





CONTRACEPTIVE SUPPLY SYSTEM FOR REFUGEES

IMPORTANT NOTE:

DUE TO THE NEED TO OFFER CONTRACEPTIVES OUTSIDE OF ACCESSIBLE BATHROOMS, THE INITIAL PROJECT

"SMART CONTRACEPTION DEVICE" WAS ADAPTED INTO A MORE COMPLETE PROJECT CALLED "REFUGEE SUPPORT CENTER".



CONTRACEPTIVE DEVICES

FREE MECHANICAL FEMALE CONDOM, DIAPHRAGMS AND CONTRACEPTIVE PATHS DISPENSERS

















PAID MECHANICAL CONTRACEPTIVE DISPENSERS







FREE SOAP AND FEMALE CONDOM DISPENSERS





PAID DIGITAL CONTRACEPTIVES DISPENSERS







FREE DISPENSER CONTRACEPTIVE PACK



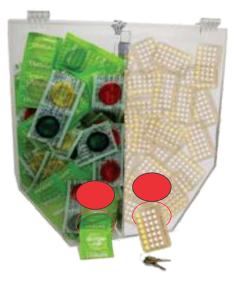
FREE CONTRACEPTIVE DIAPHRAGM



FREE MORNING-AFTER PILL PACK



FREE DISPENSER FEMALE CONDOM & CONTRACEPTIVE PACKS



FREE DISPENSER MORNING AFTER PILL (ONE BY ONE)





PAID DIGITAL DISPENSER
MORNING AFTER PILL (ONE BY ONE)





ANTI-THEFT & VANDALISM SYSTEM



Wiltshire traffic vigilante fools drivers with dummy

21 December 2023

Sarah Jones & Louis Inglis

https://www.bbc.com/news/uk-england-wiltshire-67486196

PSYCHOLOGICAL STUDIES PROVE THAT PEOPLE CAN BE INHIBITED FROM COMMITTING ILLEGAL ACTS IN AN ENVIRONMENT WHERE THEY ARE ALONE, BUT IN THE PRESENCE OF IMAGES OF SERIOUS FACES. (SEE REPORT ON TRAFFIC GUARD DOLL).

POSTER FOR FREE CONTRACEPTIVES.

THE SERIOUS FACE AND THE MESSAGE SUGGESTING THAT THE PERSON TAKE ONLY 2 PACKAGES IS AIMED AT CONTROLLING PEOPLE FROM TAKING MORE THAN THEY NEED, ALSO AVOIDING DEVICE VANDALISM.

POSTER FOR PAID CONTRACEPTIVES.

THE SERIOUS FACE AND THE MESSAGE INFORMING THAT THE PERSON IS BEING FILMED AND THAT THERE IS AN ALARM FOR ATTEMPTED BREAKING INTO THE DEVICE IS AIMED AT PREVENTING THEFTS AND VANDALISM.

HELLO, WOMEN AND GIRLS. YOU CAN TAKE UP 2 FREE PACKS, OK? BE SAFE. THANK YOU! HOW TO USE A CONTRACEPTIVE DOWNLOAD THE REFUGEE SUPPORT

SMILE, MY FRIEND. YOU ARE BEING FILMED! BE SAFE. THANK YOU!



FAKE CAMERA WITH RED LED OUTSIDE THE BATHROOM



SMILE, MY FRIEND. YOU ARE BEING FILMED!

BE SAFE. THANK YOU!

A FAKE CAMERA WITH A RED LED INSTALLED OUTSIDE THE

BATHROOM AND WARNING SIGNS PUT TO THE SIDE OF THE DEVICE INSIDE THE BATHROOM IS AIMED AT DETERING THEFTS AND VANDALISM.

HOW TO USE A CONTRACEPTIVE PACK



DOWNLOAD THE REFUGEE SUPPORT CENTER APP HOW TO USE MORNING-AFTER PILLS



DOWNLOAD THE REFUGEE SUPPORT CENTER APP

CONTRACEPTIVES



REMEMBER TO USE
FEMALE CONDOMS TOO.

BE SAFE. THANK YOU!

HOW TO USE CONTRACEPTIVE



BELOW THE POSTER, A QR CODE GIVES ACCESS TO THE IRC APP "**REFUGEE SUPPORT CENTER**", AN IMPORTANT TOOL FOR EXECUTING THE PROJECT, AND WHICH CONTAINS VIDEOS SHOWING HOW TO USE ALL TYPES OF CONTRACEPTIVES.



SIMPLI CHEK DIGITAL DISPENSER

ACCESSIBLE TOILETS



ADAPTED CONTRACEPTIVE DIGITAL DISPENSER

THE PROJECT PROPOSES A
PARTNERSHIP WITH **SIMPLI CHEK**TO ADAPT THE FORMAT OF ITS
CONTRACEPTIVE DISPENSERS DEVICE.



AVAILABLE CONTRACEPTIVE DEVICES



ORIGINAL CONTRACEPTIVE DISPENSING MACHINE

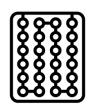




The contraceptive dispensing machine is an adaptation of a Simple Check device.

This version is more compact to fit in public restrooms, has been retrofitted with a blood pressure monitor and a triple power supply system, with a backup generator, solar panels and wind turbines.





CONTRACEPTIVE PACK



FEMALE CONDOM



MORNING-AFTER PILL PACKS



DOCTOR

NURSE



PHARMACIST

PARTNERS

PARTNER PROFESSIONALS ARE AUTHORIZED TO APPLY THE CONTRACEPTIVE IMPLANT (DOCTORS OR TRAINED NURSES) AND APPLY

THE INJECTABLE CONTRACEPTIVE

(DOCTORS, NURSES, PHARMACISTS OR TRAINED PHARMACY PROFESSIONALS).

PHARMACY EMPLOYEE



CONTRACEPTIVE PATCH

CORPORAL

HYGIENE



CONTRACEPTIVE DIAPHRAGM



INTIMATE PAD



CONTRACEPTIVE INJECTION



VITAMIN HYGIENE SUPPLEMENTS

ORAL





CONTRACEPTIVE

IDEAL LOCATIONS FOR INSTALLING THE SIMPLI CHEK DIGITAL DEVICE

(PAID SERVICE)











HEALTH CENTER

TEMPLE

RESTAURANT

SHELTER





THESE LOCATIONS HAVE THE STRUCTURE TO OFFER FEMALE BATHROOMS WITH ACCESSIBILITY, WHICH ARE LARGER SPACES AND ALLOW THE INSTALLATION OF THE DIGITAL CONTRACEPTIVE DEVICE WITH TOTAL PRIVACY.

