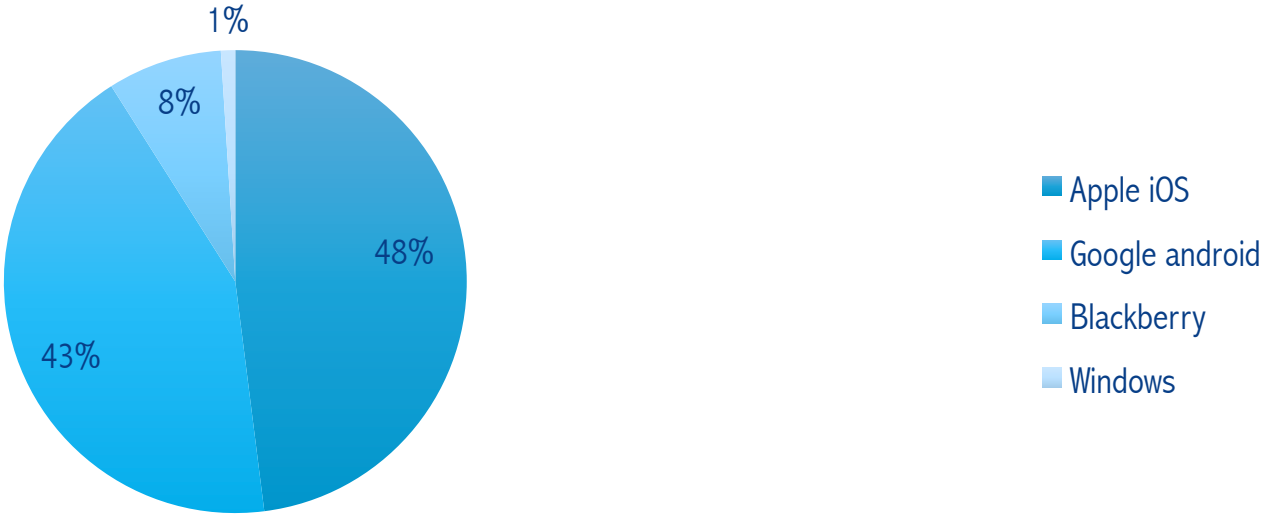

Worldwide Smartphone OS Market Share
(Share in Unit Shipments)
Embed
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
2011Q3
2011Q4
2012Q1
2012Q2
2012Q3
2012Q4
2013Q1
2013Q2
2013Q3
2013Q4
2014Q1
2014Q2
2014Q3
Source: IDC, 2014Q3
Android
iOS
Windows Phone
BlackBerry OS
Others

Smartphone Platform Market Share

Source: **comScore MobiLens**, U.S., Age 13+, 3 Mo. Avg. Ending Dec 2005 - 3 Mo. Avg. Ending Dec 2014



Smartphone platform types



Tablet platform types

Jamal A, et al. Use of Medical Applications And Tools in Smartphones And Tablets Among King Saud University Medical Students: A Cross Sectional Study. JMIR Mhealth Uhealth. 2013.

iPhone VERSUS Android

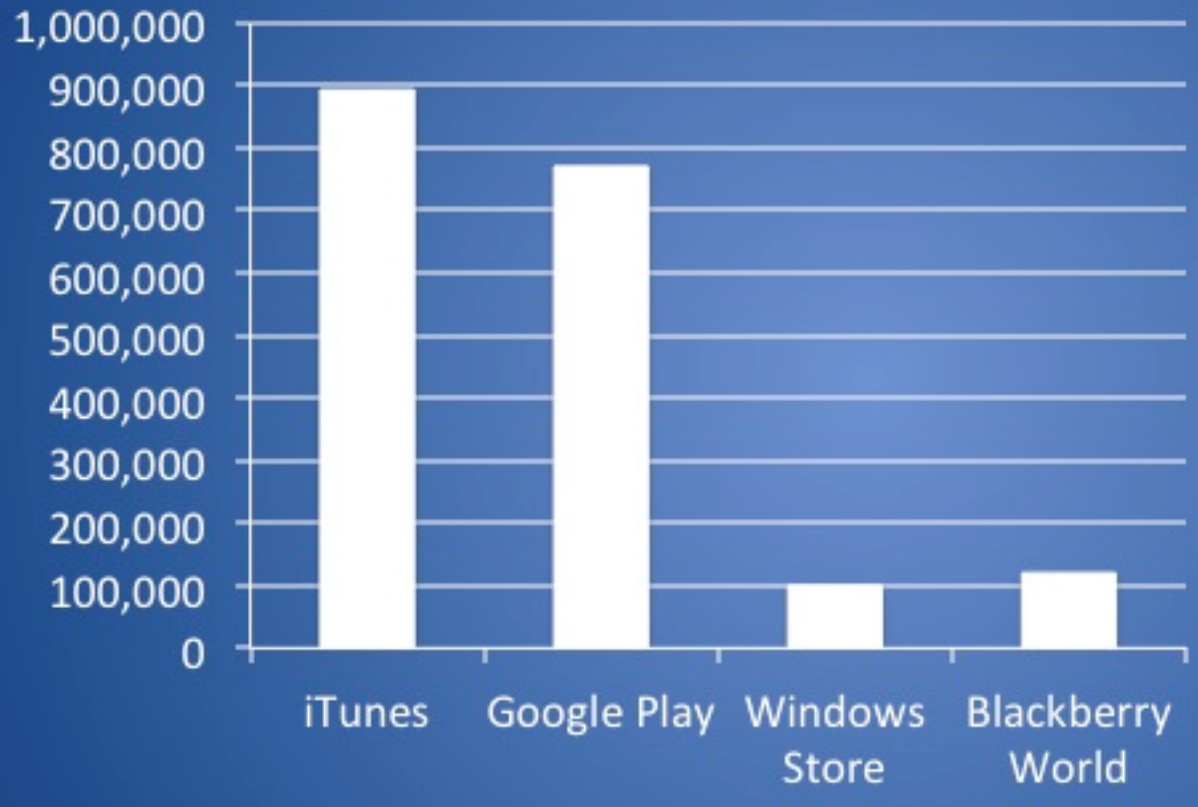
SMARTPHONE OS SHOOTOUT

	iPhone	Android
Ease of Use	✓	
Openness		✓
Battery Life	✓	
Multitasking	✓	✓
Software Keyboard	✓	✓
System-Wide Search	✓	✓
Notification System		✓
Voice-to-Text		✓
Syncing		✓
Non-Google Syncing	✓	
Tethering		✓
Release/Update Consistency	✓	
Customizable		✓
Apps	✓	✓
Web Browsing	✓	✓
Gaming	✓	
Music Player	✓	
Free Turn-by-Turn Navigation		✓
Google Apps Integration		✓
Google Voice		✓

lifehacker

The Current State of Mobile Medical Applications

Number of Mobile Applications by Store



Dominant Mobile Stores

iTunes

Windows 8

Google play

BlackBerry World

Upcoming Mobile Device Makers

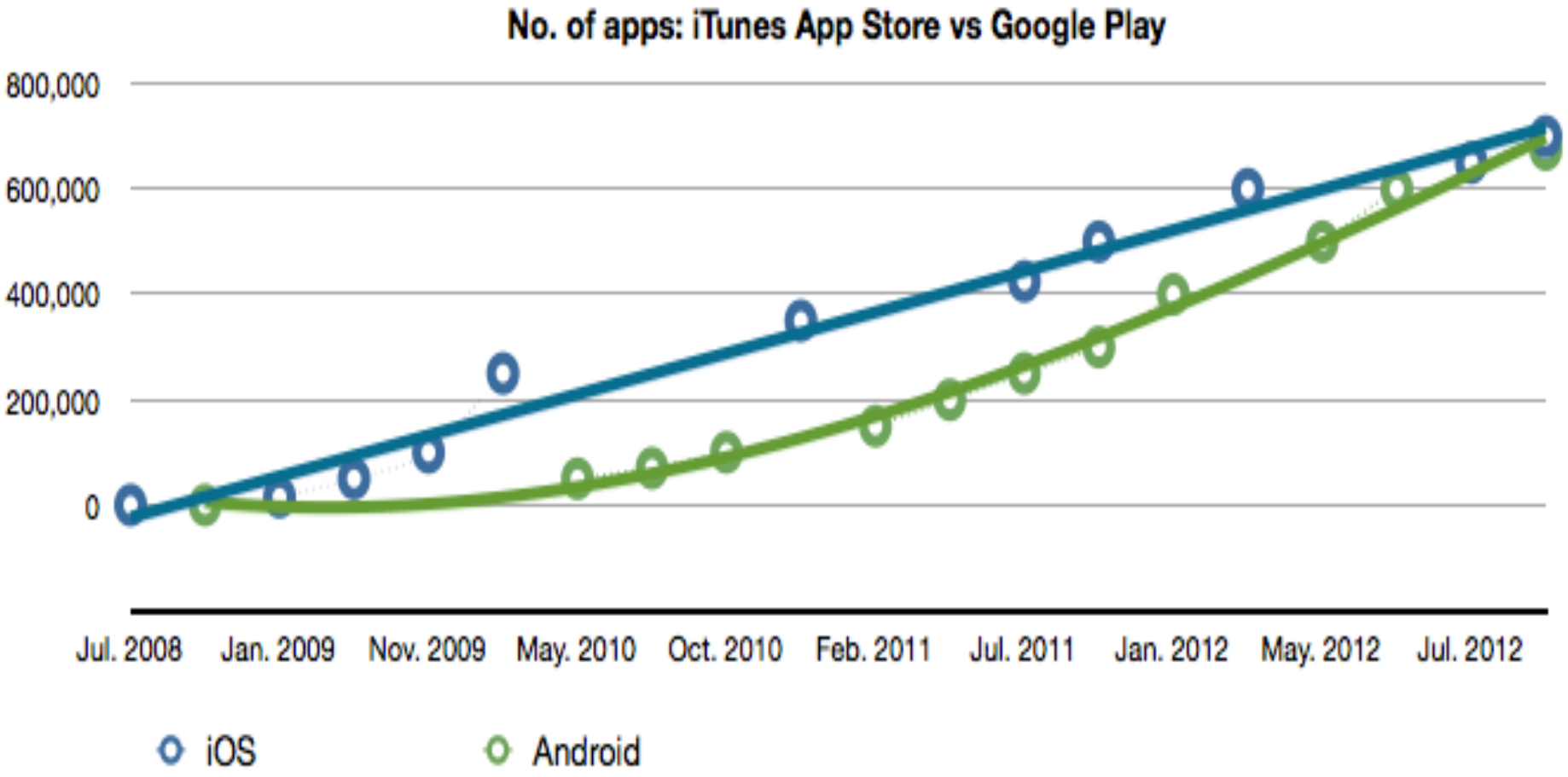
Firefox

Hewlett-Packard

Number of Medical Applications by Store

iMedicalApps.com

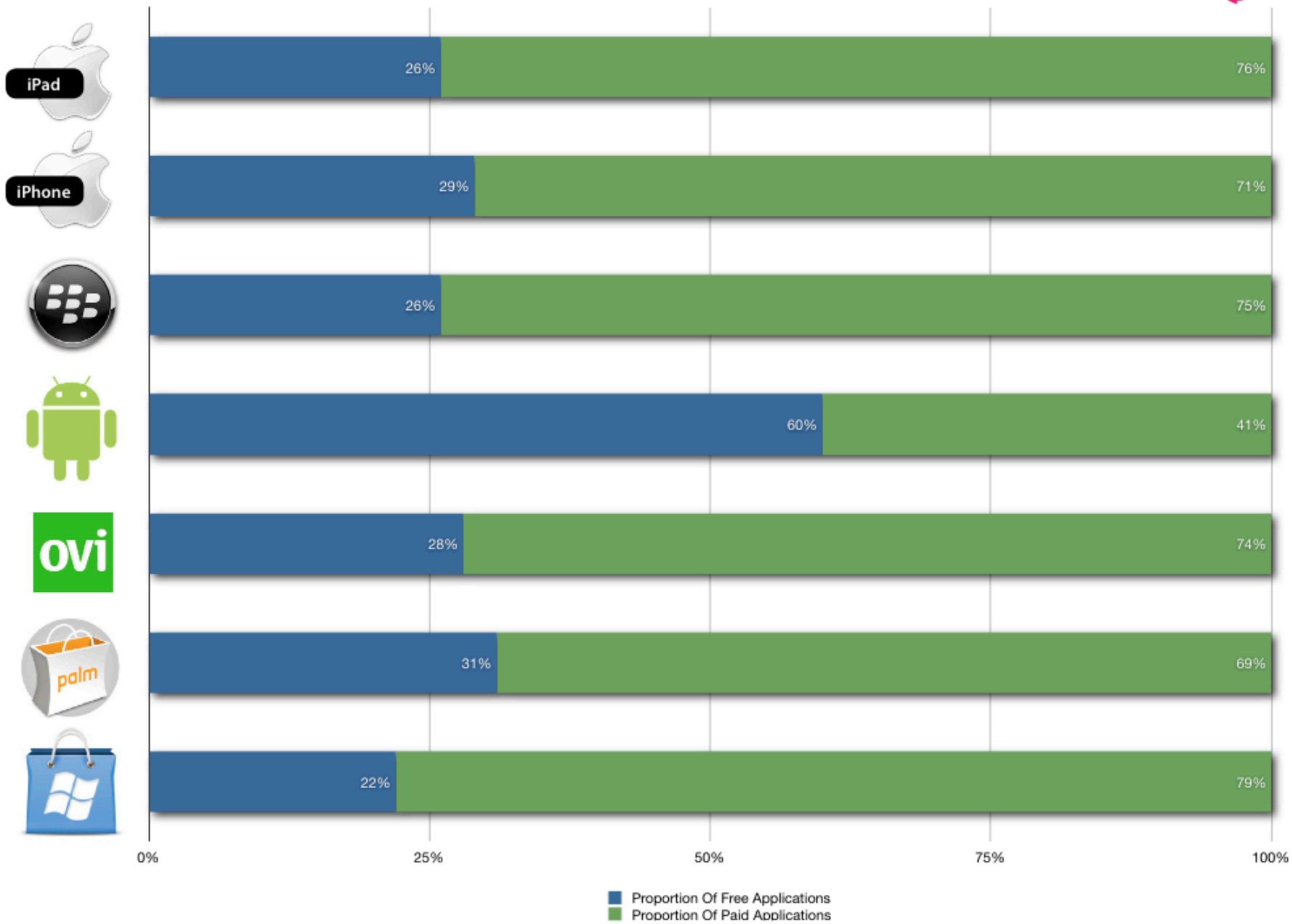
References:
Apple Stats – 148app.biz
Android Stats – Appbrain.com



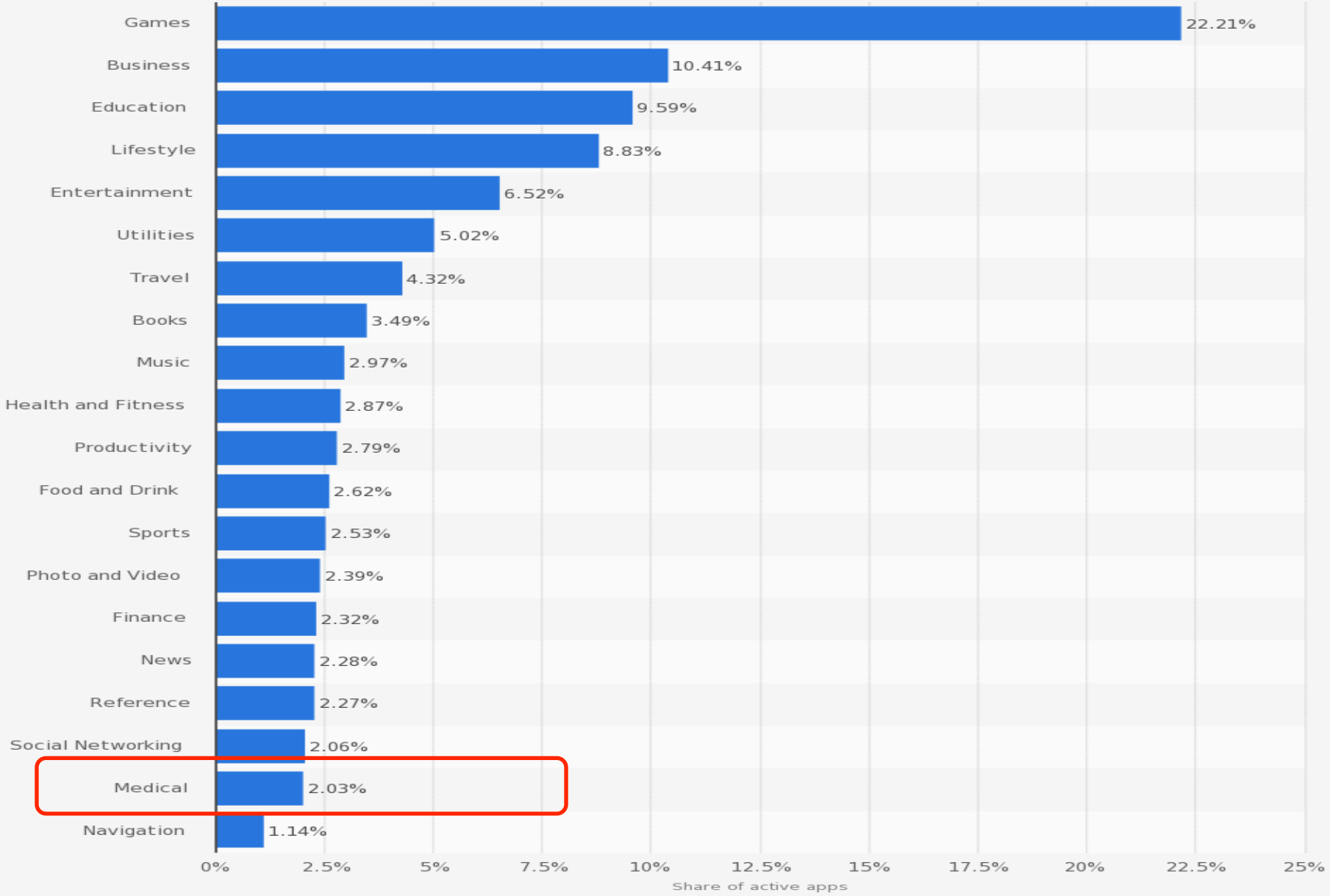
http://www.insidemobileapps.com/2012/09/26/tracking-growth-the-itunes-app-store-vs-google-play/

Proportion Free vs. Paid (US, July 2010)

DISTIMO



Most popular Apple App Store categories in September 2015, by share of available apps



Source:
PocketGamer.biz
© Statista 2015

Additional Information:
Worldwide; PocketGamer.biz; September 2015; Current active applications

statista

Category statistics table

The following table shows the following data for all Android app categories:

- The total number of apps in this category
- The average star rating
- The number and percentage of apps in the category that have more than 50,000 downloads
- The number and percentage of paid apps in this category
- The average price for paid apps in this category
- The number and percentage of low quality apps in this category

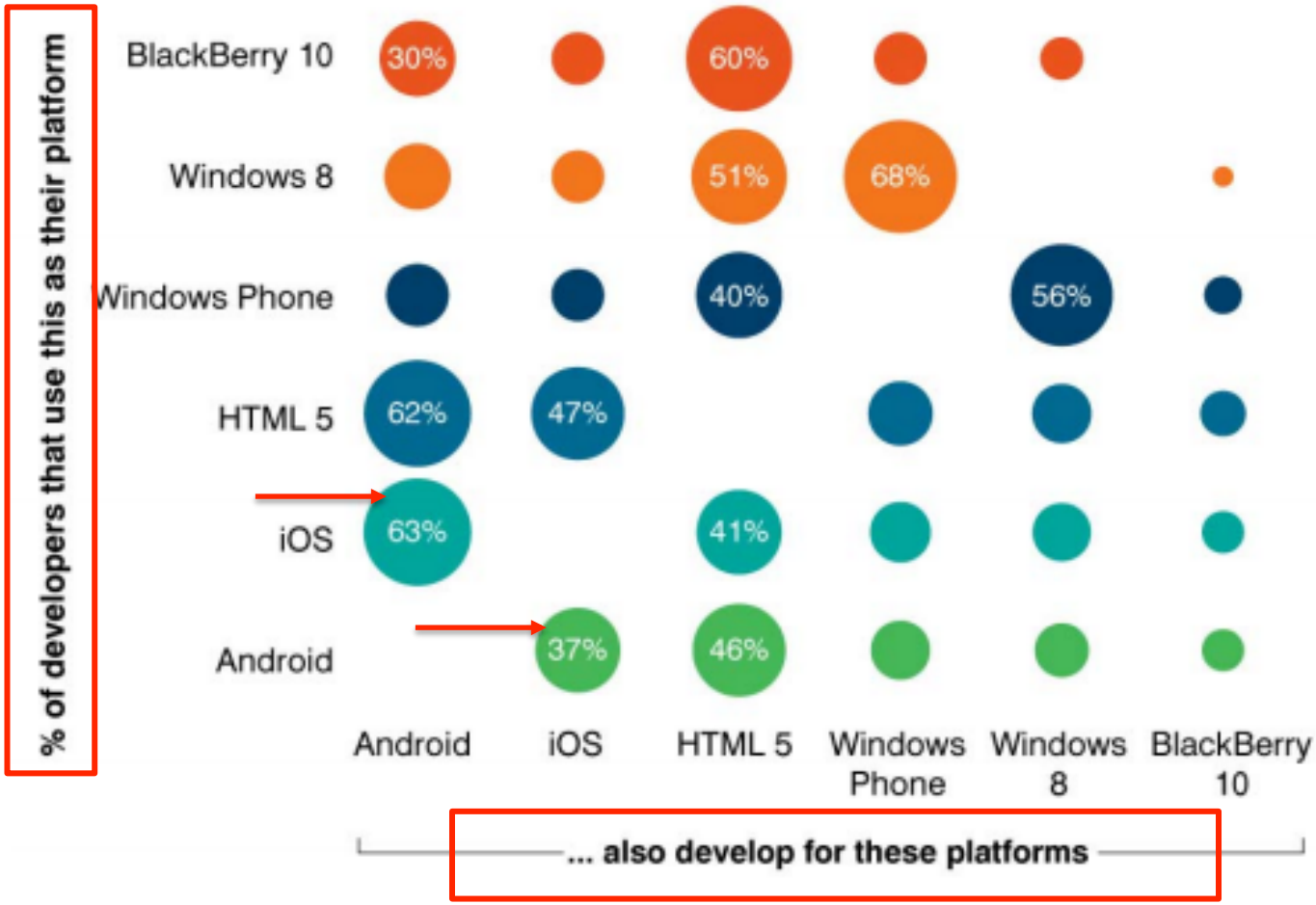
This table was last updated on October 25, 2013.

Android applications

Category name	All apps	Average rating	Apps with >50K downloads	Paid apps	Average price	Low quality apps
Books & Reference	63010	4.2	2599 (4 %)	19884 (32 %)	$ 4.35	25628 (41 %)
Business	35939	4.0	597 (2 %)	1805 (5 %)	$ 6.30	12730 (35 %)
Comics	6404	4.1	561 (9 %)	1819 (28 %)	$ 3.13	2004 (31 %)
Communication	17870	4.0	1973 (11 %)	2486 (14 %)	$ 2.66	2157 (12 %)
Education	55490	4.2	2696 (5 %)	13804 (25 %)	$ 4.63	14026 (25 %)
Entertainment	92098	4.0	7454 (8 %)	13143 (14 %)	$ 1.97	20412 (22 %)
Finance	17842	4.0	1144 (6 %)	1589 (9 %)	$ 4.52	1952 (11 %)
Health & Fitness	22637	3.9	1321 (6 %)	4324 (19 %)	$ 3.24	6717 (30 %)
Lifestyle	59937	4.0	3664 (6 %)	9111 (15 %)	$ 3.38	16941 (28 %)
Media & Video	18433	3.9	1936 (11 %)	2031 (11 %)	$ 4.16	3656 (20 %)
Medical	9619	4.0	363 (4 %)	2675 (28 %)	$ 10.94	2712 (28 %)
Music & Audio	39327	4.2	2490 (6 %)	3944 (10 %)	$ 2.42	6779 (17 %)
News & Magazines	24870	3.9	1398 (6 %)	1009 (4 %)	$ 2.17	5208 (21 %)
Personalization	84761	4.3	5808 (7 %)	29858 (35 %)	$ 1.44	21899 (26 %)
Photography	10587	4.0	1608 (15 %)	1640 (15 %)	$ 2.87	1873 (18 %)
Productivity	21939	4.0	1793 (8 %)	4625 (21 %)	$ 3.24	2161 (10 %)
Shopping	13023	3.9	836 (6 %)	537 (4 %)	$ 2.50	2999 (23 %)
Social	17994	4.0	1492 (8 %)	1330 (7 %)	$ 2.62	2405 (13 %)
Sports	23448	4.1	1040 (4 %)	3771 (16 %)	$ 2.98	5239 (22 %)
Tools	56509	4.0	5621 (10 %)	9913 (18 %)	$ 2.51	5130 (9 %)
Transportation	9743	3.9	814 (8 %)	1217 (12 %)	$ 5.12	1170 (12 %)
Travel & Local	40504	3.9	1419 (4 %)	10398 (26 %)	$ 3.59	14909 (37 %)
Weather	3549	4.1	517 (15 %)	499 (14 %)	$ 2.07	251 (7 %)
Libraries & Demo	3542	4.0	231 (7 %)	260 (7 %)	$ 3.14	559 (16 %)

MULTI PLATFORM DEVELOPERS: HOW THEY MIX AND MATCH PLATFORMS

% of respondents using each platform, by primary platform (n=6,311)



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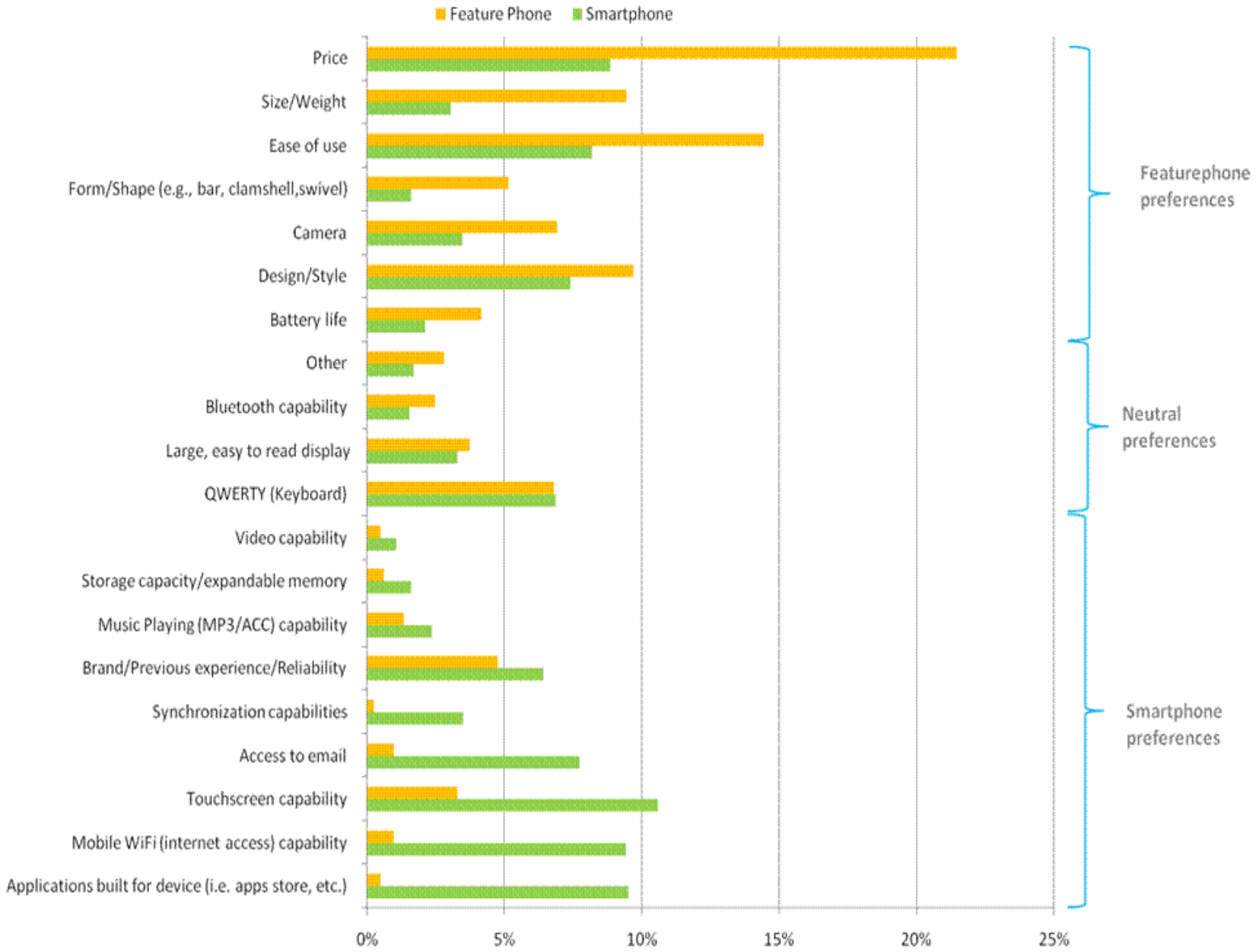
Source: Developer Economics Q1 2014 | www.DeveloperEconomics.com/go

What is the top reason for selecting your current phone?

1. Applications built for device
2. Internet/email access
3. Touchscreen
4. Synchronization
5. Brand / Reliability
6. multimedia capability
7. Keyboard
8. Large screen, easy to read
9. Battery life
10. Small size/weight
11. Price

Top Reasons for Choosing Device -Smartphone vs Feature Phone

Selected as first, second or third reason for choosing, Nielsen Mobile Insights



What were the top 3 reasons for selecting your current cell phone?

Medical professionals values of using smartphone

* The fastest approach to the right updated information at the right time in the point-of-care based on the best available evidence to support the best decision for care

Which Device is better?

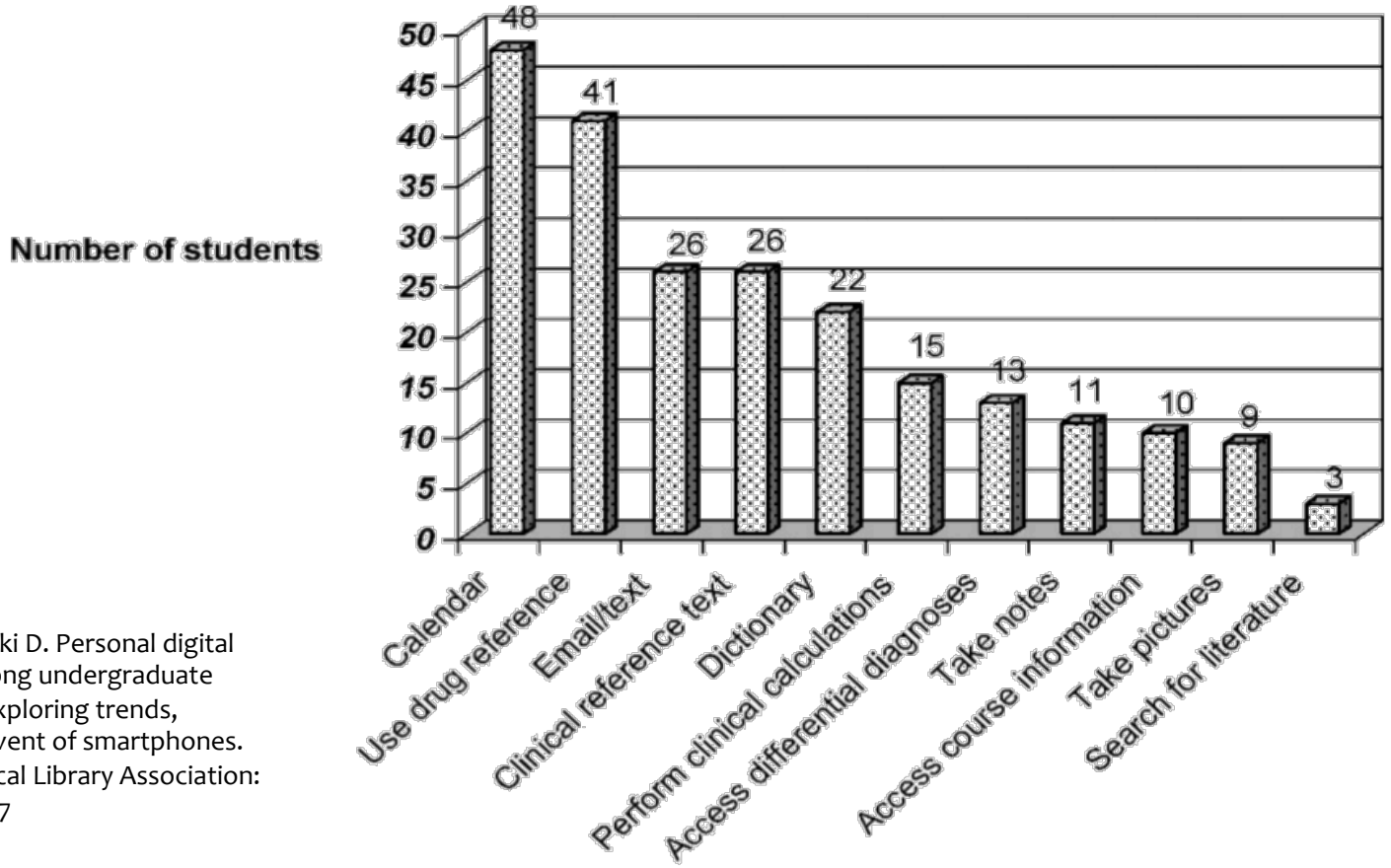
* Determine which applications you will need first
* Use different devices if possible before purchasing
* Prominence of a particular device in your environment
* Memory
* Wireless / 3G access availability
* Your keyboard style
* Size & weight

What do you use your smartphone for in your medical practice?

