Technology And Health 2.0

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An Infopeople Webinar October 20, 2011

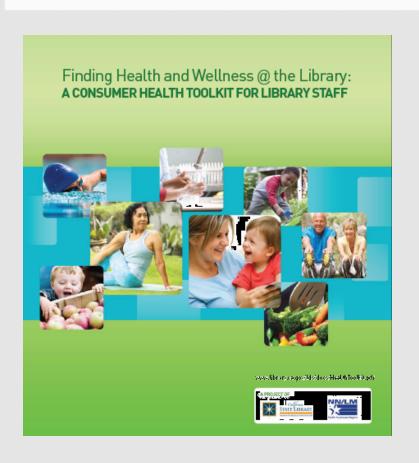
Objectives

- Be aware of types of mobile devices
- Understand the differences between apps and mobile sites
- Be knowledgeable of authoritative mobile health and wellness resources for patrons
- Be familiar with the use of social networking for health information

Agenda

- Introductions
- The mobile universe devices, apps, content
- Mobile health and wellness resources
- Evaluating mobile resources
- The patron equation and library services

Consumer Health Toolkit



- Developed in partnership with the California State Library
- PDF available for download
- Technology and Health 2.0 section on pages 71-77

www.library.ca.gov/lds/docs/HealthToolkit.pdf

Definitions

- Mobile device
 - Smartphone, tablet, iPad, iTouch, PDA
- Mobile medical device/ mHealth
 - Devices and systems used by medical personnel to gather, transmit or analyze data or information
- Mobile app
 - Software that is downloaded to a device
- Mobile site
 - website designed for display on a small screen

What's in your pocket, purse, briefcase or on your lap?



Poll - Please indicate any of the following devices you own:

- iPhone
- Android phone
- Other type of smartphone
- iTouch
- iPad
- Tablet
- PDA or Window CE device
- Kindle, Nook or other e-reader
- Other
- I don't own a mobile device

Trends In the Use of Mobile Devices for Health Information

Growing trend, particularly among certain populations

 Some users are skipping the computer for Internet access altogether

 Apps and mobile sites are complementing traditional websites

What is Happening in Your Library?

 Are your users using mobile devices now to access library materials or reference content?

What about e-readers?

• Do you see changes in library services due to the use of mobile devices and e-readers?

Finding Quality Health Apps and Mobile Sites of Interest to Library Users

- National Library of Medicine
- Other government sites, such as the CDC and the Veterans Administration
- Directory of apps and sites at USA.gov
- Non-government, commercial offerings



Home

U.S. National Library of Medicine

National Institutes of Health

Search

Contact NLM

Databases

Find, Read, Learn

Explore NLM

Research at NLM

NLM for You

The World's Largest Medical Library

NLM Mobile

NLM Mobile

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Gallery of Mobile Apps and Sites

Emergency Preparedness and Response

Safely stabilizing library collections in a water emergency

How to Respond to Water Emergencies

steps to be taken

Recovery Procedures

by material to be recovered Health and Safety

information on mold and asbestos

Resources glossary, diagrams

Category - Mobile Phones Mobile Optimized Site

Launch Mobile Site

Water Emergency Response for Libraries

Covers basic steps on what you should do after a water emergency in your library or cultural heritage institution. Includes materialspecific instructions as well as health and safety links.

National Library of Medicine



Category - Mobile Phones Mobile Optimized Site

Launch Mobile Site

PubMed Mobile Beta

Provides a simplified, mobile-friendly Web interface to access PubMed. PubMed contains millions of article citations from thousands of biomedical journals. Many citations include abstracts.