- 1 CONTRACEPTIVE PACK
- 2 FEMALE CONDOM
- 3 MORNING-AFTER PILL PACKS
- 4 CONTRACEP. PATCH
- 5 CONTRACEP, DIAPHRAGM
- 6 INTIMATE PAD
- *7 CONTRACEP. INJECTION (1)
- *8 CONTRACEP. IMPLANT (2)

SUGGESTION

PROMOTION:

BUY A CONTRACEPTIVE AND GET A FEMALE CONDOM.



* ASSISTANCE FROM A DOCTOR, PHARMACIST, NURSE OR PHARMACY EMPLOYEE IS REQUIRED.

- DISPENSER MUST BE CLOSE TO A PHARMACY.







BANK ATM





POLICE STATION

BUS STATION

EXAMPLE OF INSTALLATION OF DIGITAL DEVICE



EXAMPLE OF INSTALLATION OF DIGITAL DEVICE



Instructions for using the dispenser are displayed on the digital screen, with audio options in any language.

The user can also use the digital screen to answer the self-screening questionnaire to find out if they are eligible to use any of the available contraceptives. The test result is displayed in real time.

WELCOME,
JOANA!
HOW CAN I
HELP YOU?

BIENVENIDA,
JOANA
¿LE PUEDO AYUDAR
EN ALGO?



A custom blood pressure sensor allows the user to check whether their blood pressure qualifies them for certain types of contraceptives or not, eliminating the risk of side effects. The result appears on the digital screen in real time.



PHYSICAL RSC CARD



The card machine is used for access by users who have an access card. The cards are provided by the organizations or pharmacies that manage the machines and are individual and non-transferable, as they have a secret password and cannot be used by other people.

EXAMPLE OF INSTALLATION OF DIGITAL DEVICE



DIGITAL COMMUNICATION ONLINE AND OFFLINE

The dispenser is equipped with a mini Wi-Fi router. Its function is to make the Wi-Fi signal more stable in the area near the machine, allowing users to access the system online, interacting with the dispenser through their smartphone.

At the same time, the dispenser also has a BRIAR system, which enables offline communication. To do this, the user must also have the BRIAR app installed on their Android smartphone. These two functions allow users to access the device even when there is no Wi-Fi available.

ONLINE MODE



ASR 4G PLATFORM MOBILE HOTSPOT 4G ESIM ROUTER WIFI



OFFLINE MODE

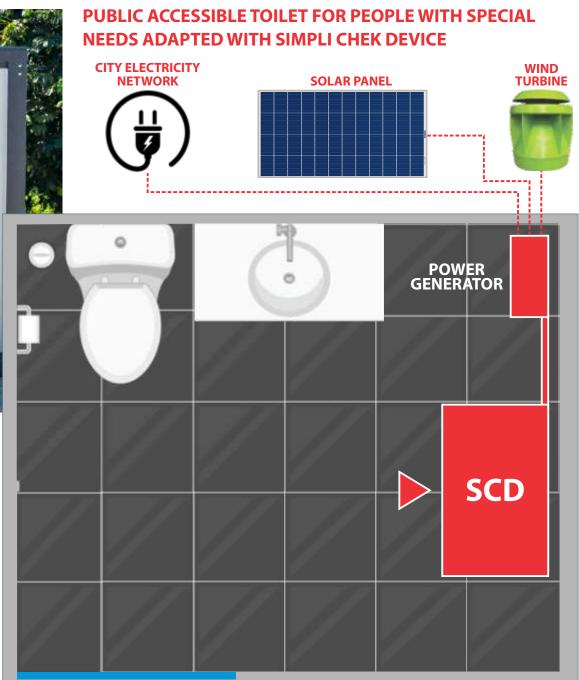


BRIAR IS AN OPEN-SOURCE, AD-FREE MESSAGING SERVICE THAT YOU CAN USE TO SEND MESSAGES, IMAGES, AND VIDEOS WITHOUT INTERNET, ONLY TO ANDROID DEVICES.





The ideal place to install SCD is in public restrooms for people with special needs, because there is more space. Inside, the bathroom will be adapted as a bathroom for people without special needs, with a toilet and sink, as well as the SCD and a generator that stores energy from the public grid or from wind and solar devices installed outside. This way, users will have total privacy and the likelihood of theft is lower.



ENERGY SOURCES

The proposal to install women's restrooms near bus stops allows a solar panel to be installed on the bus stop. In addition, 2 or 3 Power Pod units can be installed on the restroom structure, a wind turbine with 4 times more power generation capacity than a propeller of the same size. Both systems will supply the SCD with renewable energy, in addition to recharging the backup generator, which will be activated automatically whenever the power systems fail.





MECHANICAL DISPENSER

COMMON TOILETS

IDEAL LOCATIONS FOR INSTALLING MECHANICAL DEVICES

(PAID SERVICE)





















PARKING

EXAMPLE OF INSTALLATION OF MECHANICAL DEVICE





SIMPLE DISPENSER

COMMON & CHEMICAL TOILETS

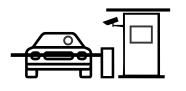
IDEAL LOCATIONS FOR INSTALLING SIMPLE DEVICES

(FREE SERVICE)















GAS STATION

WATER STATION

BORDER POST

PHARMACY

RESTAURANT

SHELTER

POLICE STATION

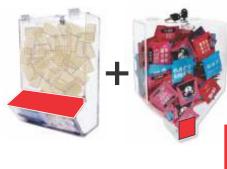




FREE

PARKING

IN THESE LOCATIONS IT IS POSSIBLE TO INSTALL SIMPLE DISPLAYS IN COMMON FEMALE BATHROOMS TO OFFER FREE CONTRACEPTIVES WITH RELATIVE PRIVACY. IT IS IMPORTANT TO OFFER A FEMALE CONDOM ALONG WITH ANOTHER CONTRACEPTIVE TO AVOID **SEXUALLY TRANSMITTED DISEASES (STD).**











PILL PACKS



CAR WASH



POPULAR

CUISINE

HEALTH CENTER

BAR

PACKS CONDOM

COMBO EXAMPLE

WOMEN

PATH

PUBLIC WOMEN'S BATHROOM

BAKERY

BUS STATION

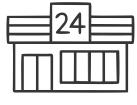








INFORMATION POST



CONVENIENCE STORE



FOOD DIST. CENTER



FARMER'S FAIR



POLICE POST

EXAMPLE OF INSTALLATION OF SIMPLE DEVICE



IDEAL LOCATIONS FOR INSTALLING SIMPLE DEVICES

(FREE SERVICE)



FOOD TRUCK



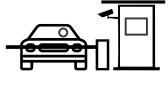
VOLUNTEER HOUSE (PARTNER)



HOT DOG



NEWSTAND



BORDER POST



INFORMATION POST



WOMEN

WOMEN'S

CHEMICAL

TOILET

PARTNERS



THE IRC MAY PARTNER WITH LOCAL VOLUNTEER **BUSINESSES TO INSTALL FEMALE CHEMICAL TOILETS,** OFFERING FREE CONTRACEPTIVES.

