

Progress towards understanding the impact policies have on scaling-up the social work workforce and mitigating harm

Cole Hooley, PhD, LCSW Katherine Marçal, PHD, MSW

### Objectives

- 1. Participants will be able to explain how system dynamics can be used to study the effects of regulation on the social work workforce.
- 2. Participants will be able to describe the effects of at least two regulation scenarios on the size of the social work workforce and the safety of services.

### Road map



Who are we?

What motivates our work?

What is the context of this project?

What did we learn?



### Who are we?

### Who are we?





Cole Hooley, PhD, LCSW





Katherine Marçal, PhD, MSW



### Conflicts of Interest



### **Funding:**

**Grant from ASWB** 

#### **Cole Hooley:**

Committee member (ASWB exams)

Consultant (Office of Professional Licensure Review)

#### **Katherine Marçal**:

None



### What motivates our work?

# The challenge



A lot of unmet mental health needs

### The mission



The best care, for all in need

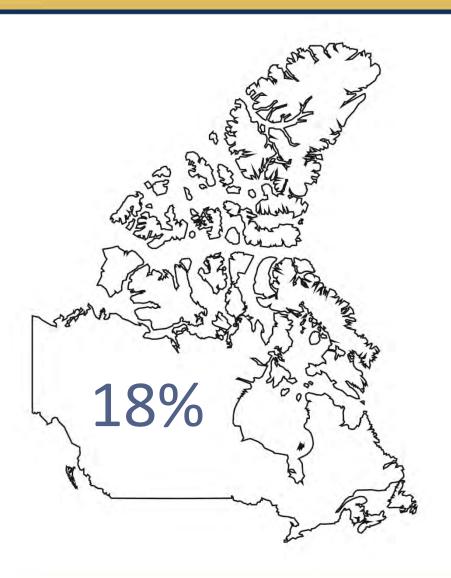
# Program of research

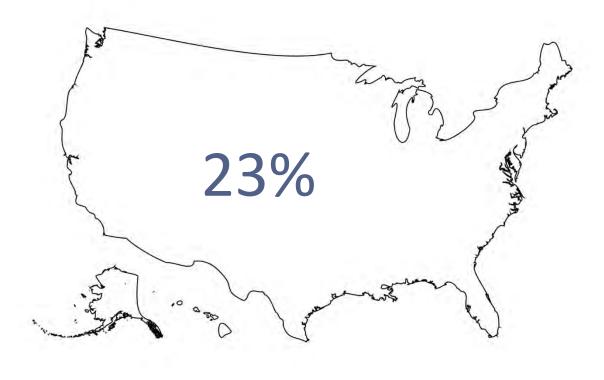


How do we get what works to everyone who needs it rapidly, lastingly, and equitably?