Category - Mobile Phones Mobile Optimized Site

Launch Mobile Site

MedlinePlus Mobile

Authoritative consumer health information from MedlinePlus.gov in a mobile-optimized Web site that includes summaries for over 800 diseases, conditions and wellness topics as well as the latest health news, an illustrated medical encyclopedia, and information on prescription and over-t

medications. Available browser of any mobile



Category - Mobile Phones Mobile Optimized Site

DailyMed

Provides high quality information about marketed drugs, including FDA labels (package inserts).

http://nlm.nih.gov/mobile

Free Content for Emergency Responders, Health Professionals, and Consumers

Apps

- √ Wireless System for Emergency Responders (WISER)
- √ √ Radiation Emergency Medical Management (REMM)
- √ √ AIDSinfo HIV/AIDS Glossary
- **V** ✓ Health Hotlines
- **√ √** Reunite
- √ Fmbrvo
- √ Water Emergency Response for Libraries
- √ PubMed Mobile Beta and PubMed® for Handhelds

Mobile Sites

- √√ DailyMed
- √ MedlinePlus Mobile
- √ AIDSinfo Mobile

Same Resource, Different Formats





AIDSinfo

HIV/AIDS Glossary App

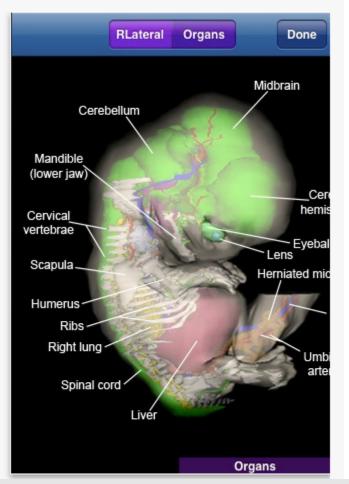
Used by both consumers and clinicians



Embryo App

Visual Exploration of Human Embryo Development







Health Hotlines App



Directory of healthrelated organizations that have 1-800 numbers

(from DIRLINE)

http://dirline.nlm.nih.gov/

Emergencies and Disasters











Flood! Water damage to library collection – what do you do?

Emergency Preparedness and Response

Safely stabilizing library collections in a water emergency

How to Respond to Water Emergencies

steps to be taken

Recovery Procedures

by material to be recovered

Health and Safety

information on mold and asbestos

Resources

glossary, diagrams

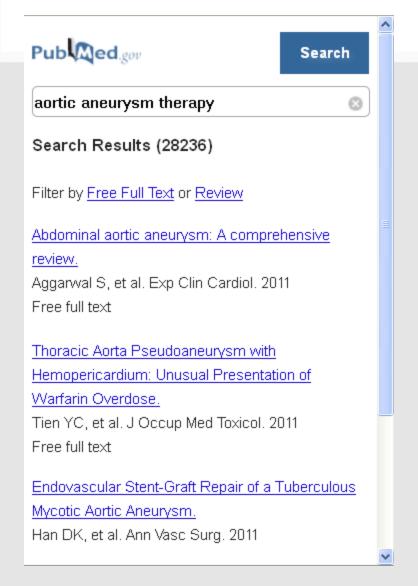
Videos

of recovery procedures

<u>Disclaimer</u>

Mobile Site:
Water Emergency
Response for Librarians

PubMed Mobile



PubMed for Handhelds

National Library of Medicine

The world's largest medical library

PubMed for Handhelds

go.usa.gov/xFb

- PICO search
 Patient, Intervention, Comparison, Outcome
- askMEDLINE free-text, natural language search
- Consensus Abstracts *New
- MEDLINE/PubMed Search <u>MEDLINE/PubMed</u> Read Journal Abstracts
- <u>Disease Associations</u>
 Search case reports for disease associations