THE PARTNERS WOULD BE RESPONSIBLE FOR CLEANING, MONITORING AND REPLENISHING THE STOCK.

IT IS IMPORTANT TO OFFER A FEMALE CONDOM ALONG WITH ANOTHER CONTRACEPTIVE TO AVOID **SEXUALLY TRANSMITTED DISEASES (STD).**



POPULAR CUISINE



FARMER'S FAIR



FREE

CONTRACEPTIVE PACKS



FEMALE CONDOM



OR...



CONTRACEPTIVE PATH



FEMALE CONDOM



BUS STOP



GAS STATION





FOOD DIST. CENTER



PARKING



POLICE POST

EXAMPLE OF INSTALLATION OF SIMPLE DEVICE





POSTER **ENCOURAGES USE** OF FEMALE CONDOM TO PREVENT STD'S

PACKS, OK?



BLOOD PRESSURE MEASUREMENT

BLOOD PRESSURE MEASUREMENT SOFTWARE AND DEVICE ADAPTED TO SIMPLI CHEK

OPTION 1

PARTNERSHIP BETWEEN SIMPLI CHEK, DIGIHEALTH LAB, UC SAN DIEGO AND IRC.

The digital blood pressure monitor is based on a device developed by the DIGITAL HEALTH LAB, IRC at UC SAN DIEGO. To use, simply press your thumb on the base of the sensor for a few seconds, and the user's blood pressure will be recorded on the digital screen.

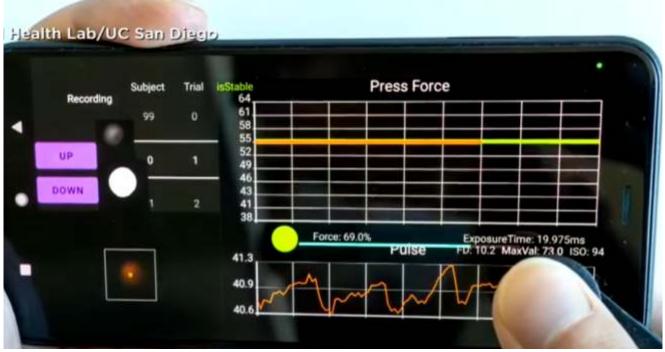


SimpliChek
Simple and Accessible
At-Home Health Testing









OPTION 2

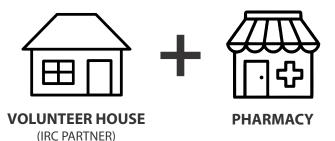
COLLABORATION BETWEEN THE IRC AND VOLUNTEER PARTNERS ON REFUGEE ROUTES

Volunteer partners are people willing to help the IRC assist refugees on their journey. The digital blood pressure monitor costs around US\$30.00. The idea is that, in addition to the pharmacies, the partners will receive a digital monitor from the IRC and measure the blood pressure of refugees seeking help. This way, the devices are protected, without the risk of theft or damage.









IRC PARTNERS are volunteers who are willing to help the IRC and refugees.

They can be responsible for replenishing the stock of contraceptive distribution points, picking up products from pharmacies and taking them to the points.

They also have a digital blood pressure monitor provided by the IRC, and they assist refugees who need to have their blood pressure measured. The app contains the location of all available partners in each region.

STUDIES ON THE EFFICACY OF SMARTPHONE SOFTWARE THAT MEASURES BLOOD PRESSURE

OPTION 3

PARTNER WITH COMMERCIALLY AVAILABLE BLOOD PRESSURE MEASURING APPS.

Although smartphone software for blood pressure measurement is still not 100% effective, there is a relative rate of reliability in recently released programs, which may mean that in a short time we will have software that is very close to 100% accurate in blood pressure measurements. until then, these programs can be used with the help of a health professional to help each user calibrate their pressure measured by a medical device and the result measured by the software, to avoid major errors.

APP MEASUREMENT BLOOD PRESSURE

BELOW, 4 STUDIES OF BLOOD PRESSURE MEASUREMENT SOFTWARE FOR SMARTPHONES

1 - OBSERVATIONAL STUDY (Several authors and institutions)

npj Digital Medicine 6, Article number: 69 (2023) | Cite this article

7114 Accesses 29 Altmetric Metrics

npj digital medicine	OptiBPTM called CamBP.	https://www.nature.co	om/articles/s41746-023-00804-z
Explore content > About the journal > Publish with us >		AUTHORS	
		Charles Festo	María Barreix
nature > npj digital medicine > articles > article		Valerie Vannevel	Hedieh Mehrtash
Article Open access Published: 17 April 2023		Hasmot Ali	Ronaldo Silva
Accuracy of a smartphone application for blood pressure estimation in Bangladesh, South Africa, and Tanzania		Tigest Tamrat	Soe Soe Thwin
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STUDIES ON THE EFFICACY OF SMARTPHONE SOFTWARE THAT MEASURES BLOOD PRESSURE

2 - EXPERIMENTAL PROTOTYPE (Several authors and institutions)



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JMIR Mhealth Uhealth. 2023 Sep 8;11:e44147. doi: 10.2196/44147 ☑

Blood Pressure Measurement Based on the Camera and Inertial Measurement Unit of a Smartphone: Instrument Validation Study

Yong-Hoon Yoon ¹, Jongin Kim ², Kwang Jin Lee ², Dongrae Cho ², Jin Kyung Oh ¹, Minsu Kim ¹, Jae-Hyung Roh ¹, Hyun Woong Park ¹, Jae-Hwan Lee ^{1,⊠}

Editor: Lorraine Buis

Reviewed by: Alexander Logan, Beza Merid, Sarah Melville

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 Article notes
 Copyright and License information

PMCID: PMC10503482 PMID: 37694382

https://pmc.ncbi.nlm.nih.gov/articles/PMC10503482/

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STUDIES ON THE EFFICACY OF SMARTPHONE SOFTWARE THAT MEASURES BLOOD PRESSURE

Metrics

3 - OBSERVATIONAL STUDY (Several authors and institutions)



Tweetations

Leanne Richardson 0; Nihal Noori 0; Jack Fantham 0; Gregor Timlin 0;

James Siddle 1 0; Thomas Godec 1 0; Mike Taylor 1 0; Charles Baum 2 0

Cited by

Abstract Introduction

Article

Methods Results

Discussion

References

Abbreviations

Decaration of the said

Copyright

Abstract

Authors

Background:

The use of digital interventions by patients for remote monitoring and management of health and disease is increasing. This observational study examined the feasibility, use, and safety of a digital smartphone app for routine monitoring of blood pressure (BP), medication, and symptoms of COVID-19 during the COVID-19 pandemic.

