

THE PHARMA INNOVATION - JOURNAL

ANDROPHARMACY

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Smart phone has become as one of the basic need of life in present world. This article reviews the applications which are related to the field of pharmacy in android phones. Android smart phone applications are stand-in as care takers by remembering dosage, navigators to community pharmacies, guide the proper dosage and pharmacological activates of drugs, enlighten the existing offer of drugs, price cut, free coupons, pharmacy conversions, instructor for pharmacy related exams, inform conferences and events like national seminar and also help full in communicating media like social networking and even a number of games.

Keyword: Android, Applications, Software, Pharmacy

1. Introduction

Android is a free, open source mobile platform that any coder could write for and any handset maker could install. Android had a worldwide smart phone market share of 75% during the third quarter of 2012. Android become the world's most widely used smart phone platform with 500 million devices activated. Android has a large community of developers writing applications ("apps") that extend the functionality of devices. In October 2012, there were approximately 700,000 apps available for Android, and the estimated number of applications downloaded from Google Play, Android's primary app store, was 25 billion. Technology has made human life so easy. Physical work and mental stress has been reduced to some extent with help of software applications. Once the smart phones have evolved

the control of the human was left some extent to software applications. As simple things like alarm, reminders, notes, calculation, remembering phone number has been left to smart phones rather than remembering in brain. There are even a plenty of android applications which are use full for a day to day life of a pharmacist or a common man related to his health care. Many applications were designed in such a way that, they care for the patient's life. The features of applications include remembering the dosage, refill, calling the physicians, reminder of appointments with doctors, contraindications when several medications are used, expiry date, gathering the data of nearby pharmacies, knowing the information of closed or open pharmacies, and distance to pharmacies, information like price cuts, discounts or the store which is selling the

required drugs for least cost. There are many applications as well which will assist or guide to preparation of various pharmacy exams, competitions, pharmacy lab training, and

pharmacy certifications, these applications are having a number of multiple choice questions and information covering wide range of topics in pharmacy.

Table 1: Application and Logos

Name of Application	Logo
CVS/Pharmacy	
Family care Pharmacy	
RWL Pharmacy	
Med Helper Pro	
WebMD	
My Utah Pharmacy	
My medical info	
SafeDose	
Life Pharmacy Dunedin	
Catamaran	
MPR	

The applications has also come which will notify you about the seminars, poster presentations, conferences, paper presentations, competitive exams, pharmacy quiz and help us to register for events, get the feed backs of the events held.

Various applications were working as face book which helps to communicate people in pharmacy community. Right know there is very few game applications related to pharmacy, yet they may be available in coming days. Even Google

demonstrated "Android@Home", new home automation technology which uses Android to control a range of household devices including light switches, power sockets and thermostats. This article gives you information of different android applications which were used concerning to pharmacy.

Android applications related to pharmacy are performing following tasks

2. Care takers

In this busy world, every one's life has become so busy that even they can't take care of their own health as a result they may miss their medication dose, refill, appointments, prescription history and so on. The following applications act as a care takers and aid you a healthy life.

2.1 Special features

- Refill, transfer and manage prescriptions
- Access your prescription history
- Scan to refill and refill without signing in
- Find a pharmacy store and check hours
- Shop your weekly drugs for deals and create a shopping list
- Sign up to receive offer-filled emails
- fast and friendly services at prices that are competitive with the national chains
- home health supplies
- emergency call options

2.2 Related apps:

- myHealthbox, Watson's Personal Care, RWL pharmacy
- Diagnosis cum low cost drugs finder

These applications help you identifying unknown pills and its pharmacological use. They provide great information of discounts available in market. Prices of all major pharmacy chains and online pharmacies. Information on manufacturer discount cards.

2.3 Special features

- Medication guide includes: Indications & Usage, Dosage & administration, Contraindications, Warnings and precautions, Adverse reactions, Drug interactions, over dosage
- An excellent drug dictionary for both consumers and health professionals
- Save up to 75% on prescription with a FREE discount card
- Official guide for 20,000+ FDA approved drugs
- Built-in 12,000 pill and package images
- Controlled substances which are susceptible to addiction and abuse are labelled by USDOJ schedules.
- search symptoms, learn about potential causes
- Save your personal healthcare facilities, doctors, diseases, conditions, procedures, medications, insurance information and health plan advice lines
- Average Wait times for select Hospital Emergency Rooms and Urgent Care facilities
- Loyalty Coupon: Using QR Coupons and the built in scanner in the app, you receive rewards for doing business with us. Plus, it's all conveniently stored on your phone
- Pill Identifier, Refill Prescription,
- Most cases of 10% - 80% off price, in Brand and Generic prescription.

Table 2: Application and Logos

Name of Application	Logo
iPharmacy Drug Guide & Pill ID	
iTriage Health	
Royal Family Pharmacy	
Phone Pharmacy Rx Discount	
Lo Cost Pharmacy	
Mobile Rx Card	
CVS care mark	
Free prescription Rx card	
Medicool pharmacies	
O'Brien Pharmacy	

Related apps: Pharmacy buddy, Drugstores, Medicine man, Paramedic Meds Demo, NHS Yorkshire and Humberside, chemist mate, drug information system, Chemist Mate

Who knows how many times you ill, ever have the need to find in near pharmacy, even at nights or during weekends or on a holiday trip? Then here are the apps