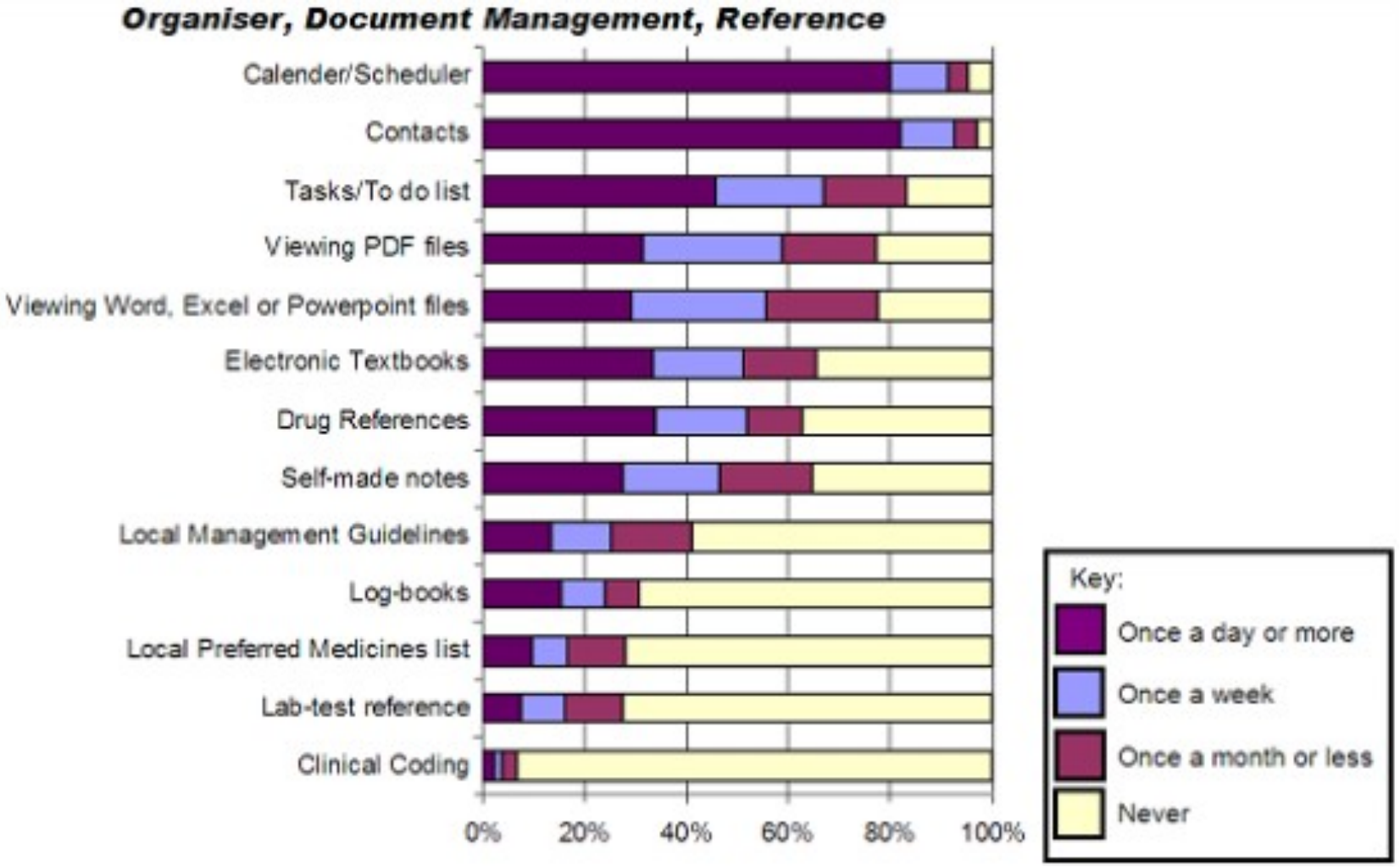
1. Clinical drug references
2. Medical dictionaries
3. Electronic prescription tools
4. Clinical textbooks
5. Patient tracking
6. Medical Calculators
7. Evidence based references
8. Search for literature

What do use your smartphone for?

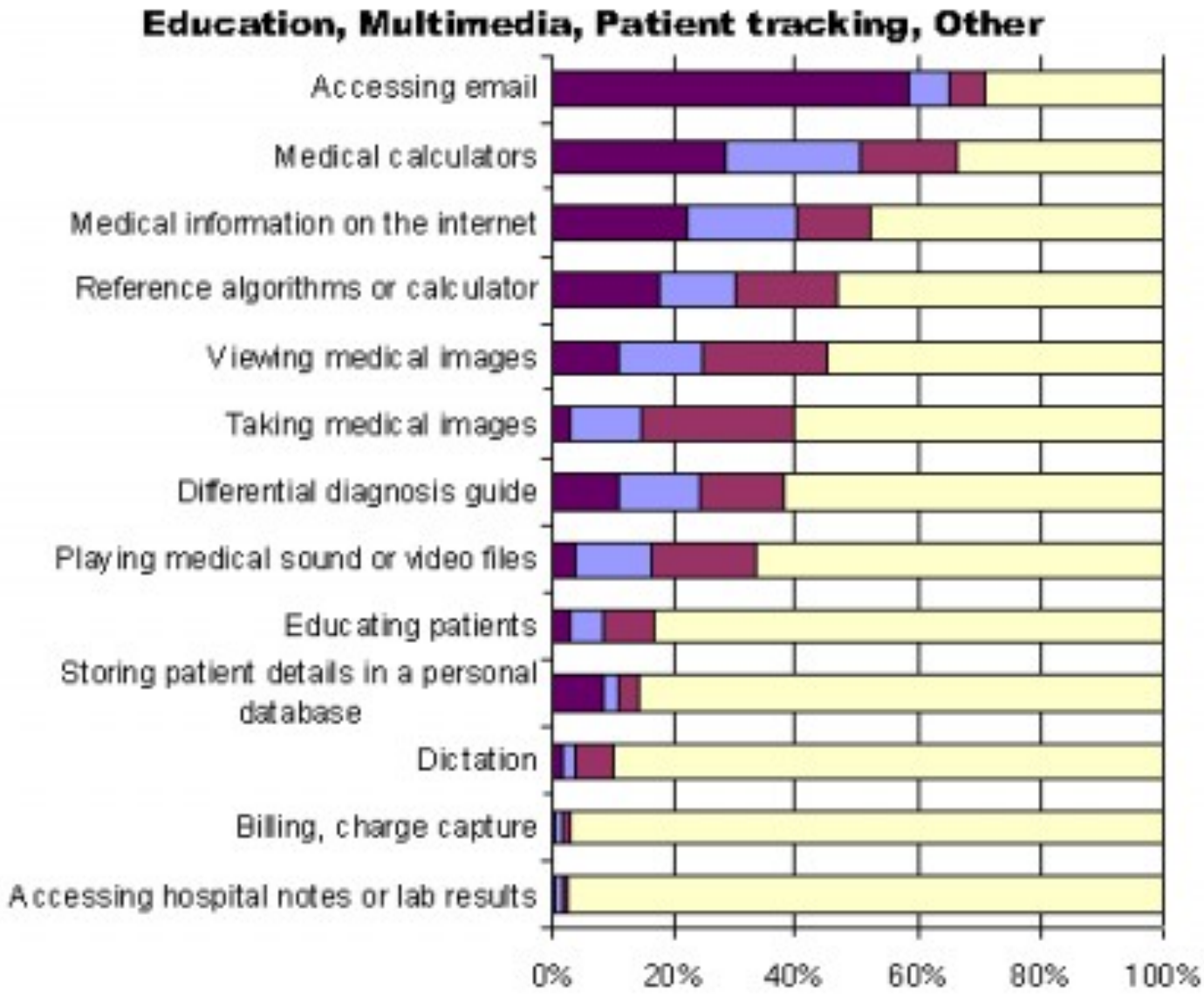
Figure 1
Common uses of personal digital assistants (PDAs) among medical students (n=53)



Chatterley T, Chojecki D. Personal digital assistant usage among undergraduate medical students: exploring trends, barriers, and the advent of smartphones. Journal of the Medical Library Association: JMLA. 2010;98(2):157



Journal of the New Zealand Medical Association, 30-March-2012, Vol 125 No 1352



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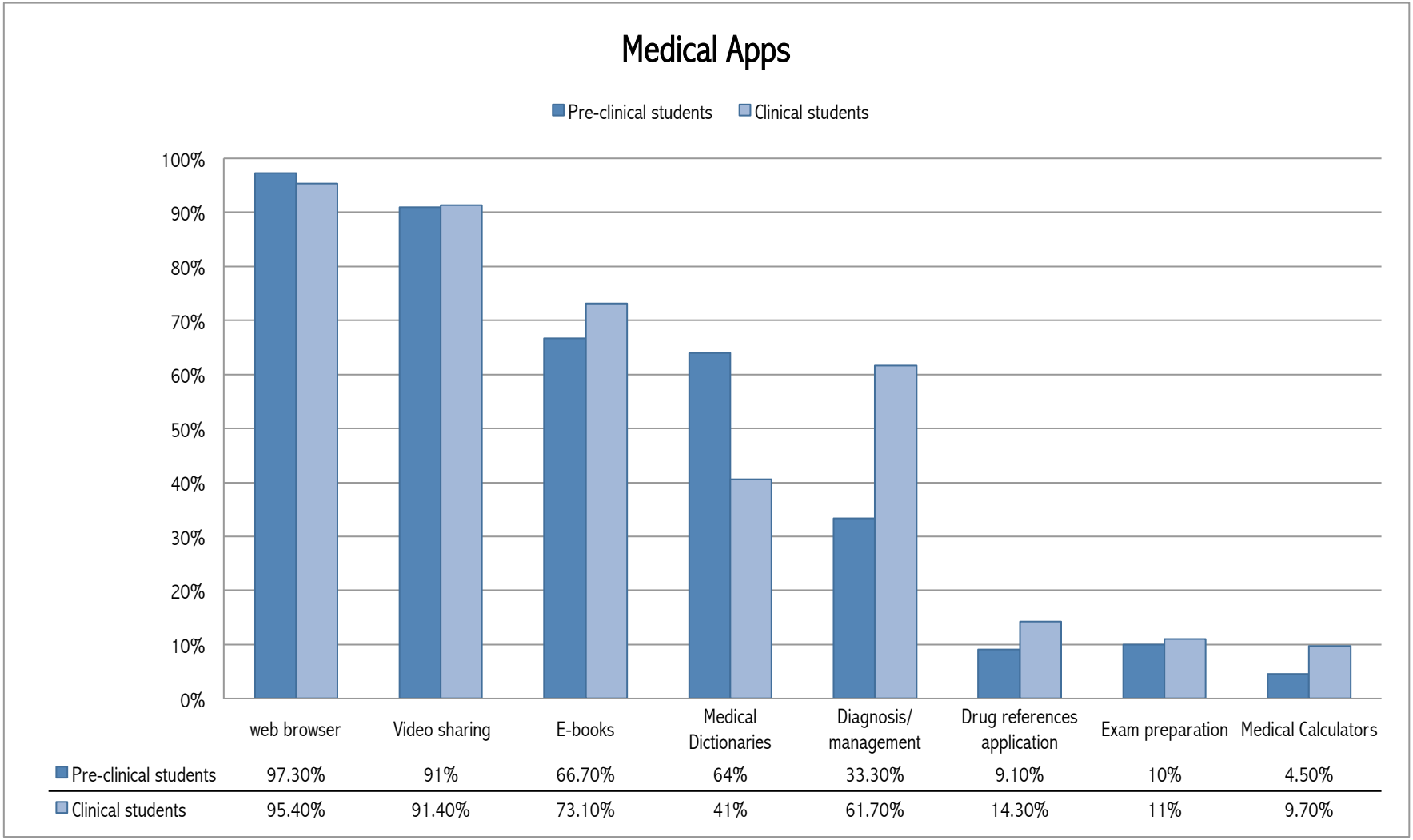

Figure 2: medical-practice-related non-communication apps/tools

Jamal A, et al. Use of Medical Applications And Tools in Smartphones And Tablets Among King Saud University Medical Students: A Cross Sectional Study
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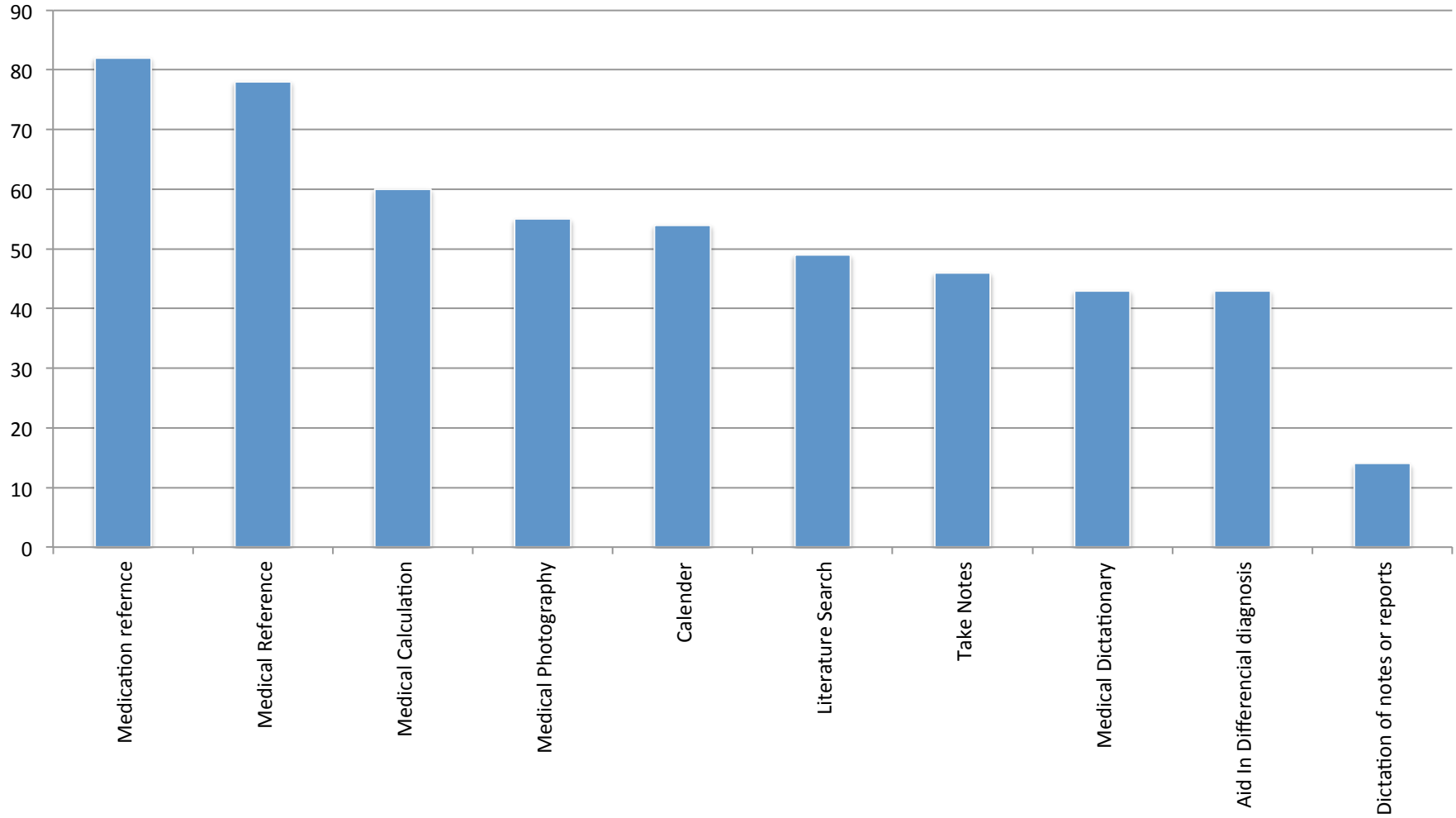


Figure 2: medical-practice-related non-communication apps/tools

Jamal A, Temsah M-H, Khan SA, Al-Eyadhy A, Koppel C, Chiang M. Smartphone use among medical residents: a cross sectional multicenter survey in Saudi Arabia. JMIR Mhealth Uhealth. 2015.

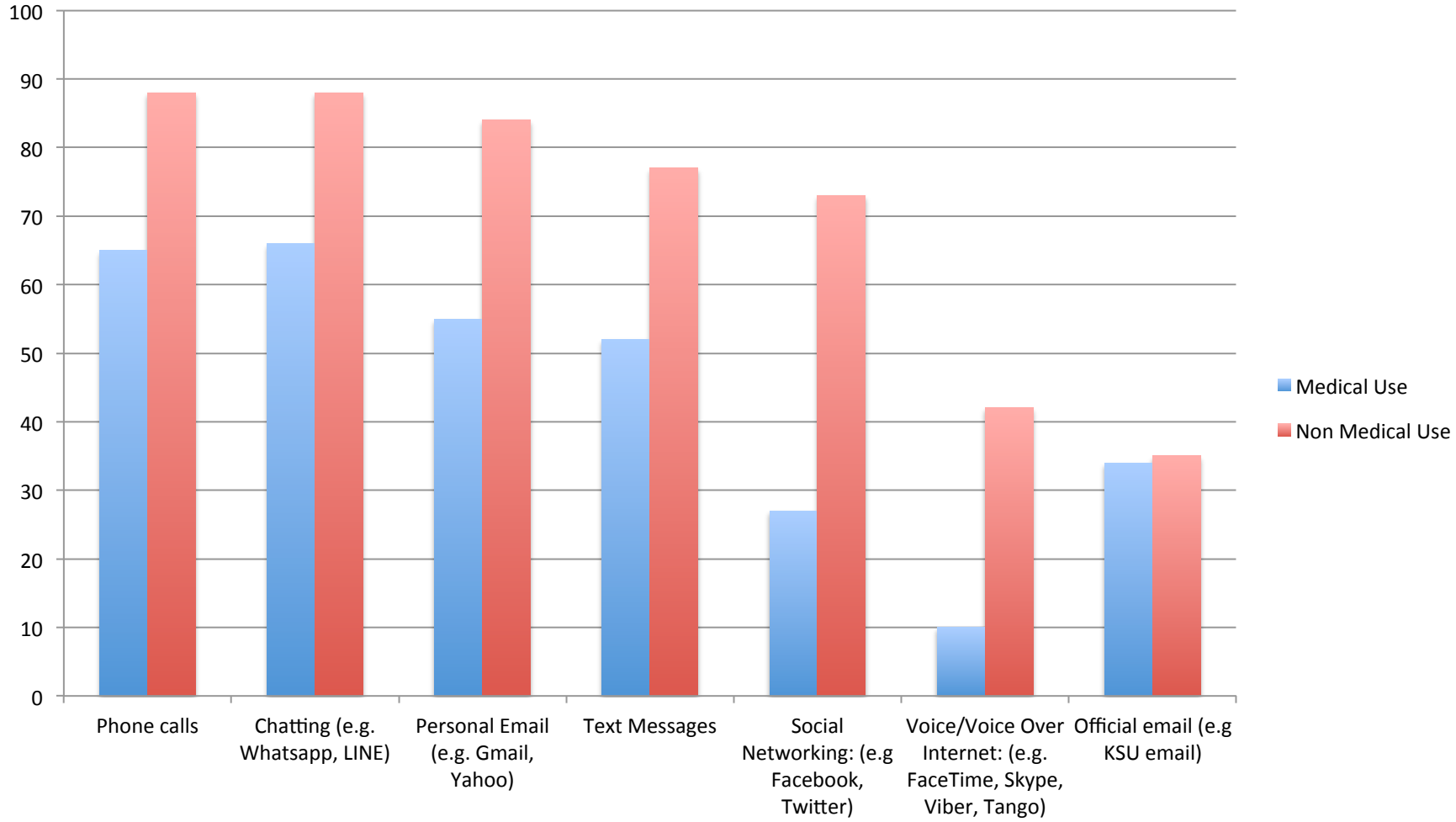
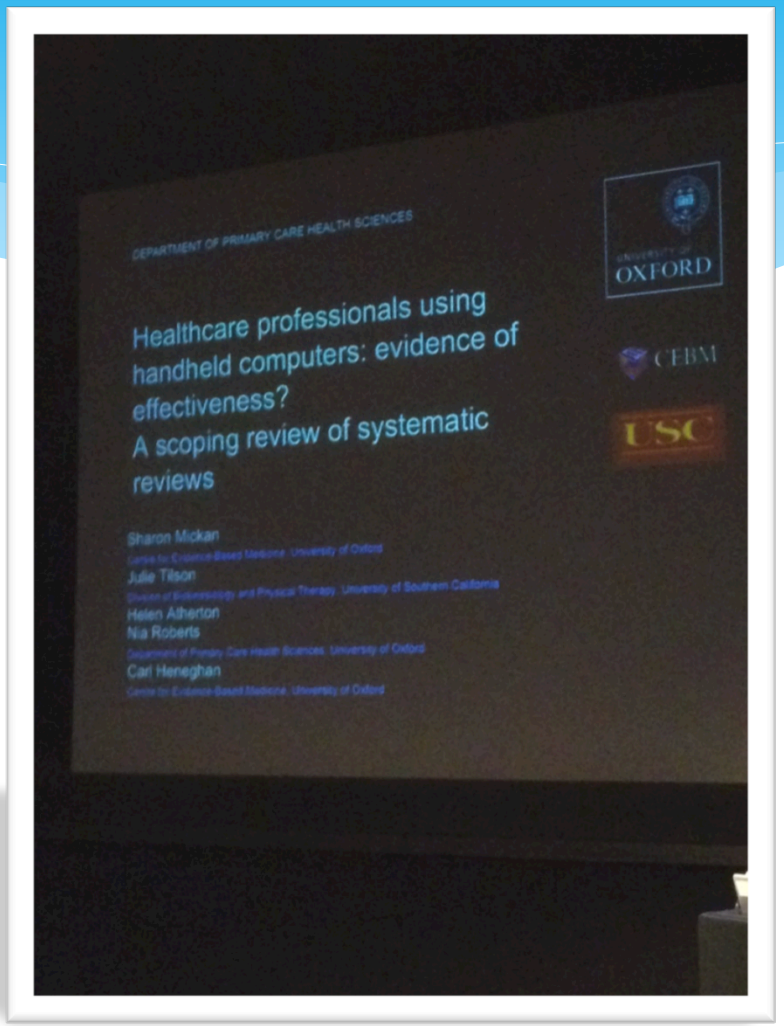


Figure 1: Medical and non-medical related usage of communication tools/apps

Jamal A, Temsah M-H, Khan SA, Al-Eyadhy A, Koppel C, Chiang M. Smartphone use among medical residents: a cross sectional multicenter survey in Saudi Arabia. JMIR Mhealth Uhealth. 2015.

Is it effective?
(Mickan 2013)

* improved patient documentation quality
  * through more complete records with fewer errors and improved ease and efficiency of use.
* improved safe and appropriate decision making
  * using clinical decision support systems and patient management systems at point of care.
* supporting healthcare professionals
  * looking for information about patients, drugs, guidelines and references at point of care.
* enhance efficiency and improve patterns of work.

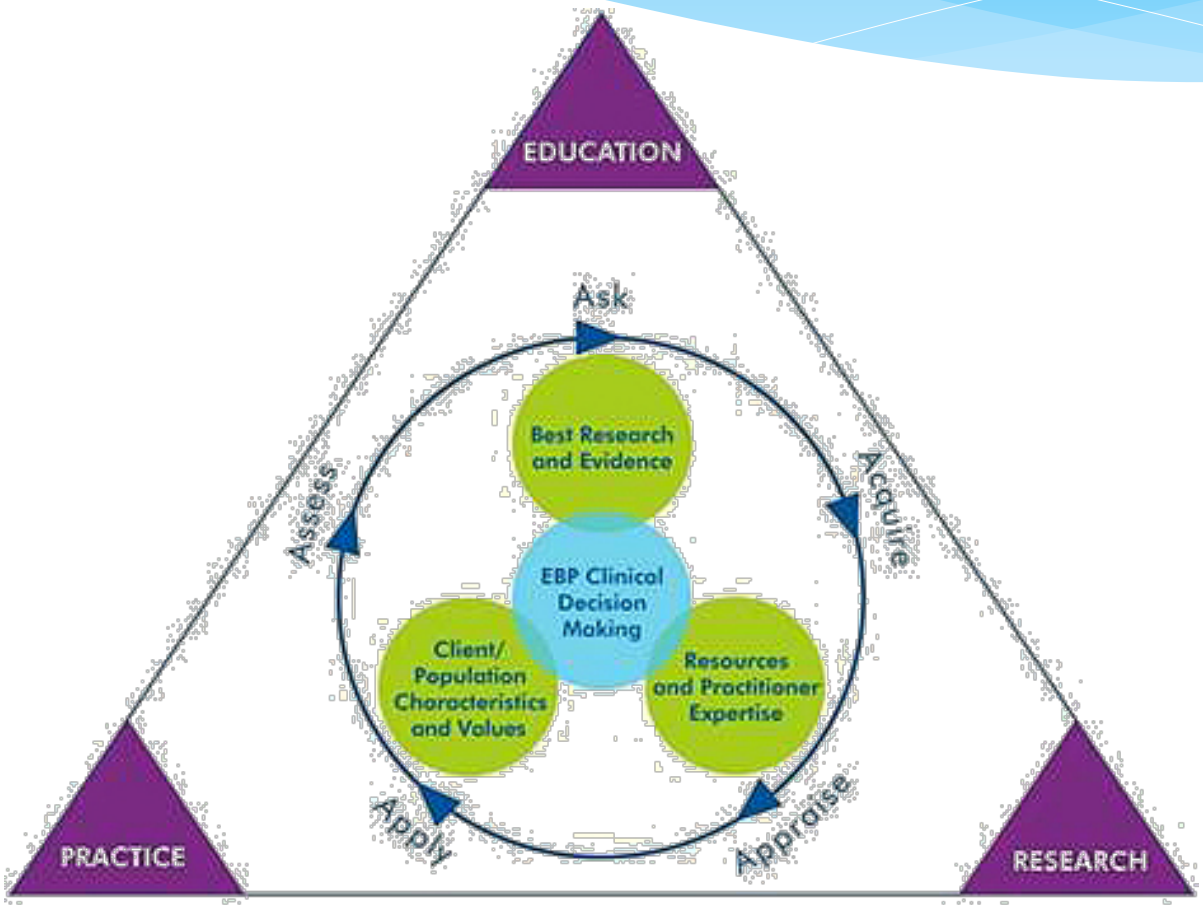


Mickan S, Tilson JK, Atherton H, Roberts NW, Heneghan C. Evidence of effectiveness of health care professionals using handheld computers: a scoping review of systematic reviews. J Med Internet Res. 2013;15(10):e212.

What is the first step in the evidence based practice process?

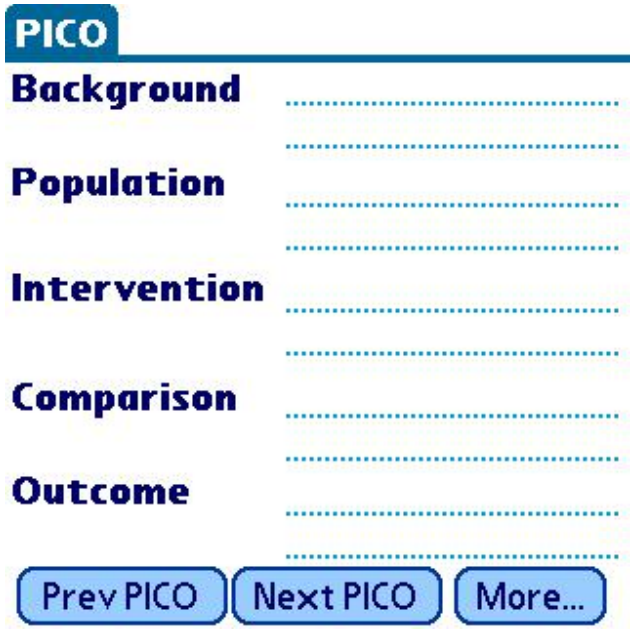
A. Applying research to practice
B. Acquiring available research and evidence
C. Assessing the impact of change
D. Asking a clinical question
E. Appraising the research quality

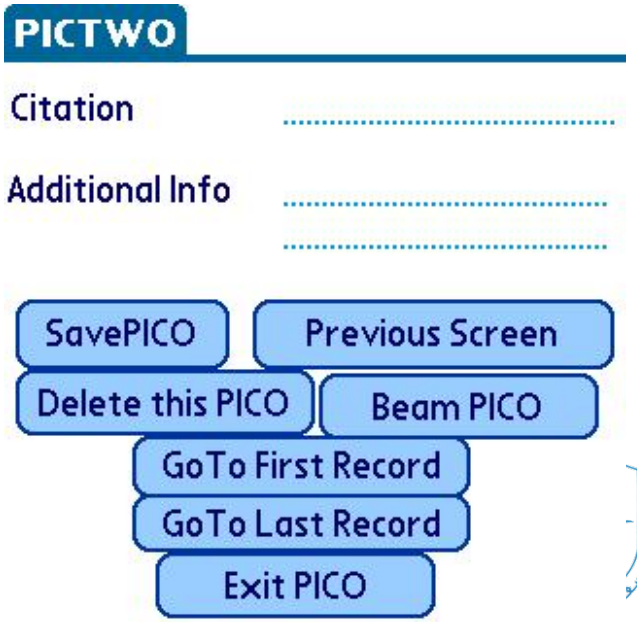
5-step EBM process



PICO Maker

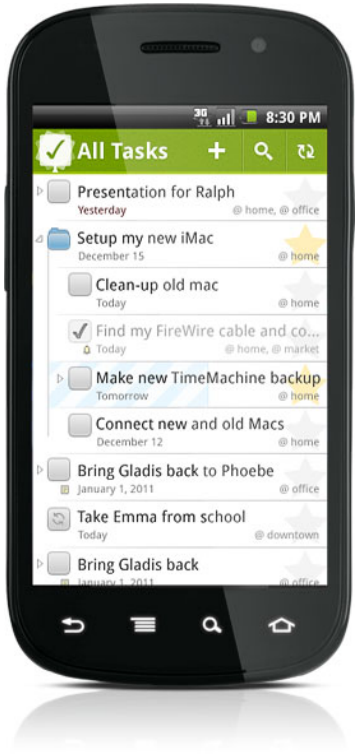
* free Palm OS-based application
* create and store queries in the PICO format for later reference.
* http://www.library.ualberta.ca/pdazone/pico/