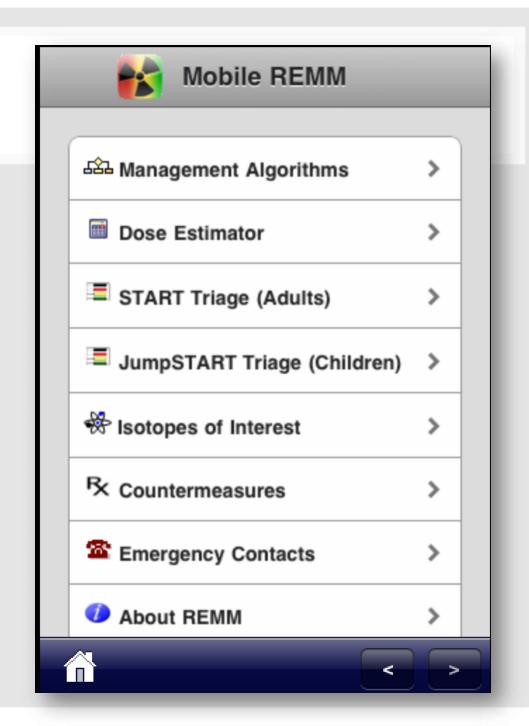
Disclaimer | Privacy | Feedback | NLM mobile

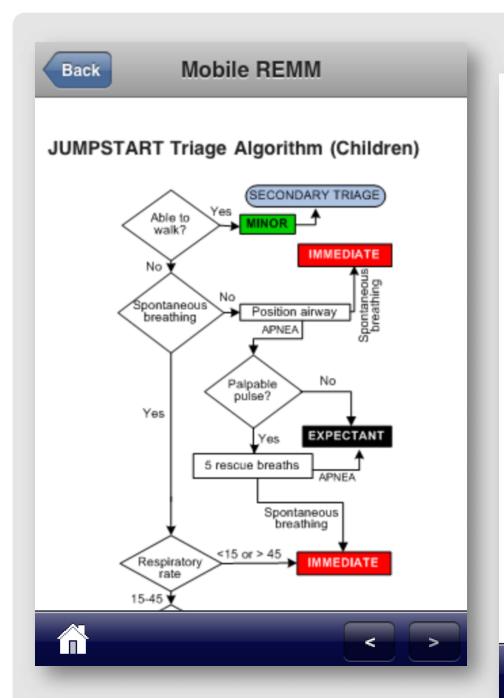
Radiation Emergency

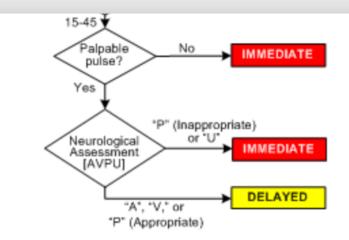
What to do?

Mobile REMM App

(Radiation Emergency Medical Management)







Adapted from http://www.jumpstarttriage.com

Neurological Assessment

- A Alert
- V Responds to verbal stimuli
- P Responds to painful stimuli
 - Appropriate e.g., withdrawal from painful stimulus
 - · Inappropriate e.g., posturing
- U Unresponsive to noxious stimuli