Special features

- Emergency Services – automatic number update for Ambulance, Fire & Police when you travel abroad
- SOS – sends SOS message to your Emergency Contacts, automatically includes GPS location
- Advanced Silent Mode – never miss an urgent Call or Message while phone is on Silent Mode
- Healthcare Providers – listing of Hospitals, Doctors, Dentists and Pharmacies near your location. Call any Provider from App, view location map, directions and website
- Emergency Contacts – Call or SMS from App
- Medical History – vital information for first responders and hospital staff: Allergies, Blood group, Diabetic information
- Custom screen lock – app can be accessed through password protected screen lock. In Case of an Emergency - emergency services & hospital staff will only have access to ICE Emergency app
- Set your home town for a quick access to its on duty Pharmacies
- Get a list of pharmacies organized by their status, including those only open during regular business hours
- Call a taxi

Table 3: Application and logos

Name of Application	Logo	Country
FarmaCity		Italy
Emergency Pharmacy Finder		Berlin
Watson Sg		Singapore
Farmacias Ahora		Zaragoza
Farmaguia		Barcelona
Cyprus pharmacies		Cyprus
iPharmacy USA		USA
Catalogul de farmacii		Romania
Emergency medical Southtyrol		South tyrol
Pharmacies on duty Canary		Canaries

Related applications: drugs store finder, pharmacies, iPharmacy UK, Benu, Farmácias de Serviço, hospital and pharmacy finder, Farmácias, Medical Center Pharmacy, Czech Pharmacies, Cyprus Pharmacy Guide, TunPharma, Big Red Zebra GbR, Pague Menos,

3. Trainer

Do you wish to study on the go for your exams? Then here are the excellent apps which will fulfill your desires






3.1 Special features

- Learning Modules for Certified Pharmacy Technician: prescription abbreviations,

health insurance, serving the customer, generic and brand drugs, maintaining medication, inventory control, Inventory Control, Law and Ethics, Conversions and Math, Medical , FDA, Generic/Brand Drugs

- Create your own flashcards, multiple-choice and glossary
- Send multiple-choice quiz questions to friends
- Post score for global ranking
- Keep up to date with latest news and articles with the Pharmacy news feed
- list of the best pharmacy e-books
- more than 1110 multiple choice quizzes
- Topics Include: Gastroenterology, Primary Care, Neurology, Law, Diabetes, Endocrinology, Allergy, Psychiatry, Health Policy/Public Policy, Sleep Disorders, Pain Management, Pediatrics, Arthritis
- Quiz on Introduction to Pharmacy, History of Pharmacy, OTC drugs, Medication, Drug Addiction, drug Abuse.
- providing over a 150 lab values that are frequently used by medical professionals

Tablet 4: Application and logos

Name of application	Logo
Pharmacy Tech Certification	
Pharmacy E-Books	
PTCB Exam Review	
PCAT	
Pharmacy Tech Certification	

I.V. Drug Handbook	
PTCB Prep	
Harmacokinetics	
Pharmacy Law	
Pharmacy by WAGmob	
Antibiotics	
Pharmacy Lab Values	

Related apps: PEBC, Pharmacy Technician flashcards, heart pharmacy, Pharmacies on Guard, Elements periodic tables, NAPLEX, Antibiotic Kinetics Lite, Drug handbook, 3D Animation Medical Videos, drug information system

4. Conversions





In a day to day life of a pharmacist he will overcome a number of calculation parts and its conversions so, the following android apps helps work easy and also one can learn a number of conversions.

4.1 Special features

- Helps to convert: IV Dosage, IV Rate (gtt & mL), Mean Arterial Pressure, Mcg/kg/hr to mL/hr, Mcg/kg/min to mL/hr, Mcg/min to mL/hr, Mg/kg/hr to mL/hr, Metric & Imperial Conversions, mL/hr to Dose/hr (i.e. Heparin), mL/hr to Mcg/kg/hr, mL/hr to Mcg/kg/min mL/hr to Mcg/Min, mL/hr to Mg/kg/hr, Pediatric Dosage
- Convert conversion, metric. S.I., unit, units

- creatinine clearance, weight calculator, aminoglycoside calculator, phenytoin calculations
- assist determining the expiration of a medication compounded or reconstituted on the current day
- Evaluates the amounts from two different concentrations of solutions to produce a desired volume of a solution with a target concentration.

Tablet 5: Application and logos

Name of Application	Logo
NurseCalcs	
Pharmacy Conversions	
Pharmacy calculator	
Pharmacy technician tool kit	

Pharmacy events and social networking

Using these apps one can register for the Conference or Trade Exposition, can access the last events. Using these apps you may have services like my library, feeds, contents, search, share, favourites and notes

4.2 Special features

- ✓ Professional staff will focus on you and your personal needs
- ✓ Updating their knowledge, enhancing their skills and learning about the latest products and technologies offered by industry.
- ✓ Schedule with ability to create personal notifications
- ✓ Sponsors list with detailed info
- ✓ Showcase list
- ✓ Exhibitors list with detailed info
- ✓ Map with routing functionality
- ✓ Twitter ,News feed ,Info about event

Table 6: Application and logos

Name of application	Logo	Country
NCPA's		San Diego
Pharmacy Australia Congress		Melbourne Convention Exhibition
Seminar 2012 Jackpot, Pharmacy		California
NCPA's 113th Annual Convention		Nashville
JFPS		America
Medicines Management 2011		Australia
APP 2012		Australia
Kaiser Permanente		Online app
2012 NACDS Conference		

5. Conclusion

Android has grown to become the most widely used smartphone operating system and "one of the fastest mobile experiences available. In field of pharmacy the applications made easier of getting information of unknown medicines, distance to the pharmacies, taking care of one's own health, and communication with the members of same community and even relaxation by fun applications.

Table 7: Application and logos

Additional applications

Name of application	Logo	Category
Pharmacy Wars Free		Game
The Point Talker		language communicator
Hagyard Mobile Formulary		veterinary practice
Pharmacy Today		Magazine
PharmacyTimesAR		Magazine
Therapeutic Research Center		Herbal medicines
VoicePort MyRx		link the specific pharmacy to their clientele

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