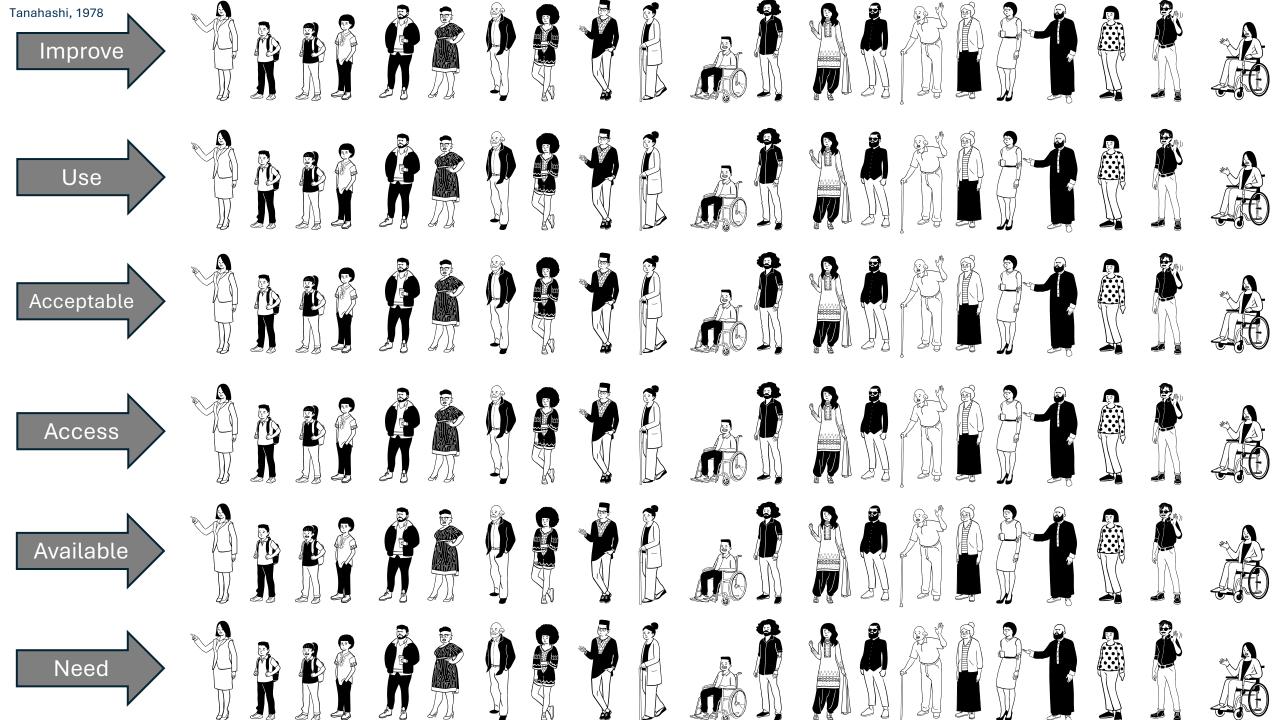
# Widespread mental health needs

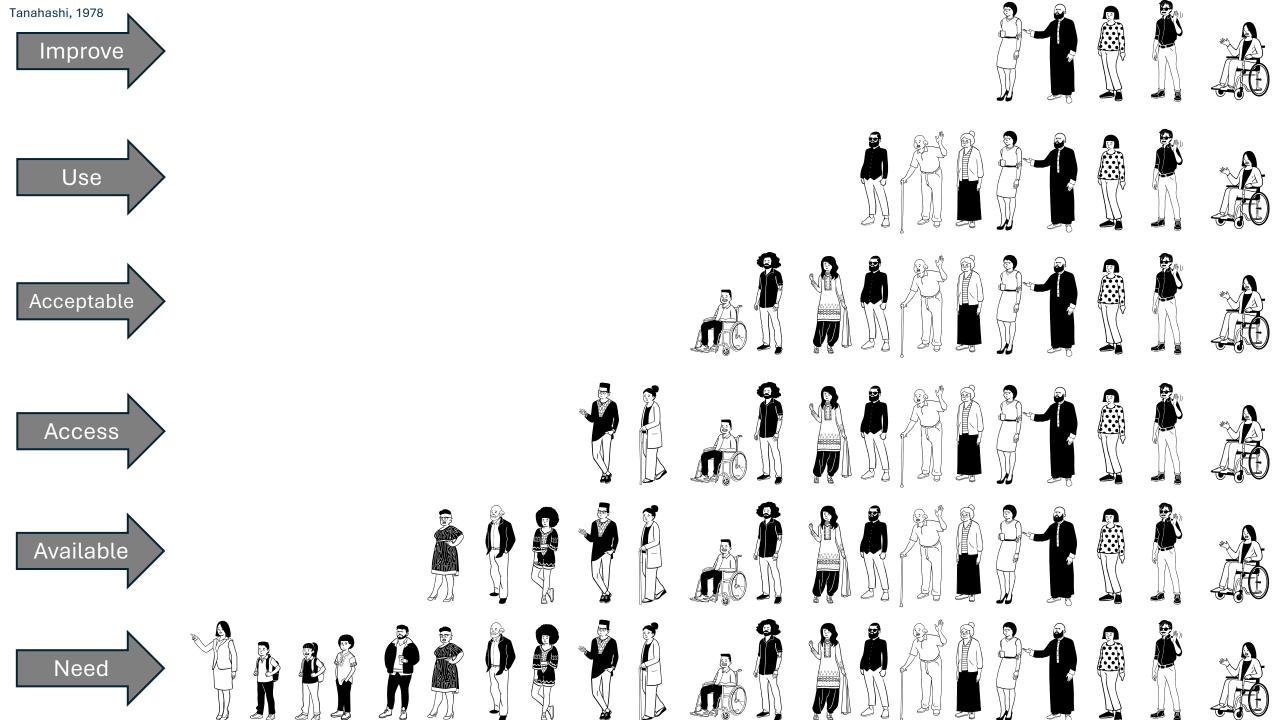


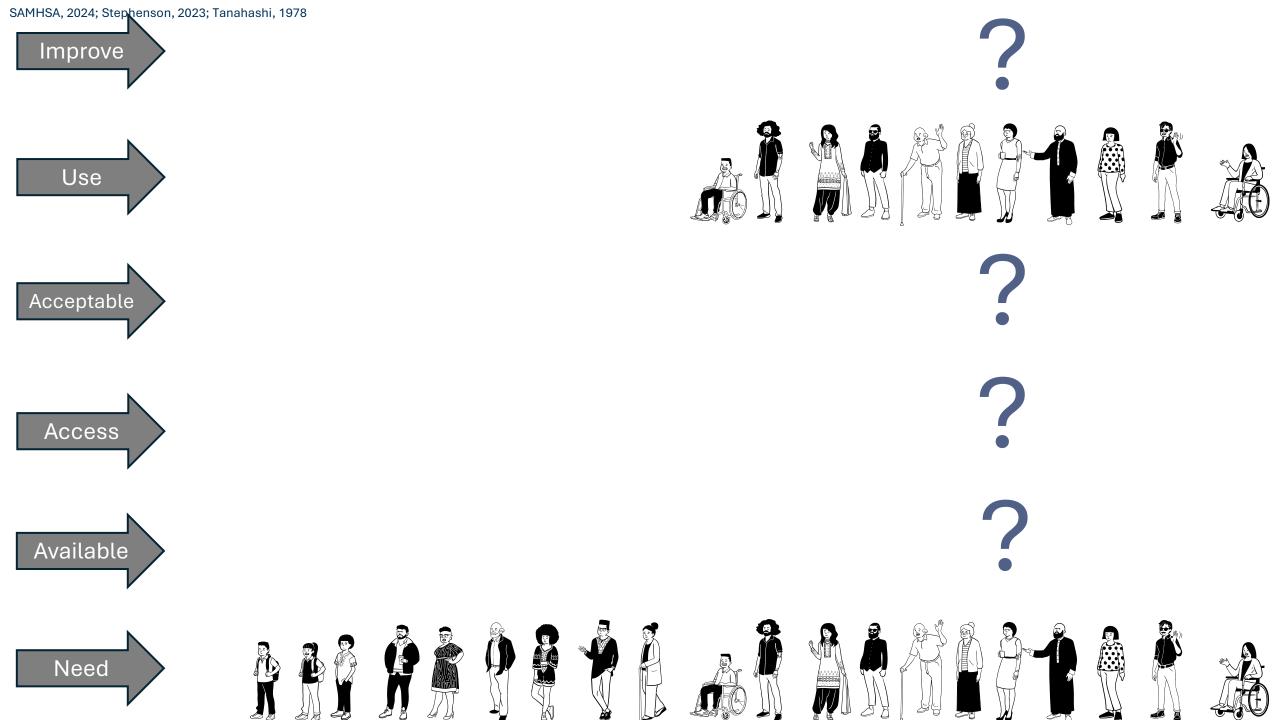












# Leaks and the role of regulation

**Available** 



## What is the context of this projects?

### Adults with any mental illness



Rank	State	%	#
27	Kansas	24.41	532,000
28	Indiana	24.44	1,260,000
29	Ohio	24.52	2,214,000
30	Nevada	24.65	600,000
31	Rhode Island	24.67	216,000
32	Minnesota	24.74	1,077,000
33	South Dakota	24.89	166,000
34	Alaska	24.96	132,000
35	Tennessee	25.47	1,370,000
36	New Mexico	25.67	414,000
37	Nebraska	25.71	376,000
38	Oklahoma	25.88	768,000
39	North Dakota	25.95	150,000
40	West Virginia	26.28	367,000
41	Colorado	26.30	1,186,000
42	Missouri	26.50	1,248,000
43	District of Columbia	26.63	143,000
44	lowa	26.71	649,000
45	Vermont	26.80	141,000
46	Montana	27.12	234,000
47	Washington	27.14	1,629,000
48	Wyoming	27.44	121,000
49	Oregon	27.48	922,000
50	Idaho	28.02	402,000
51	Utah	29.19	700,000
	National	23.08	58,867,000