Objective

The objective of this study was to deploy and test electronic data recording using a smartphone app developed for routine monitoring of BP in patients with primary hypertension. We tested the app for ease of data entry in BP management and tracking symptoms of new-onset COVID-19 to determine if participants found this app approach useful and sustainable.

Methods:

This remote, decentralized, 12-week, prospective, observational study was conducted in a community setting within the United States. Participants were approached and recruited from affiliated sites where they were enrolled in an ongoing remote decentralized study (CURE-19) of

https://mhealth.jmir.org/2024/1/e53430

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scientific reports

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nature > scientific reports > articles > article

Article Open access Published: 04 July 2024

A smartphone application toward detection of systolic hypertension in underserved populations

Cederick Landry, Vishaal Dhamotharan, Mark Freithaler, Alisse Hauspurg, Matthew F. Muldoon, Sanjeev G. Shroff, Anand Chandrasekhar & Ramakrishna Mukkamala

✓

Scientific Reports 14, Article number: 15410 (2024) | Cite this article

4691 Accesses 81 Altmetric Metrics

Abstract

High systolic blood pressure (BP) is the most important modifiable risk factor for cardiovascular disease. Managing systolic hypertension is especially difficult in underserved populations wherein access to cuff BP devices is limited. We showed that ubiquitous smartphones without force sensing can be converted into absolute pulse pressure (PP) monitors. The concept is for the user to perform guided thumb and hand maneuvers with the phone to induce cuff-like actuation and allow built-in sensors to make cuff-like measurements for computing PP. We developed an Android smartphone PP application. The 'app' could be

https://www.sciencealert.com/your-smartphone-could-soon-measure-your-blood-pressure-with-just-a-touch



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CHECKING AND REPLENISHING STOCK



REPLENISHING STOCK



OPTION 1

THE IRC TEAM RECEIVES THE INVENTORY CHECK AND DECIDES WHEN TO REPLACE THE PRODUCTS.

OPTION 2

AN IRC PARTNER IS RESPONSIBLE FOR REPLACING THE MINIMUM INVENTORY ONCE OR TWICE A MONTH, REDUCING THE IRC TEAM'S TRAVEL REQUIREMENTS.

CHECKING STOCK

ONLINE MODE





SCENARIO 1 - ONLINE SYSTEM

WHEN COLLECTING A PRODUCT, THE USER CONFIRMS THE PURCHASE THROUGH THE APP, UPDATING THE QUANTITY OF PRODUCT IN STOCK.WHEN PROVIDING FEEDBACK, THE USER RECEIVES VIRTUAL CREDITS.





SCENARIO 2 - ONLINE SYSTEM

WHEN REMOVING A PRODUCT, THE RFID LABEL ON EACH PACKAGE COUNTS THE PURCHASE, UPDATING THE QUANTITY OF PRODUCT IN STOCK.





SCENARIO 3 - ONLINE SYSTEM

PARTNER CHECKS INVENTORY AND SENDS FEEDBACK TO IRC VIA SMARTPHONE.





SCENARIO 4 - ONLINE SYSTEM

MINI CAMERA DE VIDEO ADAPTADA DENTRO DO DISPOSITIVO SIMPLI CHEK PERMITE CHECAGEM REMOTA DO ESTOQUE.

OFFLINE MODE





SCENARIO 5 - OFFLINE SYSTEM

WHEN COLLECTING A PRODUCT, THE USER CONFIRMS THE PURCHASE THROUGH THEAPP, UPDATING THE QUANTITY OF PRODUCT IN STOCK THROUGH THE BRIAR SYSTEM ADAPTED TO THESIMPLI CHEK DEVICE.





SCENARIO 6 - ONLINE SYSTEM

WHEN REMOVING A PRODUCT, THE RFID LABEL ON EACH PACKAGE COUNTS THE PURCHASE, UPDATING THE QUANTITY OF PRODUCT IN STOCK THROUGH THE BRIAR SYSTEM ADAPTED TO THE SIMPLI CHEK DEVICE.





SCENARIO 7 - OFFLINE SYSTEM

PARTNER CHECKS INVENTORY AND SENDS FEEDBACK TO IRC VIA BRIAR ON YOUR SMARTPHONE

WAVE MODE





SCENARIO 8 - OFFLINE SYSTEM

PARTNER CHECKS INVENTORY AND SENDS FEEDBACK TO IRC VIA PARTNER HAM RADIO, WHICH INFORMS IRC.



USER EXPERIENCE & PARTNERS

DIGITAL DEVICE MECHANICAL DEVICE PRIORITY FOR REFUGEES The IRC CARD is an WOMEN WOMEN exclusive payment method for refugees to prevent nonrefugees from making repeated purchases. **REFUGEE SUPPORT** 用 HEALTH-AID Joana Roias Velasquez Valid until July 2025

SIMPLE DEVICE



JOANA, 21 years old

- 1 Download the app and fill out your profile with your personal information.
- 2 Do the self-screening to find out which contraceptive is best for your condition.
- 3 Participate in the promotions that give away virtual credits to exchange for contraceptives.
- 4 Use the sensor fitted to the device to measure your blood pressure.
- 5 Select the desired product by entering the corresponding number.
- 6 Insert your physical card (RSC CARD) to pay for the product.
- 7 Collect the product.

JADE, 34 years old

- 1 Download the app and fill out your profile with your personal information.
- 2 Do the self-screening to find out which contraceptive is best for your condition.
- 3 Participate in the promotions that give away virtual credits to exchange for contraceptives.
- 4 Look for the IRC partner or the nearest pharmacy to measure your blood pressure.
- 5 Select the desired product by entering the corresponding number.
- 6 Enter coins for the value of the product.
- 7 Collect the product.