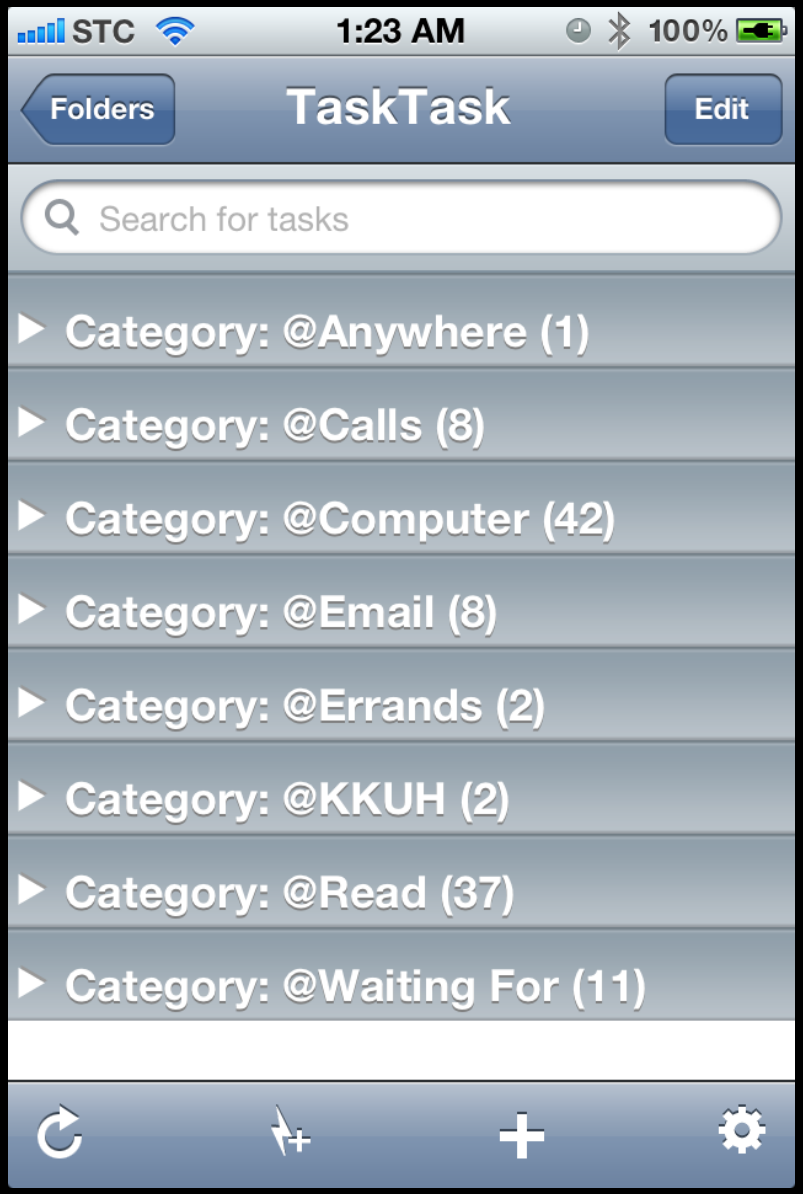


Use of task apps to control your EMB questions

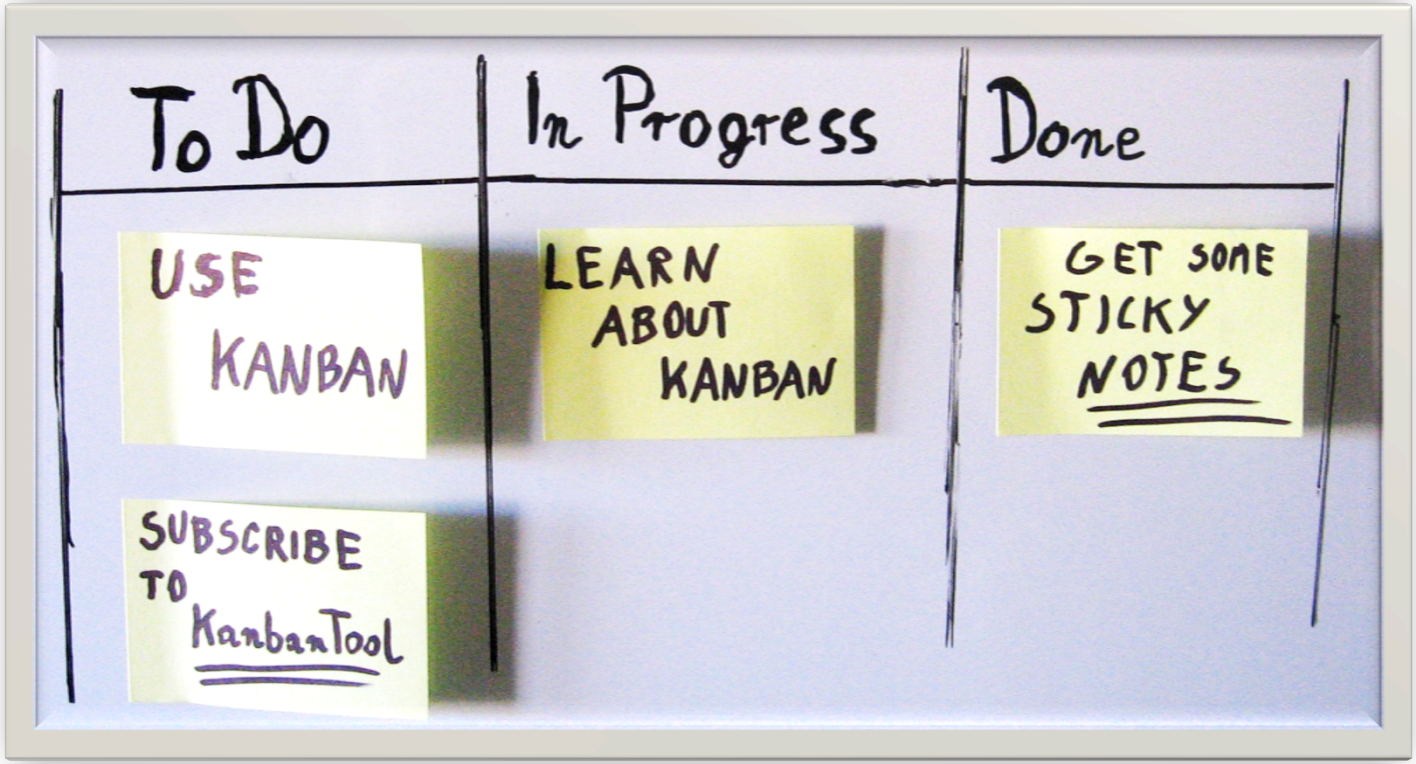
* Cross platforms Sync
* Reminders
* GTD contexts
* Geotagged reminders
* Speech recognition

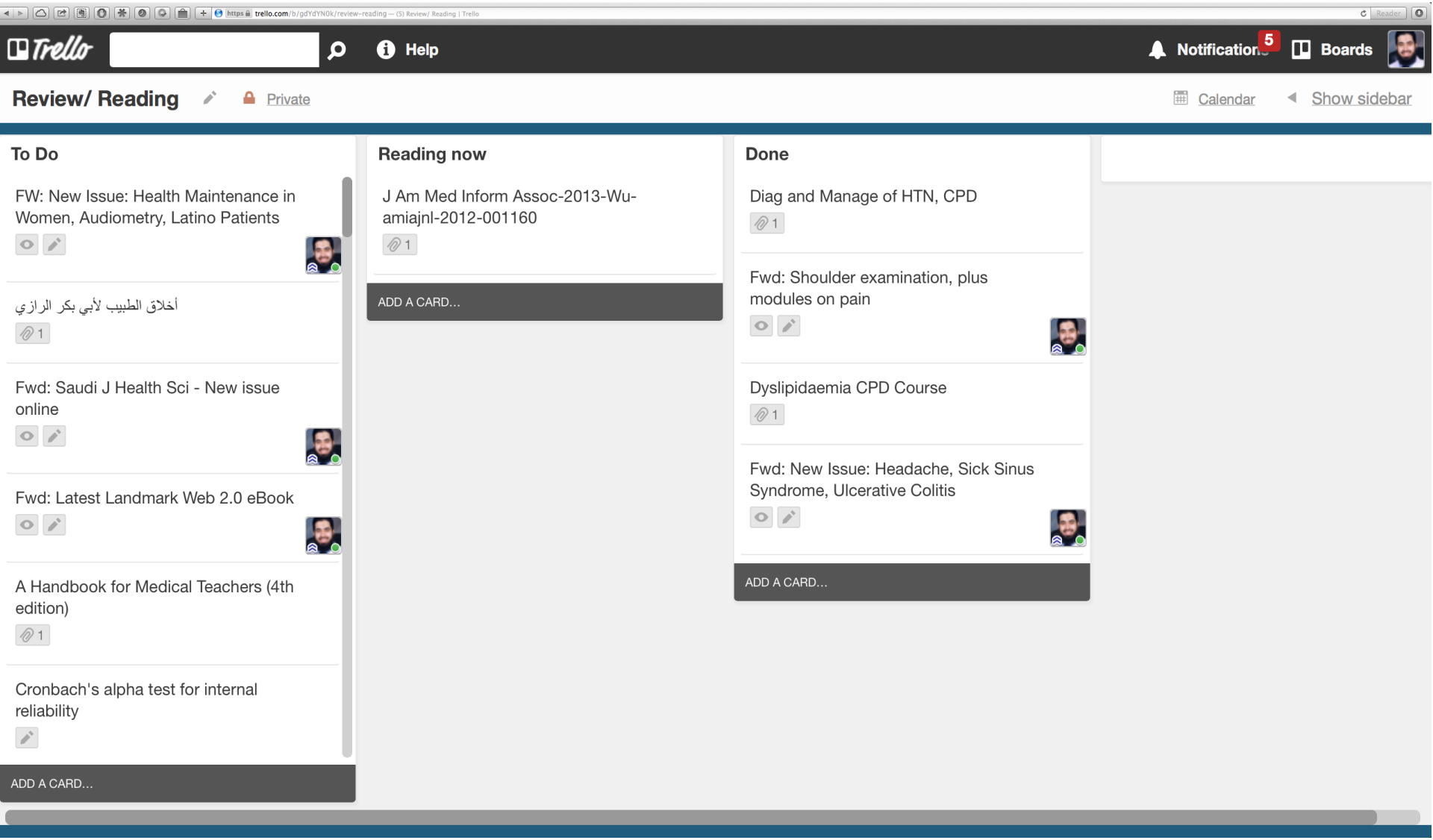


STC
1:05 AM
100%
Cancel
Details
Done
Read about: use of BB after CABG
Remind Me
Never
Due
Tue, 2/14/12 12:00 AM
Repeat
Never
Priority
Medium
List
Tasks
Notes

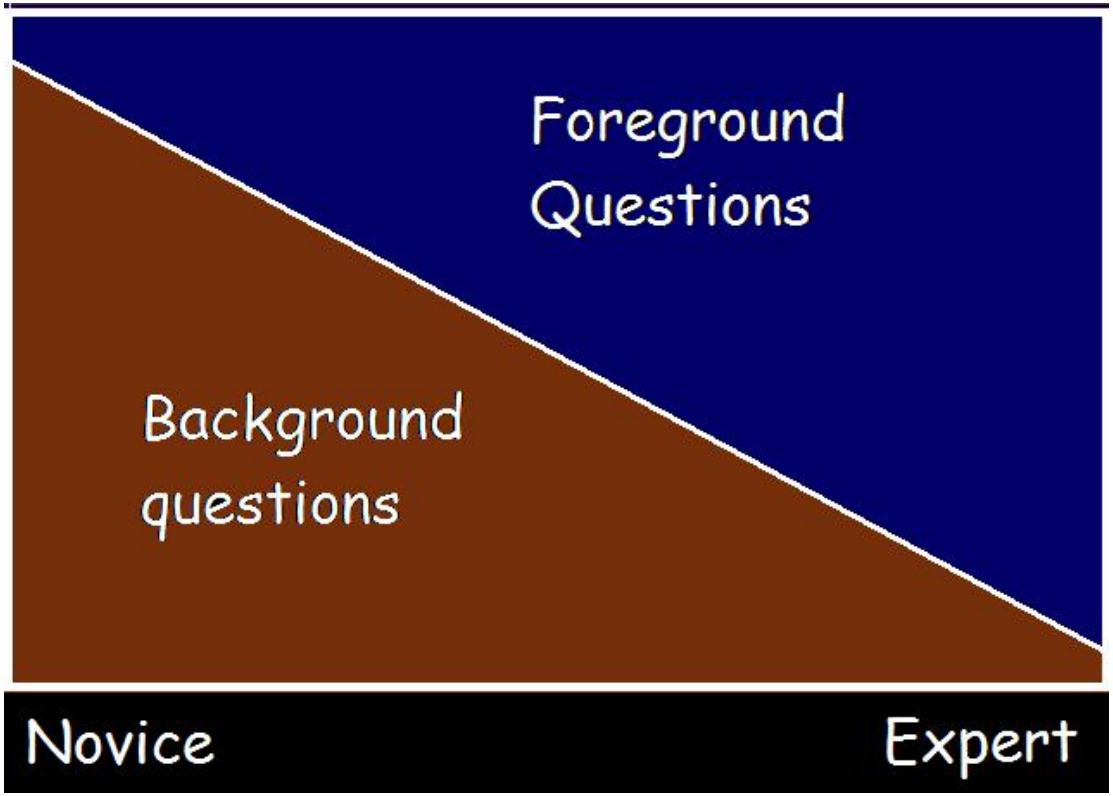

STC
1:23 AM
100%
Folders
TaskTask
Edit
Search for tasks
Category: @Anywhere (1)
Category: @Calls (8)
Category: @Computer (42)
Category: @Email (8)
Category: @Errands (2)
Category: @KKUH (2)
Category: @Read (37)
Category: @Waiting For (11)

Kanban Board

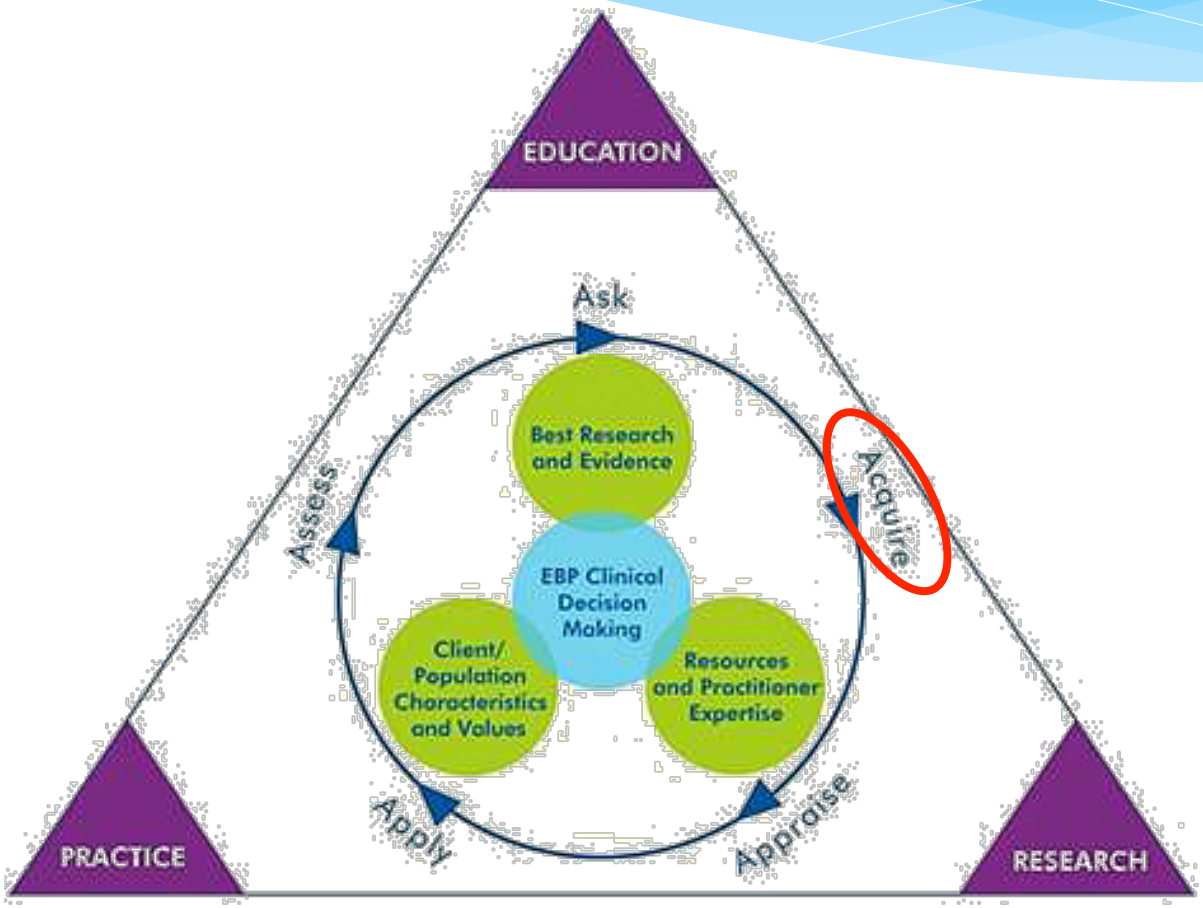



trello.com/b/gdYdYN0k/review-reading — (5) Review/ Reading | Trello
Trello
Help
Notifications
5
Boards
Review/ Reading
Private
Calendar
Show sidebar
To Do
FW: New Issue: Health Maintenance in Women, Audiometry, Latino Patients
أخلاق الطبيب لأبي بكر الرازي
1
Fwd: Saudi J Health Sci - New issue online
Fwd: Latest Landmark Web 2.0 eBook
A Handbook for Medical Teachers (4th edition)
1
Cronbach's alpha test for internal reliability
ADD A CARD...
Reading now
J Am Med Inform Assoc-2013-Wu-amiajnl-2012-001160
1
ADD A CARD...
Done
Diag and Manage of HTN, CPD
1
Fwd: Shoulder examination, plus modules on pain
Dyslipidaemia CPD Course
1
Fwd: New Issue: Headache, Sick Sinus Syndrome, Ulcerative Colitis
ADD A CARD...

Foreground Vs. Background EBM questions



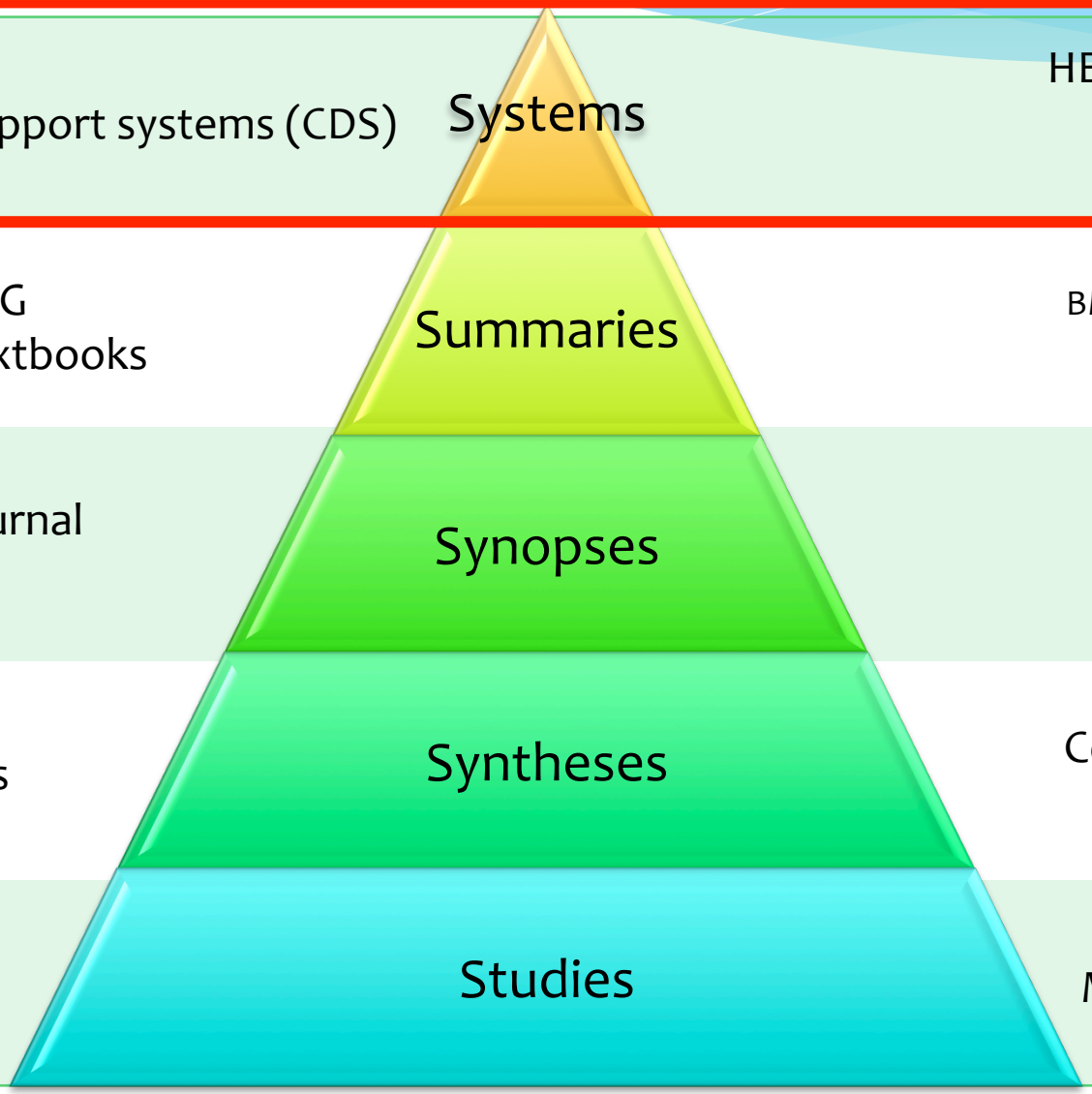
2nd step: Acquire



Where do you search for evidence using your smartphone/tablet?

1. BMJ Best Practice/ Clinical Evidence
2. StatRef
3. DynaMed
4. Essential Evidence Plus
5. Medline mobile
6. UpToDAte
7. MedScape
8. Skyskape
9. WebMD
10. Unbound Medicine

Haynes' 5S pyramid of EBM resources



Clinical decision support systems (CDS)

HER built-in CDSs
Diagnosis One
AHRQ ePSS

Evidence based CPG
Evidence based textbooks

BMJ BestPractice
BMJ ClinicalEvidence
UptoDate
StatRef

Evidence based journal abstracts

DynaMed
PIER
EE+

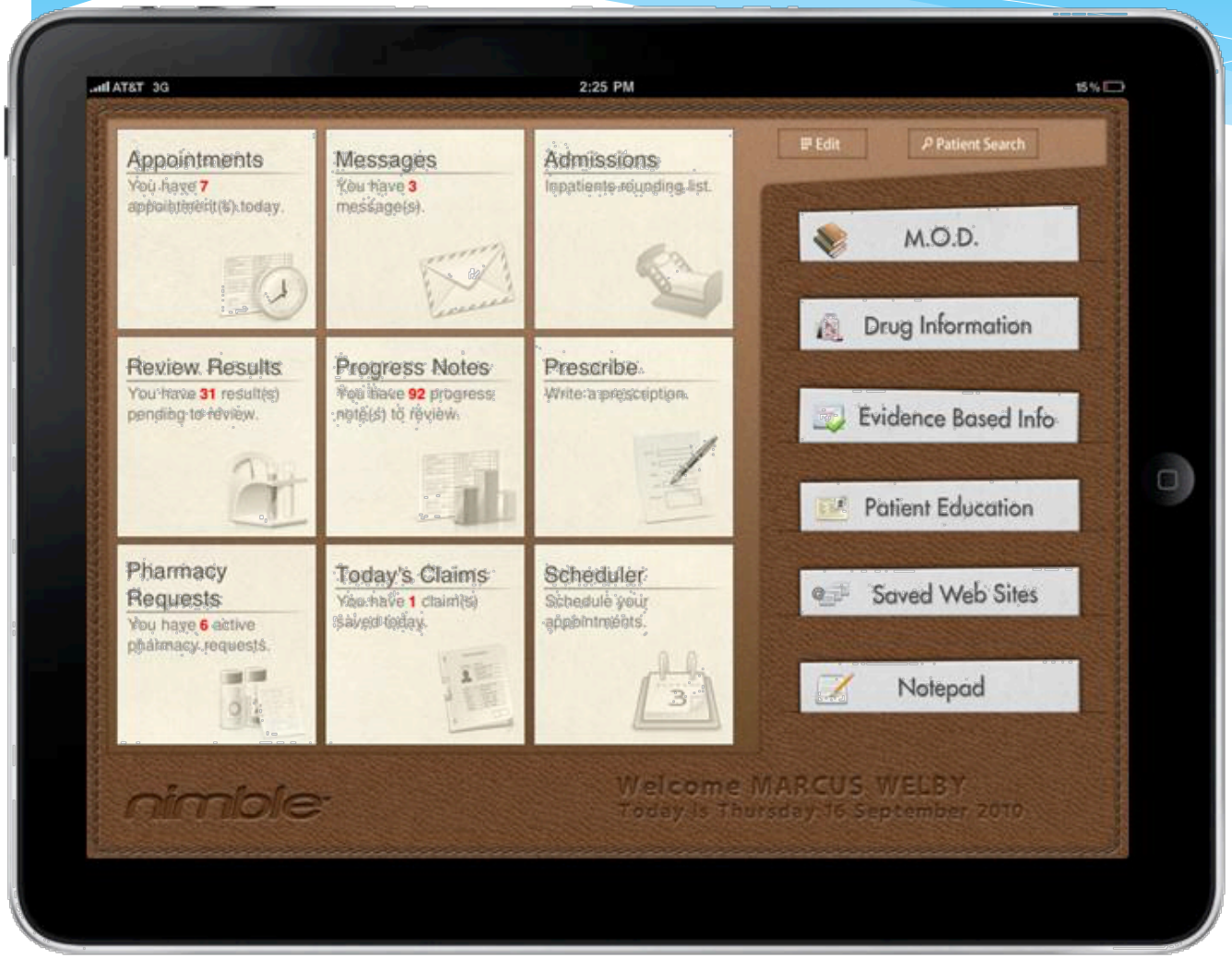
Systematic reviews

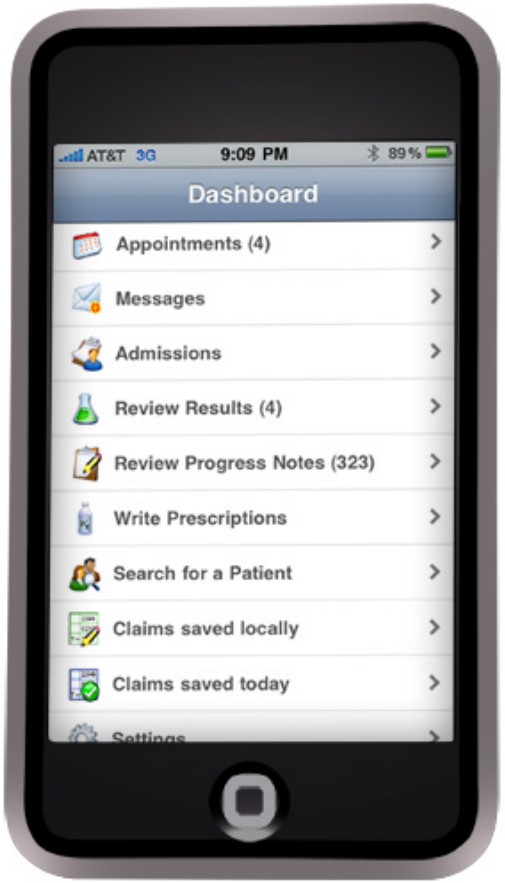
Cochrane library
Trip Database

Original journals

Medline mobile

CDSS on mobile platforms





Kareo Launches Apple Watch App To Improve Medical Practice Efficiency

by Fred Pennic 05/20/2015 1 Comment

39 38 11

Kareo, a cloud-based medical office EHR for independent medical practices is launching an Apple Watch App. The integration of the Apple Watch with Kareo's EHR streamlines care delivery and enhancing the patient experience by improving communications, reducing patient wait times, and increasing practice efficiency. The Apple Watch App was created in response to the growing demands on physicians to increase their focus on all aspects of patient engagement.

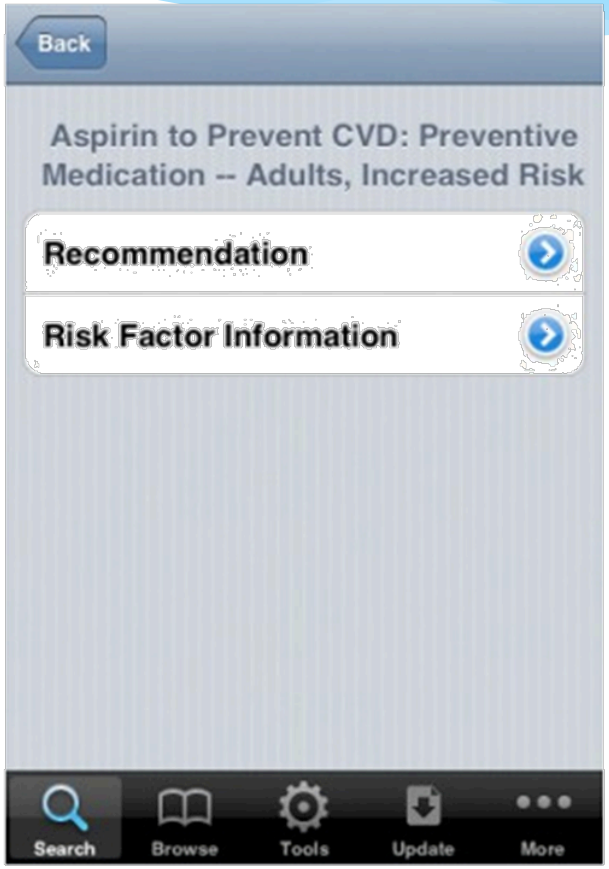
AHRQ ePSS

* Designed by the US Department of Health and Human Services to assist primary care clinicians in identifying what screening, counseling, and preventive services are appropriate for their patients.

* AHRQ ePSS allows the input of a patient's age and other demographic variables, generating the USPSTF-appropriate screening and counseling guidelines for the patient.

AHRQ ePSS

Reset
Search
Start
Enter the following information to retrieve recommendations from the USPSTF Preventive Services Database.
Age:
25
Years
Sex:
Both
Female
Male
Pregnant:
No
Yes
Tobacco User:
N/A
No
Yes
Sexually Active:
N/A
No
Yes
Search
Browse
Tools
Update
More

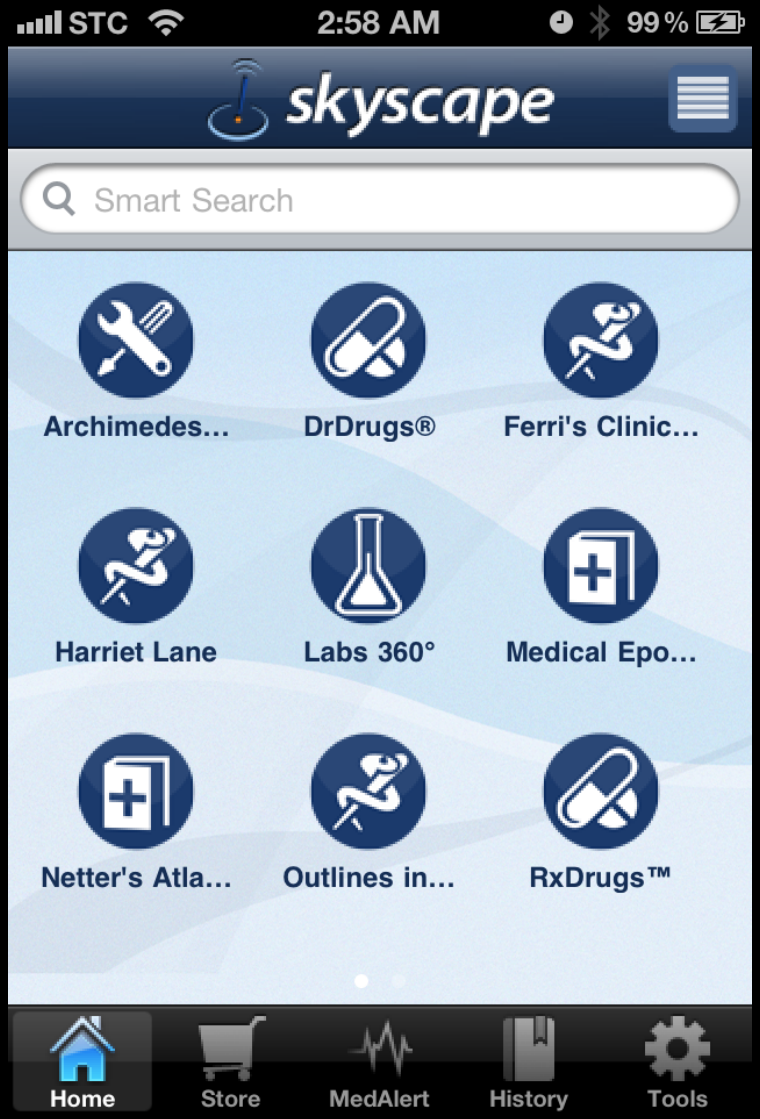

Back
Aspirin to Prevent CVD: Preventive Medication -- Adults, Increased Risk
Recommendation
Risk Factor Information
Search
Browse
Tools
Update
More

Where do you search for guidelines?