Conventional triage categories definition





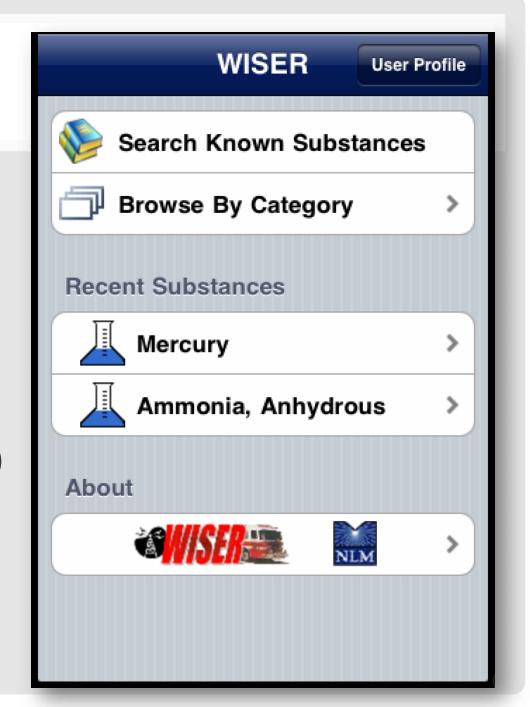


Hazardous Spill

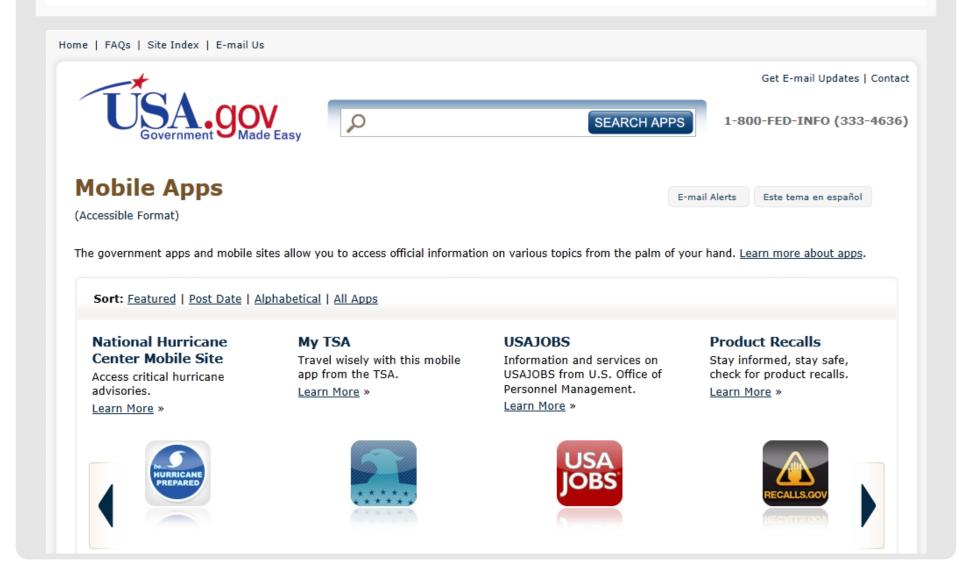
What is it?

WISER App

(Wireless System for Emergency Responders)



Apps.USA.gov





Your Online Resource for Recalls

Consumer Products

Motor Vehicles

Boats

Food

Medicine

Cosmetics

Environmental Products



To provide better service in alerting the American people to unsafe, hazardous or defective products, six federal agencies with vastly different jurisdictions have joined together to create www.recalls.gov -- a "one stop shop" for U.S. Government recalls.



Follow the tabs above to obtain the latest recall information, to report a dangerous product, or to learn important safety tips.



Recalls on the Go



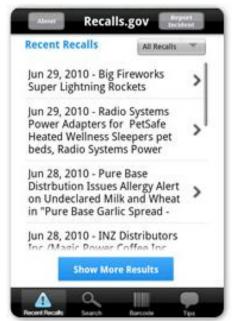
When you're buying and using products, safety comes first. And now, with this product recalls application, you have vital safety information available whenever and wherever you need it - right on your mobile phone, thanks to the RECALLS.GOV mobile application.



en Españo

Whether you're at your child's day care center or a yard sale, whether you're at a store or at home, you can now type a product's name into your phone and learn immediately whether that product has been recalled because of a safety concern. You can also see photos of recalled products and learn what to do with recalled products in your homes.

Stay informed, stay safe, check for product recalls.









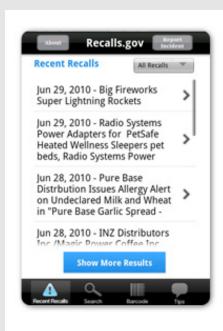








Recalls.gov - Website, Android App, and Mobile Web



Product Recalls

Check food, drug, car, and product recalls from across the federal government.

