

UTILITY, FEASIBILITY AND ACCEPTANCE OF AN ONLINE PLATFORM FOR TROPICAL DISEASES CONTACT TRACING



Centro de Investigación Biomédica en red
Epidemiología y Salud Pública



CLÍNICA
BARCELONA
Hospital Universitari



ISGlobal Barcelona
Institute for
Global Health

P. Efrain Pantoja¹, Joan Gomez-Junyent²,
Nuria Serret¹, José Muñoz-Gutierrez², Anna
Vilella¹, Antoni Trilla¹

¹ HOSPITAL CLINIC, Preventive Medicine and Epidemiology

² ISGlobal Barcelona

EBOLA OUTBREAK



CONTACT TRACING



ciberesp

Centro de Investigación Biomédica en red
Epidemiología y Salud Pública



Generalitat de Catalunya
**Agència de Salut Pública
de Catalunya**



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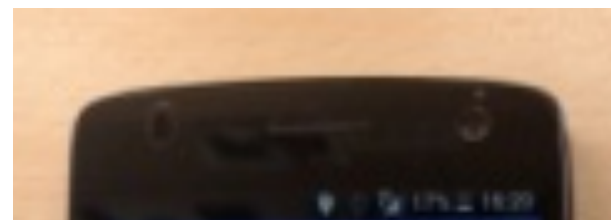
Sevilla

Granada

cibm
CENTRO DE INVESTIGACIÓN BIOMÉDICA



CONTACT TRACING

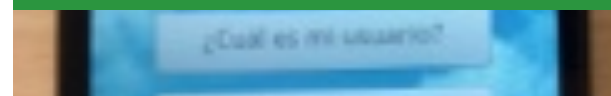


UTILITY



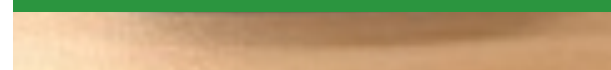
●	20/07/2015	07:23:37	36.30 °C
●	19/07/2015	22:20:26	36.20 °C
●	19/07/2015	06:53:32	36.40 °C

FEASIBILITY



■	14/07/2015	20:55:04	36.50 °C
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ACCEPTANCE



Tomas

entre 00:00 y las 10:00

entre 21:00 y las 22:00

Repetir cada 1 Semanas

Comentarios

Anterior

Siguiente

Inicio de Paciente

Biomedidas

Cuestionario

Adherencia

Multimedia

Resumen

Ultimo año

Cuestionario de síntomas

21/07/2015 06:42:58

Global

En pantalla

Pregunta: ¿Le duele la cabeza?

Respuesta: No

Pregunta: ¿Le duelen los músculos?

Respuesta: No



43



25



20



20

108

53%

80.5% 20-39 y.o.

75.9% €

72.3% <30 DAYS

UTILITY



Sample size	3/3
APP development needed	3/3
User formation	3/3
Real time follow up	3/3
User communication	0/3
Health Promotion	0/3
TOTAL SCORE	27/47

App	Puntuación iSYScore
SocialDiabetes (esp)	37
NeuroRHB	32
Doctoralia	31
Ictus	30
Control EM	27
Diabetes Companion by mySugr	26
BrainyApp español	26
Facemovil	26
Aula de Cáncer de Mama	24
Fundación para la Diabetes	23
SiDiary Diabetes Management	23
Síntomas de meningitis	23
RCP Pediátrica	21
On Health Diabetes	20
Skin Prevention	20
Hombro	20
Quédate Embarazada	20
Contigo	17
Urgencias infantiles CyL	17
Mi embarazo al día	17

