The Sustainability of Clinical Pharmacy Services

Beirut, June 24th, 2018

Dr. Aldo Alvarez-Risco

Health systems in each country have different characteristics. However, a typical aspect is that resources are always limited, which is why they must be efficient in spending allocated for health services to citizens.

SUSTAINABLE DEVELOPMENT



The 2015-2030 Sustainable Development Goals existing government commitments for global sustainability.

Thus, goal 3 is focused on health and wellbeing and specifically goal 3.4 states that "By 2030, it reduces by one-third premature mortality from non-communicable diseases through prevention and treatment and promotes mental health and well-being".

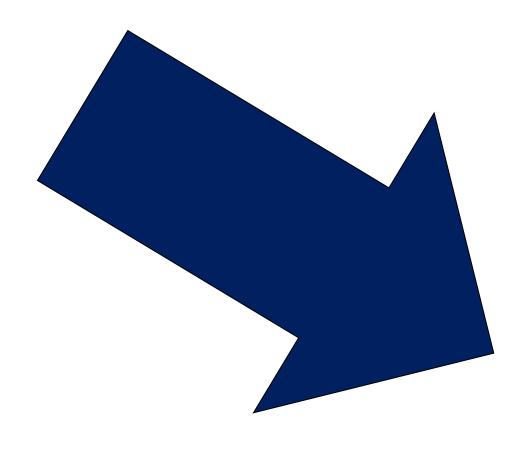
With this urgent need for concrete actions that impact the lives of the citizens of a country, pharmacists have different opportunities to transcend.

At the primary care level, there is access to patients in community pharmacies who, due to their low level of understanding of the use of medicines, urgently need the pharmacists' clinical interventions.

These actions will reduce the economic impact due to misuse and reduce the social impact by decreasing absenteeism and work presentism, apart from the quality of life.

Dispensing







Pharmacotherapy Outcomes

Dispensing

Health literacy

Work with primary and secundary schools and parents

Pharmacist Knowledge

Global training to improve healthcare of patients

Technology available

Maximize use of personal devices and Internet

Pharmacy Regulation

Evidence of clinical pharmacy interventions



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Dispensing

Early Childhood Educ J DOI 10.1007/s10643-015-0751-0

The Effectiveness of a Brief Asthma Education Intervention for Child Care Providers and Primary School Teachers

Stacey Neuharth-Pritchett1 · Yvette Q. Getch2

"A brief intervention for community partners may assist in informing nonmedically trained personnel about asthma. Such an intervention may ultimately reduce the frequency and severity of asthma episodes in young children".

Neuharth-Pritchett, S. & Getch, Y.Q. Early Childhood Educ J (2016) 44: 555.

Dispensing

Health literacy

Work with primary and secundary schools and parents

Pharmacist Knowledge

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Evidence of clinical pharmacy interventions



Dispensing

- 1. Sense making
- 2. Social intelligence
- 3. Novel & Adaptive thinking
- 4. Cross-cultural competency
- 5. Computational thinking
- 6. New-media literacy
- 7. Transdisciplinarity
- 8. Design mindset
- 9. Cognitive load management
- 10. Virtual collaboration

Global training to improve

healthcare of patients

Pharmacist Knowledge



Pharmacotherapy Outcomes



Global training to improve healthcare of patients

Pharmacist Knowledge

Dispensing

1. Sense - making

Ability to determine the deeper meaning or significance of what is being expressed

Haramiova et al. Trials (2017) 18:334 DOI 10.1186/s13063-017-2063-8

Trials

STUDY PROTOCOL

Open Access

The effectiveness of daily SMS reminders in pharmaceutical care of older adults on improving patients' adherence to antihypertensive medication (SPPA): study protocol for a randomized controlled trial

Zuzana Haramiova^{1*}, Michal Stasko¹, Martin Hulin², Tomas Tesar¹, Magdalena Kuzelova³ and Donald M. Morisky⁴



Global training to improve healthcare of patients

Pharmacist Knowledge

Dispensing

2. Social Intelligence

Ability to connect to others in a deep and direct way, to sense and stimulate reactions and desired interactions





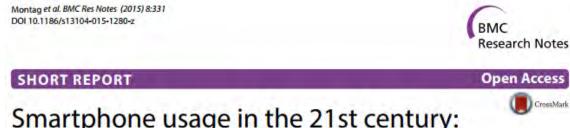
Global training to improve healthcare of patients

Pharmacist Knowledge

Dispensing

3. Novel & Adaptive thinking

Proficiency at thinking and coming up with solutions and responses beyond that which is rote or rule-based



Smartphone usage in the 21st century: who is active on WhatsApp?