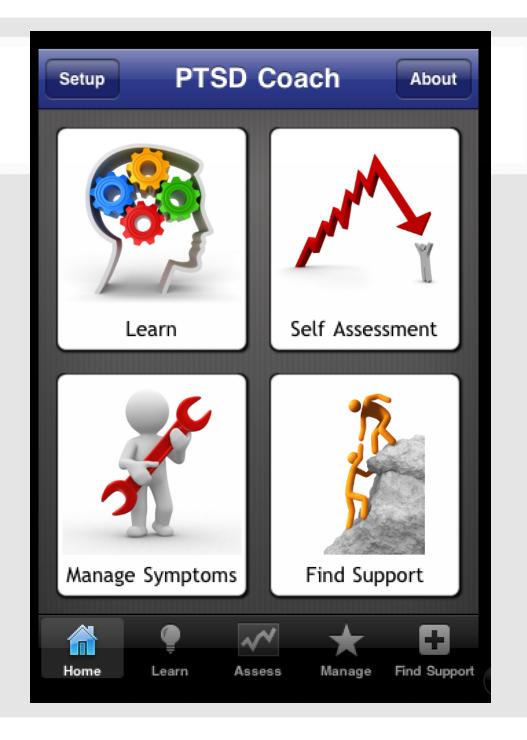


Note: To install the Recalls.gov App on an Android device outside of Android's App Market, you will need to enable Unknown Sources. On your Android phone, go to Settings > Application Settings and check the Unknown Sources checkbox. After the Recalls.gov App is downloaded and installed, you may uncheck the Unknown Sources checkbox.

When you're buying and using products, safety comes first. And now, with this product recalls application, you have vital safety information available whenever and wherever you need it — right on your mobile phone.

PTSD Coach

App developed for vets to help manage Post Traumatic Stress Disorder



Health Apps, Sites and Services Outside the .gov Domain

- Some good, some questionable
- Apps and sites available for every imaginable use – reference, tracking, coaching, reminding, sharing
- Ever-changing landscape

Text4Baby.org



Home

About

Partners

News

Contact

She's One Smart Mom, She's Got text4baby



Get FREE messages each week on your cell phone to help you through your pregnancy and your baby's first year.

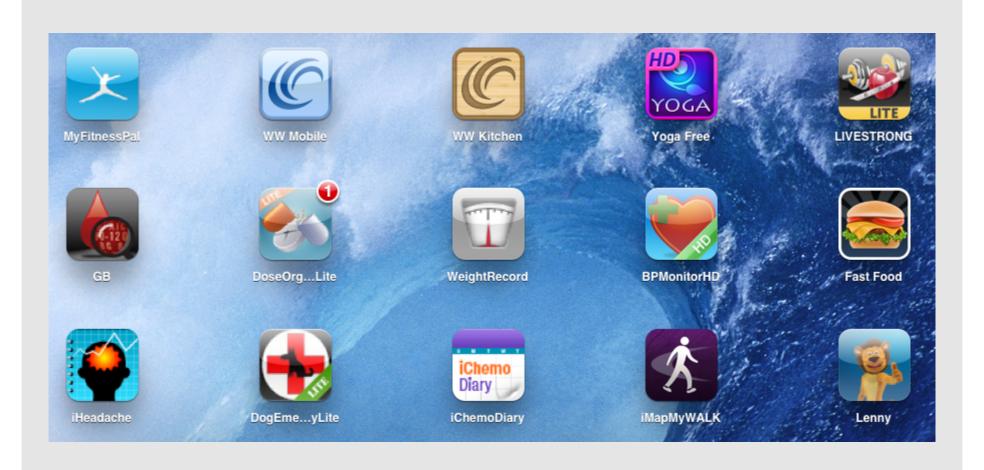
Text4baby is an educational program of the National Healthy Mothers, Healthy Babies Coalition.

Click 2 Register How it Works

FAQs



Other Health and Wellness Apps



Like Having a Personal Trainer

Apps can help people track their workouts, set goals and try new things. The best ones have a website that syncs with data entered on other devices. Some are free, some you buy.