# Adults with serious thoughts of suicide



Rank	State	%	#
27	Illinois	5.26	511,000
28	Kansas	5.31	116,000
29	Vermont	5.35	28,000
30	Kentucky	5.41	185,000
31	Michigan	5.42	424,000
32	Alabama	5.44	210,000
33	Oklahoma	5.47	162,000
34	Alaska	5.47	29,000
35	Louisiana	5.51	190,000
36	lowa	5.51	134,000
37	Washington	5.51	331,000
38	New Mexico	5.55	90,000
39	Indiana	5.56	287,000
40	South Dakota	5.59	37,000
41	Missouri	5.61	264,000
42	Oregon	5.61	188,000
43	North Dakota	5.68	33,000
44	West Virginia	5.71	80,000
45	Nevada	5.75	140,000
46	Wyoming	5.84	26,000
47	Colorado	5.91	266,000
48	Montana	6.02	52,000
49	Nebraska	6.15	90,000
50	Idaho	6.68	96,000
51	Utah	7.12	171,000
	National	5.04	12,860,000



# OFFICE OF PROFESSIONAL LICENSURE REVIEW



OPLR is a policy analysis group that supports legislators and executive branch agencies as they consider changes to licensing statutes and rules. For questions about your own occupational or professional license, please use the Consumer Guide below and contact the agency indicated.

### Utah Senate Bill 26



#### <u>Access</u>

#### New occupations:

- Behavioral health technician
- Behavioral health coach
- Master addiction counselor
- Advanced substance use disorder counselor
- Prescribing psychologist

Changed practice hours

Removed ASWB master's exam

ASWB clinical exam alternative

#### Quality

Limit on number of hours of group supervision

Require 25 hours of direct observation

Supervisor training and certification requirements

# Study questions



- 1. What are the long-term impacts of licensure changes on the size of the social work workforce?
- 2. What potential impact will these policies have on mitigating public harm?

# Systems thinking

A way of understanding how things change over time in complex systems.



