## POWER OVER PAIN

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## Chronic Pain at $11^{\text {th }}$ Street

- Challenging to coordinate care
- PCP died
- Opioid reliant patients
- Idea of centering
- We wanted to:
- Coordinate care
- Educate and empower patients
- Provide high quality evidence based care
- Provide trauma informed care
- Build resilience
- Engage patients
- Taper opioid use



## $11^{\text {th }}$ Street Family Health Services

- Clinic Information
- Multidisciplinary center:
- Primary care
- Dental
- Behavioral health (social work, art/dance/music therapy, psychology)
- Physical therapy
- Supportive services (fitness, CIT, multiple classes and groups, etc.)
- Neighborhood Demographics
- Median family income: \$13,000
- Uninsured: 40\%
- Adverse childhood experiences (ACE) score of 4 or more: $49 \%$


ACE: Dose Dependent Risk Factor

| - Mental Health Concerns <br> - Schizophrenia <br> - Anxiety <br> - Depression <br> - Bipolar disorder <br> - Personality disorders | - Physical Health Concerns <br> - Headaches <br> - Asthma <br> - Hypertension <br> - High cholesterol <br> - Respiratory infections <br> - Chest pain |
| :---: | :---: |
| - Social Health Conc | - Sexually transmitted diseases |
| - $\downarrow$ success in education and employment | - Chronic pain <br> - Substance and alcohol abuse |
| - $\downarrow$ economic success | - Hyperlipidemia |
| $\uparrow$ maladaptive coping patterns | - Diabetes |
| - $\uparrow$ risky behaviors | Obesity |
|  | Multiple somatic complaints |

- Physical Health Concerns
- Headaches
- Hypertensio
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- Respiratory infections
an
- Chronic pain
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Multiple somatic complaints

Neuroplastic Changes Resulting From Chronic Emotional Stress


## Power Over Pain

- Open psycho-educational group
- 12 weeks
- 18 handouts
- Multidisciplinary education
- Instruction
- Lecture
- Small group discussion
- Reading (handouts and book)
- Problem solving
- Idea sharing
- Social worker every session to assure healthy group culture
- "Tool kit"


The Serenity Prayer as a Flow Chart


## Curriculum

bit.ly/poweroverpain

- Tool kit, goal setting and becoming your own pain expert
(neuroscience education)
- Medications
- Exercise, pacing and graded exposure
- Diet and nutrition
- Mindfulness and learning to relax
- Barrier assessment and goals check-in
- Fighting fatigue
- Metaphoric and motor imagery
- Music for pain management
- Changing thoughts, feelings, and behavior
- Communication and relationships
- Gaining self-confidence, building resiliency and conclusion of group with goals check-in


## Preliminary Findings

- Theme 1: Transformation from being stuck to feeling empowered

BEFORE: stuck physically, emotionally, cognitively, and socially
AFTER: better at self care, felt empowered and motivated, and had a better understanding of chronic pain that helped break/deal with stigmas
Theme 2: Most valued aspects of the POP program

- Social support, shared experience, exchange of ideas

Refocus on positive things
Renewed appreciation of exercise and activities
Relaxation techniques and meditation
Theme 3: Preferred pain management techniques
Exercise and activities
Relaxation
Meditation
Music (to refocus, relax, or energize)
Social engagement (e.g. interacting and talking with others, helping others)

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## Patient Quotes

- "And not really focusing on the pain. Instead just doing what I can do and what I can't do I just don't try to force myself to do things. So that also helps me cope with it."
"You have someone to talk to that knows that you're not lying."
- "Yeah it gave me a new knowledge about pain and how to redirect my thinking, you know like photography it kind of helped me like take the cover off so I can get a better view, and a brighter perspective about the direction I'm going in now."
"I really got a lot out of it as far as different little homemade remedies you could do to ease this pain instead of always medicated, medicated, medicated."