NADIR, 42 years old

- 1 Download the app and fill out your profile with your personal information.
- 2 Do the self-screening to find out which contraceptive is best for your condition.
- 3 Look for the IRC partner or the nearest pharmacy to measure your blood pressure.
- 4 Take a maximum of 2 packages of each product. Thanks!

HUMAN PSYCHOLOGY AGAINST THEFT

Fake cameras on the toilet doors and posters next to the devices are intended to prevent product theft and vandalism of the devices.



COMMUNICATION AND SENDING OF DATA

STARLINK HAS RELEASED FREE SATELLITE INTERNET SIGNAL FOR PEOPLE LIVING IN THE BRAZILIAN AMAZON. IRC MAY PRESENT A SIMILAR PROJECT WITH THE OBJECTIVE OF FACILITATING THE ORGANIZATION'S CONNECTION WITH DIGITAL DEVICES FOR THE SALE OF CONTRACEPTIVES.

https://sumauma.com/en/starlink-a-internet-de-elon-musk-leva-euforia-e-medo-para-a-amazonia/

FRONTLINE DISPATCH

Starlink: 'Elon Musk's internet' brings euphoria and fear to the Amazon



















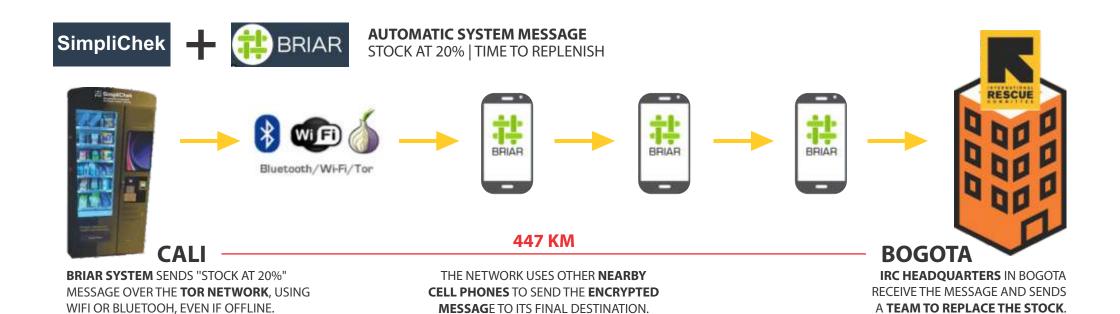


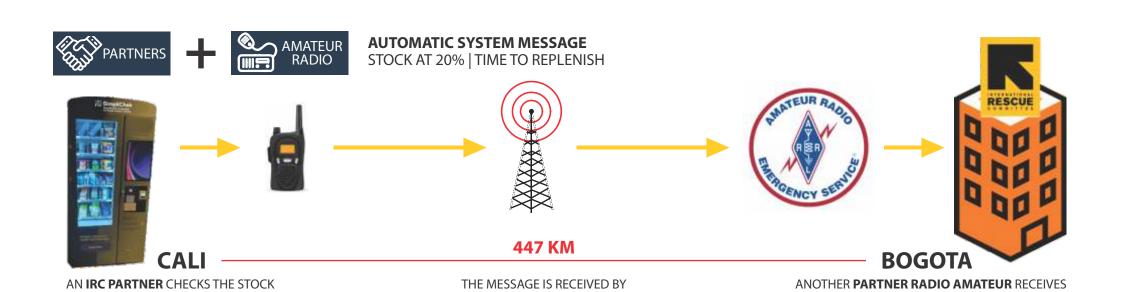


AND SENDS THE "STOCK AT 20%" MESSAGE

OVER AN **AMATEUR RADIO BANDS.**

ALTERNATIVE WAYS TO CONNECT OFFLINE





THE **CLOSEST ANTENNA** AND IS

RETRANSMITTED TO ITS FINAL DESTINATION.

THE MESSAGE AND FORWARDS IT TO IRC HQ IN BOGOTA,

WHICH SENDS THE **TEAM TO REPLACE THE STOCK.**



REFUGEE SUPPORT CENTER APP





USER PERSONAL DATA, PASSWORD AND APP LOGIN



SELF-SCREENING

POINTS & ROUTES

PRODUCTS

PAYMENT TYPES

CONSULTATION

CHAT + CHATBOT

ALERTS!

TUTORIALS

NEWS



SELF-SCREENING

USER MUST COMPLETE THE ELIGIBILITY FORM TO FIND OUT WHICH IS THEIR IDEAL CONTRACEPTIVE.



POINTS & ROUTES

ROUTES WITH THE MOST SUPPORT IN THE REGION AND POINTS OF SALE/DONATION OF CONTRACEPTIVES, LODGING, FOOD, MEDICINES ETC.



PRODUCTS

TYPES OF CONTRACEPTIVES (SALE OR DONATION) AT EACH POINT ON THE USER'S ROUTE.



PAYMENT TYPES

TYPES OF PAYMENT FOR EACH CONTRACEPTIVE SALE DEVICE.



CONSULTATION

ACCESS TO ONLINE
CONSULTATIONS WITH MEDICAL
STUDENTS VOLUNTEERS FROM
ALL OVER THE WORLD FOR
GENERAL MEDICAL ADVICE.



CHAT + CHATBOT

COMMUNICATION CHANNEL BETWEEN APP USERS AND CHATBOT AI TO ASK QUESTIONS. ONLINE VOLUNTEERS SERVED AS AN ALTERNATIVE HELPDESK.



ALERTS!

ALERTS TO TAKE THE CONTRACEPTIVE, EXPIRATION DATE, TIME TO MEASURE BLOWER PRESSURE, MENSTRUAL CALENDAR ETC.



TUTORIALS

VIDEO AND AUDIO TUTORIALS/ PODCASTS ON HOW TO USE EACH TYPE OF CONTRACEPTIVE, HEALTH TIPS, HYGIENE AND CARE FOR SEXUALLY TRANSMITTED DISEASES.



NEWS

RELEVANT NEWS ABOUT THE ROUTES, POLITICAL SITUATION OF COUNTRIES IN THE USER'S REGION, ANNOUNCEMENTS OF MISSING OR DEAD PEOPLE ETC.