1. TRIP database
2. DynaMed
3. Medline
4. EMBASE
5. BMJ Best Practice
6. National guideline Clearinghouse
7. Cochrane
8. Essential Evidence Plus
9. CMA Infobase

Skyscape

* Many titles are free through the SDL library
* Can purchase Harrison's Manual of Medicine, 5-minute Clinical Consult, Merck Manual, Journal Watch and Pocket Medicine
* Free version includes: Outlines in Clinical Medicine (OCM), RxDrugs, Archimedes.
* OCM provides disease monographs with ~800 entries
* Cumbersome user interface, iTunes and Android


STC
2:58 AM
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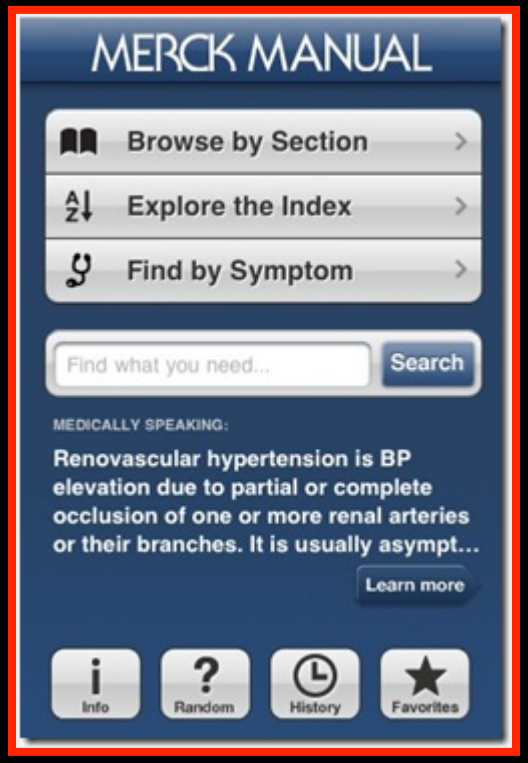
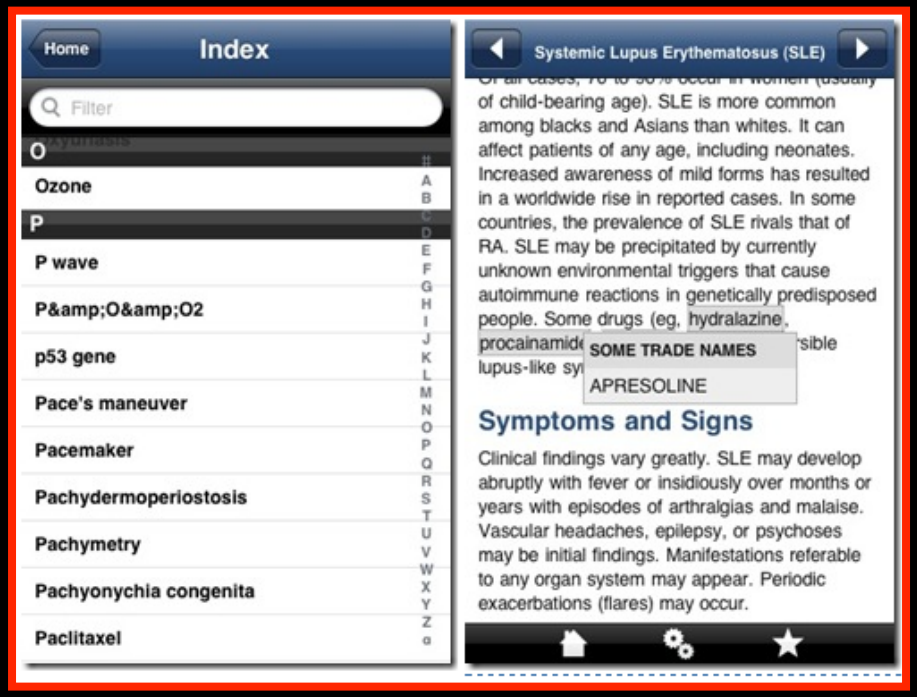
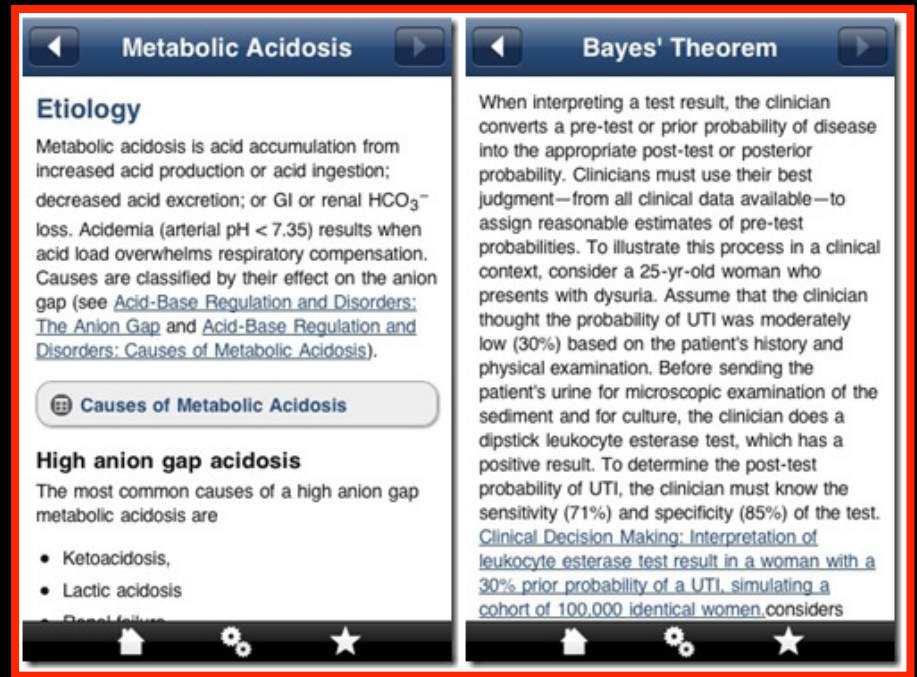
skyscape
Smart Search
Archimedes...
DrDrugs®
Ferri's Clinic...
Harriet Lane
Labs 360°
Medical Epo...
Netter's Atla...
Outlines in...
RxDrugs™
Home
Store
MedAlert
History
Tools

Merck Manual Professional Edition

* 3,000 page version
* The Medical Encyclopedia
* $34.99, itunes


MERCK MANUAL
Browse by Section
Explore the Index
Find by Symptom
Find what you need...
Search
MEDICALLY SPEAKING:
Renovascular hypertension is BP elevation due to partial or complete occlusion of one or more renal arteries or their branches. It is usually asympt...
Learn more
Info
Random
History
Favorites


Home
Index
Filter
O
Ozone
P
P wave
P&O&O2
p53 gene
Pace's maneuver
Pacemaker
Pachydermoperiostosis
Pachymetry
Pachyonychia congenita
Paclitaxel
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z #
Systemic Lupus Erythematosus (SLE)
of child-bearing age). SLE is more common among blacks and Asians than whites. It can affect patients of any age, including neonates. Increased awareness of mild forms has resulted in a worldwide rise in reported cases. In some countries, the prevalence of SLE rivals that of RA. SLE may be precipitated by currently unknown environmental triggers that cause autoimmune reactions in genetically predisposed people. Some drugs (eg, hydralazine, procainamide
SOME TRADE NAMES
APRESOLINE
lupus-like sy
Symptoms and Signs
Clinical findings vary greatly. SLE may develop abruptly with fever or insidiously over months or years with episodes of arthralgias and malaise. Vascular headaches, epilepsy, or psychoses may be initial findings. Manifestations referable to any organ system may appear. Periodic exacerbations (flares) may occur.


Metabolic Acidosis
Etiology
Metabolic acidosis is acid accumulation from increased acid production or acid ingestion; decreased acid excretion; or GI or renal HCO_3^- loss. Acidemia (arterial pH < 7.35) results when acid load overwhelms respiratory compensation. Causes are classified by their effect on the anion gap (see Acid-Base Regulation and Disorders: The Anion Gap and Acid-Base Regulation and Disorders: Causes of Metabolic Acidosis).
Causes of Metabolic Acidosis
High anion gap acidosis
The most common causes of a high anion gap metabolic acidosis are
Ketoacidosis,
Lactic acidosis
Bayes' Theorem
When interpreting a test result, the clinician converts a pre-test or prior probability of disease into the appropriate post-test or posterior probability. Clinicians must use their best judgment—from all clinical data available—to assign reasonable estimates of pre-test probabilities. To illustrate this process in a clinical context, consider a 25-yr-old woman who presents with dysuria. Assume that the clinician thought the probability of UTI was moderately low (30%) based on the patient's history and physical examination. Before sending the patient's urine for microscopic examination of the sediment and for culture, the clinician does a dipstick leukocyte esterase test, which has a positive result. To determine the post-test probability of UTI, the clinician must know the sensitivity (71%) and specificity (85%) of the test. Clinical Decision Making: Interpretation of leukocyte esterase test result in a woman with a 30% prior probability of a UTI, simulating a cohort of 100,000 identical women considers

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* Pricing $195/year (.53 cents per day) for trainee and $495/year ($1.36 per day)
* Free throw SDL
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* 8,500 medical topics, 385,000 total references
* Good search function
* **Slow to load topics**

AT&T 3G
3:35 AM
85 %
UpToDate
Search
Calculators
Settings
Bookmarks
History
What's New
Wolters Kluwer
Health
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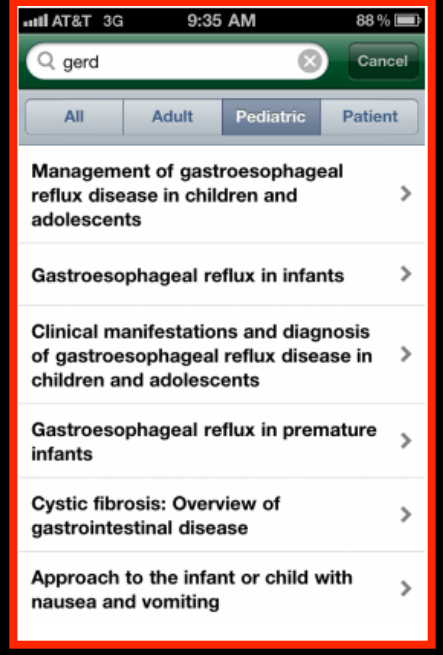
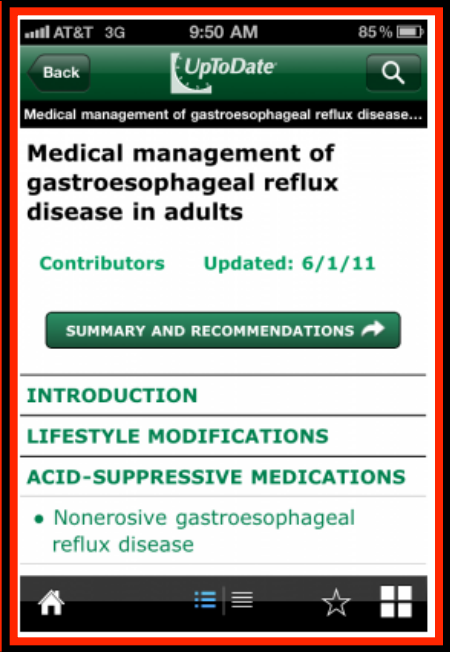
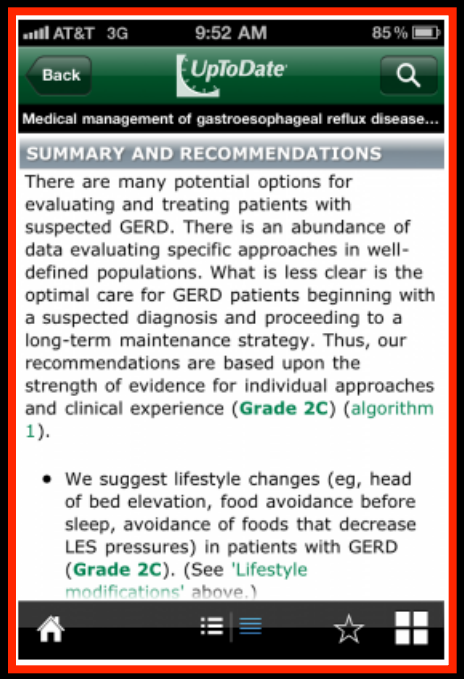
Licensed to: Amit Patel


AT&T 3G
9:35 AM
88 %
gerd
Cancel
All
Adult
Pediatric
Patient
Management of gastroesophageal reflux disease in children and adolescents
Gastroesophageal reflux in infants
Clinical manifestations and diagnosis of gastroesophageal reflux disease in children and adolescents
Gastroesophageal reflux in premature infants
Cystic fibrosis: Overview of gastrointestinal disease
Approach to the infant or child with nausea and vomiting


AT&T 3G
9:50 AM
85 %
Back
UpToDate
Medical management of gastroesophageal reflux disease...
Medical management of gastroesophageal reflux disease in adults
Contributors
Updated: 6/1/11
SUMMARY AND RECOMMENDATIONS
INTRODUCTION
LIFESTYLE MODIFICATIONS
ACID-SUPPRESSIVE MEDICATIONS
• Nonerosive gastroesophageal reflux disease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Back
UpToDate
Medical management of gastroesophageal reflux disease...
SUMMARY AND RECOMMENDATIONS
There are many potential options for evaluating and treating patients with suspected GERD. There is an abundance of data evaluating specific approaches in well-defined populations. What is less clear is the optimal care for GERD patients beginning with a suspected diagnosis and proceeding to a long-term maintenance strategy. Thus, our recommendations are based upon the strength of evidence for individual approaches and clinical experience (Grade 2C) (algorithm 1).
• We suggest lifestyle changes (eg, head of bed elevation, food avoidance before sleep, avoidance of foods that decrease LES pressures) in patients with GERD (Grade 2C). (See 'Lifestyle modifications' above.)

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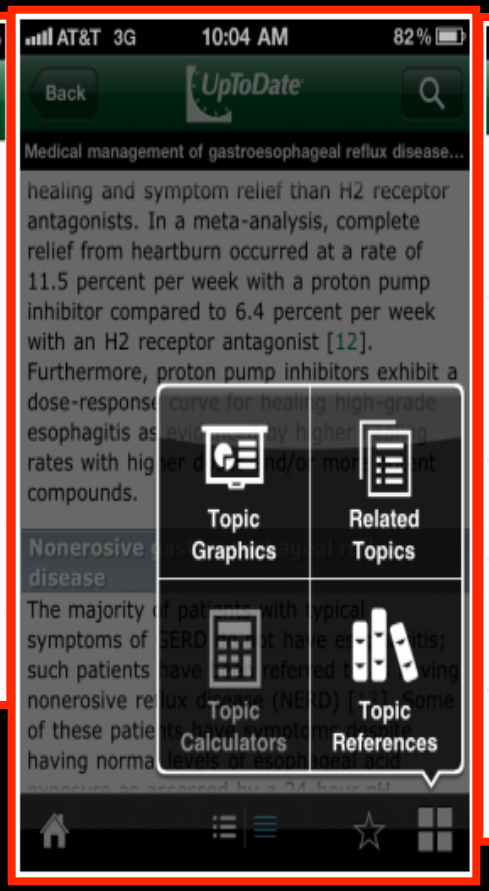
Medical management of GERD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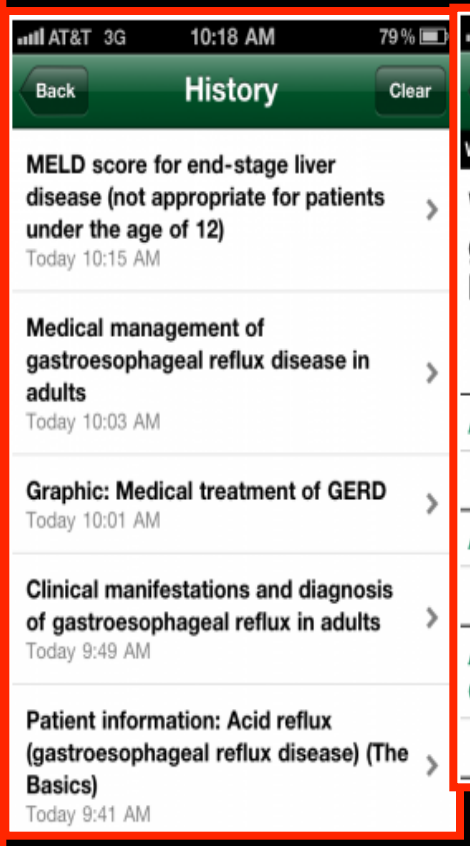
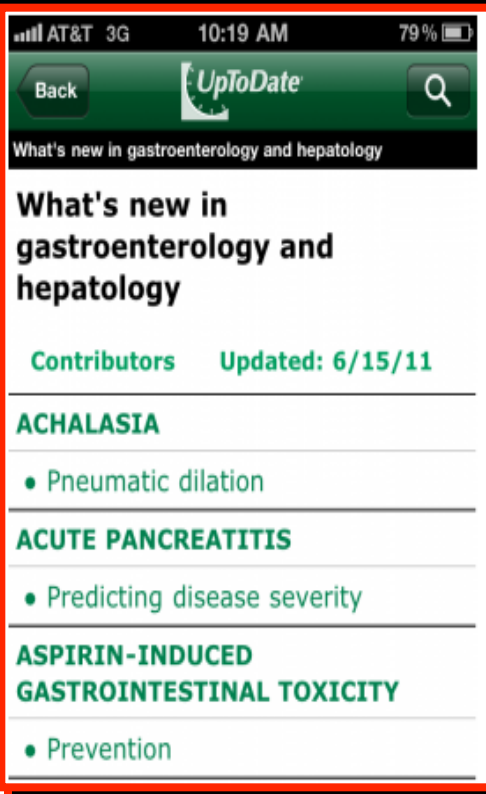
10:04 AM
82 %
Back
UpToDate
Medical management of gastroesophageal reflux disease...
healing and symptom relief than H2 receptor antagonists. In a meta-analysis, complete relief from heartburn occurred at a rate of 11.5 percent per week with a proton pump inhibitor compared to 6.4 percent per week with an H2 receptor antagonist [12]. Furthermore, proton pump inhibitors exhibit a dose-response curve for healing high-grade esophagitis as
rates with hig
compounds.
Topic Graphics
Related Topics
Topic Calculators
Topic References


AT&T 3G
10:18 AM
79 %
Back
History
Clear
MELD score for end-stage liver disease (not appropriate for patients under the age of 12)
Today 10:15 AM
Medical management of gastroesophageal reflux disease in adults
Today 10:03 AM
Graphic: Medical treatment of GERD
Today 10:01 AM
Clinical manifestations and diagnosis of gastroesophageal reflux in adults
Today 9:49 AM
Patient information: Acid reflux (gastroesophageal reflux disease) (The Basics)
Today 9:41 AM


AT&T 3G
10:19 AM
79 %
Back
UpToDate
What's new in gastroenterology and hepatology
What's new in gastroenterology and hepatology
Contributors
Updated: 6/15/11
ACHALASIA
• Pneumatic dilation
ACUTE PANCREATITIS
• Predicting disease severity
ASPIRIN-INDUCED GASTROINTESTINAL TOXICITY
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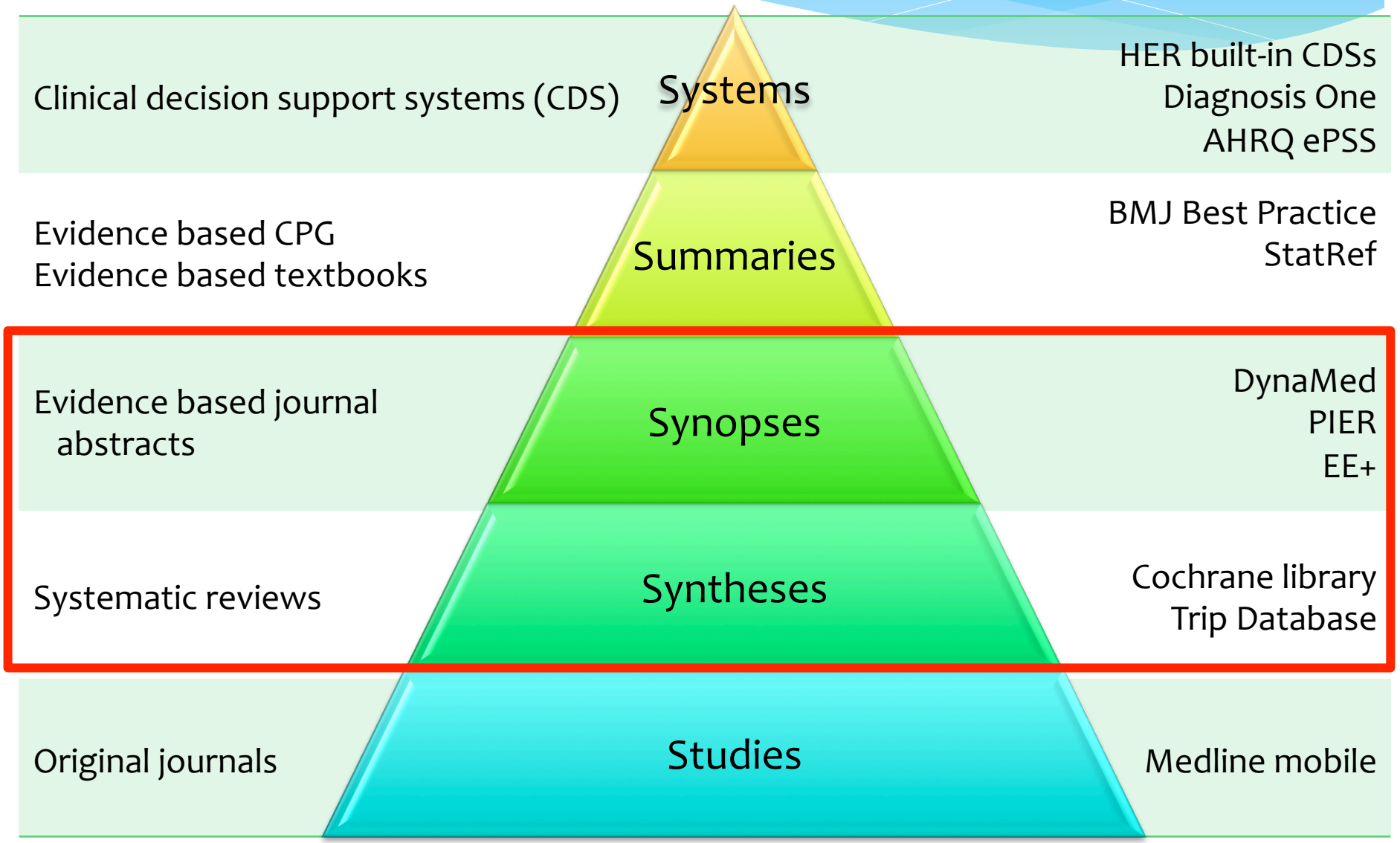
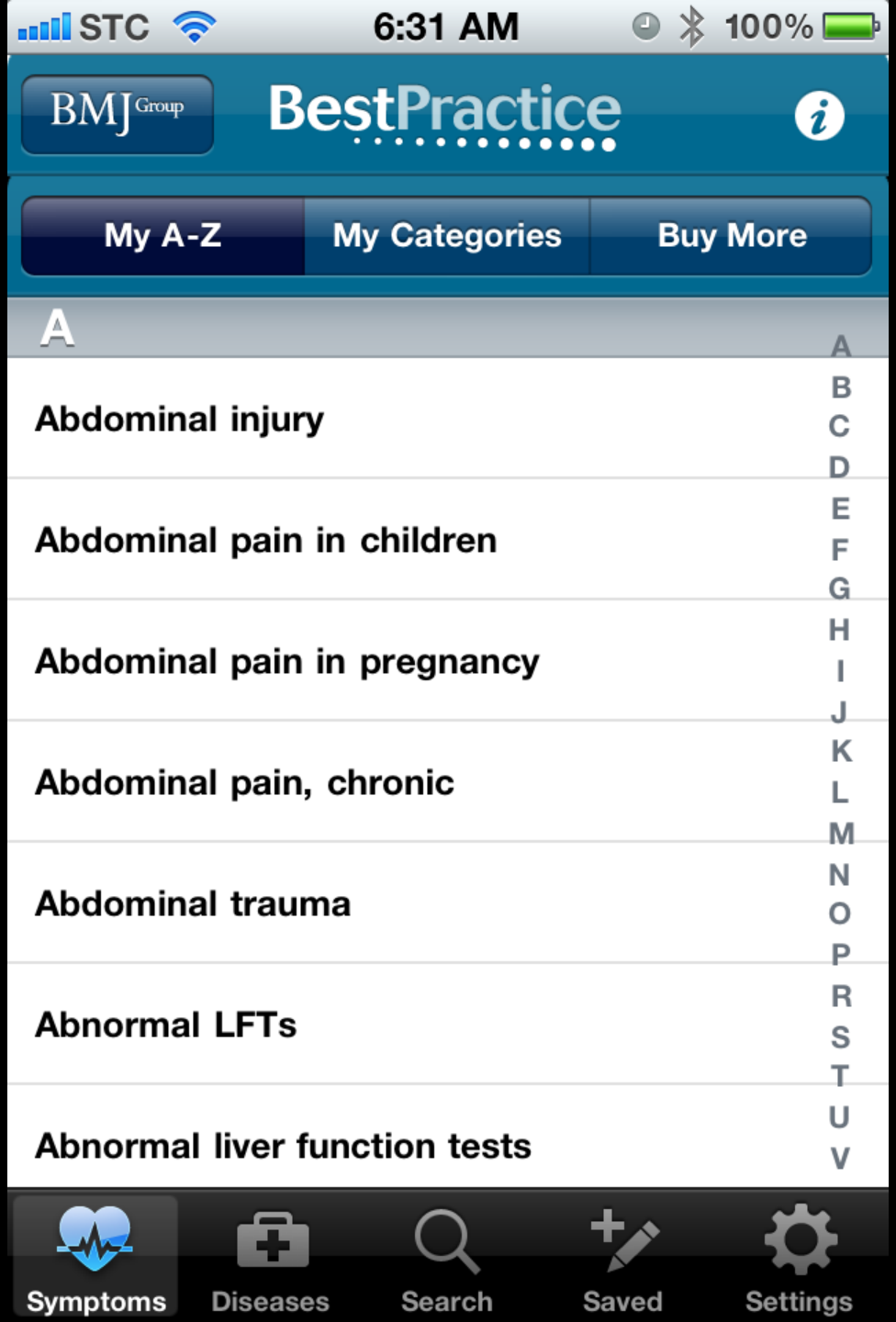
Haynes' 5S pyramid of EBM resources




STC
6:31 AM
100%
BMJ Group
BestPractice
My A-Z
My Categories
Buy More
A
Abdominal injury
Abdominal pain in children
Abdominal pain in pregnancy
Abdominal pain, chronic
Abdominal trauma
Abnormal LFTs
Abnormal liver function tests
A B C D E F G H I J K L M N O P R S T U V
Symptoms
Diseases
Search
Saved
Settings

Summary

Breast infection (including infectious mastitis and breast abscess) typically affects women 15 to 45 years of age, especially those who are lactating. Neonates and adolescent girls may also be affected.

Staphylococcus aureus is the most frequent pathogen isolated.

Diagnosis
Treatment
Prevention
Follow Up
Basics
Overview

STC
6:33 AM
100%
Back
Mastitis and breast abscess
Treatment
Step-by-step
Details
Guidelines
Emerging

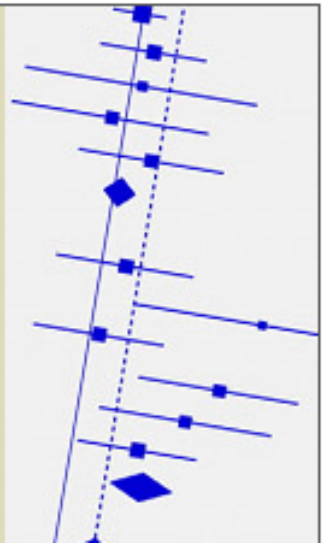
Clinical Evidence **is one of the world's most authoritative medical resources for informing treatment decisions and improving patient care.**

May 7, 2010

Latest updated reviews

- Skin cancer (updated)
- Colorectal cancer treatment (updated)
- Chlamydia (uncomplicated, genital) (updated)
- Stroke management (updated)
- Dementia (updated)
- Impacted wisdom teeth (updated)
- Acute anterior uveitis (updated)
- Constipation in children (updated)
- Basal cell carcinoma (updated)
- Summary of all updates

Guest editorial



At *Clinical Evidence*, we present an overview of the best available evidence, with a view to answering clinical questions of interest. Frequently, the evidence we identify includes systematic reviews that have meta-analysed data from RCTs. Synthesising data from multiple small RCTs can improve confidence in the effects, or confirm the believed lack of effect, of a particular intervention, thereby accelerating acceptance or rejection of that treatment. However, as Carl Heneghan and Rafael Perera outline in their Editorial, producing a reliable meta-analysis may not always be as simple as combining all the RCTs for the treatment

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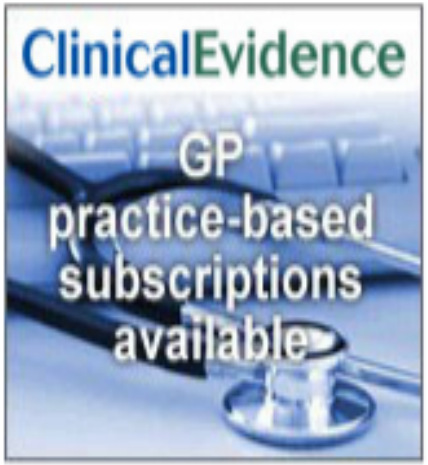