- HundredPushups.com
- SportyPal.com
- Stretch Guru
- Daily Yoga



Diet and Activity Tracking

- Weight Watchers Mobile and full app
 - some free content, much more for members
- MyFitnessPal
 - Free app and website: Set goals, track calories, exercise, generate reports, build food database, share with friends, participate in community
- Livestrong
 - Similar to above, free and pay versions
- Many others

Health and Medical

- Medication reminders
- Blood pressure tracker
- Blood glucose and diet diary
- Migraine trigger journal
- Chemo treatment diary
- First aid reference for people and pets

Example - Tracking Glucose

© 2008-2011 SkyHealth LLC

Rated 4+

Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.0 or later

Developer Web Site

App Support

Top In-App Purchases

1 BP + WT add-on \$3.99 2 Multi-Device Cr... \$12.99

3 No Ads add-on \$3.99

More iPhone Apps by oneAppOneCause





- Integration w/ CalorieTrack, a full featured calorie/nutrition & exercise app to make logging food and activities much easier. (over 100,000+ food items, 200+ exercise activities and the ability to create custom items for food and activity)



- Graph Food & Activity against your BG values!...



Example for Diabetic Kids



What's On Your Device?

 Please use the chat box to share the names of some good apps or sites you personally use and why you like it.





Remember – You can use many of these tools using a computer, even if you don't have a mobile device!

Finding Apps by Operating System

- Android operation system
 - Android Marketplace
 - Amazon Appstore for Android
- Apple: iPad, iPhone, iTouch
 - iTunes Store
 - MacWorld AppGuid
- Blackberry phones
 - BlackBerry App World

Should You Download That App?

- Look for clues is there a track record, user reviews and feedback?
- Does the developer have a website? Check it out and apply quality criteria.
- Is there a fee? Better to try free version or free trial before shelling out the dough!
- Does it provide something unique or useful to have on a mobile device?

Evaluation Recap

- Trustworthy developer/publisher
- User reviews
 - iTunes, Android Marketplace, PCWorld, CNet, many others
- Content
 - Appropriate for needs/use
 - Current, accurate, non-biased
- Cost
 - Check out trial or free versions if available first

Sports Nutrition Secrets By AppWarrior

View More By This Developer

Open iTunes to buy and download apps.



Description

You're About To Uncover What The #1 Key Is To Sports Nutrition And Exactly What Sports Nutrition Is And How It Can Help You, No Matter How Much Time You Have Had To Prepare!

AppWarrior Web Site > Sports Nutrition Secrets Support >

...More

View In iTunes

\$0.99

Category: Health & Fitness Released: Jun 26, 2010

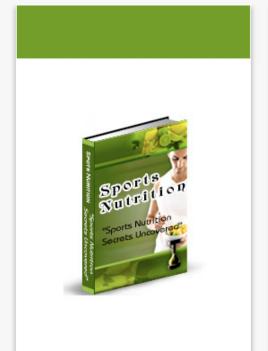
Version: 1.0 iOS 4.0 Tested Size: 0.2 MB Language: English Seller: NAY MIN THU © AppWarrior Rated 4+

Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 2.0 or later

Customer Ratings

We have not received enough ratings to display an average for the current version of this application.

iPhone Screenshots



Sports Nutrition Secrets

Chapter 1: Introduction

Chapter 2: What Is Sports Nutrition?

Chapter 3: Hydration Is Key

Chapter 4: Fueling Your Body

Chapter 5: Carbohydrates Role

Chapter 6: The Need For Protein

Chapter 7: The Story With Fats

Chapter 8: Meal Planning For You...

Some Clues

iTunes Preview

What's New

Sports Nutrition Secrets By AppWarrior

Open iTunes to buy and download apps.



