

How global training for pharmacist can make change in patient's healthcare

**Taichung, August 15th,
2017**

Dr. Aldo Alvarez-Risco

What is learning?

What is global?

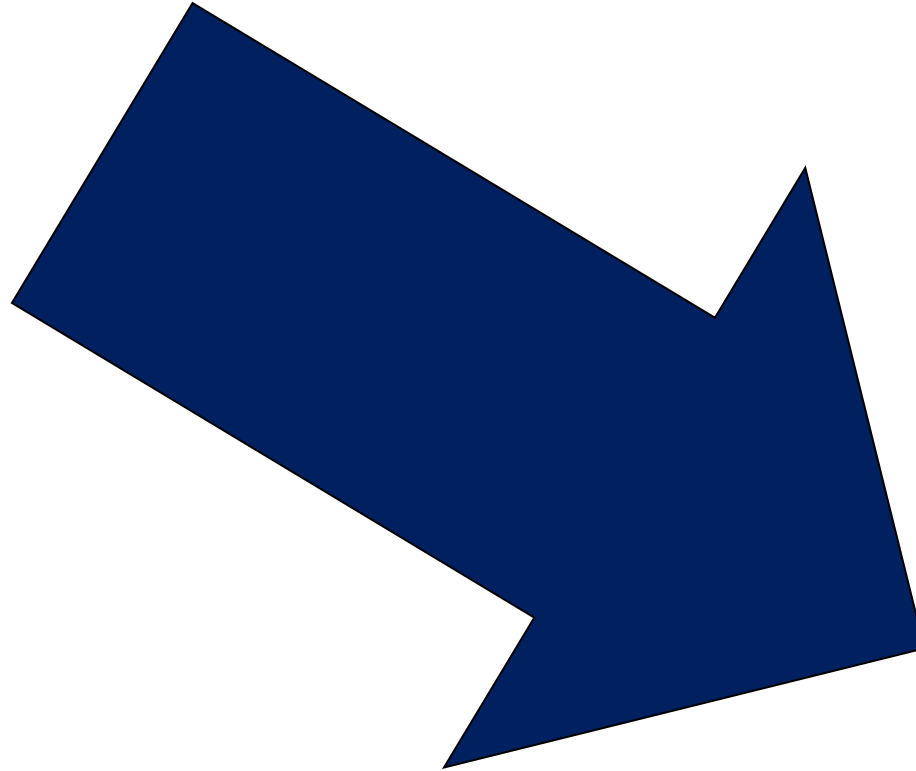
What is global learning?

What is change?

What is global learning to change?

Receipt medicines

Dispensing



**Pharmacotherapy
Outcomes**

Dr. Aldo Alvarez-Risco

Receipt medicines



Dispensing

Health literacy

**Work with primary and
secondary 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**



**Pharmacotherapy
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Receipt medicines



Dispensing

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secondary schools and parents**

Health literacy

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.

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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
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Global training to improve healthcare of patients

Dispensing

Pharmacist Knowledge

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

Pharmacotherapy
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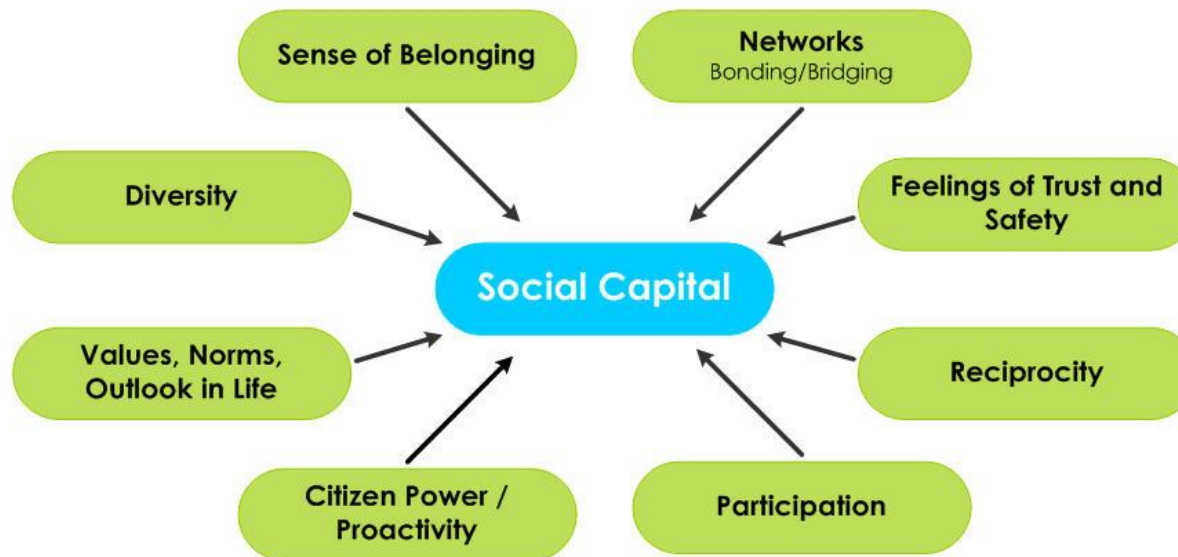
Global training to improve healthcare of patients