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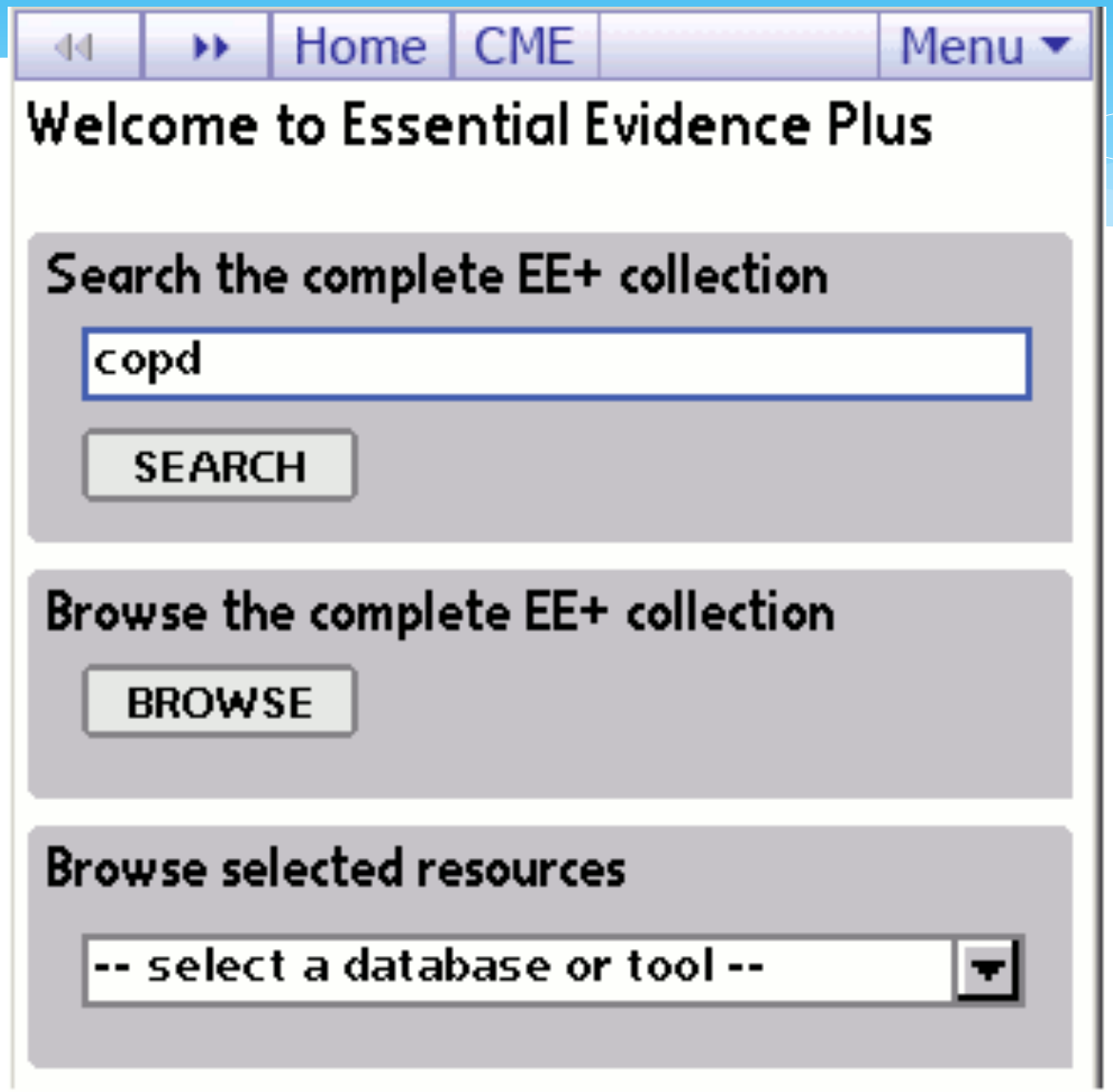
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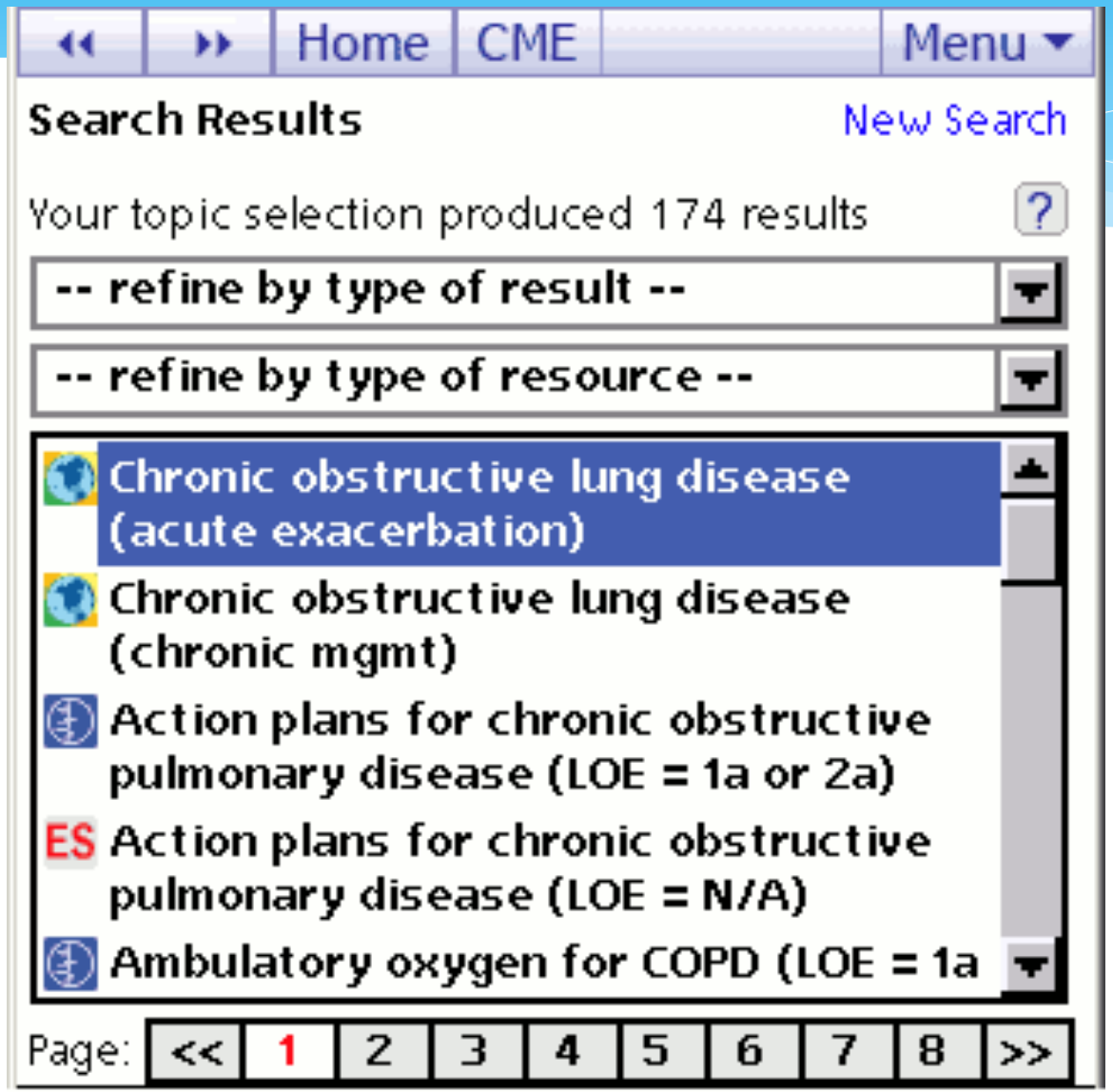
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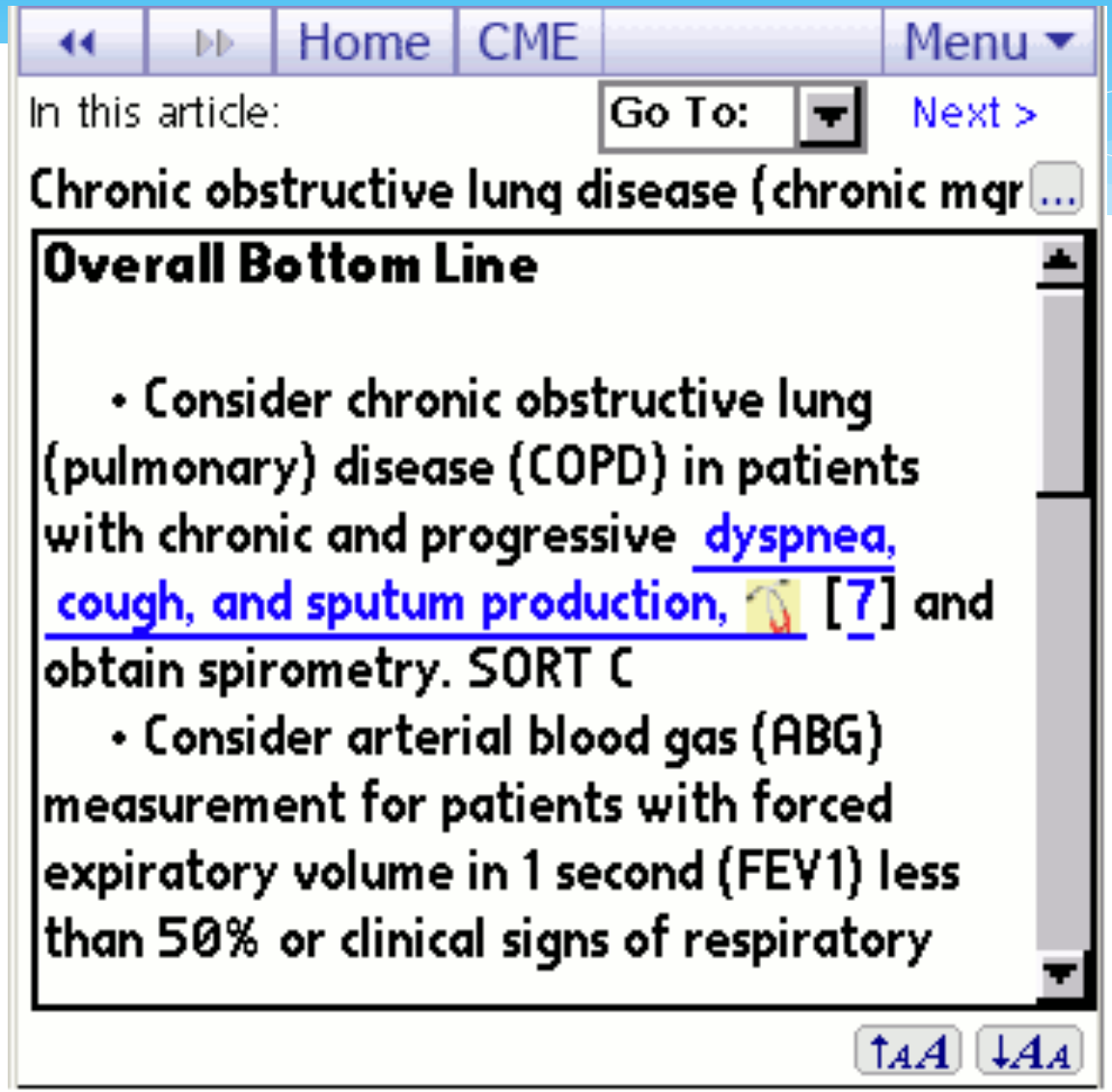
Chronic obstructive lung disease (acute exacerbation)
Chronic obstructive lung disease (chronic mgmt)
Action plans for chronic obstructive pulmonary disease (LOE = 1a or 2a)
ES Action plans for chronic obstructive pulmonary disease (LOE = N/A)
Ambulatory oxygen for COPD (LOE = 1a
Page: << 1 2 3 4 5 6 7 8 >>

EE+


Home
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In this article:
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Chronic obstructive lung disease (chronic mgr
Overall Bottom Line
• Consider chronic obstructive lung (pulmonary) disease (COPD) in patients with chronic and progressive dyspnea, cough, and sputum production, [7] and obtain spirometry. SORT C
• Consider arterial blood gas (ABG) measurement for patients with forced expiratory volume in 1 second (FEV1) less than 50% or clinical signs of respiratory

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What's New

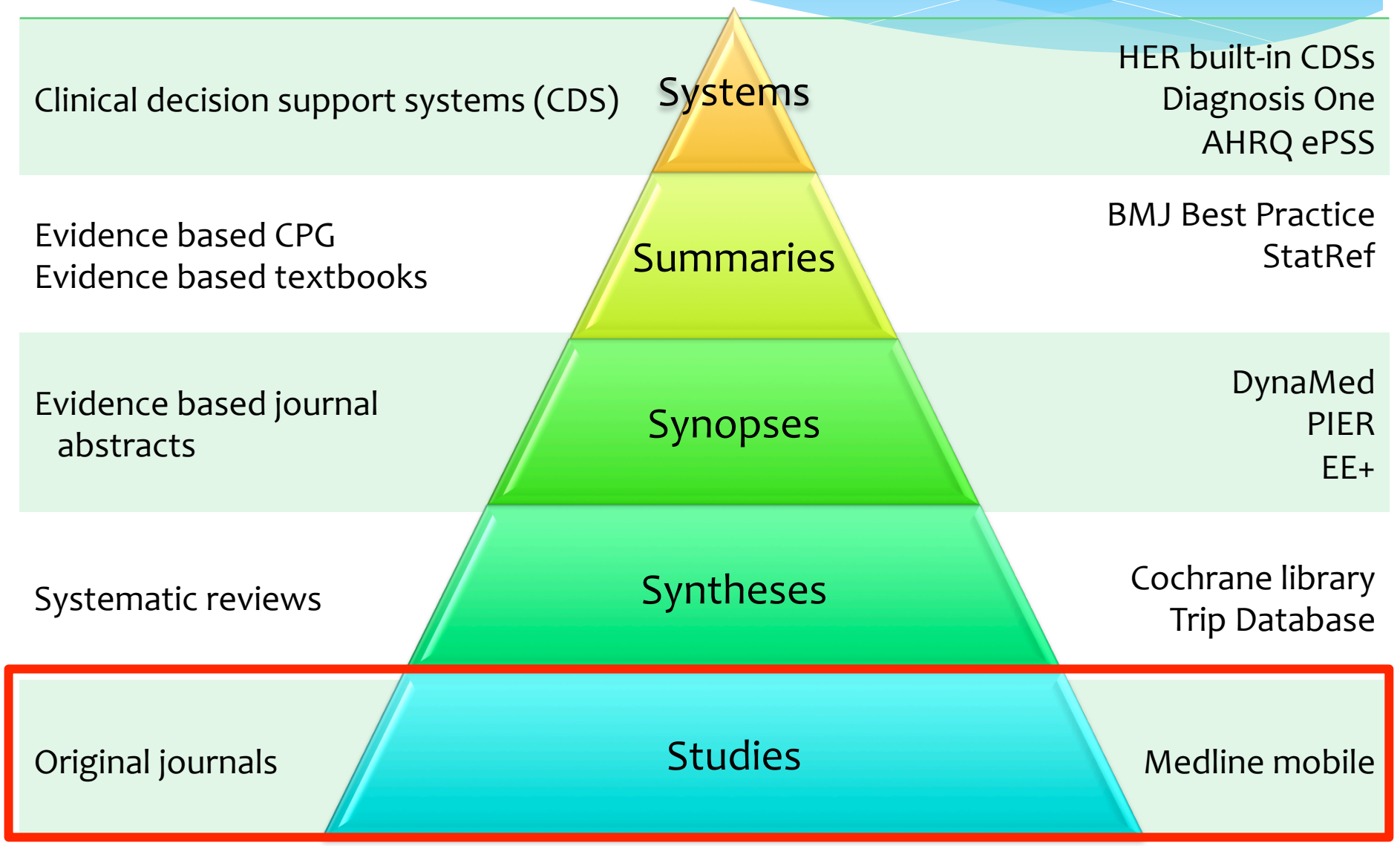
QUALITY MEASURES: The PIER Quality Measures page has been updated to indude the 179 2010 Physician Quality Reporting Initiative (PQRI) measures. The PQRI administrative criteria for each measure is given, and, where applicable, links are provided to PIER modules to help physicians fulfill the PQRI.

UPDATED MODULES: The following modules were updated the week ending April 30:
Cirrhosis
Gonorrhea
Group A Streptococcal Pharyngitis
Hip Fracture
HIV in Pregnancy

National Guideline Clearinghouse

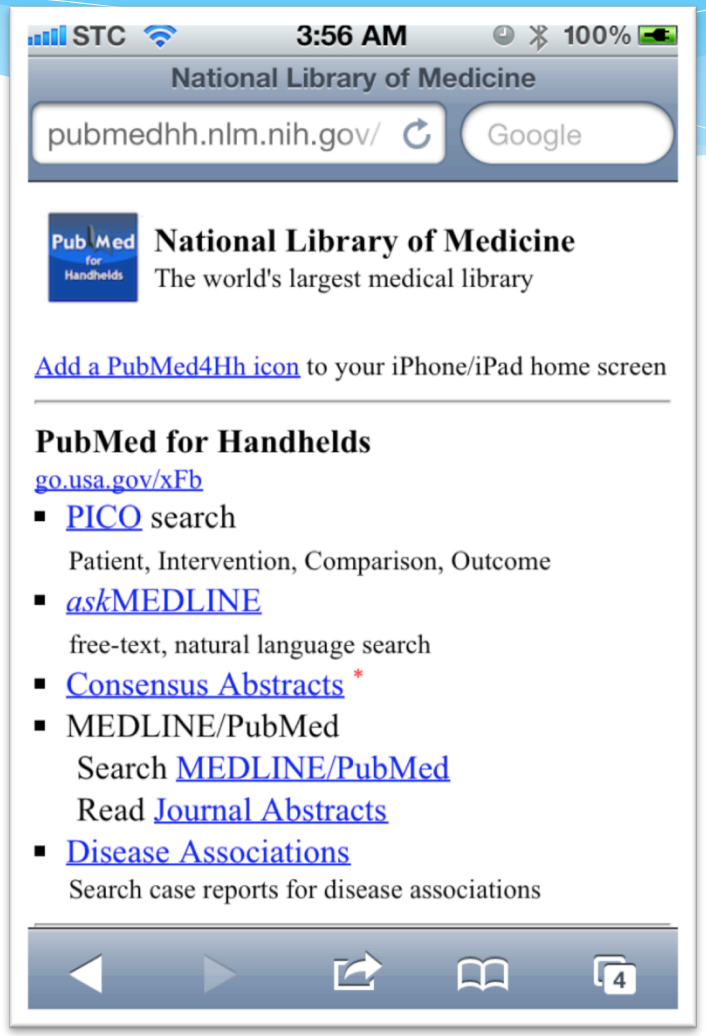
* http://www.guideline.gov/
* directly access the entire site using PDA browser
* download all NGC guideline summaries as PDF or MS Word documents

Haynes' 5S pyramid of EBM resources



Primary Evidence Resources mobile websites

* CINAHL
* PubMed
* MedlinePlus



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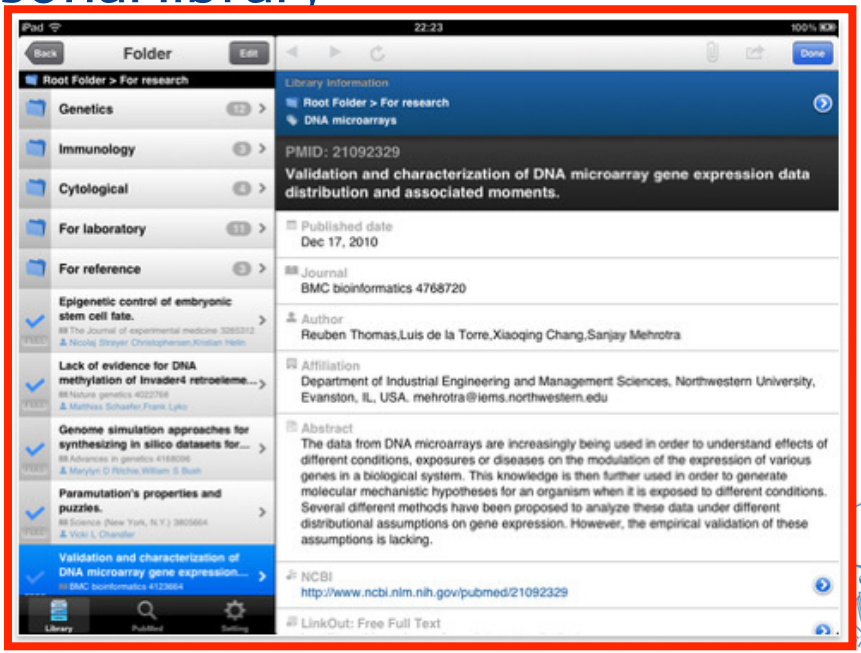

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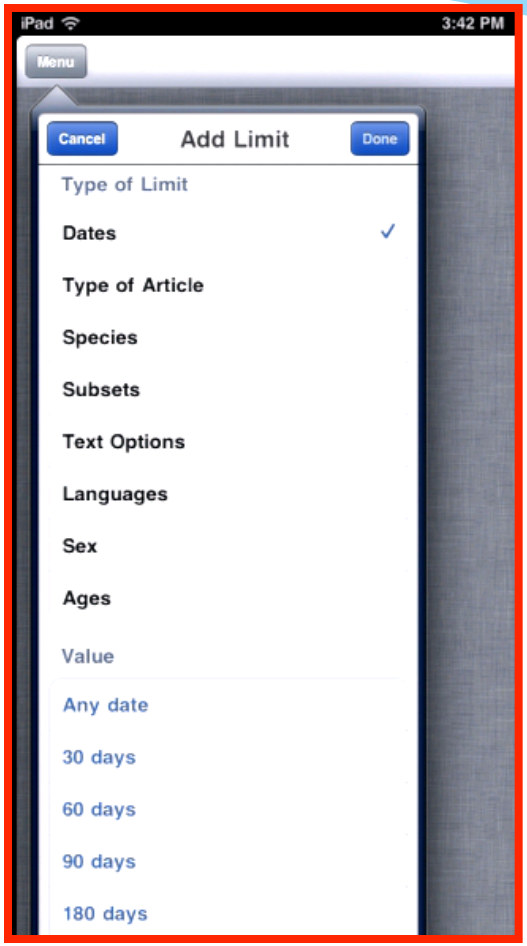

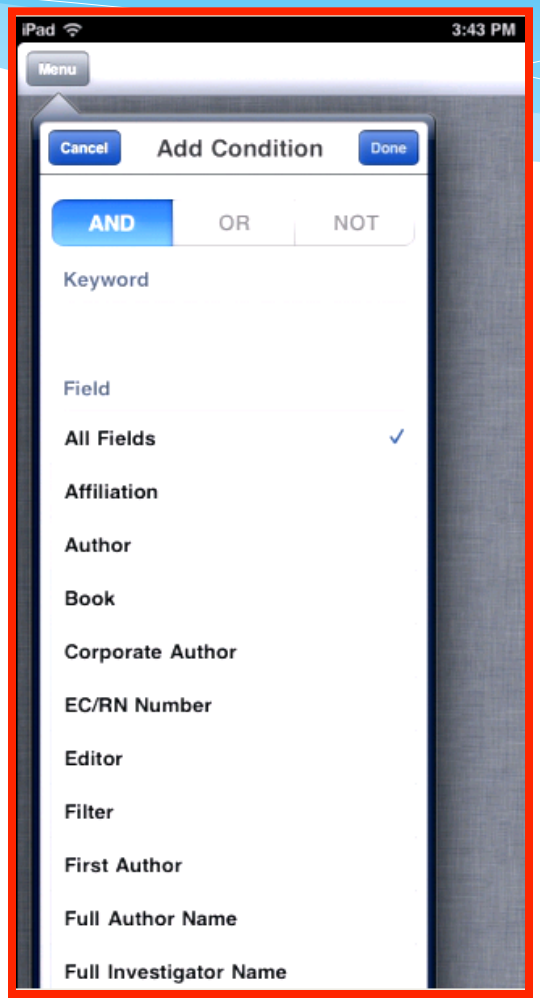

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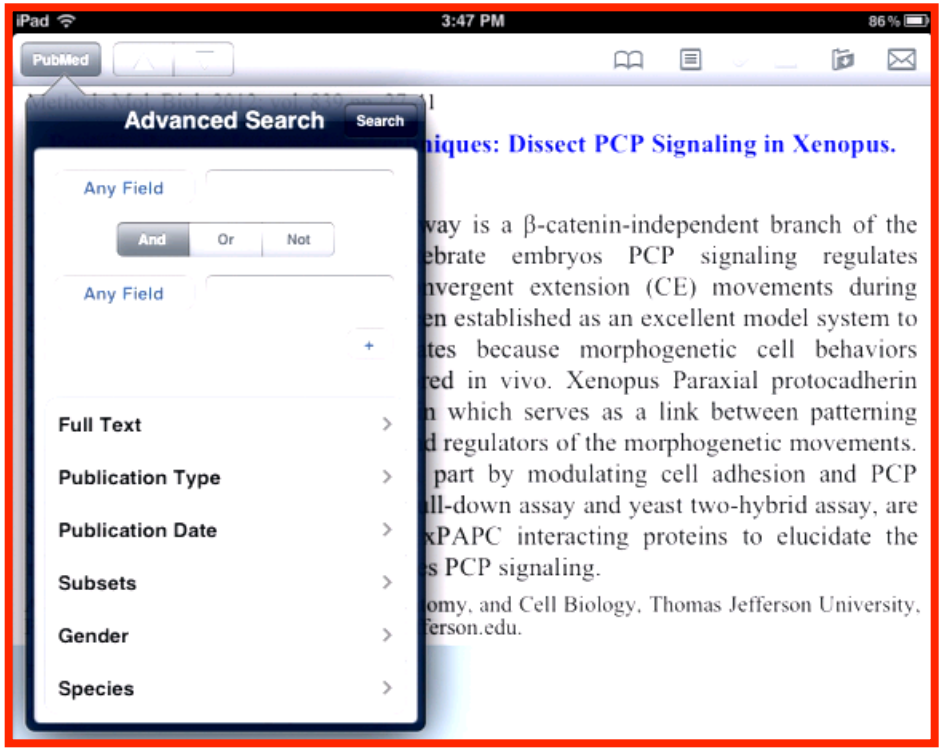

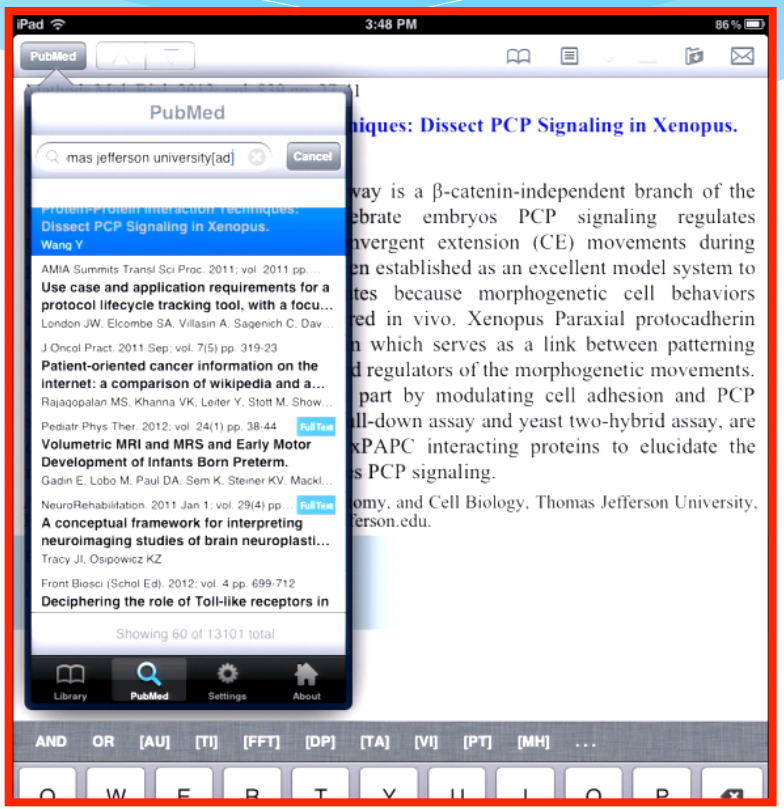

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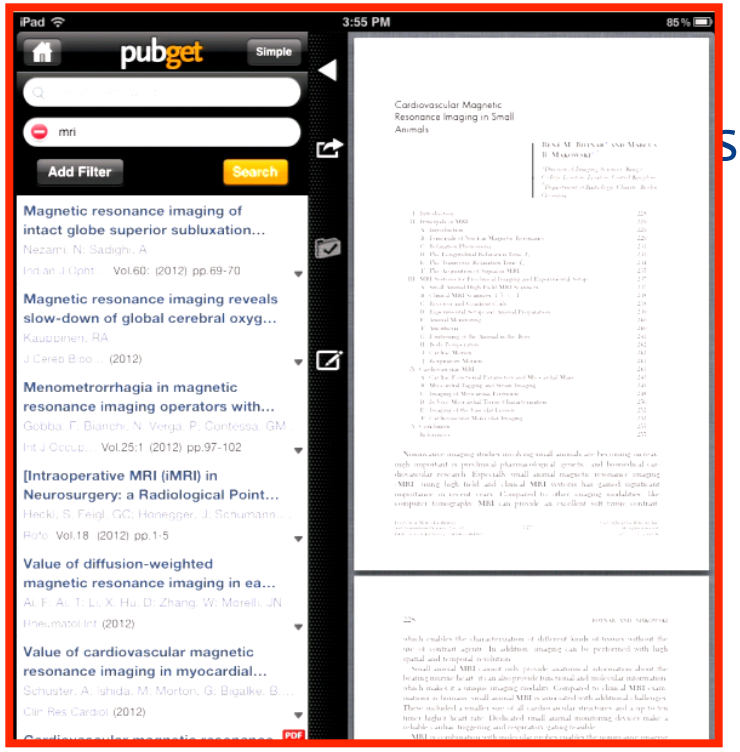
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Magnetic resonance imaging reveals slow-down of global cerebral oxyg...
Kauppinen, RA
J Cereb Blood ... (2012)
Menometrorrhagia in magnetic resonance imaging operators with...
Gobba, F; Bianchi, N; Verga, P; Contessa, GM
Int J Occup... Vol.25:1 (2012) pp.97-102
[Intraoperative MRI (iMRI) in Neurosurgery: a Radiological Point...
Heckl, S; Feigl, GC; Honegger, J; Schumann...
Rofo Vol.18 (2012) pp.1-5
Value of diffusion-weighted magnetic resonance imaging in ea...
Ai, F; Ai, T; Li, X; Hu, D; Zhang, W; Morelli, JN
Rheumatol Int (2012)
Value of cardiovascular magnetic resonance imaging in myocardial...
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Clin Res Cardiol (2012)
Cardiovascular Magnetic Resonance Imaging in Small Animals

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[Intraoperative MRI (iMRI) Neurosurgery: a Radiolog
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Rheumatol Int (2012)
Value of cardiovascular magnetic resonance imaging in myocardial...
Schuster, A; Ishida, M; Morton, G; Bigalke, B...
Clin Res Cardiol (2012)
Cardiovascular magnetic resonance imaging in small animals.
Botnar, RM; Makowski, MR
Prog Mol Biol ... Vol.105 (2012) pp.227-261
Extracardiac findings detected by cardiac magnetic resonance imaging
Wyttenbach, R; Mediboni, N; Santini, P; Vock, P...
Eur Radiol (2012)
Articularis genus: an anatomic and MRI study in cadavers.
Woodley, SJ; Latimer, CP; Meikle, GR; Stringe...
J Bone Joint... Vol.94:1 (2012) pp.59-67
Clinical Radiology
MRI features of the complete histopathological response of locally advanced rectal cancer to neoadjuvant chemoradiotherapy
Introduction

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* itunes and Android
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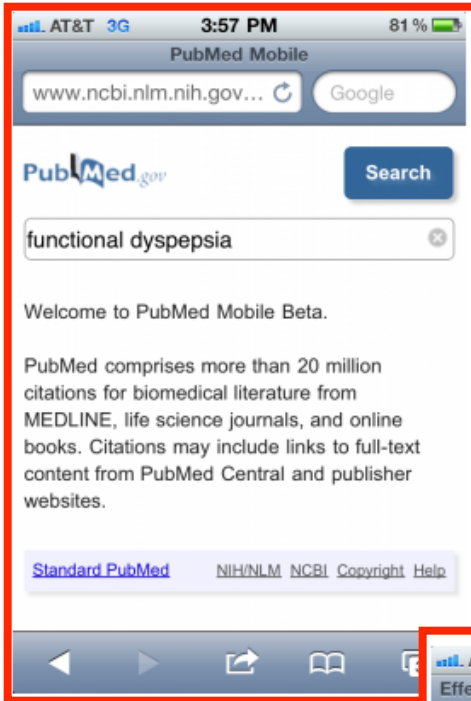
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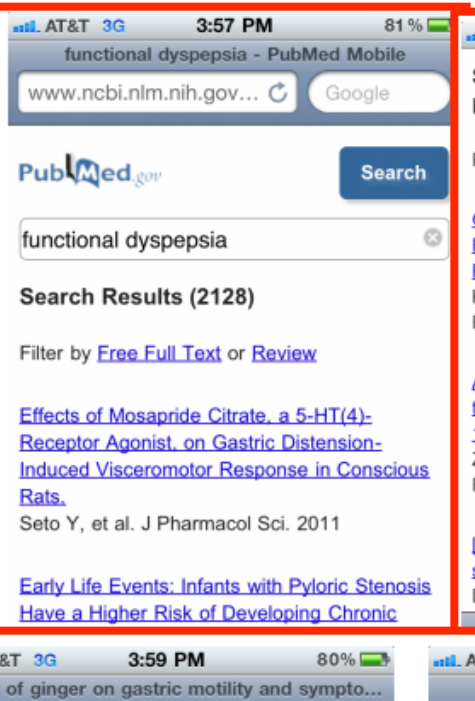
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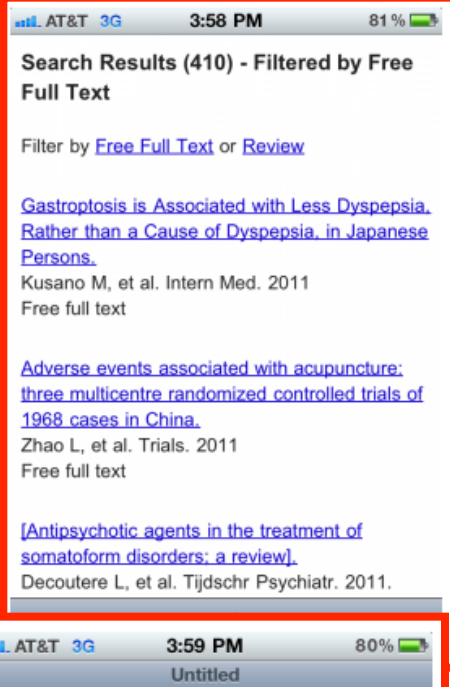
Effects of Mosapride Citrate, a 5-HT(4)-Receptor Agonist, on Gastric Distension-Induced Visceromotor Response in Conscious Rats.
Seto Y, et al. J Pharmacol Sci. 2011
Early Life Events: Infants with Pyloric Stenosis Have a Higher Risk of Developing Chronic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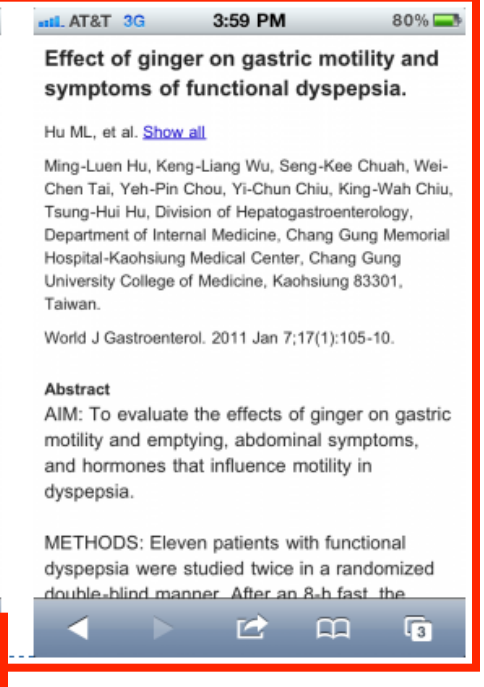
Zhao L, et al. Trials. 2011
Free full text
[Antipsychotic agents in the treatment of somatoform disorders: a review].
Decoutere L, et al. Tijdschr Psychiatr. 2011.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Effect of ginger on gastric motility and symptoms of functional dyspepsia.
Hu ML, et al. Show all
Ming-Luen Hu, Keng-Liang Wu, Seng-Kee Chuah, Wei-Chen Tai, Yeh-Pin Chou, Yi-Chun Chiu, King-Wah Chiu, Tsung-Hui Hu, Division of Hepatogastroenterology, Department of Internal Medicine, Chang Gung Memorial Hospital-Kaohsiung Medical Center, Chang Gung University College of Medicine, Kaohsiung 83301, Taiwan.
World J Gastroenterol. 2011 Jan 7;17(1):105-10.
Abstract
AIM: To evaluate the effects of ginger on gastric motility and emptying, abdominal symptoms, and hormones that influence motility in dyspepsia.
METHODS: Eleven patients with functional dyspepsia were studied twice in a randomized