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Lynch L, Waite R, Davey M. Adverse childhood experiences and diabetes in adulthood: Support tor a collaborative approach to 
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## Neuroscience

## - Canadian Pain Coalition: Overcome Pain

- Great for patients but, each part is 45 in long so it is for the right person at the right time
http://www.canadianpaincoalition.ca/media/video/overcome pain/part 1/
http://www.canadianpaincoalition.ca/media/video/overcome pain/part 2/
http://www.canadianpaincoalition.ca/media/video/overcome pain/part 3/
- Moseley Ted Talk
- https://www.youtube.com/watch?v=gwd-wLdIHjs


## Behavioral Health

- Trauma informed care
- http://trauma-informed.ca/wp-content/uploads/2013/10/Traumainformed Toolkit.pdf

APA Resilience Information

- http://www.apa.org/helpcenter/road-resilience.aspx

Resilience Ted Talk: The Idea of Emotional Hygiene
http://www.ted.com/talks/guy winch the case for emotional hygi ene?utm source=newsletter weekly 2015-02-
21\&utm campaign=newsletter weekly\&utm medium=email\&utm content=talk of the week button

## Public Health

- Institute of Medicine

IOM Report: Relieving Pain in America: A blueprint for Transforming
Prevention, Care, Education and Research. Washington, DC: The National
Prevention, Care, Education and Research. Washington, DC: The National
Academies Press, 2011.

- http://www.iom.edu/Reports/2011/Relieving-Pain-in-America-A-Blueprint-for-Transforming-Prevention-Care-Education-Research.aspx

IOM Report: Living Well with Chronic Illness: A Call for Public Health Action - http://www.iom.edu/Reports/2012/Living-Well-with-Chronic-Illness.aspx

IOM Report: Capturing Social and Behavioral Domains and Measures in Electronic Health Records

- http://iom.nationalacademies.org/Reports/2014/EHRdomains2.aspx
- IOM Report: New Directions in Child Abuse and Neglect Research http://www.iom.edu/Reports/2013/New-Directions-in-Child-Abuse-and-Neglect-Research.aspx

Public Health

Adverse Childhood Experiences (ACE) Study
http://acestudy.org/
http://www.cdc.gov/ace/
http://www.acestudy.org/files/Gold into Lead- Germany1-02 c Graphs.pdf
Summary of ACEs TED Talk
http://www.ted.com/talks/nadine burke harris how childhood trauma affects health across a lifetime

Vince Felitti: Review of ACEs data - excellent review of data, 90 min https://www.youtube.com/watch?v=Me07G3Erbw8

ACEs Handout
http://www.preventionlane.org/wp-content/uploads/2015/01/ACES handout-for-parents.pdf
NPR All Things Considered Series: What Shapes Health?
http://www.npr.org/series/389312217/what-shapes-health

## Education

- Overview of Adult Learning
- http://ed.ted.com/on/ZXsWtMMJ
- Drexel University Power Over Pain Educational Handouts for Patients with Chronic Pain
- bit.Iy/poweroverpain
- The Pain Survival Guide: How to Reclaim Your Life
- Dennis Turk, PhD and Frits Winter, PhD
- ISBN: 978-1-4338-0486-1


## Wellness

- WHO Activity Recommendations for Adults
- http://www.who.int/dietphysicalactivity/factsheet adults/en/

CDC Activity Recommendations for Adults

- https://www.cdc.gov/physicalactivity/basics/adults/

WHO Dietary Recommendations for Adults

- http://www.who.int/mediacentre/factsheets/fs394/en/

Harvard School of Public Health Nutrition Source

- https://www.hsph.harvard.edu/nutritionsource/healthy-eating-plate/


## Your Colleagues

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The International Association for the Study of Pain

- http://www.iasp-pain.org/

The American Chronic Pain Association

- http://www.theacpa.org/default.aspx

Association of Clinicians for the Underserved
http://clinicians.org/

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