Christian Montag^{1,3*}, Konrad Blaszkiewicz², Rayna Sariyska¹, Bernd Lachmann¹, Ionut Andone², Boris Trendafilov², Mark Eibes² and Alexander Markowetz²

Montag, C., Błaszkiewicz, K., Sariyska, R., Lachmann, B., Andone, I., Trendafilov, B., ... & Markowetz, A. (2015). Smartphone usage in the 21st century: who is active on WhatsApp?. *BMC research notes*, 8(1), 331.





Global training to improve healthcare of patients

Pharmacist Knowledge

Dispensing

4. Cross-cultural competency Ability to operate in different cultural settings

Patient Education and Counseling 83 (2011) 310-318

FISEVIER

Contents lists available at ScienceDirect

Patient Education and Counseling





Why don't patients take their drugs? The role of communication, context and culture in patient adherence and the work of the pharmacist in HIV/AIDS

Claire Penn*, Jennifer Watermeyer, Melanie Evans

School of Human and Community Development, University of the Witwatersrand Johannesburg, South Africa

Penn, C., Watermeyer, J., & Evans, M. (2011). Why don't patients take their drugs? The role of communication, context and culture in patient adherence and the work of the pharmacist in HIV/AIDS. *Patient education and counseling*, 83(3), 310-318.

Dispensing



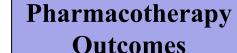
Global training to improve healthcare of patients

Pharmacist Knowledge

5. Computational thinking

Ability to translate vast amounts of data into abstract concepts and to understand data-based reasoning







Global training to improve healthcare of patients

Pharmacist Knowledge

Dispensing

6. New-media literacy

Ability to critically assess and develop content that uses new media forms, and to leverage these media for persuasive communication

SJR

Scimago Journal & Country Rank



Dispensing



Global training to improve healthcare of patients

Pharmacist Knowledge

7. Transdisciplinarity

Literacy in and ability to understand concepts across multiple disciplines

J Urban Health (2017) 94:592-596 DOI 10.1007/s11524-017-0182-x

EDITORIAL

Wanted: a Transdisciplinary Knowledge Domain for Urban Health

Roderick J. Lawrence . Franz W. Gatzweiler

Lawrence, R. J., & Gatzweiler, F. W. (2017). Wanted: a Transdisciplinary Knowledge Domain for Urban Health.



Dispensing

Global training to improve healthcare of patients

Pharmacist Knowledge

8. Design mindset

Ability to mix business and creative approach

Business Thinking	Design Thinking	Creative Thinking
Left Brain	Using both sides of the brain to solve problems	Right Brain
Rational and structured	Switching at will between rational & structured to a more emotional & intuitive	Emotional and intuitive
Focused on analysis	Iterating between analysis and synthesis	Focused on synthesis
Dealing with well-defined problems	Dealing with ill-defined problems	Dealing with undefined problem
A problem is somthing to get out of the way	A problem is the start of the process	There is no problem
Mistakes are not tolerated	Mistakes are learning experience	There are no mistakes
Analyse > decide	Analyse > ideate > prototype > evaluate > decide	Perceive > ideate > decide
Focused on parts of the problem	Zooming in and out, taking the problem apart to reassemble it in a different way	Holistic focus

Mindset:Design Thinking

Business Thinking	Design Thinking	Creative Thinking
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Dispensing

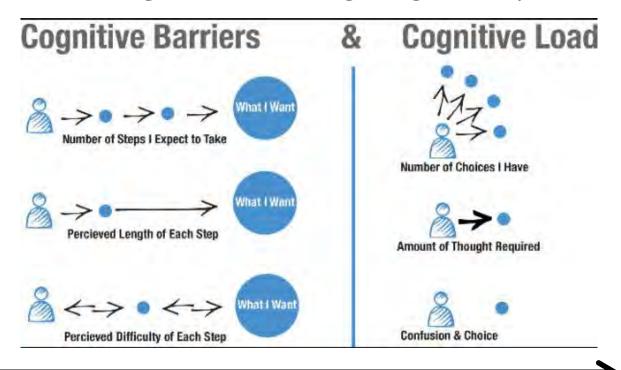


Global training to improve healthcare of patients

Pharmacist Knowledge

9. Cognitive load management

Ability to discriminate and filter information for importance, and to understand how to maximize cognitive functioning using a variety of tools and techniques





Global training to improve healthcare of patients

Pharmacist Knowledge

Dispensing

10. Virtual collaboration

Ability to work productively, drive engagement, and demonstrate presence as a member of a virtual team.