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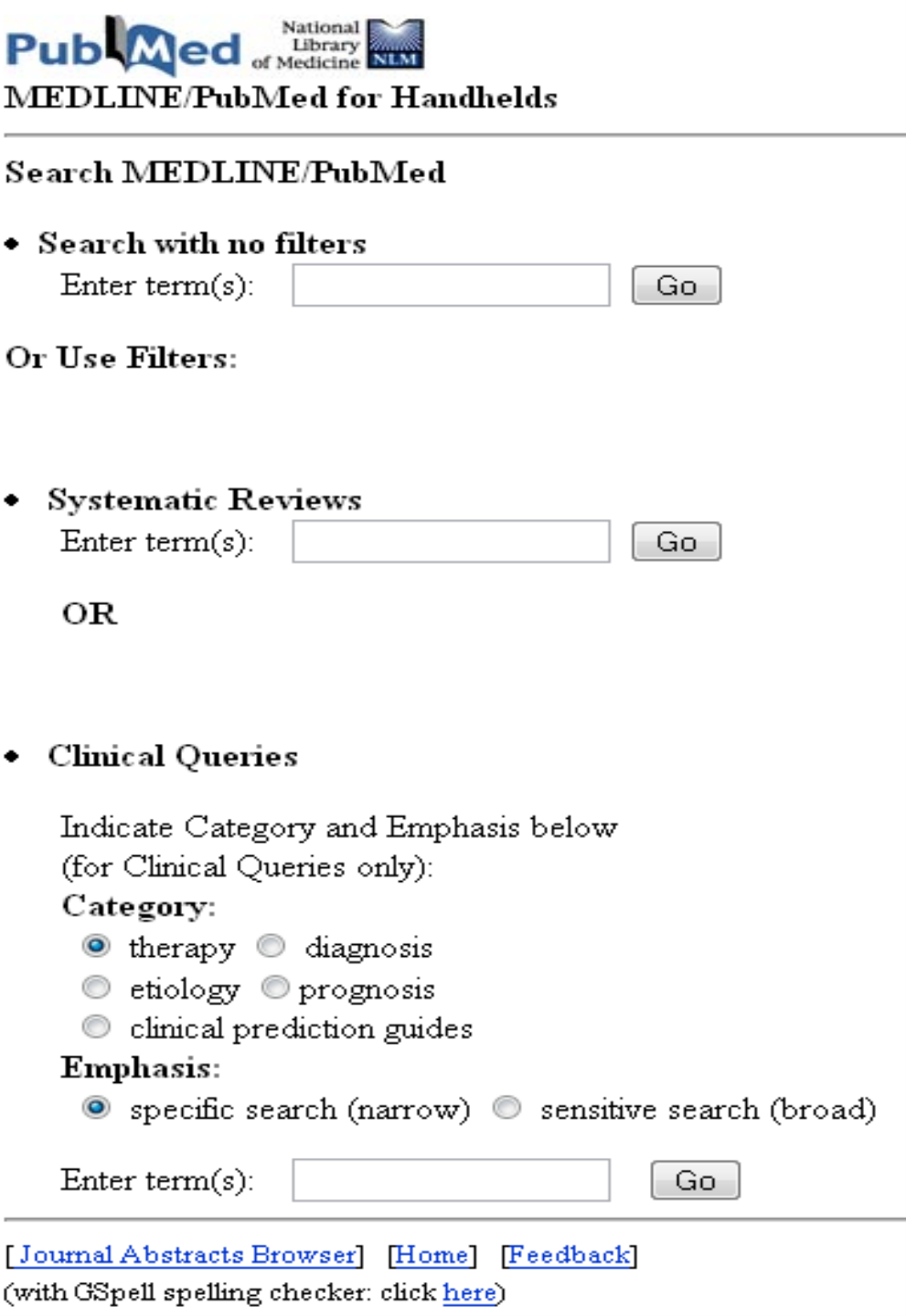
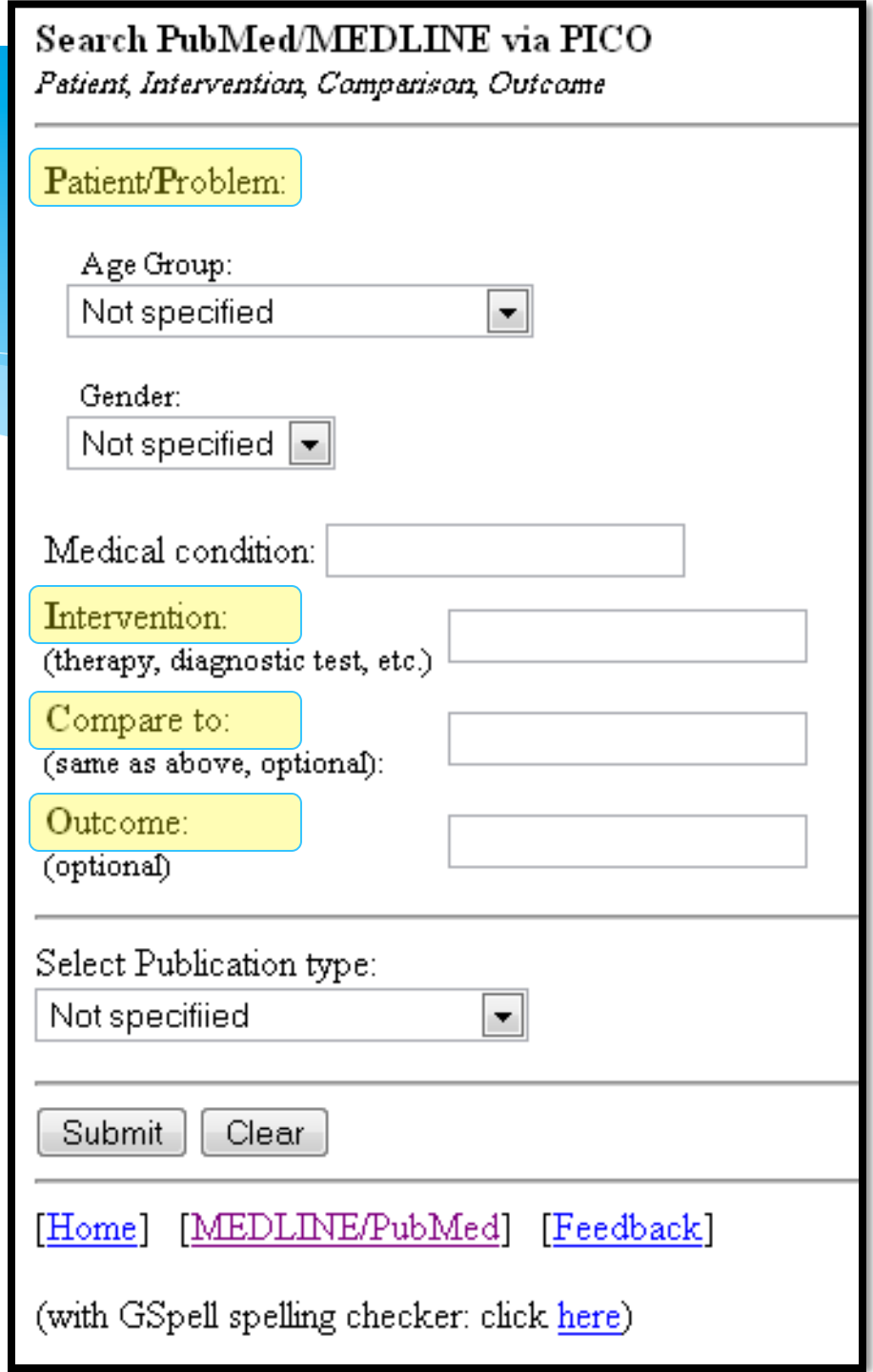


PICO search

* http://pubmedhh.nlm.nih.gov/nlm/pico/piconew.html



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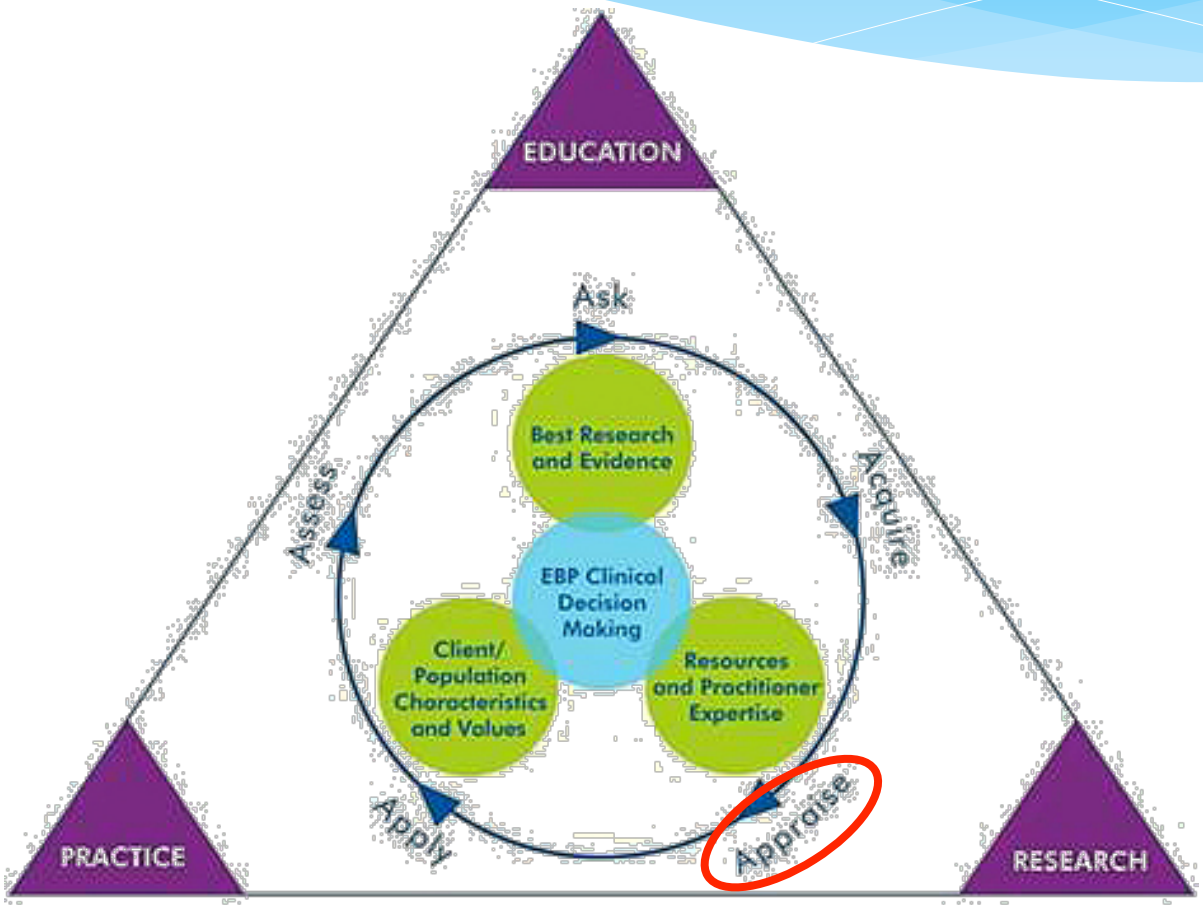
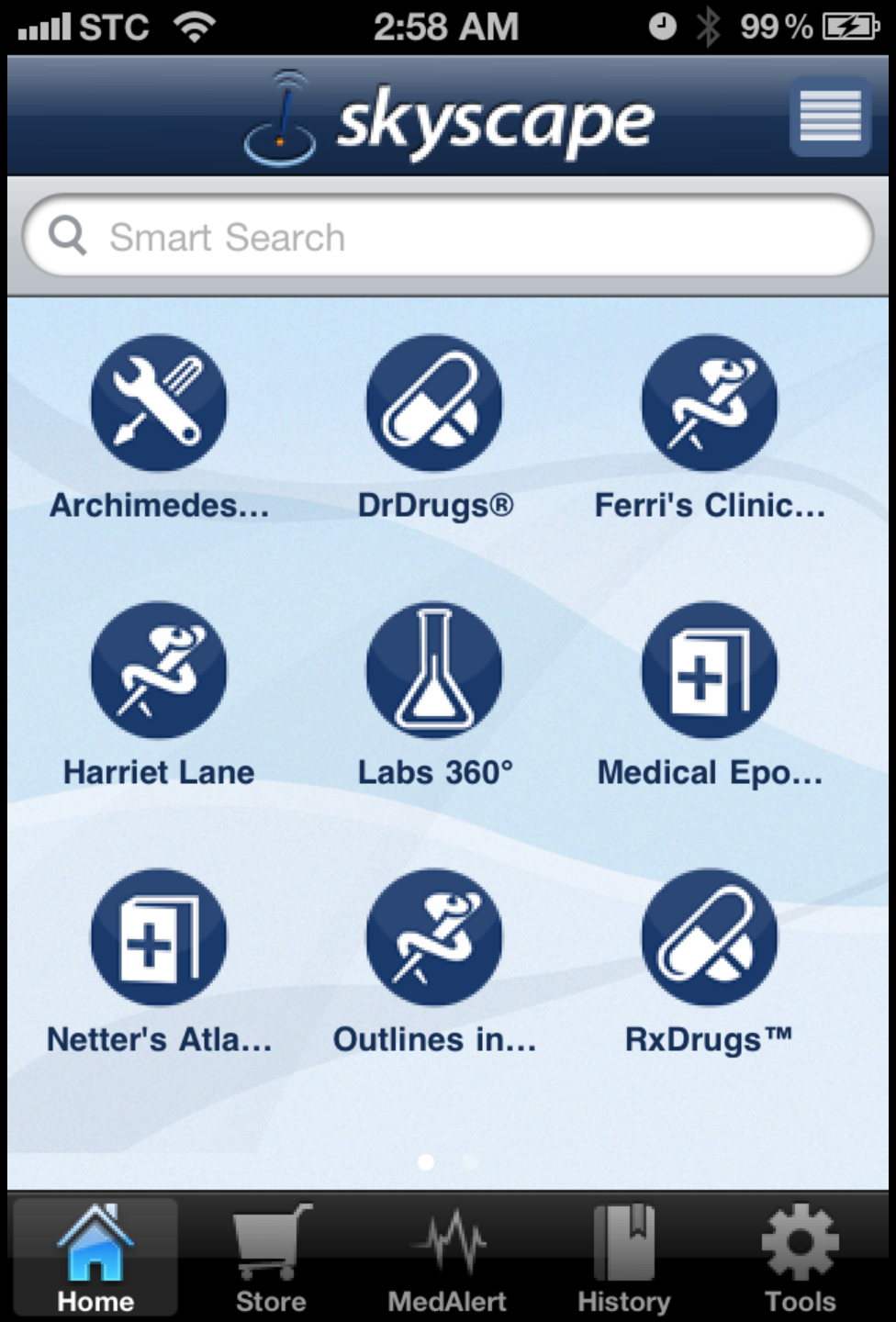


The EBM Process	PDA Resources
Ask	PICO-maker from the University of Alberta http://www.library.ualberta.ca/pdazone/pico/
Acquire	**Background questions** Textbook-type materials (e.g., 5-Minute Clinical Consult series) http://skyscape.com, et.al. Drug resources (e.g., Epocrates; CPOnHand) **Foreground questions** National Guideline Clearinghouse www.ngc.gov Clinical Evidence http://www.clinicalevidence.com/ceweb/products/PDA.jsp NLM Mobile http://www.nlm.nih.gov/mobile/
Appraise	EBM Calculator from the University of Toronto's Centre for Evidence-Based Medicine http://www.cebm.utoronto.ca/palm/eb

What Medical Calculator do you use?

1. Skyscape Archimedes/ Archimedes 360
2. Doctorcalc
3. Thompson Clinical Xpert (formerly MobileMicromedex)
4. MedScape Calculator
5. AgileMedCalc
6. EBM Calculator
7. MedCalc
8. Other
9. None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Ferri's Clinic...
Harriet Lane
Labs 360°
Medical Epo...
Netter's Atla...
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Store
MedAlert
History
Tools

No. Needed to Treat

Ctrl.Gr. (Total)

Ctrl.Gr. (w/ Cond)

Act.Tx Grp. (Total)

Act.Tx Grp. (w/ Cond)

clear

No. needed to treat

Precision [0.00]

No. Needed to Treat =

The number of patients you need to treat in order to prevent condition

Probability from Odds

Odds

proportion

clear

Probability that a particular event will occur is the ratio of the number of ways the event can occur to the total number of possible outcomes.

Odds are the number of ways an event can occur divided by the number of ways an event cannot occur.

An illustrative example is given below:

Q. Find the probability of randomly selecting the letter *p* in the word "Mississippi."

STC
2:58 AM
99 %
Back
Archimedes 360°
Main Index
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look for
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6 H's - 6 T's
A
A-a gradient
Aa gradient (Alveolar gas equation)
ABCD stroke score
ABG analyzer
ABI (Periph vasc dz)
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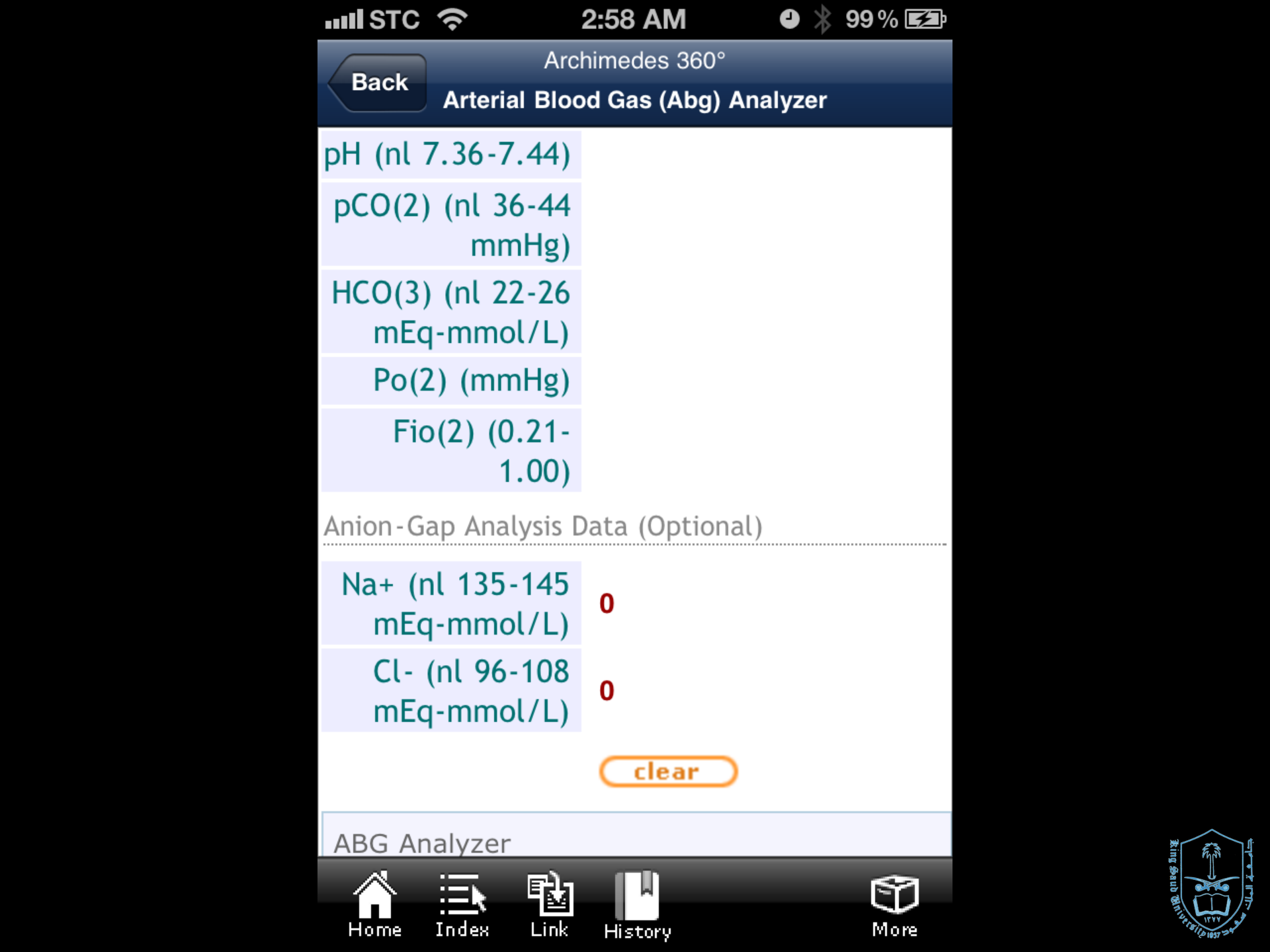
STC
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Archimedes 360°
Arterial Blood Gas (Abg) Analyzer
pH (nl 7.36-7.44)
pCO(2) (nl 36-44 mmHg)
HCO(3) (nl 22-26 mEq-mmol/L)
Po(2) (mmHg)
Fio(2) (0.21-1.00)
Anion-Gap Analysis Data (Optional)
Na+ (nl 135-145 mEq-mmol/L)
0
Cl- (nl 96-108 mEq-mmol/L)
0
clear
ABG Analyzer
Home
Index
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History
More

Which mobile drug reference app should I use?

A. ePocrates
B. Micromedex
C. Medscape
D. Lexi drugs
E. Skyscape DrDrugs
F. Skyscape AHFS Drug Information
G. Medical Letter
H. Other

PDA vs Online Drug Information Databases

Medscape® www.medscape.com

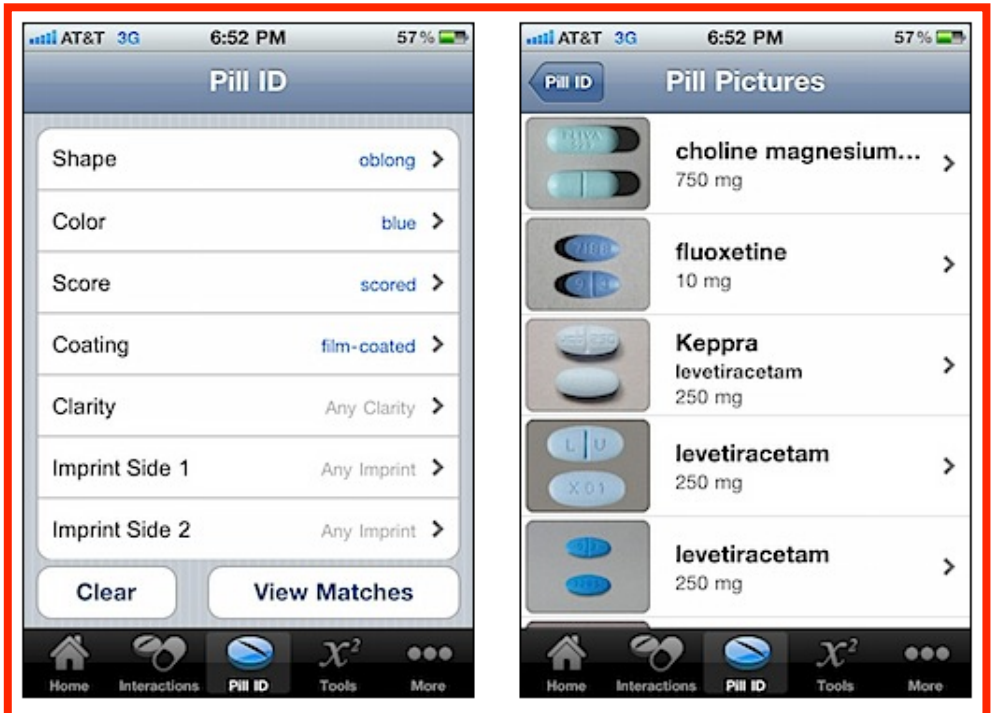
Question Category (no. of questions)	CP		EF		EP		LC		MM	
	PDA	Online	PDA	Online	PDA	Online	PDA	Online	PDA	Online
	No. of Questions Answered Correctly									
Dosage, schedule (17)	15	16	12	12	12	13	13	13	14	15
Drug interactions (17)	14	14	12	12	13	13	13	13	13	15
Methods of administration (13)	12	12	10	10	10	12	12	12	11	13
Adverse drug reactions (13)	10	13	9	9	9	9	12	12	9	13
Over-the-counter products (13)	5	11	4	4	4	4	9	9	0	6
Indications, unlabeled uses (11)	11	11	6	6	6	6	10	10	7	10
Identification, content (10)	5	10	5	5	5	7	6	9	5	8
Pharmacokinetics (10)	2	8	3	3	5	5	7	8	5	9
Compatibility, stability (9)	4	8	1	1	4	4	9	9	4	8
Contraindications (9)	6	9	5	5	6	6	7	7	9	9
Dietary supplements (8)	7	8	0	0	7	7	1	6	7	8
Pharmacology, MOA (8)	4	8	7	7	7	7	8	8	5	7
Pregnancy and lactation (8)	5	7	6	6	6	6	8	8	7	8
Foreign drug identification (7)	0	1	0	0	0	0	0	3	0	3
Cost and economics (5)	0	1	4	4	4	4	4	4	0	0
	Percentage of Total Questions									
Total questions (158)	63.3	86.7	53.2	53.2	62.0	65.2	75.3	82.9	60.8	83.5

CP = Clinical Pharmacology OnHand and online; EF = Epocrates Rx Free and Online Free; EP = Epocrates Rx Pro and Online Premium; LC = Lexi-Drugs and Lexi-Comp Online; MM = *mobile*Micromedex and Micromedex; PDA = personal digital assistant; MOA = mechanism of action.

Source: Pharmacotherapy © 2007 Pharmacotherapy Publications

Epocrates

* Premium version runs $99-199 yearly
* Itunes and Android
* Free version offer Pill ID feature



Epocrates

* Also offers Medication interactions check, but MedScape is more inclusive

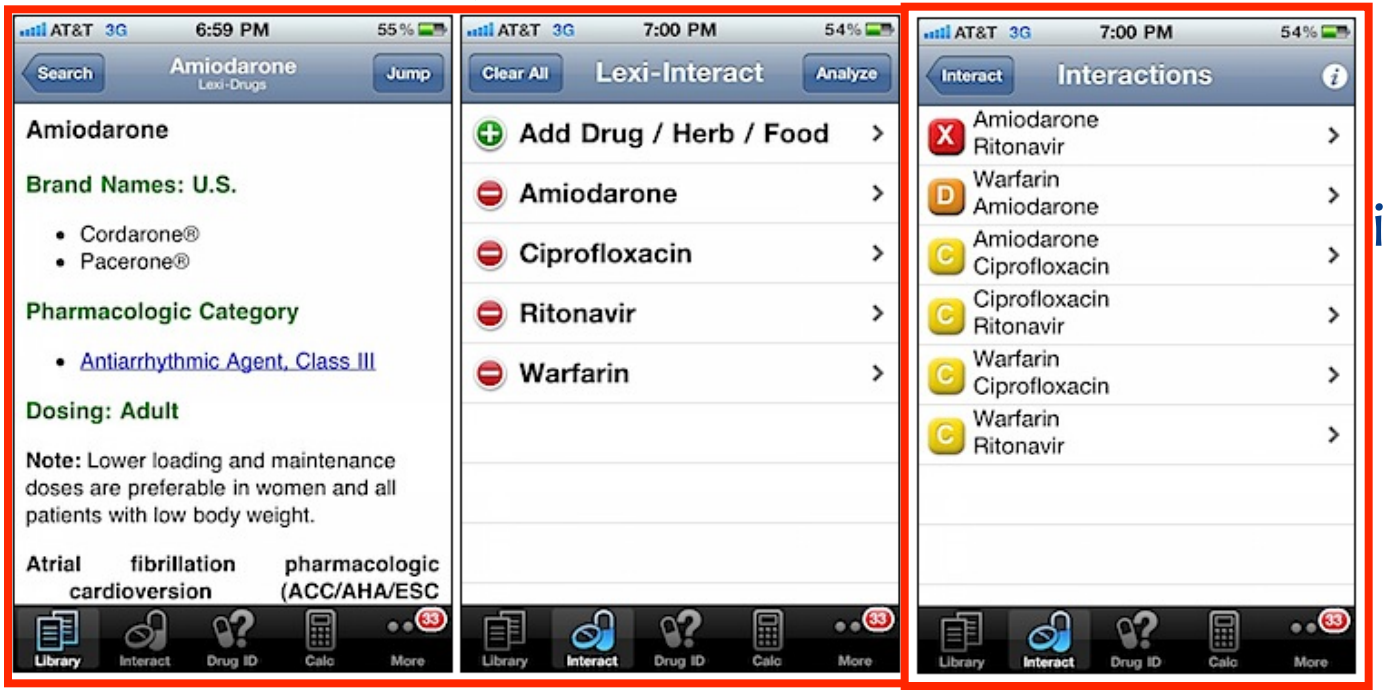
Downsides to Epocrates Free version

* Medical Calculator lacks content compared to MedCalc
* Paid version includes disease monographs with treatment options, infectious diseases and IV compatiblity checker

* Bottom line: Pill ID function is unique and useful

Lexi-Comp

* Library subscribes to web version of Lexi-Comp (no mobile access)



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Sitagliptin: Patient drug information
Glucagon-like peptide-1-based therapies for the treatment of type 2 diabetes mellitus
Sitagliptin and metformin: Drug information
8

Sitagliptin: Patient drug information

Brand Names: U.S.
Brand Names: Canada
Mexican Brand Names
Pharmacologic Category
What key warnings do I need to know about before using this drug?
When is it not safe to use

STC 12:48 AM 84%

Adverse Reactions Significant

As reported with monotherapy:

1% to 10%:

Cardiovascular: Peripheral edema (2%)

Endocrine & metabolic: Hypoglycemia (1%)

Gastrointestinal: Diarrhea (4%), constipation (3%), nausea (2%)

Neuromuscular & skeletal: Osteoarthritis (1%)

Respiratory: Nasopharyngitis (5%), pharyngitis (1%), upper respiratory tract infection (viral; 1%)

1% (Limited to important or life

8

STC 12:50 AM 83%

Pregnancy Risk Factor B (show table)

Pregnancy Implications Adverse events have not been observed in animal reproduction studies; therefore, sitagliptan is classified as pregnancy category B. There are no adequate and well controlled studies in pregnant women. Maternal hyperglycemia can be associated with adverse effects in the fetus, including macrosomia, neonatal hyperglycemia, and hyperbilirubinemia; the risk of congenital malformations is increased when the Hb A_{1c} is above the normal range. Diabetes can also be associated with adverse effects in the mother. Poorly-treated diabetes may cause end-organ damage that may in turn negatively affect obstetric outcomes. Physiologic glucose levels should be

8

STC 12:51 AM 83%

Pricing: U.S. (www.drugstore.com)

Tablets (Januvia)