FEASIBILITY



43



25



20



20

80.8%

74.9%

70%

55.8%

80.8%

74.3%

69.7%

56.1%

80.8%

75.4%

70.3%

55.5%

^ap<0.05; ^bp<0.001; ANOVA and Sheffe test



a

b

a

FEASIBILITY

Author	Description	Principal results
J. A. Sacks et al. (EEUU, 2015)	Design, implementation and challenges of implementing a tool for contact control based on a mobile application together with analysis and visualization of data as part of the response to Ebola outbreak in Guinea.	Limitations -Software: system crashes poor coordination with the monitoring system. -Using limited data -Monitoring adherence to paper + APP: 92%
C. Fährnich et al. (Alemania, 2015)	Allow contact tracing in real, bidirectional, supervised time and report geo-location and status with SORMAS platform in Nigeria.	Described seven roles in monitoring Automatic classification alerts Real-time monitoring and GPS location Greater adherence in health in rural population Global 73% Sanitary 81% Population 68%
W. M. Chung et al. (EEUU, 2015)	Monitoring active contacts associated with the first contact cluster Ebola in United States. n = 20	Global adherence to application: 66% It was reached to 93% with phone calls

ACCEPTANCE



43

79.1%

69.8%



25

80%

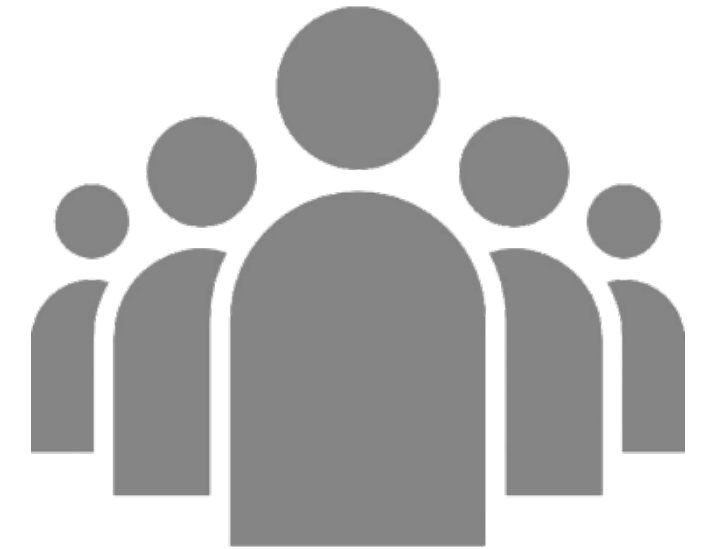
72%



20

75%

55%



20

70%

70%

ACCEPTANCE

- Sometimes satisfaction decrease after a pilot

Estudio	Descripción	Principales hallazgos
M. Kelm y U. Campbell (2016)	Impacto de tecnología móvil en el seguimiento de dosis en farmacia	6% menos satisfacción antes y después de la intervención en sanitarios

Estudio	Descripción	Principales hallazgos
T. Dehling et al (EEUU, 2015)	Información sobre seguridad y privacidad asociada a diferentes factores en aplicativos disponibles en inglés. n=4632 aplicativos en base Android evaluados	Satisfacción de 4 y 5 estrellas 7-25%