Atención farmacéutica, ecofarmacovigilancia y su aporte en la creación de ciudades sostenibles

Rev. O.F.I.L. 2015, 25;3:183-186

Fecha de recepción: 29/01/2015 - Fecha de aceptación: 18/06/2015

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de la Red de Desarrollo Científico Perú

Pharmaceutical care, ecopharmacovigilance and contribution in creating sustainable cities



ORIGINAL

Impacto de la Atención Farmacéutica en la adherencia de los pacientes con VIH en el Hospital San Pablo de Coquimbo, Chile.

Impact of pharmaceutical care in adherence of HIV patients in Hospital San Pablo de Coquimbo, Chile.

Silva-Villanueva M¹, Alvarez-Risco A², Del-Aguila-Arcentales S²,

Sanchez-Parra G3

Author Information p 126
Full text and PDF www.ajmc.com
Web exclusive

Pharmacists and Mass Communication for Implementing Pharmaceutical Care

Aldo Alvarez-Risco, MSc, Mg, BPharm; Shyla Del-Aguila-Arcentales, Mg, BPharm; and James G. Stevenson, PharmD. FASHP

ommunication activities are critical tools for the pharmaceutical profession in order to improve and maintain a positive image among the public. These important outreach efforts should be well-planned in order to successfully reach both a broad and narrowly defined audience. In order to allow more people to follow updates on and become aware of the patient care that is provided by pharmacists, it is important that the media also participate in these types of health-related events and provide details about their findings for the public.

Pharmacists Day Celebrations

Throughout the year, each region or country has a day, week, or even month to celebrate the contributions and work of pharmacists. These celebratory events present an ideal opportunity

ABSTRACT

One of the most important responsibilities of pharmacists practicing in a team-based environment is to stay current with news about health (ie, professional services, medicines, and important occasions such as World Pharmacists Day and National Pharmacist Day). Additionally, providing information to the media that highlights the positive outcomes of pharmacist care would help to improve or maintain a positive image among the public. For example, World Diabetes Day and World HIV/ AIDS Day both present good opportunities to promote awareness of each disease, as well as disseminate information and highlight the role of pharmacists in care management for these patients. In this article, the authors share their experiences with, and suggestions for, effective communication with the media.

Am J Pharm Benefits. 2015;7(3):e125-e126







Who want to change?

How change?

START TO DO YOUT CHALLENGES BY 21 DAYS CONTINUOUSLLY

If the medications used are not effective and safe, how much longer do we want to continue to waste resources?

If medications are used, and therapeutic goals are not met, we must take action to ensure the sustainability of the system.

What are you waiting for?

What we are working in research?

Ars Pharmaceutica

Barriers for implementation of cosmetovigilance in Peru: Structural Equation Modeling Using Partial Least Square

Barreras para la implementación de la Cosmetovigilancia en Perú: Modelo de Ecuaciones Estructurales usando de Mínimos Cuadrados Parciales

Shyla Del-Aguila-Arcentales¹, Aldo Alvarez-Risco², Santiago Diaz-Risco³

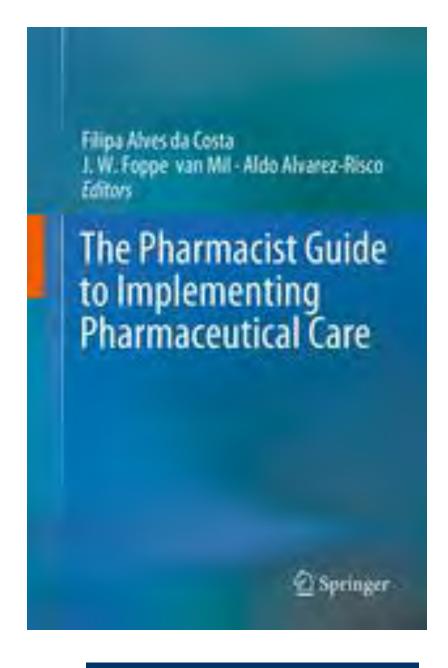
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http://dx.doi.org/10.4321/S2340-98942018000100002

What we are working in research?

Barriers for clinical services in community pharmacies in Lebanon

Msc. Racha Mourtada, Dr. Aldo Alvarez-Risco



Dr. Aldo Alvarez-Risco

Keep going, pharmacists, keep going

The Sustainability of Clinical Pharmacy Services

Beirut, June 24th, 2018

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