25 mg (90): $645.98

50 mg (30): $220.99

100 mg (30): $223.99

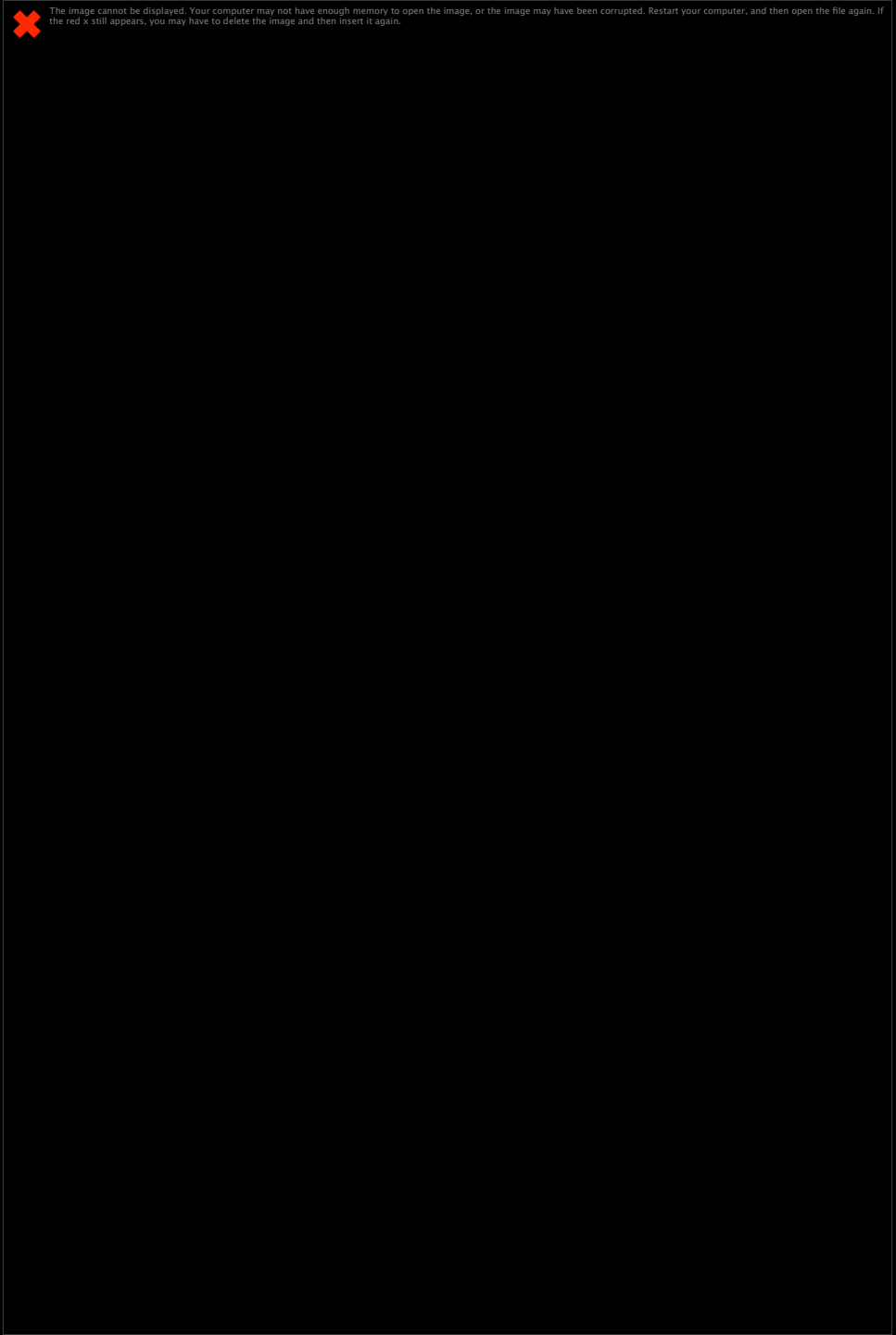
Monitoring Parameters Hb A_{1c}, serum glucose; renal function prior to initiation and periodically during treatment

Reference Range Recommendations for glycemic control in adults with diabetes:

Hb A_{1c}: <7%

Preprandial capillary plasma glucose: 70-

8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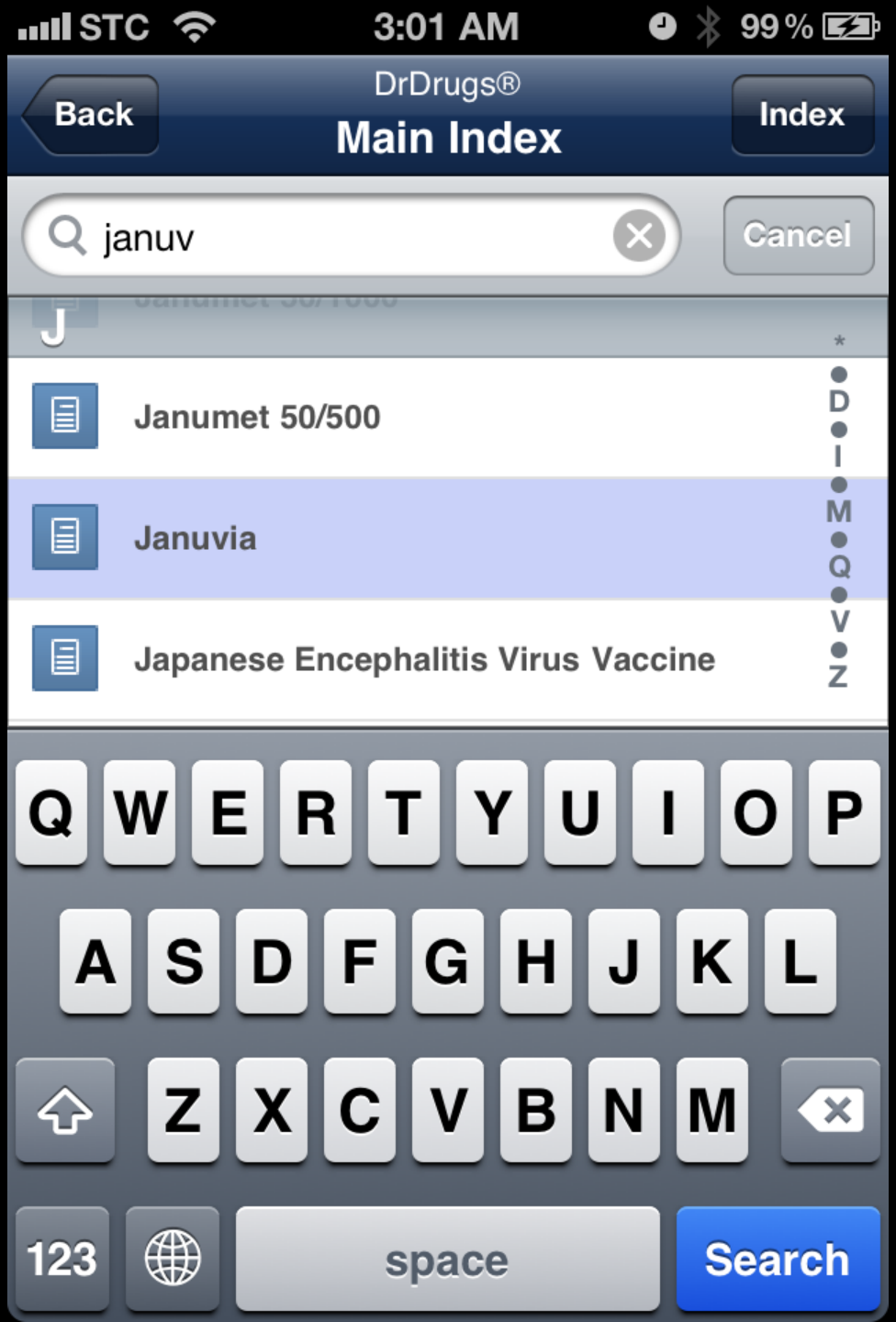
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Sitagliptin

Indications

See Pronunciation

- Adjunct to diet and exercise to improve glycemic control in patients with type 2 diabetes mellitus; may be used as monotherapy or combination therapy with metformin, a thiazolidinedione, a sulfonylurea, or insulin.

Contraind./Precautions

Contraindicated in:

- Type 1 diabetes mellitus.
- Diabetic ketoacidosis.
- Hypersensitivity.

Use Cautiously in:

- Renal impairment (dose ↓ required for CCr <50 mL/min)

MedScape

* Highly ranked mobile application
* Best: medication reference (drug interactions), procedure guide, and clinical reference.
* Over 7,000 medication and continuously updated
* As clinical reference does lack detail for specific illnesses
* A must have application! itunes and Android

STC 3:05 AM 100%

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Reference ▾ Search

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Reference

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EMA Recommends New Warnings on Osteoporosis Drug

News Alert

Medscape

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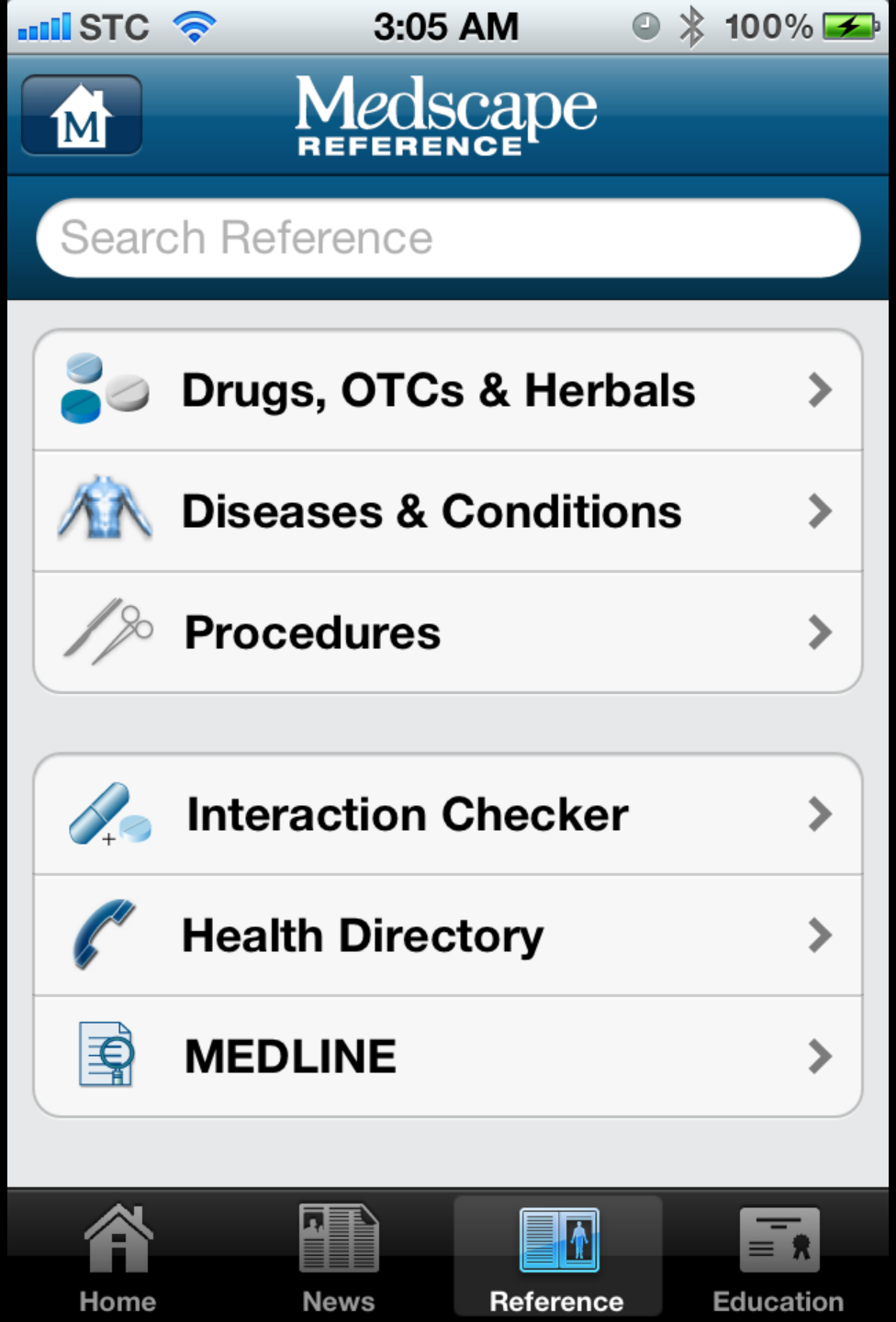
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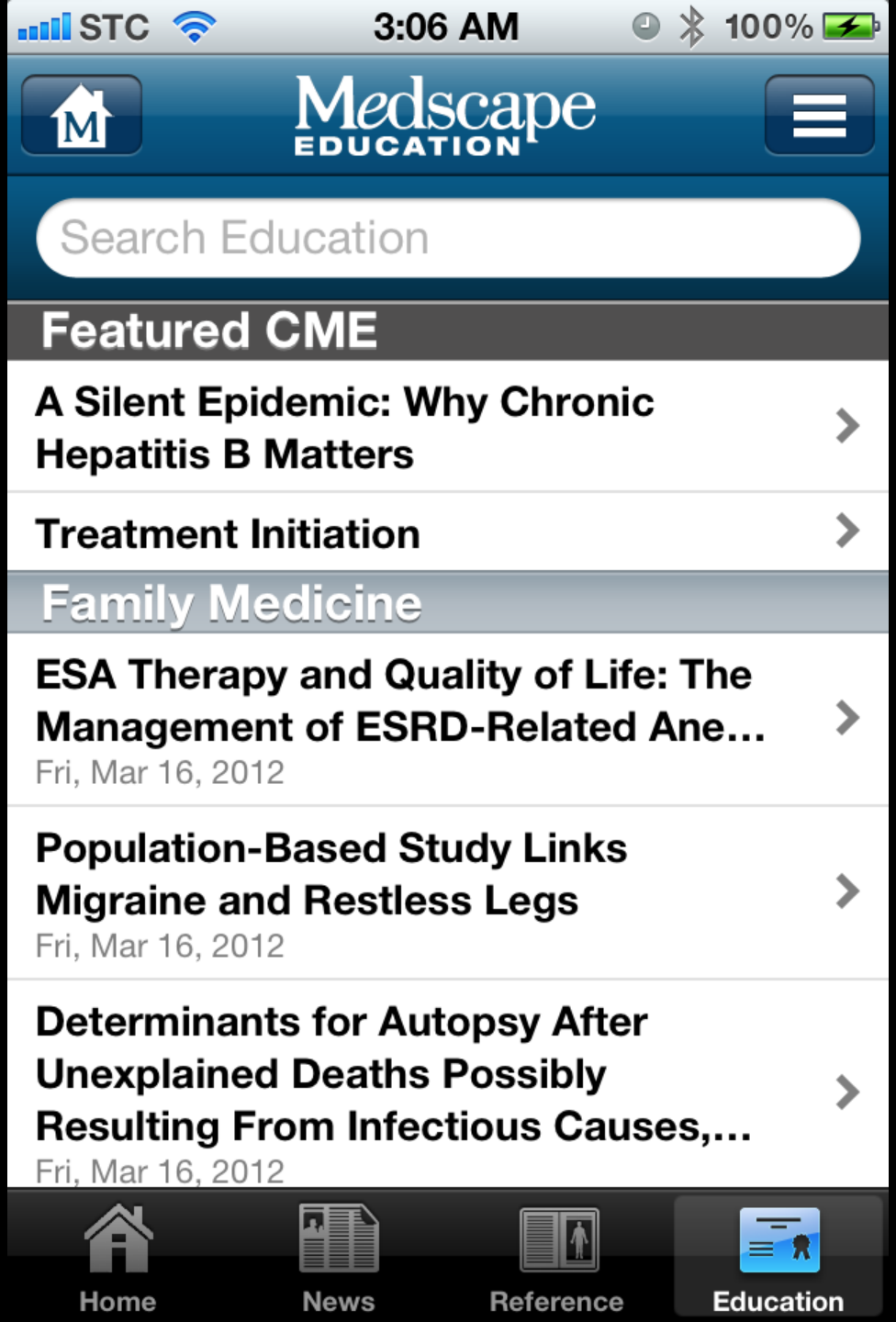
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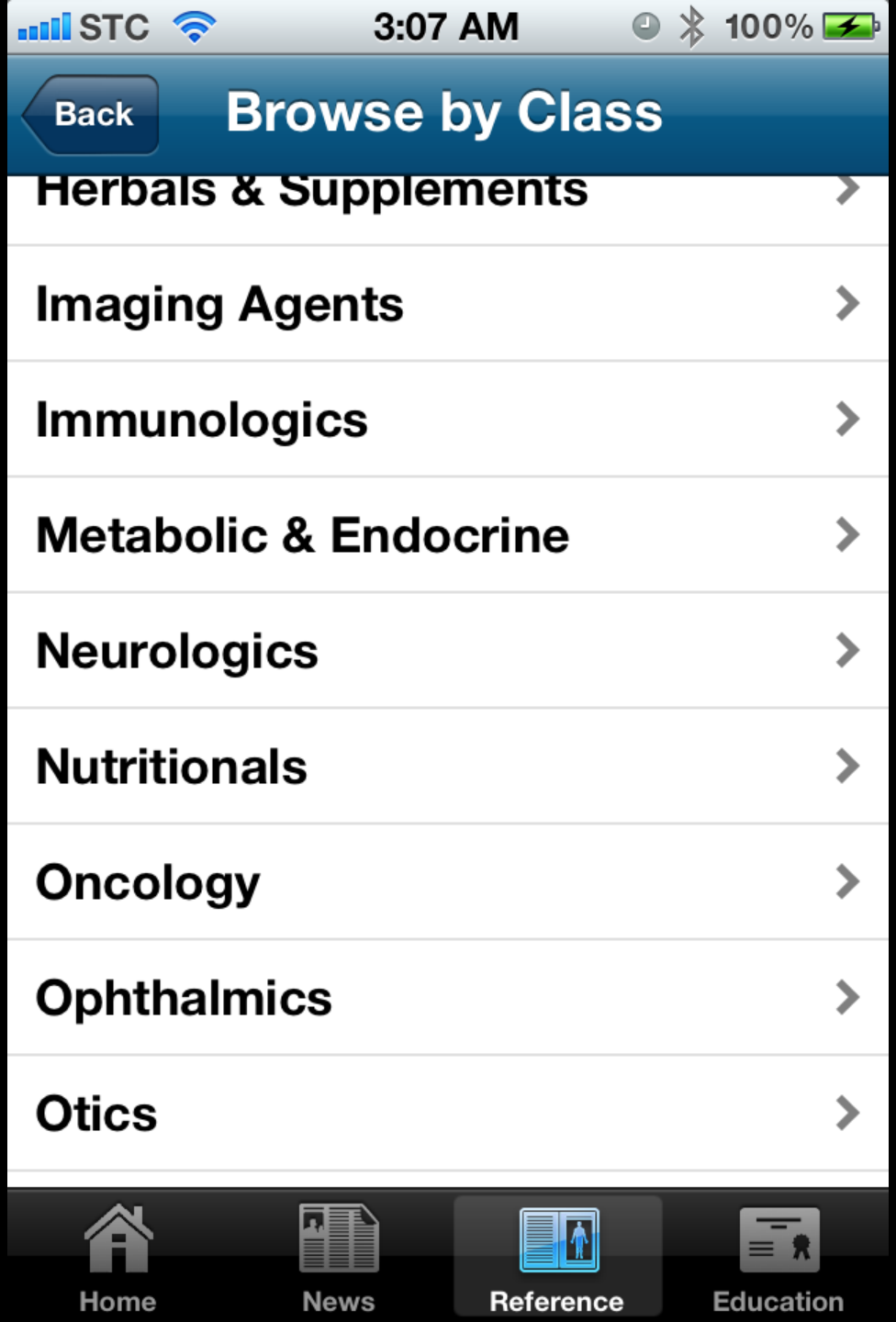
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sitagliptin (Rx)
• Januvia
• Class: Antidiabetics, Dipeptyl Peptid…
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Pediatric Dosing & Uses
Drug Interactions
Adverse Effects
Contraindications & Warnings
Pregnancy & Lactation
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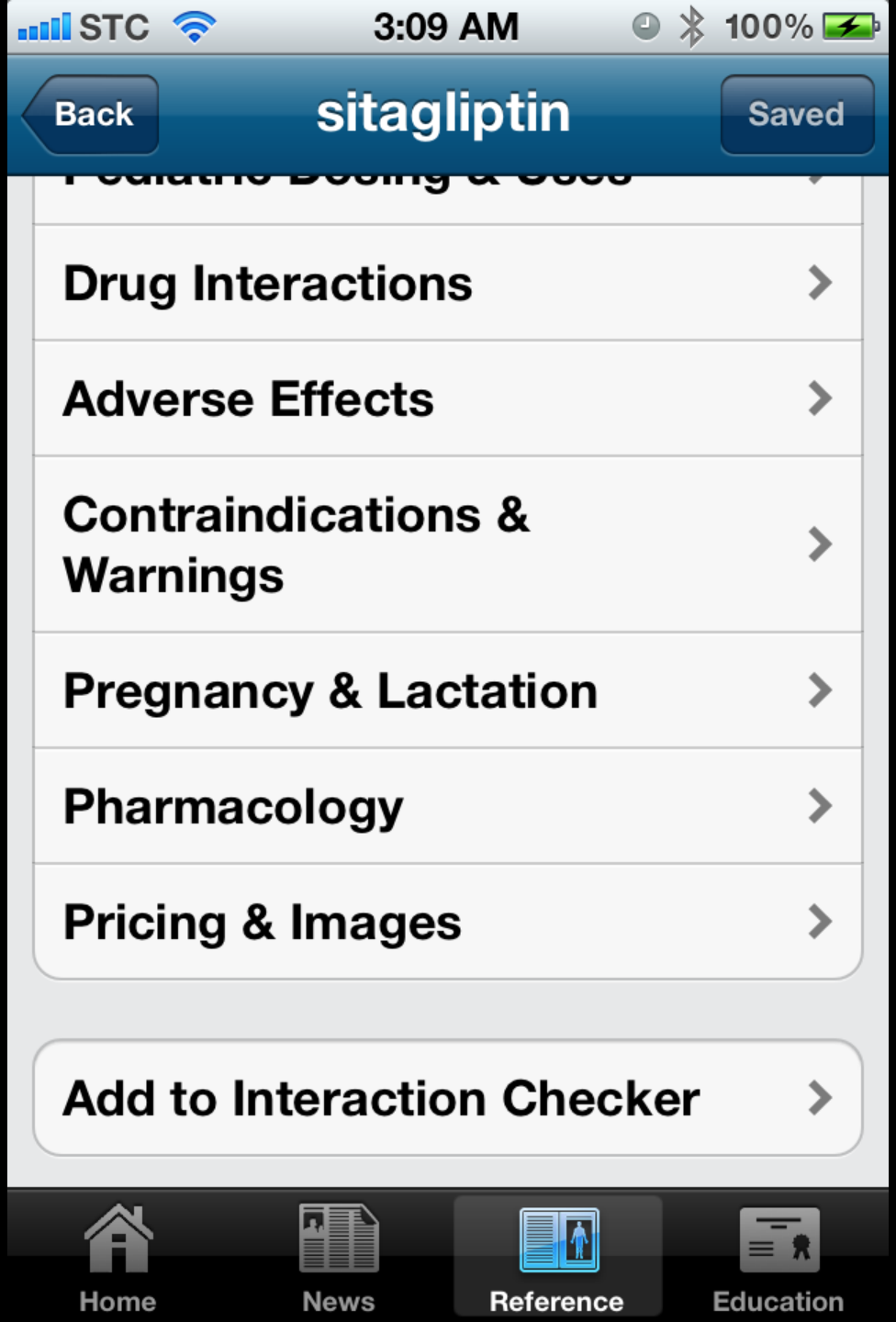
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Adverse Effects

1-10%

- Abdominal pain
- Diarrhea
- Headache
- Nasopharyngitis
- Nausea
- URI
- Generally comparable to placebo

Frequency Not Defined

- Increased creatinine phosphokinase
- Idiopathic thrombocytopenic purpura

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ritonavir
Medscape from WebMD
Reference Interactions News CME More
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9 Interactions Found
Serious – Use Alternative
Amiodarone + Warfarin
Amiodarone increases levels of Warfarin by decreasing metabolism. Possible serious or life-threatening interaction. Monitor closely. Use alternatives if available.
Ritonavir + Warfarin
Ritonavir, Warfarin. Other (see comment). Possible serious or life-threatening interaction. Monitor closely. Use alternatives if available.
Comment: Variable effect on warfarin levels. Initial frequent monitoring of the INR during co-administration is indicated.
Ritonavir + Amiodarone
Ritonavir increases levels of Amiodarone by
Medscape from WebMD
Reference Interactions News CME More

Micromedex

* Straightforward user interface, not include references from desktop version
* Includes mechanism of action and clinical teaching section
* Contains the Saudi national formulary
* Explains how a given medication works, how to take medication, side effects or toxicity alerts
* Lacks strong drug interaction, itunes and Android, free

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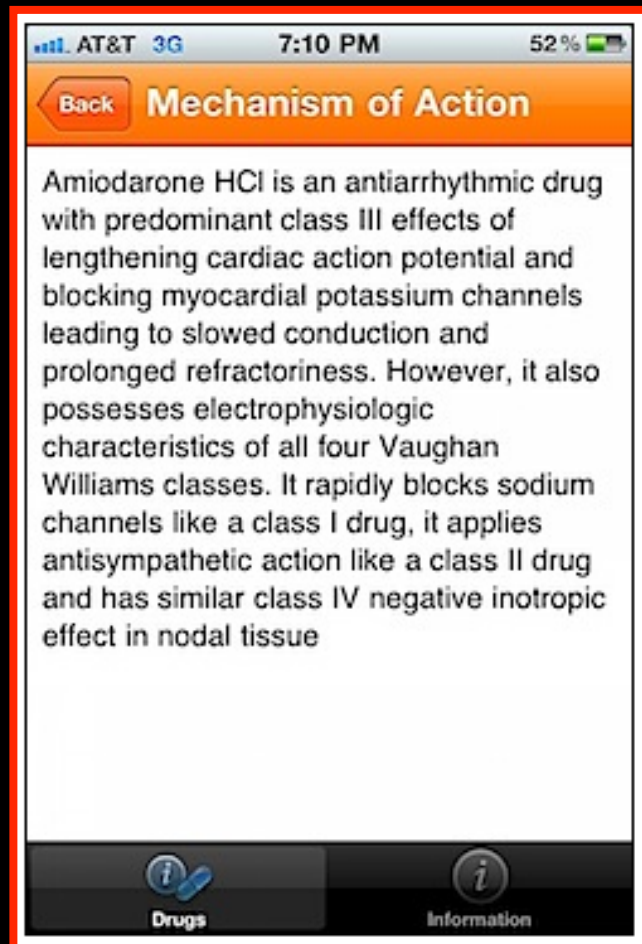
Drugs
Amiodarone…ochloride
Generic Names
Dosing and Indications
Black Box Warning
Contraindications/Warnings
Drug Interactions
Adverse Effects
Drug Name Info
Mechanism Of Action
Drugs
Information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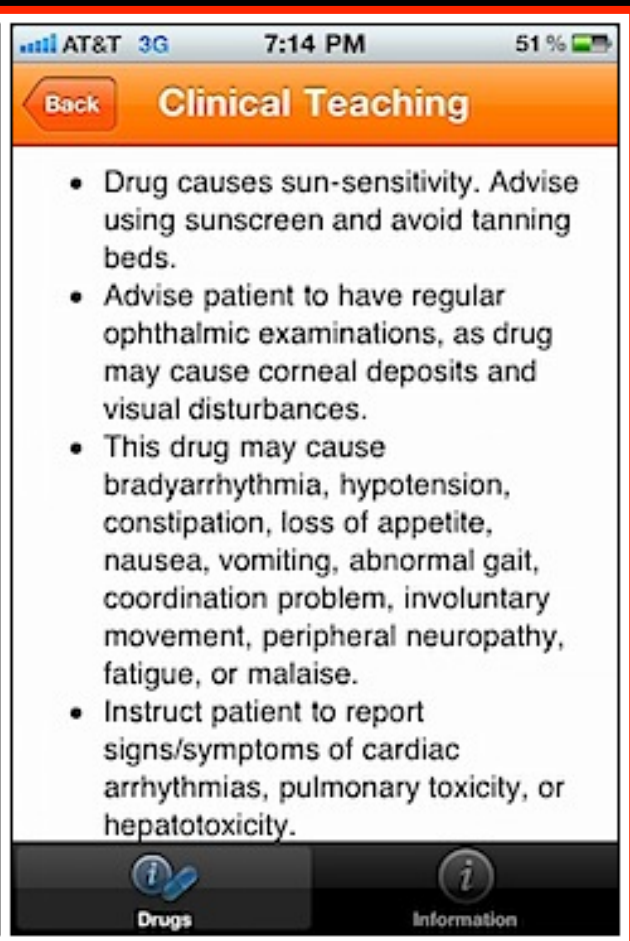
Mechanism of Action
Amiodarone HCl is an antiarrhythmic drug with predominant class III effects of lengthening cardiac action potential and blocking myocardial potassium channels leading to slowed conduction and prolonged refractoriness. However, it also possesses electrophysiologic characteristics of all four Vaughan Williams classes. It rapidly blocks sodium channels like a class I drug, it applies antisympathetic action like a class II drug and has similar class IV negative inotropic effect in nodal tissue
Drugs
Information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Clinical Teaching
Drug causes sun-sensitivity. Advise using sunscreen and avoid tanning beds.
Advise patient to have regular ophthalmic examinations, as drug may cause corneal deposits and visual disturbances.
This drug may cause bradyarrhythmia, hypotension, constipation, loss of appetite, nausea, vomiting, abnormal gait, coordination problem, involuntary movement, peripheral neuropathy, fatigue, or malaise.
Instruct patient to report signs/symptoms of cardiac arrhythmias, pulmonary toxicity, or hepatotoxicity.
Drugs
Information

How can I choose the best drug reference app for me?

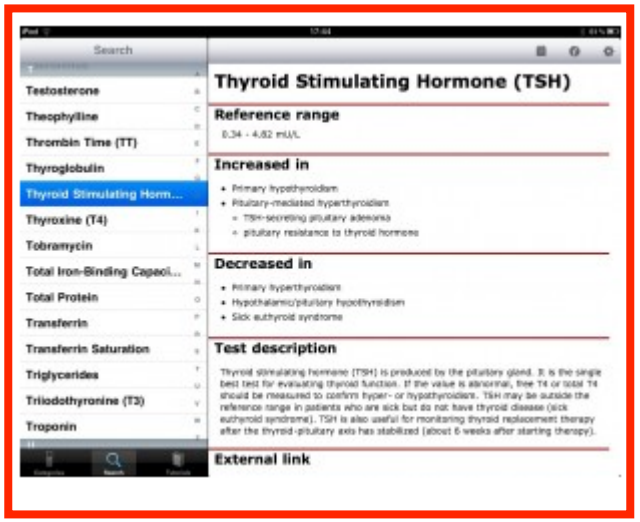
* Try the free version or the free trial
* Ask your librarian about available paid resources
* Do a few searches across all the apps
* Get a feel for their interfaces, quality, organization
* Keep multiple apps, different databases have different strong points

Labs

* Lab 360 from Skyscape (free through SDL)
* LabDx

LabDx

* 27 categories with ~200 laboratory tests
* Includes links to labtestsonline.org
* Downside: No pediatric values
* $9.99, itunes



What social media do you use in your mobile device?

1. SnapChat
2. Instagram
3. WhatsApp
4. Facebook
5. Flicker
6. Google Plus
7. LinkedIn
8. Twitter
9. Word press
10. YouTube
11. Other

What social media do you use in your medical practice?

1. SnapChat
2. Instagram
3. WhatsApp
4. Facebook
5. Flicker
6. Google Plus
7. LinkedIn
8. Twitter
9. Word press
10. YouTube
11. Other

Web 2 Apps

Collaborating Tools:

- Social Networking tools (Facebook, Myspace , Orkut, Linkedin,
- Wiki(Hawaiian langauage) meaning 'Quick'

Contributing to the Web Tools

- Blogging & Microbloging tools(Blogger, Wordpress Twitter)
- Video & Image Sharing tools: Youtube, Flickr

Aggregating and Marking Tools

- Feed Readers: (Google Reader, Bloglines, Netvibes
- Social Bookmarking : Delicious. Connotea (Design for Scientists to bookmark, tag and share)

Medical RSS feeds

* American Journal of Hypertension
* CNN.com - Health News
* eDrugSearch.com's Healthcare 100
* JAMA
* Medical News Today
* Medscape News
* Nature medicine - AOP
* Nature Webfeeds
* NewsIsFree: Sources in Category Health
* NLM RSS Feeds for News, Podcasts, and Webcasts
* Reuters: Health News
* ScienceDaily: Health & Medicine News

What is are podcasts?