View In iTunes

\$0.99

Category: Health & Fitness

Description

You're About To Uncover What The #1 Key Is To Can Help You, No Matter How Much Time You H

AppWarrior Web Site > Sports Nutrition Secre

iPhone Screenshots

More iPhone Apps by AppWarrior



101 Crock Pot Recipes View In iTunes >



Acne Tips
View In iTunes >

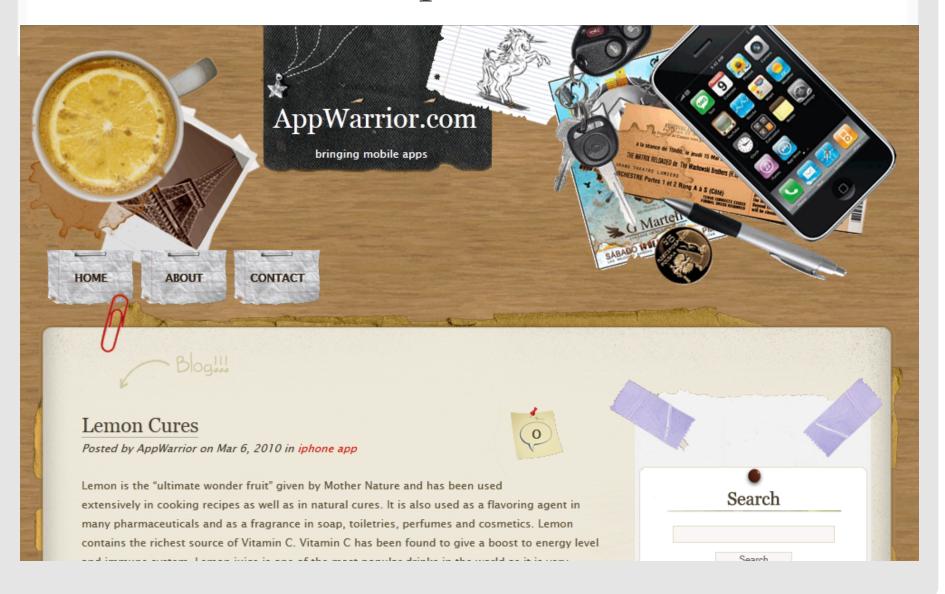


How to Pick up Girls – Bible View In iTunes ▶

Customer Ratings

We have not received enough ratings to display an average for the current version of this application.

Developer Website



Lemon juice is one of the most popular drinks in the world as it is very healthy, tasty and low cost.

In this app, you will find how you can cure the following diseases with lemon:

- Acne
- Alzheimer's and Dementia
- Anxiety
- Arthritis, Gout and Rheumatism
- Asthma
- Bad Breath
- Bloating
- Calluses and Corns
- Cellulite
- Cold and Flu
- Diarrhea
- Eczema (Skin Rash)
- Fatigue
- Gum Disease
- Hangover and Headache
- High Blood Pressure
- High Cholesterol
- Insect Bite