Name



APP FUNCTION 1 | SELF-SCREENING: USER ELIGIBILITY

Hormonal Contraceptive Self-Screening Questionnaire Health Care Provider's Name

ı	round Information: Do you think you might be pregnant now?	Yes 🗆	Non
2	What was the first day of your last menstrual period?	1	1
3	Have you ever taken birth control pills, or used a birth control patch, ring, or shot/injection?	Yes 🗆	Non
	Did you ever experience a bad reaction to using hormonal birth control?	Yes □	Non
	- If yes, what kind of reaction occurred?		
	Are you currently using any method of birth control including pills, or a birth control patch, ring or shot/injection?	Yes 🗆	Non
	- If yes, which one do you use?		
4	Have you ever been told by a medical professional not to take hormones?	Yes 🖸	No□
5	Do you smoke cigarettes?	Yes 🗆	Non
<i>Nedic</i>	al History:		
6	Have you given birth within the past 6 weeks?	Yes 🗆	Non
7	Are you currently breastfeeding?	Yes 🗆	Non
8	Do you have diabetes?	Yes a	No□
9	Do you get migraine headaches? If so, have you ever had these kinds of headaches that start with warning signs or symptoms, such as flashes of light, blind spots, or tingling in your hand or face that comes and goes completely away before the headache starts?	Yes □	Non
10	Do you have high blood pressure , hypertension, or high cholesterol?	Yes□	Nop
11	Have you ever had a heart attack or stroke, or been told you had any heart disease?	Yes a	Non
12	Have you ever had a blood clot?	Yes 🗆	Nop
13	Have you ever been told by a medical professional that you are at risk of developing a blood clot?	Yes 🗆	No⊡
14	Have you had recent major surgery or are you planning to have surgery in the next 4 weeks?	Yes 🗆	Non
15	Have you had bariatric surgery or stomach reduction surgery?	Yes □	Note
16	Do you have or have you ever had breast cancer?	Yes□	Non
17	Do you have or have you ever had hepatitis, liver disease, liver cancer, or gall bladder disease, or do you have jaundice (yellow skin or eyes)?	Yes 🗆	Noa
18	Do you have lupus, rheumatoid arthritis, or any blood disorders?	Yes □	Noti
19	Do you take medication for seizures, tuberculosis (TB), fungal infections, or human immunodeficiency virus (HIV)? - If yes, list them here:	Yes 🗆	Nob
20	Do you have any other medical problems or take any medications, including herbs or supplements?	Yes a	Noo
	- If yes, list them here: u have a preferred method of birth control that you would like to use?		
	ill you take each day 🔲 A patch that you change weekly 🖂 Other (ring, injectable, i	mplant,	or IUD
	ernal use only verified DOB* with valid photo ID BP Reading/		

https://www.oregon.gov/pharmacy/Pages/ContraceptivePrescribing.aspx#Tool-Kit_Resources

SELF-SCREENING

THE USER MUST FILL OUT THE FORM IN THE APP TO RECEIVE THE IDEAL CONTRACEPTIVE FOR THEIR HEALTH SITUATION/AGE/LIMITATIONS. ALTERNATIVE: ADAPT A TABLET TO THE DIGITAL DEVICE SIMPLI CHEK FOR THE USER TO ANSWER THE QUESTIONNAIRE.

The self-screening questionnaire is based on the material used by the US government (https://www.uslegalforms.com), in a more simplified manner. It can be filled out on the digital screen when the user first accesses the machine, especially when there is no Wi-Fi available. If Wi-Fi is available at the location, the user can download the self-screening questionnaire and fill it out on their own smartphone, receiving the results in real time.

Summary Chart of U.S. Medical Eligibility Criteria for Contraceptive Use

TABLE OF RISK CONDITIONS FOR USE OF CONTRACEPTIVES

Pages 1.2	Color coded to the left column to match the corresponding	Im.	
	question of the Oregon Self-Screening Rick Assessment	Streetstam justical on he wood. Advantages processor automatistical or present rate	
	Questionziaire.	Theoretical or preven make upually nothings for advertages.	
Amanged alphabetically by disease state		4. Disacceptable health max (yestined earlito be used).	

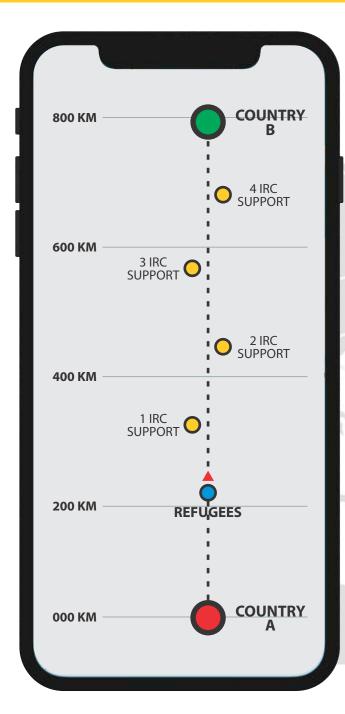
Corresponding to the order of the Oregon Self-Screening Contraception Risk Assessment Questionnaire:

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- 1		Santon to Mark	Management value	Dec.
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	4) Apr + 25		- Alle	12
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	O Age > 15 > 15 rigorettes/day			Tex
. a. Programmy	(Not Eligible for morraception)			
	al < Il then			- Part I
	h) 21 days in 42 days			
d. Postpartner	ID with other risk factors for FTE		- 1	(40
(see also brombered up)	[3] without other risk feeture for VTE	- 1	1	Sec
	ci > 42 dex	-	100	760
	al + 1 month postparture		- 31	, fwi
	b) I mouth or more pursporture		101	Fee
	a) Shitters of periational DN only.	1	- 1	- Fax
	b). Non rescular disease		-	1
	N. Other chairmel Net:			
f. Diebetermelliter	IC non-insula dependent	- 1	12	760
(DM)	(I) lurally depositents	1	191	Two
	c) Nephropathy / retinopathy/ remorpathy#		100	. 590
	(1) Other number disease or diabeter of >20			260
	reser brastiest			100
	Al Net-migrationa		20 20	790
	N/ Migration			- 14
g Headaches	Distributant age 435	7 1	H P	- 20
	El without auto, age 225		9 9	Face
	Bill with some any age		2511 (0000000)	Tes
	a) Adequately controlled hypertension b) Elecated blood pressure levels (property			
	taken measurements)			
B. Myerbeasien	II) matelia 149-159 or disetolia 96:99			100
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p. Thrusdeagenic materioret			9	-

https://www.oregon.gov/pharmacy/Pages/ContraceptivePrescribing.aspx#Tool-Kit_Resources



