Vulnerable populations in Switzerland: addressing social determinants of health for advancing equity

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WHO Strategic Meeting on Social Determinants of Health
Geneva, 13th September 2019
Presentation

- Center for Primary Care and Public Health (Unisanté), Lausanne
  - Department of Vulnerabilities and Social Medicine

- University of Lausanne (UNIL)
  - Chair of medicine for vulnerable populations

- “I’m in the field with hands on”
Agenda

• Vulnerabilities, social determinants of health and equity

• Frequent users of the emergency department

• Syrian refugee families

• Food for thought
Agenda

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• Food for thought
Vulnerabilities

Zagorac I. Journal of Health Care for the Poor and Underserved, 2016
Hurst S. Bioethics, 2008
Vannotti M. Le métier de médecin, 2006
Benaroyo L. Ethique et responsabilité en médecine, 2006
Vulnerabilities and social determinants of health

MEDICAL VULNERABILITY
- Somatic
- Mental
- At risk behaviors
- Disabilities

SOCIAL VULNERABILITY
- Material deprivation
- Poor health literacy
- Forced migration
- Minority

CLINICAL VULNERABILITY
- Poor quality of care
  (access, prevention, diagnostic, orientation)

Bodenmann P, Jackson Y, Vu F, Wolff H. Vulnérabilités, équité et santé. RMS Editions, 2018
Vulnerabilities, social determinants of health and equities

Clinical Equity

Structural Equity

Frequent users of the emergency department
Agenda

- Vulnerabilities, social determinants of health and equity
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- Syrian refugee families
- Food for thought
Frequent Users of Emergency Department (FUED)
FUED: what we know and should know

• **FUED**
  - ≥ 5 visits / year

• **Disproportionally high number of ED consultations**
  - 4%-8% patients → 21-28% consultations → 4%/12%

• **FUED: vulnerable population**
  - Cumulative vulnerabilities → social, medical -mental health, at risk behaviors-, stereotypes, mortality

• **Case Management Intervention**
  - Redirecting and reorienting FUEDs to services within the hospital and community-based settings

• **Implementation**

Althaus et al., 2011; Bieler et al., 2012; Bodenmann et al., 2015; Vu el., 2015; Baggio S et al., 2015; Griffin J et al.; 2016; Bodenmann et al., 2017; Iglesias et al., 2018; Moschetti et al., 2018; Grazioli V et al., 2019; Chastonnay et al., in process.
Case Management Intervention (CMI)

Team: 4 nurses and 1 intern (interdisciplinarity)

→ Besides standard healthcare, the CM included:

✓ Counselling
✓ Social support and assistance
✓ Orientation to specialized healthcare; coordination in healthcare

Bodenmann et al. Characterizing the vulnerability of frequent emergency department users by applying a conceptual framework: a controlled cross-sectional study. *Journal for Equity in Health*, 2015
Bodenmann et al. Characterizing the vulnerability of frequent emergency department users by applying a conceptual framework: a controlled cross-sectional study. *Journal for Equity in Health*, 2015
Randomized controlled trial

Funding:
FNS : 32003B_135762

Results
Results

Case Management may Reduce Emergency Department Frequent use in a Universal Health Coverage System: a Randomized Controlled Trial

Patrick Bodenmann, MD, MSc1, Venetia Sofia Velonaki, PhD2, Judith L. Griffin, MD1, Stéphanie Baggio, PhD2, Katia Iglesias, PhD3, Karine Moschett1, PhD2,4,5, Omella Ruggerl, Psych D6, Bernard Burnand, MD MPH7, Jean-Blaise Wasserfallen, MD MPH8, Francis Vu, MD1, Joelle Schupbach, RN9, Olivier Hugli, MD MPH10, and Jean-Bernard Daeppen, MD10

Tableau implementing a Case Management intervention

Quality of Life Research (2018) 27:503-513
https://doi.org/10.1007/s11136-017-1739-6

Using case management in a universal health coverage system to improve quality of life of frequent Emergency Department users: a randomized controlled trial

Katia Iglesias1,2,3,4, Stéphanie Baggio1,2, Karine Moschett1,2,4,5, Jean-Blaise Wasserfallen2,7, Olivier Hugli8,10, Jean-Bernard Daeppen5, Bernard Burnand6, Patrick Bodenmann10

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Health care costs of case management for frequent users of the emergency department: Hospital and insurance perspectives