Dispensing

Pharmacist Knowledge

2. Social Intelligence

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



Pharmacotherapy Outcomes

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Dispensing



Global training to improve healthcare of patients

Pharmacist Knowledge

3. Novel & Adaptive thinking

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

Montag et al. *BMC Res Notes* (2015) 8:331
DOI 10.1186/s13104-015-1280-z


BMC
Research Notes

SHORT REPORT

Open Access



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., Blaszkiewicz, 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.

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Global training to improve healthcare of patients

Dispensing

Pharmacist Knowledge

4. Cross-cultural competency

Ability to operate in different cultural settings

Patient Education and Counseling 83 (2011) 310–318



Contents lists available at ScienceDirect

Patient Education and Counseling

journal homepage: www.elsevier.com/locate/pateducou



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.

Pharmacotherapy
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5. Computational thinking

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



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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

Scopus 

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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.**

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Pharmacist Knowledge

8. Design mindset

Ability to mix business and creative approach

Mindset: Design Thinking

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 problems
A problem is something 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

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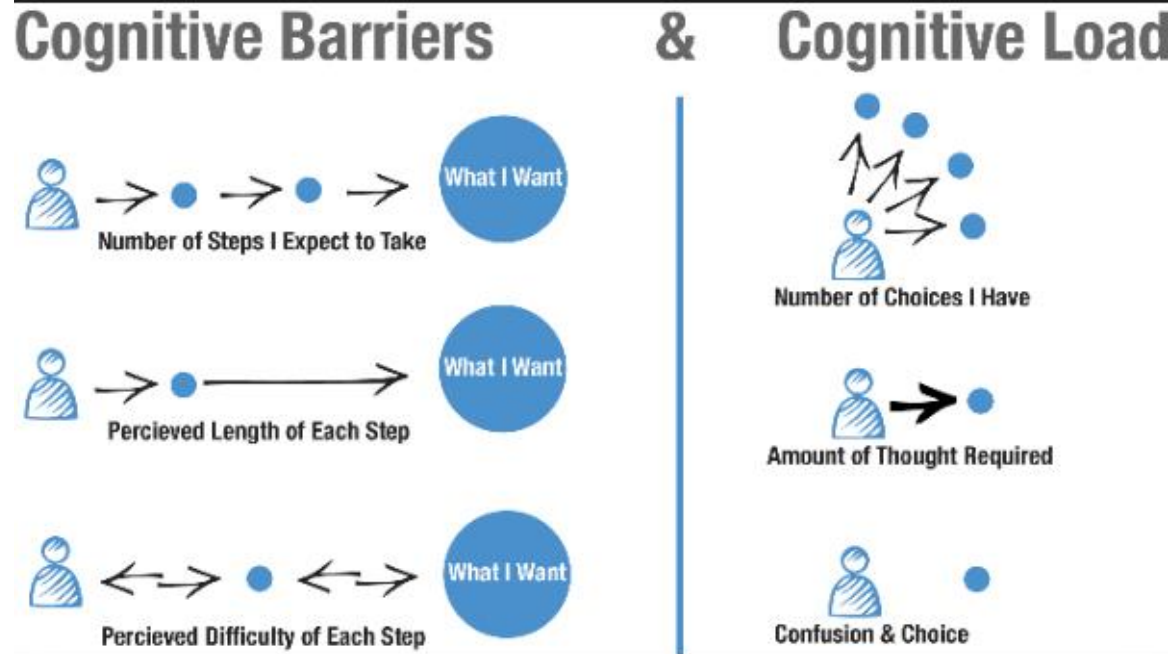
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9. Cognitive load management

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



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10. Virtual collaboration

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



**Pharmacotherapy
Outcomes**

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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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2 Químico Farmacéutica. Magister en Ciencias Farmacéuticas Mención: Ciencia y Tecnología Cosmética. Coordinador 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

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

Communication 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



■ ORIGINAL

Barreras para la provisión de Atención Farmacéutica en farmacias de Tainan, Taiwán

Barriers to pharmaceutical care practice in pharmacies in Tainan, Taiwan

Alvarez-Risco A1, Yi-Fang L2, Del-Aguila-Arcentales S3, Pei-Wen Y4.

Who want to change?

How change?

START TO DO YOUT CHALLENGES BY 30 DAYS CONTINUOUSLY



**How global training for pharmacist can make change
in patient's healthcare**

Pharmacist's role of Sustainable Development

Dr. Aldo Alvarez-Risco

Keep going, pharmacists, keep going

How global training for pharmacist can make change in patient's healthcare

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