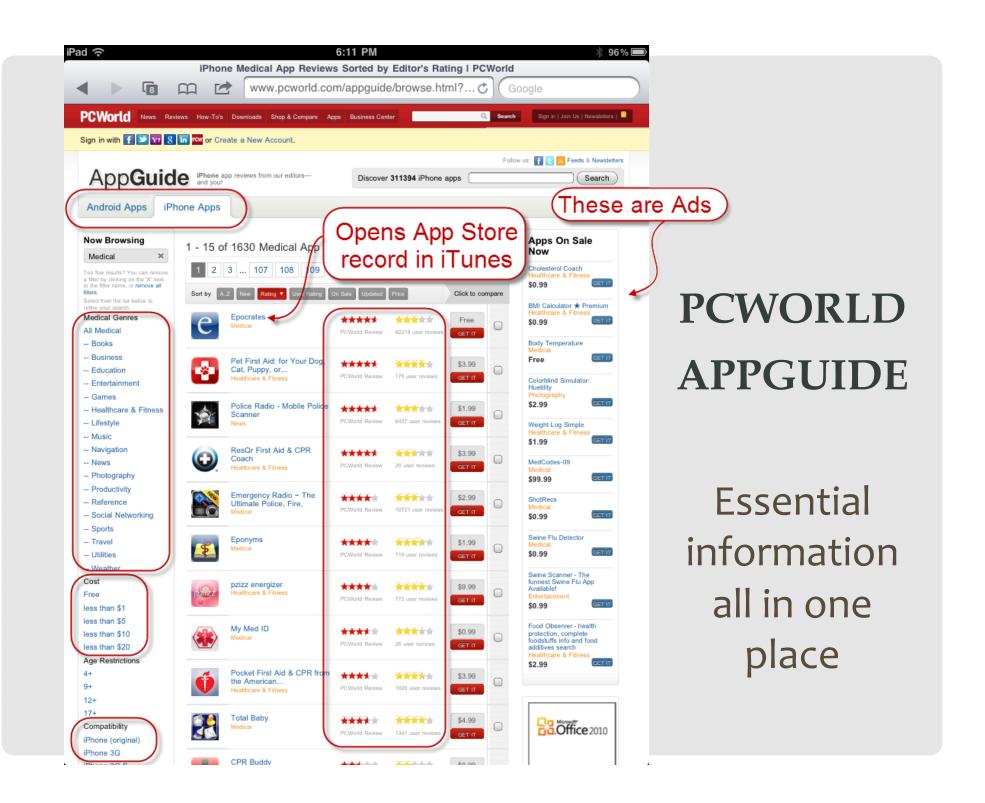
I've seen enough; I'm outta here!

Fraud Happens

For Release: 09/08/2011

"Acne Cure" Mobile App Marketers Will Drop Baseless Claims Under FTC Settlements

Marketers who advertised that their smartphone applications could treat acne have agreed to stop making baseless claims in order to settle FTC charges. The mobile applications, commonly referred to as "apps," were sold in Apple's iTunes Store and Google's Android Marketplace. The settlements in two separate cases would bar the marketers from making certain health-related claims without scientific evidence. "Smartphones make our lives easier in countless ways, but unfortunately when it comes to curing acne, there's no app for that," said FTC Chairman, Jon Leibowitz.



Social Health Networking

Please answer in the chat box:

•Would you feel comfortable recommending a health-related social networking site (such as Patients Like Me) to a library user?

Answer Yes or No and brief reason why

Something to Think About

"Who then can so softly bind up the wound of another as he who has felt the same wound himself?"

Use of Social Sites for Health Information

- The use of social networking for finding and sharing health information
 - Information about diseases and treatments
 - Group support system
 - Benefits and caveats
- Sites for sharing updates on patient status
 - Allows family and friends to create private websites for sharing information about the patient's health and to receive messages of support

Examples of Social Health Sites



More Sites

- DailyStrength
 - Privacy policy looks okay, but last updated in 2007
 http://www.dailystrength.org/
- CureTogether
 - Launched in 2008 to help people living in chronic pain http://curetogether.com/
- Inspire
 - Health and wellness communities for patients and caregivers

http://www.inspire.com/

Sites for Sharing Patient Updates

CaringBridge

"Free, personal and private websites that connect people experiencing a health challenge with family and friends".

www.caringbridge.com

Lotsa Helping Hands

"Free, private, web-based communities for organizing friends, family, and colleagues – your 'circles of community' – during times of need".

www.lotsahelpinghands.com

What is the Librarian's Responsibility?

• If a person requests information about social health networking and support sites, what are some possible responses?

Please use the chat box to share your strategy!

Tips for Library Staff

- Know your own collection eReader content
- Know reliable authoritative sites and the mobile counterparts
- Stay current with technology and user trends
- Educate users about evaluating sites and understanding privacy issues when sharing personal health information on a social site

Discovery and Keeping Current



 NLM Gallery of Mobile Sites <u>http://nlm.nih.gov/mobile</u>



US Government Apps
 http://apps.usa.gov



 NNLM.gov regional blogs http://nnlm.gov/news/newsletters.html



Thank You!

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http://nnlm.gov/psr/

1-800-338-7657