Karine Moschetti1,2,3, Katia Iglesias4, Stéphanie Baggio2, Venetia Velonaki6, Olivier Hugli8, Bernard Burnand1, Jean-Bernard Daeppen1, Jean-Blaise Wasserfallen2, Patrick Bodenmann9

PLOSONE | https://doi.org/10.1371/journal.pone.0199661 | September 24, 2018
Implementing a Case Management intervention for frequent users of the emergency department (FU-ED): a multicenter study in Switzerland

Prof P Bodenmann, PhD V Grazioli, PhD student M Kasztura, Profs O Hugli, JB Daeppen, J Griffin, Dr J Moulin

Objectives:

- to develop and disseminate a practical Case Management Intervention for Frequent Emergency Department Users to several hospitals in the French-speaking region of Switzerland
- to study the process of implementation of the Case Management Intervention
- to study the impact of a Case Management Intervention on health services outcomes (ED use, health care reorientation, quality of life and costs)

Methodology:

Case-management intervention in all the French-speaking Switzerland ED
Adressing SDH for advancing equity

- teaching (SDH)
- grid of 5 domains of vulnerability (including SDH)
- case management

- implementation in the regional and national EDs
- shared model at the international level
Agenda

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20 NEW DISPLACEMENTS EVERY MINUTE
Specific needs of Syrian refugee families
Specific needs of Syrian refugee families: context

Background

• Swiss resettlement program for vulnerable Syrian families

Goal

• Understand the specific needs and document the medical development of Syrian families through their migration process in Switzerland - Vaud

Specific needs of Syrian refugee families: methodology

Population
• 15 resettlement families / 15 non-resettlement families

Data collection (semi-structured interviews)

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<td>Upon arrival</td>
<td>After 6 months</td>
<td>After 12 months</td>
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Questionnaires
• For both parents and children > 8 years old
• Family functioning (FAD, DAS, A-FPRQ, Parentification Inventory)
• Mental and physical health (MINI, ASSSIST, Sf-12, Sf-10)
• Feeling of support (MSPSS)
• Feeling of belongingness to groups
Specific needs of Syrian refugee families: preliminary results

- Resettlement parents seem to show better health outcomes (physically and psychologically)

<table>
<thead>
<tr>
<th>Physical health</th>
<th>Mental health</th>
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<td>M= 43.74</td>
<td>M= 45.01</td>
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- Marital satisfaction and positive family functioning are associated with better health outcomes (for both res. and non-res. parents)

- All children seem to report good outcomes (school being a great integration gateway). However, resettlement children seem to do a little better.
Adressing SDH for advancing equity

Clinical Equity

- a new model of consultation: the family approach
- interdisciplinary approach

Structural Equity

- resettlement process: protective
- health policy: maintain the family is key

Food for thought
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Primary Care Physician Stress Driven by Social and Financial Needs of Complex Patients


J Gen Intern Med 2019;34(6):918-9
DOI: 10.1007/s11606-018-4815-x
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Screening for Housing Instability: Providers’ Reflections on Addressing a Social Determinant of Health

Monika Chhabra, MD,1 Annalee E. Sonenstein, MS, MPH, Meagan Cusack, MSc,2 Melissa E. Richter, PhD,3 Ann Elizabeth Montgomery, PhD,4,5,6 and Gaza Yue, PhD,7

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DOI: 10.1007/s11606-019-04995-x
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Screening for Social Determinants of Health: The Known and Unknown

JAMA Published online August 29, 2019

Teaching the Social Determinants of Health in Undergraduate Medical Education: A Scoping Review

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The Lausanne Equity Interdisciplinary Hub
The Lausanne Equity Interdisciplinary Hub

- Prof Patrick Bodenmann and Prof Joan Marti (economist)
- Prof Vincent Barras (historian)
- Prof Dario Spini (sociologist)
- Prof Nicolas Senn (family medicine)
- Prof Philip Larkin (nurse)
- Dr Stéphanie Pin (public health- Vaud)
- Mr Serge Houmard (Swiss office of public health)
- Miss Erika Placella (Swiss Agency for Developpment and Cooperation)

- Véronique Grazioli, PhD
- Nahema El Ghaziri, PhD
- Miriam Kasztura, PhD student
- Kevin Morisod, PhD student

Thank you for your attention
Case Studies in Social Medicine:
SEEING PATIENTS THROUGH A SOCIAL LENS
Exploring social medicine concepts and their clinical implications.

Thank you for your attention

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