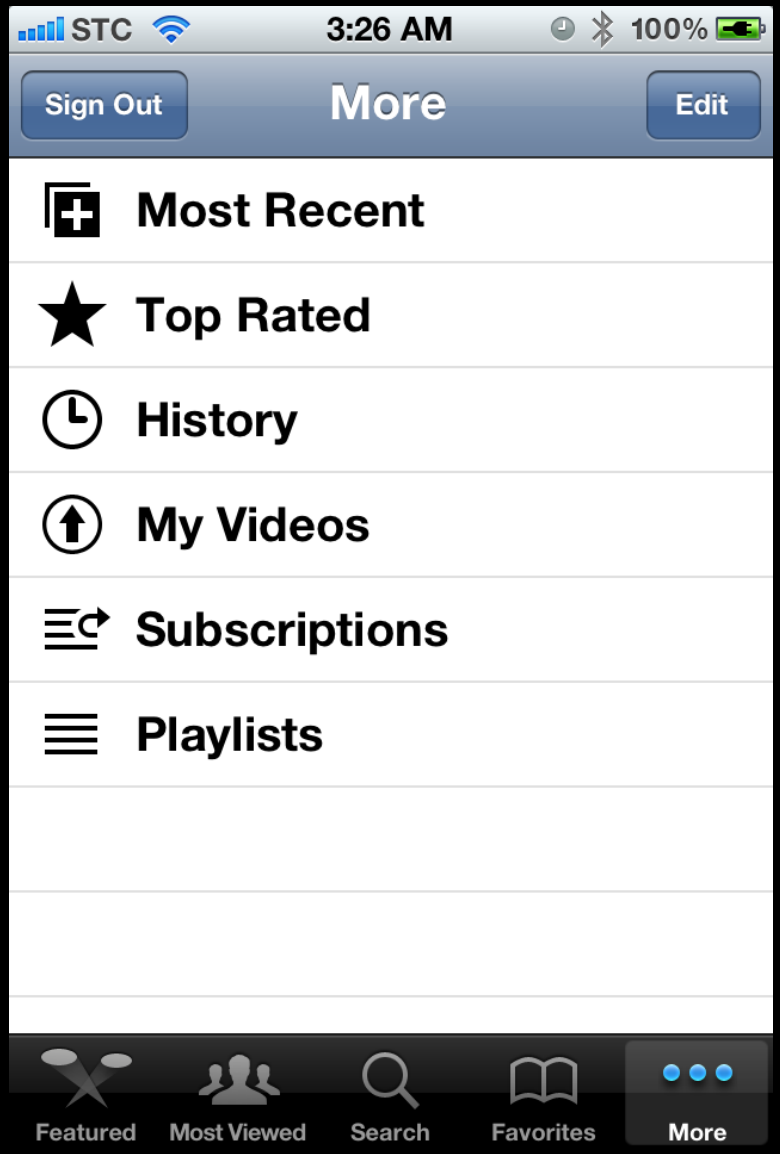
* Podcast = iPod + broadcast (audio file)
* Podcast is a downloadable audio file
  You can subscribe via RSS or iTunes
* You can listen when you commute to work or exercise

Medical Podcasts examples

* Cochrane
* Essential Evidence Plus, POEM of the Week
* Centre for Evidence Based Medicine, Oxford University
* Most of the medical journals
* freemedicalpodcast.com
* LearOutLoud.com

YouTube medical channels

* CEBM Education Channel
* KFSHHealthEdu ي
* 30 Youtube.com Medical Video Channels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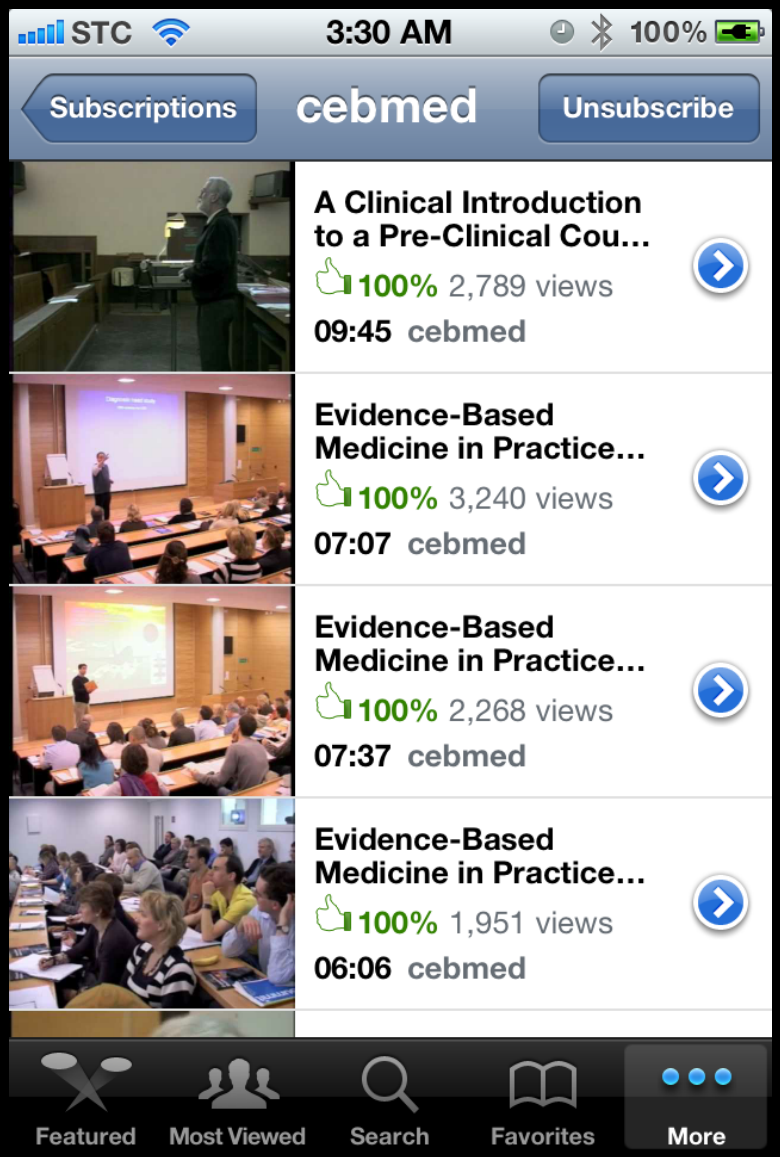
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Impatience, irritability & aggression may be linked to high trans fat diets, according to researchers 1.usa.gov/FOb1g0

WebMD @WebMD 6h
Is your #pet as healthy as possible? See our pet health evaluator to help before you make a trip to the #vet. bit.ly/FPCr18

Medscape @Medscape 7h
#AAD2012: Vitamin D deficiency "epidemic" not from too little sun exposure; sun protection efforts should continue bit.ly/xVchkt

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* Examples
  * School of Medicine, Yale University
  * School of Medicine, Ohio State University

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* RefWorks - RefMobile
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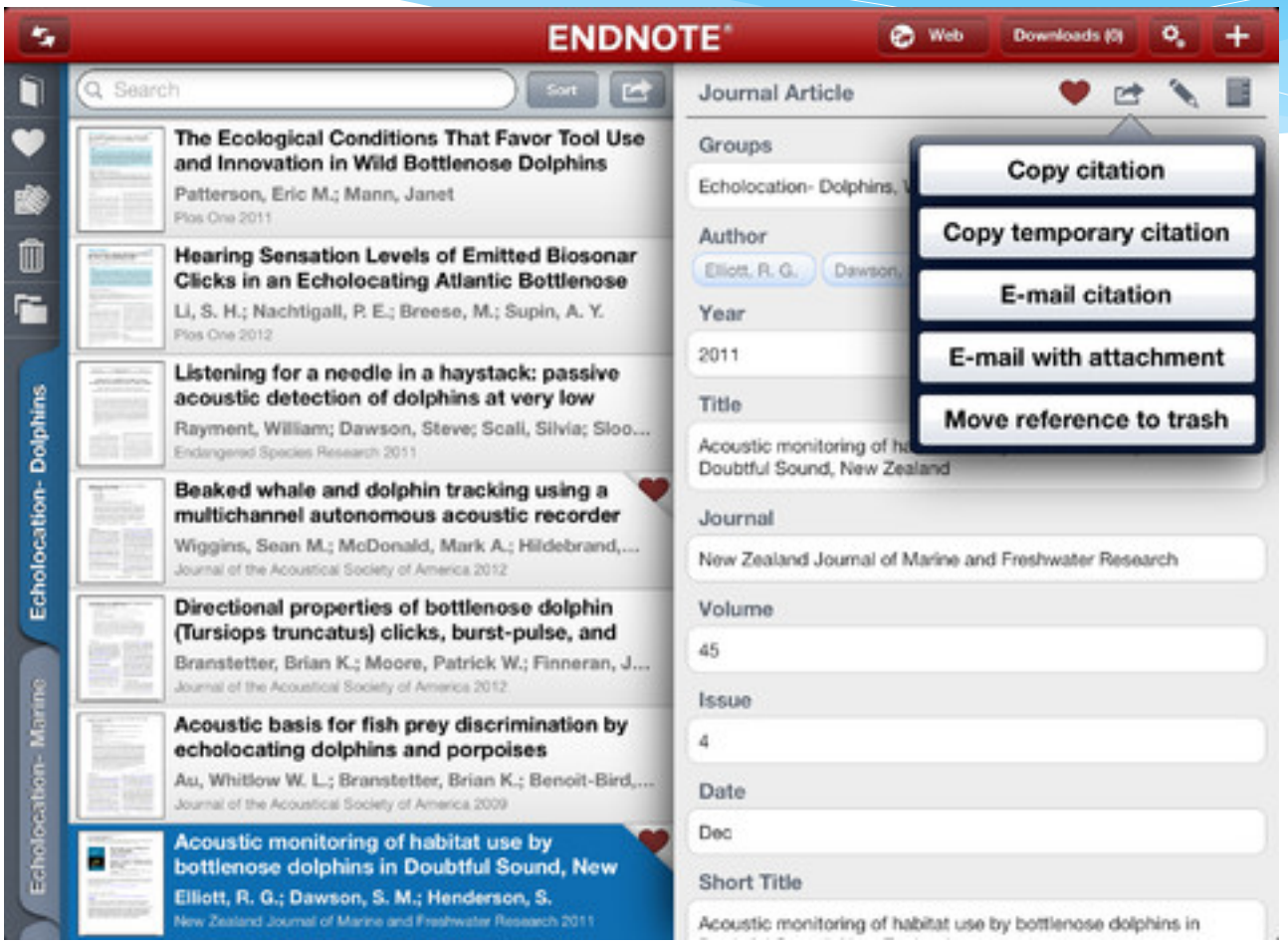
RefMobile

EndNote for iPad



Reference / News applications

NEJM ✓

Harvard Public Health ✓

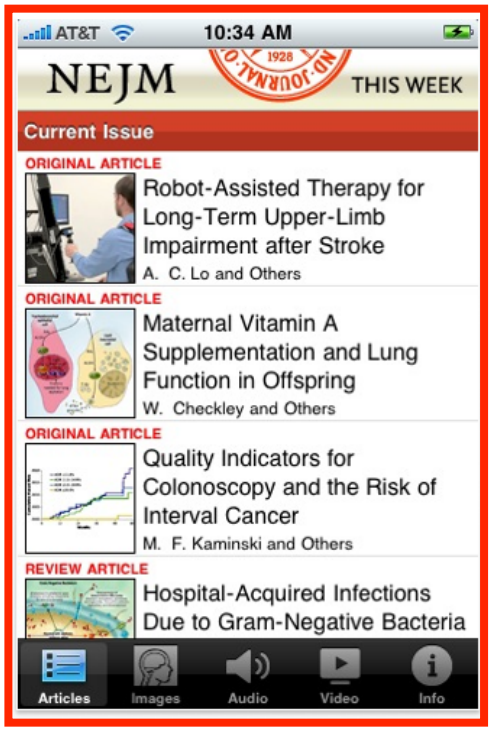
MedPage Today ✓

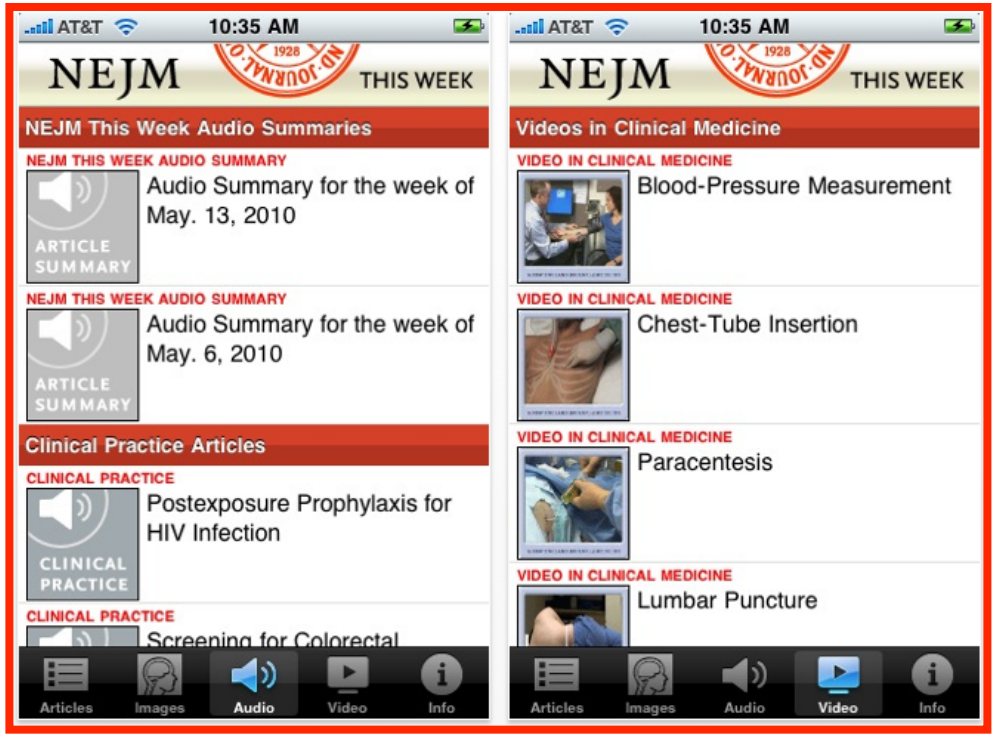
Medscape ✓

Internal Medicine News ✓

NEJM This Week

* Weekly audio summaries, itunes
* Videos of common procedures (paracentesis and lumbar puncture)
* Free





Harvard Public Health

* Videos
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MedPage Today

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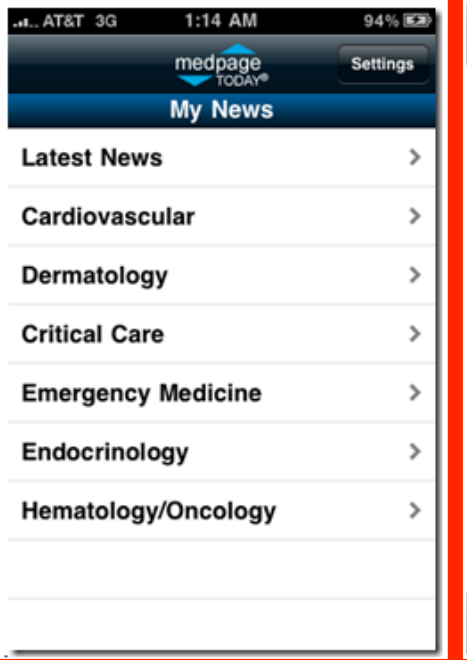
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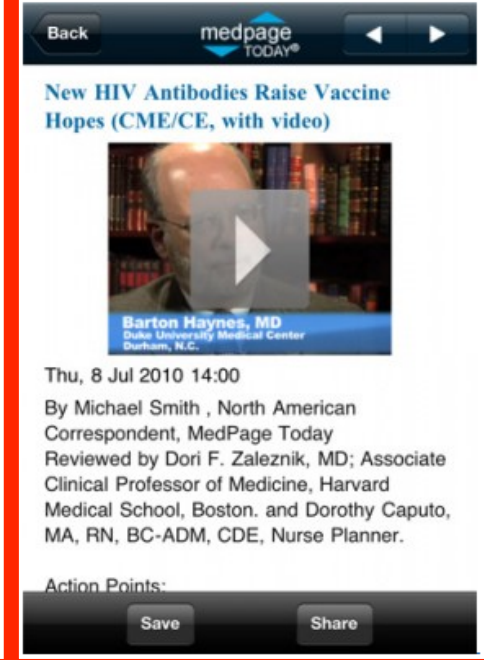
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New HIV Antibodies Raise Vaccine Hopes (CME/CE, with video)
Barton Haynes, MD
Duke University Medical Center
Durham, N.C.
Thu, 8 Jul 2010 14:00
By Michael Smith , North American Correspondent, MedPage Today
Reviewed by Dori F. Zaleznik, MD; Associate Clinical Professor of Medicine, Harvard Medical School, Boston. and Dorothy Caputo, MA, RN, BC-ADM, CDE, Nurse Planner.
Action Points:
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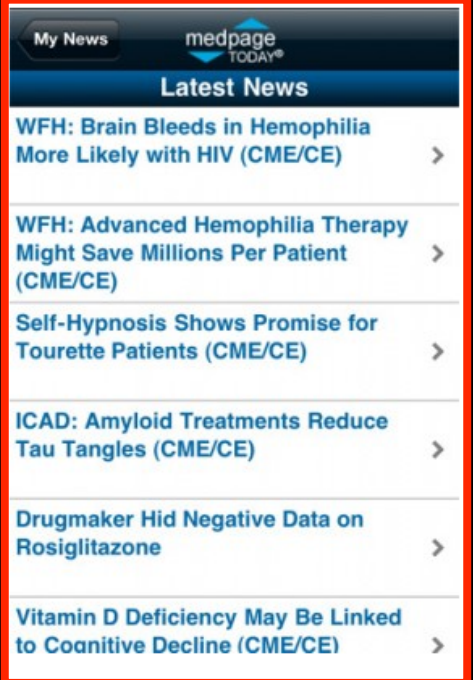
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WFH: Advanced Hemophilia Therapy Might Save Millions Per Patient (CME/CE)
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ICAD: Amyloid Treatments Reduce Tau Tangles (CME/CE)
Drugmaker Hid Negative Data on Rosiglitazone
Vitamin D Deficiency May Be Linked to Cognitive Decline (CME/CE)

Internal Medicine News

* Independent bimonthly newspaper founded in 1968
* Iphone and Itouch, No Android
* Free
* Options include: News, specialty focus, blogs, videos, Facebook
* Include study citations for further reading
* Stories can take time to load depending on connection
* No “most popular” listing yet

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Mindfulness Sessions Eased Arthritis Symptoms
MedPAC to Congress: Replace SGR Now
Inpatient Costs Rise Slower for Elderly Patients
Many Elderly AML Patients Not Receiving Chemotherapy
Physicians Integral in Battling Diabetes Epidemic
DXA Reimbursement Slated to Plummet March 1
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MedPAC to Congress: Replace SGR Now
01-13-2012 12:40
By: FRANCES CORREA, Internal Medicine News Digital Network
FROM A MEETING OF THE MEDICARE PAYMENT ADVISORY COMMISSION
WASHINGTON – The Medicare Payment Advisory Commission voiced its disappointment with Congress' failure to find a permanent fix for Medicare's sustainable growth rate formula (SGR) at its Jan. 12 meeting.
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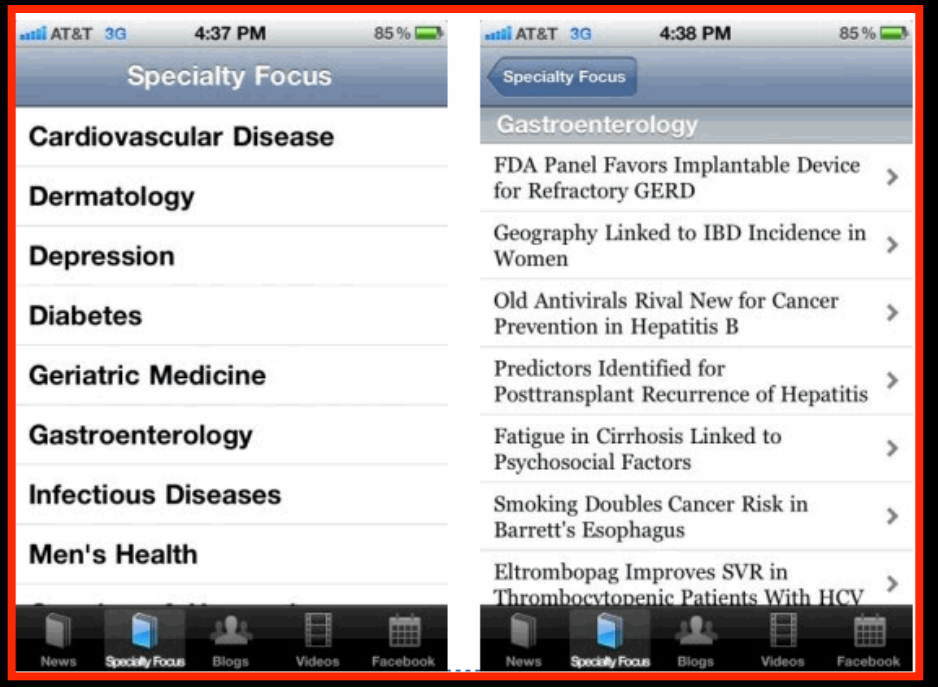
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FDA Panel Favors Implantable Device for Refractory GERD
Geography Linked to IBD Incidence in Women
Old Antivirals Rival New for Cancer Prevention in Hepatitis B
Predictors Identified for Posttransplant Recurrence of Hepatitis
Fatigue in Cirrhosis Linked to Psychosocial Factors
Smoking Doubles Cancer Risk in Barrett's Esophagus
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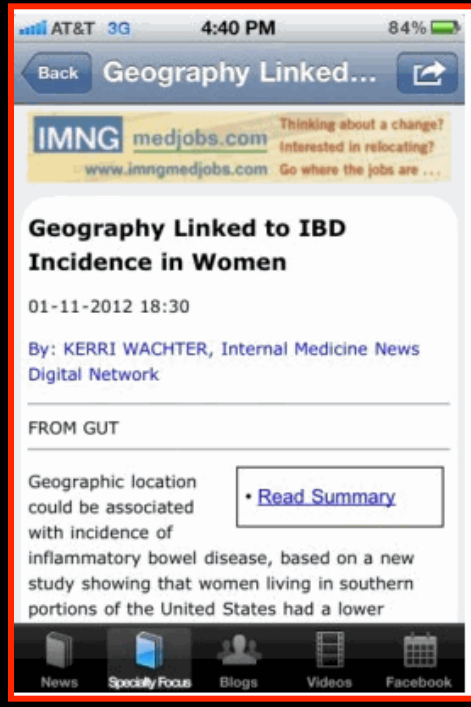
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Geography Linked to IBD Incidence in Women
01-11-2012 18:30
By: KERRI WACHTER, Internal Medicine News Digital Network
FROM GUT
Geographic location could be associated with incidence of inflammatory bowel disease, based on a new study showing that women living in southern portions of the United States had a lower
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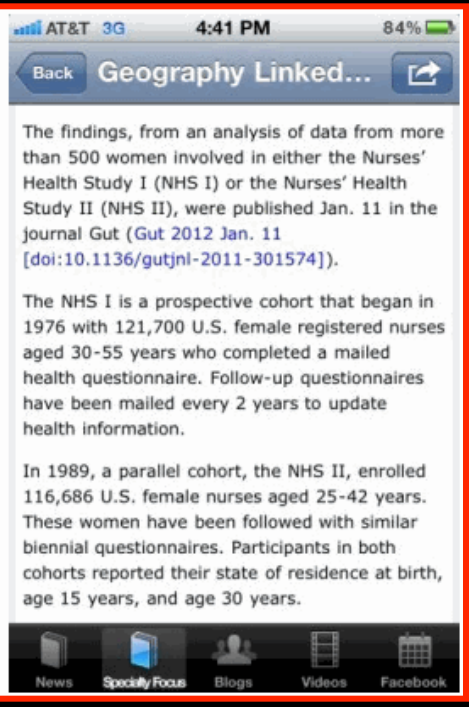
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Geography Linked...
The findings, from an analysis of data from more than 500 women involved in either the Nurses' Health Study I (NHS I) or the Nurses' Health Study II (NHS II), were published Jan. 11 in the journal Gut (Gut 2012 Jan. 11 [doi:10.1136/gutjnl-2011-301574]).
The NHS I is a prospective cohort that began in 1976 with 121,700 U.S. female registered nurses aged 30-55 years who completed a mailed health questionnaire. Follow-up questionnaires have been mailed every 2 years to update health information.
In 1989, a parallel cohort, the NHS II, enrolled 116,686 U.S. female nurses aged 25-42 years. These women have been followed with similar biennial questionnaires. Participants in both cohorts reported their state of residence at birth, age 15 years, and age 30 years.
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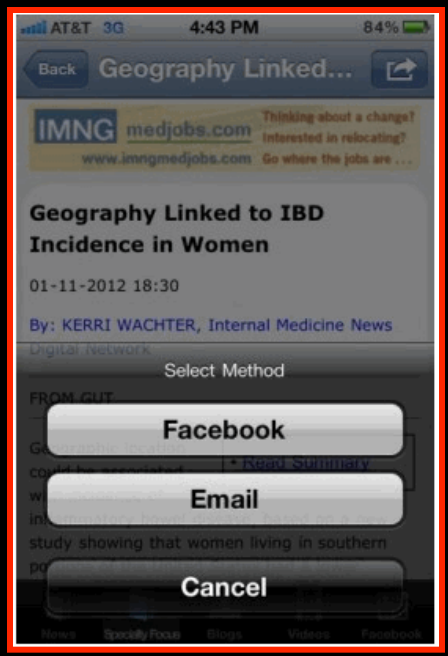
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Geography Linked to IBD Incidence in Women
01-11-2012 18:30
By: KERRI WACHTER, Internal Medicine News
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study showing that women living in southern

OB (Pregnancy) Wheel by Quatertone

* Track patients pregnancy dating in order
* Enter first day of last menstrual period- estimated date of conception, weeks gestational age, estimated due date
* Can track by patient
* Android marketplace

Perfect OB Wheel

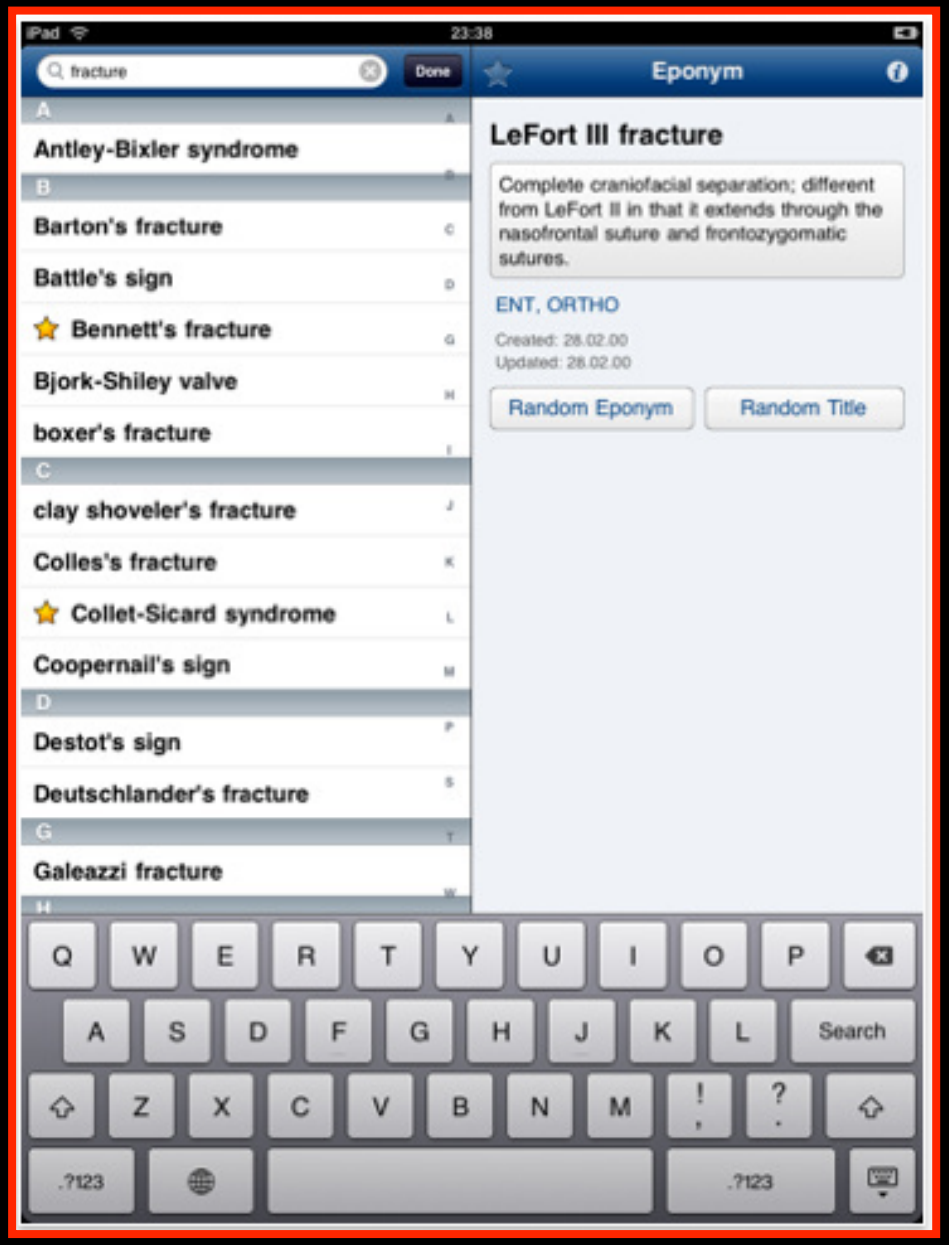
* Inability to search by fetal length
* perfect replacement for traditional Obstetric dating wheels
* $1.99, itunes

Scutsheet-tracking patients

* $9.99, itunes
* Android, beta, free
* Track multiple patients
* Add events for each patients
* Calculate important parameters
* Does not offer ranges
* Does not screen for erroneous inputs
* No print or email feature just yet

Eponyms

* $1.99 in itunes, 1,700, 28 categories, Android, free
* Fully searchable from Andrew J. Yee (www.eponyms.net)


iPad
23:38
fracture
Done
Eponym
A
Antley-Bixler syndrome
B
Barton's fracture
Battle's sign
Bennett's fracture
Bjork-Shiley valve
boxer's fracture
C
clay shoveler's fracture
Colles's fracture
Collet-Sicard syndrome
Coopernail's sign
D
Destot's sign
Deutschlander's fracture
G
Galeazzi fracture
LeFort III fracture
Complete craniofacial separation; different from LeFort II in that it extends through the nasofrontal suture and frontozygomatic sutures.
ENT, ORTHO
Created: 28.02.00
Updated: 28.02.00
Random Eponym
Random Title
Search

iPad
23:33
Categories
All Eponyms
Eponym
A
Abernethy malformation
Achenbach's syndrome
Adamkiewicz, artery of
Adamson's fringe
Addison's disease
Adie's pupil
Adler sign
Adson's sign
Ahumada-del Castillo syndrome
Aicardi syndrome
ainhum disease
Alagille syndrome
Albers-Schönberg disease
Albert's test
Albright's hereditary osteodystr...
Alder-Reilly anomaly
Alexander's disease
Alexander's law
Allen's sign
Allen's test
Allis sign
Abernethy malformation
Congenital anomaly of the splanchnic vasculature, arises from defects in vitelline vein formation; in type 1, portal vein completely diverted into IVC and complete absence of formation of intrahepatic portal vein; in type 2, portal venous system is formed, but there is an abnormal communication with systemic veins, usually IVC; associated with hepatic encephalopathy and hepatopulmonary syndrome; more common in dogs, particularly Yorkshire terriers.
ANAT, GI, PEDS
Created: 17.01.05
Updated: 22.06.09
Random Eponym
Random Title

How do you plan to discover new EBM apps?

1. Ask your institute librarian
2. Search for medical apps websites
3. Follow twitter medial apps #hash_tags
4. Search app store / android market
5. other

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Lifestyle
Medical
Drugs.com
Featured
Categories
Top 25
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7

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Categories

Medical

Top Paid | Top Free | Release Date

Drugs.com
Pill Identifier by Dr... $0.99
12 Ratings

Danike, Inc.
PocketPharmacist... $1.99
232 Ratings

Red Hammer Software
Sleep $0.99
92 Ratings

iAnesthesia LLC
Instant ECG: An Ele... $0.99
332 Ratings

Seacloud Software
Baby Connect: track... $4.99

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Your institute library

* Examples:
  * OHSU
  * Harvard Medical School
  * Stanford School of Medicine
  * UNC
  * BU Medical school

Review Sites

iPhone Medicine Blog

* Created and maintained by Dr. Salvatore Volpe. Not updated as often as other pages on this list, but Dr. Volpe does have a Twitter feed on related topics. iPhone only, but links to related sites.
* http://iphonemedicine.blogspot.com/

Review Sites

iMedicalApps

* The most widely read of all medical app review sites, receiving over 400,000 page views per month. Content is written by a team of doctors and medical students. iPhone, iPad, Android and Blackberry reviews.
* http://www.imedicalapps.com/

Review Sites

MobiHealthNews

* A newsletter that chronicles the healthcare sector's adoption of mobile technology
* http://mobihealthnews.com

In summary,

* What is the best App to use?
* *It depends on the question you ask and information you need*