APP FUNCTION 2 | POINTS AND ROUTES: IRC SUPPORT ON THE WAY



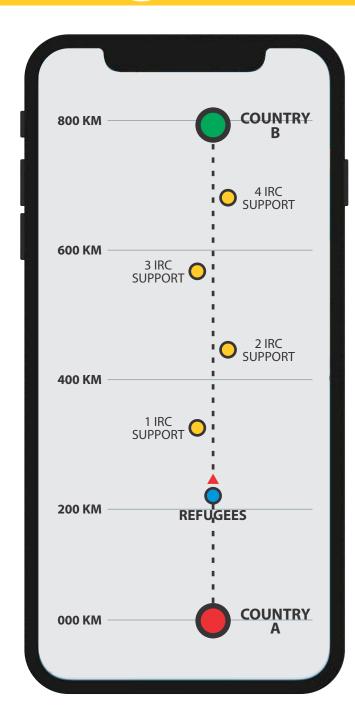
POINTS & ROUTES

ON THEIR JOURNEY TO ESCAPE THE CONFLICT, REFUGEES WILL HAVE HELP FROM THE APP, WHICH WILL SHOW THEM THE ROUTES IN THEIR REGION AND THE POINTS WHERE THEY CAN FIND DEVICES FOR SALE OR DONATION OF CONTRACEPTIVES, FOOD CENTERS, MEDIUM CLINICS, CAMPS, HOSTELS, ETC.





APP FUNCTION 3 | PRODUCTS: TYPES OF CONTRACEPTIVE



PRODUCTS

BY HAVING A REPORT OF ALL THE CONTRACEPTIVES THAT YOU MAY FIND ON YOUR ROUTE, USERS WILL BE ABLE TO PLAN IN ADVANCE TO REPLENISH THEIR STOCK OF PROTECTION METHODS.

POINT	FOR SALE	FREE
1 IRC SUPPORT		
2 IRC SUPPORT		
3 IRC SUPPORT	III// (1)	
4 IRC SUPPORT		



APP FUNCTION 4 | PAYMENT TYPES: VARIOUS OPTIONS



PAYMENT TYPES

IRC CARD

DIGITAL CARD

QR CODE

SUBSCRIPTION

TRANSFER

PROXIMITY

PAYMENT TYPES

HOW CAN THE USER PAY FOR THE PRODUCTS?

IT IS IMPORTANT TO NOTE THAT ALL PAYMENT ALTERNATIVES PRESENTED DEPEND ON AN ADAPTATION OF THE SIMPLI CHEK CONTRACEPTIVE SALES DEVICE. THE IDEA IS TO MAKE IT EASY FOR THE USER TO HAVE SEVERAL WAYS TO PAY FOR PRODUCTS DURING THEIR JOURNEY.



IRC CARD - IRC WILL DISTRIBUTE PHYSICAL CARDS SO THAT USERS CAN LOAD THEM WITH CREDITS TO BUY CONTRACEPTIVES ON PAID DEVICES.



DIGITAL CARD - THE APP ALLOWS THE USER TO CREATE A DIGITAL CARD TO USE AS AN ALTERNATIVE. THIS CARD ALLOWS YOU TO ACCUMULATE **CREDITS*** *(SEE ABOUT CREDITS BELOW).



QR CODE - PRODUCTS CAN ALSO BE PAID FOR BY READING QR CODES SHOWN ON THE DISPLAY OF PAID CONTRACEPTIVE DEVICES.



SUBSCRIPTION - THE USER CAN MAKE A SUBSCRIPTION TO CONTRACEPTIVES ON A BI-ANNUAL OR ANNUAL BASIS, SIMPLY CAPTURING THE SUBSCRIPTION OR CODE TO GET THE PRODUCT.



TRANSFER - PRODUCTS MAY BE PAID FOR BY CURRENCY TRANSFER IN CASES WHERE THE PAID DEVICE IS ONLINE.



PROXIMITY - THE SYSTEM OF CONNECTING THE CELL PHONE TO THE PAID CONTRACEPTIVE DEVICE IS ANOTHER PRACTICAL FORM OF PAYMENT.



APP FUNCTION 4.1 | PAYMENT TYPES > DIGITAL CARD > CREDITS



CREDITS

SELF-SCREENING

BLOOD PRESSURE

TESTEMONIAL

IRC FEEDBACK

SHARE RSC APP

CHECK SELFIE

OUIZ TEST

TUTORIALS

DIGITAL CARD

CREDITS

HOW CAN THE USER EARN CREDITS TO EXCHANGE FOR PRODUCTS?

IN THE "DIGITAL CARD" FUNCTION THERE IS A "CREDITS" OPTION, WHICH ALLOWS THE USER TO EARN VIRTUAL CREDITS BY INTERACTING WITH THE APP AND WITH THE IRC, HELPING THE SUPPORT CHAIN WHILE GETTING BENEFITS AND LEARNING HOW TO PLAN YOUR SEXUAL LIFE AND PROTECT YOURSELF. THE USER WILL EARN CREDITS WHEN:



SELF-SCREENING - DO YOUR SELF-SCREENING THROUGH THE RSC APP. CREDITS CAN BE USED TO BUY CONTRACEPTIVES AND HYGIENE PRODUCTS.:



BLOOD PRESSURE - WHENEVER YOU MEASURE YOUR BLOOD PRESSURE WITH A PROFESSIONAL IN A PHARMACY



TESTEMONIAL - WHEN YOU UPLOAD VIDEOS OF UP TO 60 SECONDS TO THE 'TUTORIALS' SECTION TELLING ABOUT YOUR EXPERIENCES WITH IRC AND THE RSC APP.



IRC FEEDBACK - WHEN REQUESTED BY IRC, THE USER MAY EARN CREDITS BY FORWARDING INFORMATION ABOUT THE CURRENT STOCK OF DISPENSERS, THEFTS OR VANDALISM.



SHARE RSC APP - WHENEVER YOU SHARE THE RSC APP WITH A NEW USER, YOU ARE HELPING TO PROMOTE THIS IMPORTANT SUPPORT TOOL FOR REFUGEES.



CHECK SELFIE - WHEN THE IRC REQUESTS IT, THE USER CAN CHECK THE STATUS OF THE DISPENSER BY TAKING A SELFIE WITH THE DEVICE AND SENDING IT TO THE IRC CENTER.