LIMITATIONS

Qualitative tool to evaluate utility

Sample size

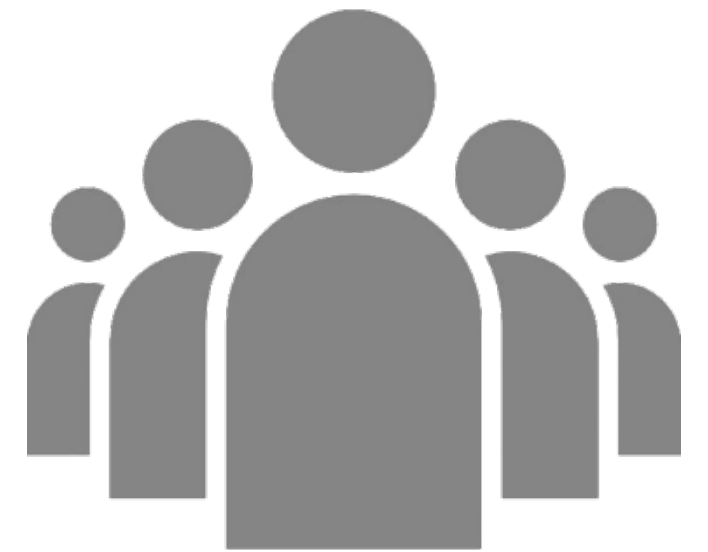
Opportunist selection, by recruitment

Adapted Platform

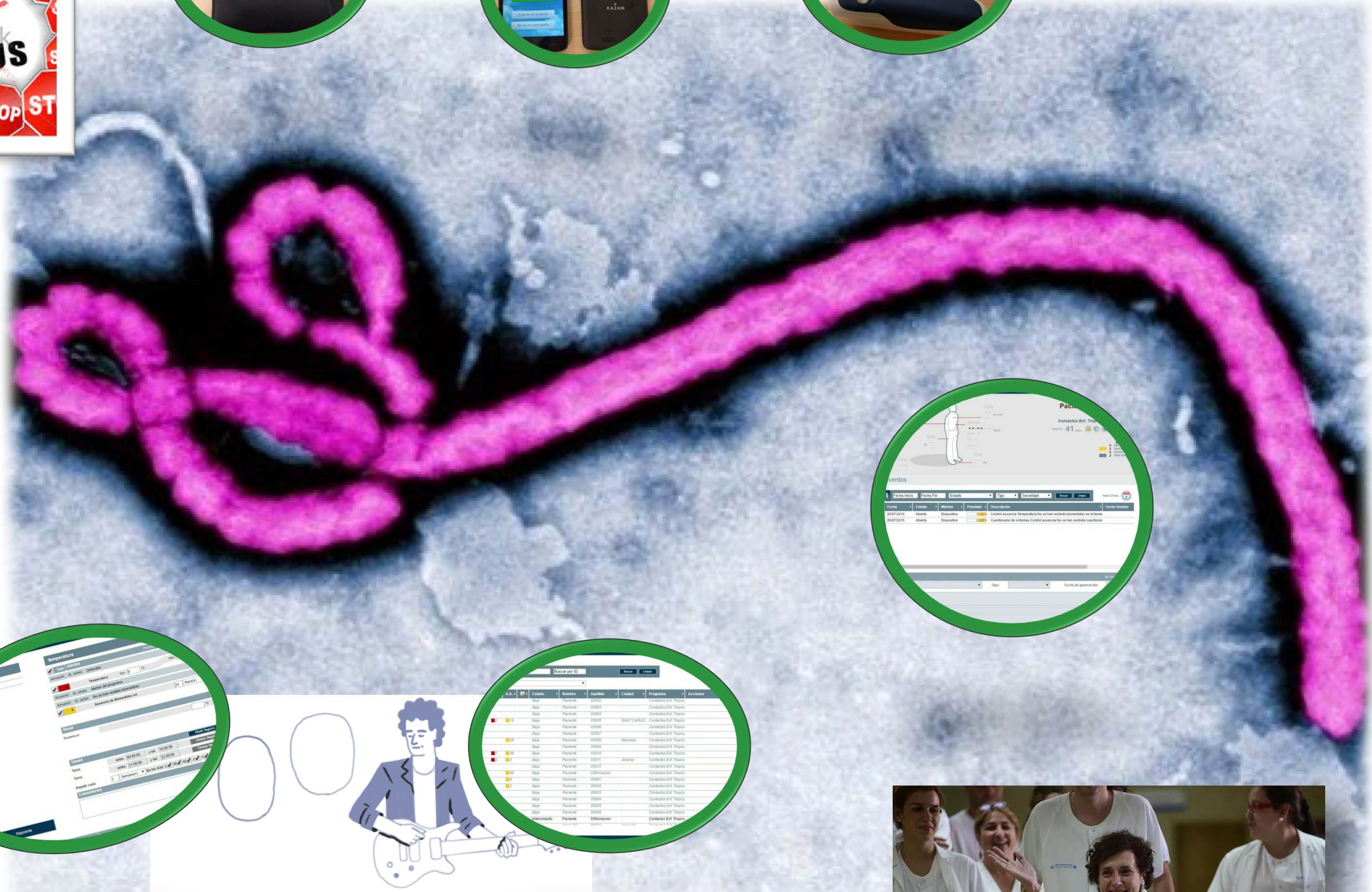
Final survey codified

No “surveillance team” survey

CONCLUTIONS AND RECOMENDATIONS



**High adherence
&
Good acceptance**

A table with patient data, including columns for patient ID, name, age, sex, and other medical information. The table is organized into rows and columns, with a search bar at the top.

Thank you!