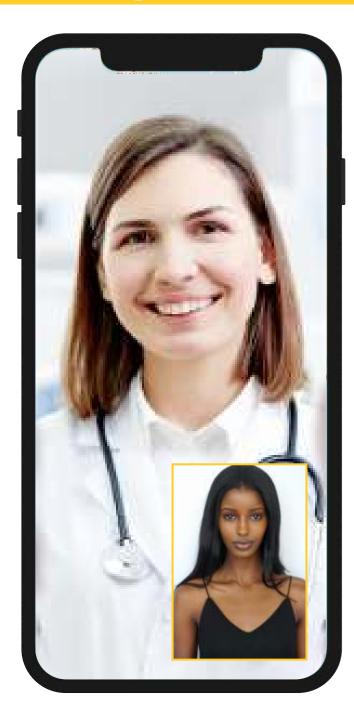
QUIZ TEST - WHENEVER ANSWERING QUESTIONS ON TOPICS RELATED TO CONTRACEPTIVE METHODS, NON-COMMUNICABLE DISEASES AND POPULAR MYTHS.



TUTORIALS - WHEN TO ACCESS THE TUTORIALS AVAILABLE IN THE RSC APP FOR STUDY AND GREATER UNDERSTANDING OF THE BENEFITS AND RISKS OF USING CONTRACEPTIVES.



APP FUNCTION 5 | CONSULTATION: CLINICAL SUPPORT



CONSULTATION

ONLINE CONSULTATIONS FOR REFUGEES AROUND THE WORLD



THE APP ALLOWS VIDEO CALLS WITH SIMULTANEOUS TRANSLATION SOFTWARE, ALLOWING VOLUNTEERS TO HELP REFUGEES OF ANY ETHNICITY AROUND THE WORLD.



STUDENT VOLUNTEERS - Student volunteers from various health areas from around the world assist refugees in online consultations



GYNECOLOGIST - Guidance on eligibility, contraceptive methods, prevention of sexually transmitted diseases.



GENERAL PRACTITIONER - Teaches how to identify and control chronic diseases such as Hypertension, diabetes, obesity; allergies such as rhinitis and s inusitis; flu, cold, dengue and zika infections.



PSYCHOLOGIST - Helps refugees overcome the traumas and challenges of a sudden life change.

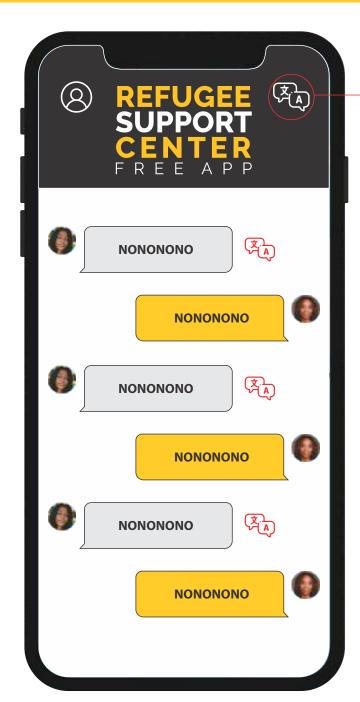


NUTRITIONIST - Indicates the most balanced diet possible for each person, considering their health history and general conditions.

IN THIS EXAMPLE, Herta, a German medical student, talks to Naomi, a refugee from the Democratic Republic of Congo, using simultaneous translation.



APP FUNCTION 6 | CHAT + CHATBOT: COMMUNICATION & INFORMATION



CHAT + CHATBOT

HOW CAN REFUGEES COMMUNICATE, GET INFORMATION AND GET HUMAN SUPPORT THROUGH THE APP?

THIS FUNCTION ALLOWS REFUGEES TO COMMUNICATE WITH OTHER GROUPS, WITH THEIR FAMILY AND WITH VOLUNTEER ATTENDANTS WHO HELP WITH INFORMATION ABOUT IRC SERVICES, ROUTES, SITUATION IN THE COUNTRY OF DESTINATION, ETC. A CHATBOT CAN ALSO BE ACCESSED FOR MORE FREQUENTLY ASKED QUESTIONS. ALLOWS CREATION OF REFUGEE GROUPS



CHAT - Available 24 hours a day, with simultaneous written and spoken translation, allowing refugees of various ethnicities to communicate and exchange experiences, helping each other.



CHATBOT - Uses advanced AI and can be accessed by users at any time to answer questions about the logistics of contraceptive points, the location of other groups, police stations, health centers, hospitals, camps, hostels and food distribution points along the routes.



HELPDESK - Volunteer attendants from various parts of the world take turns to help refugees with questions that cannot be answered by the chatbot in any language.



SELECT SIMULTANEOUS LANGUAGE GENERATED BY AI:

- ENGLISH - SPANISH - MYANMAR - ETHIOPIAN - AFGHAN - CONGOLESE - SOMALI - TIBETAN - SUDANISH - YEMENSE - UKRAINIAN - OTHERS

APP FUNCTION 7 | ALERTS!: IMPORTANT REMINDERS +



ALERTS!

GOOD MORNING, HANNA!



IT'S TIME TO TAKE YOUR
21ST BIRTH CONTROL PILL.



IT'S TIME TO RENEW YOUR STOCK OF FEMALE CONDOMS.



WHEN YOU ARRIVE IN THE NEXT CITY, GO TO A PHARMACY TO MEASURE YOUR BLOOD PRESSURE AGAIN.

ALERTS!

IMPORTANT ALERTS SYSTEM FOR APP USERS

THE AI-BASED ALERT SYSTEM ADVISES THE USER WHEN IT IS TIME TO TAKE THEIR CONTRACEPTIVE, WHEN THEY SHOULD MEASURE THEIR BLOOD PRESSURE AGAIN, THE EXPIRATION DATE OF THE CONTRACEPTIVES, WHEN THEY SHOULD BUY NEW STOCK, THE LIKELY DAY OF THE NEXT MENSTRUATION AND OTHER IMPORTANT PERSONALIZED INFORMATION.

TUTORIALS

VIDEOS, AUDIOS AND TEXTS WITH RELEVANT INFORMATION FOR REFUGEES

LIBRARY WITH INFORMATION FILES ON HOW TO PREVENT SEXUALLY TRANSMITTED DISEASES, HOW TO DO SELF-SCREENING, HOW TO ACCESS OTHER APP FUNCTIONS. USERS ARE ENCOURAGED TO POST SHORT VIDEOS WITH TESTIMONIALS SHARING THEIR EXPERIENCES.

NEWS

RELEVANT NEWS FOR REFUGEES ON THEIR ROUTES.

DURING THEIR JOURNEY, REFUGEES GET LOST AND NEED TO UPDATE INFORMATION ABOUT THE COUNTRY THEY ARE GOING TO, POSSIBLE DANGERS ON THE ROUTE THEY FOLLOW, LOCATION OF IRC SUPPORT GROUPS AND PARTNERS, ETC.