**Events** 

Patterns of behaviors

System structure



# System thinking example



#### **Event (observation)**

Client wait time is 8 weeks



#### Pattern (trend over time)

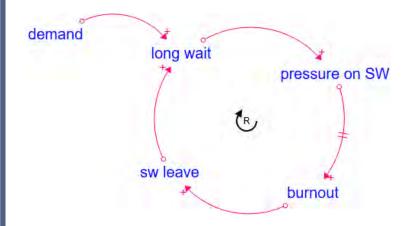
Wait time has recently spiked

#### Avg wait time in weeks



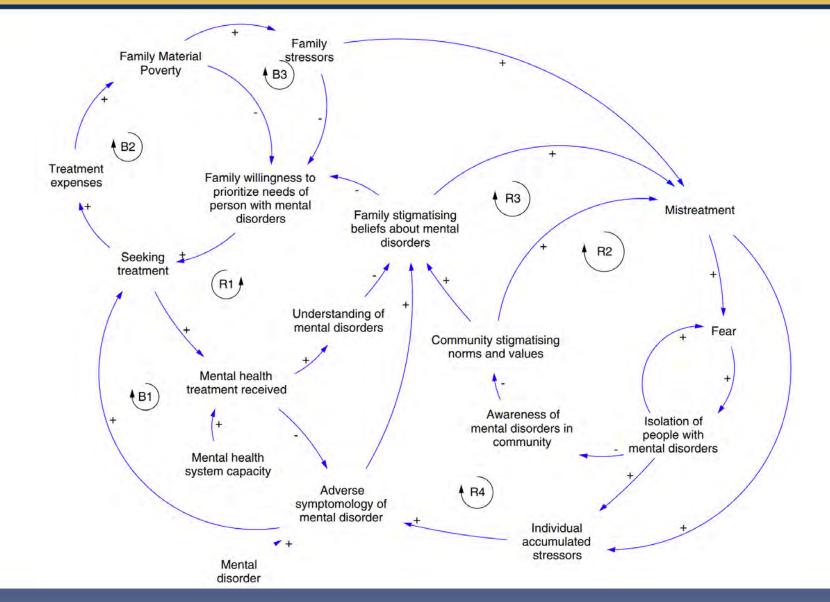
#### **System structure (root cause)**

Increased demand puts strain on workers



# Causal loop diagram applied

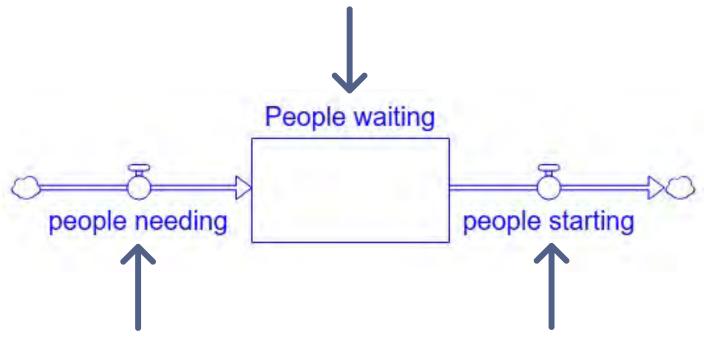




### Computer simulation basics



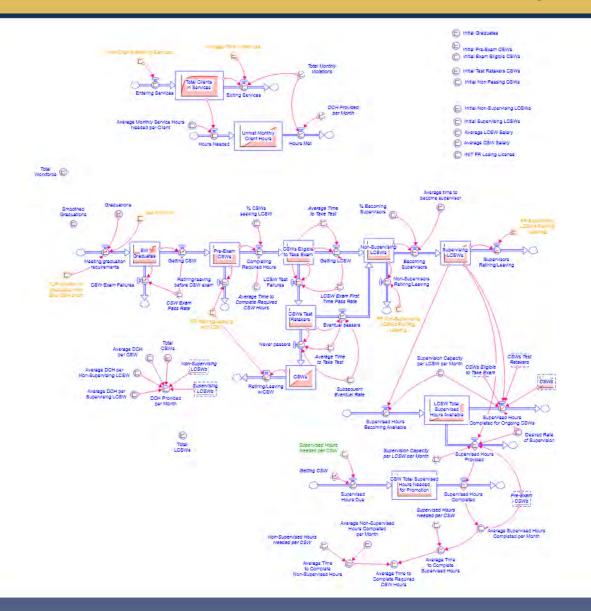
Stocks – things that accumulate or deplete (bathtub)



Flows – the rates that fill or drain the stocks (faucet and drain)



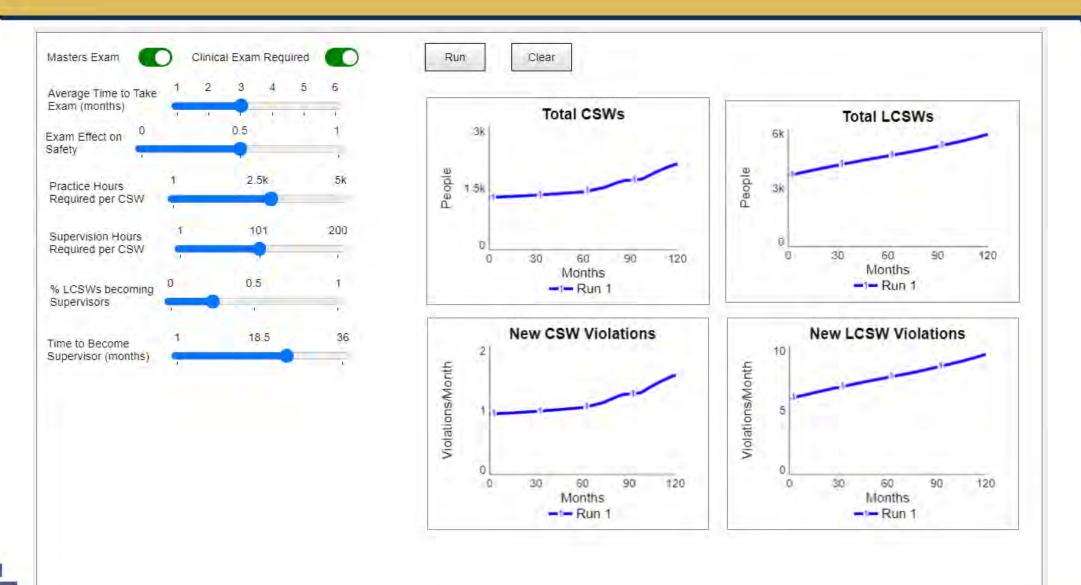
# Section of the model for this project



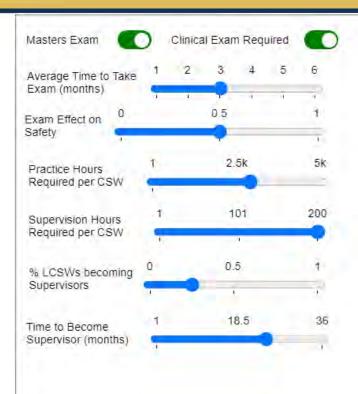
### Website tool



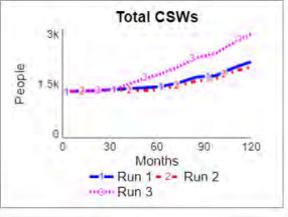
### Website tool

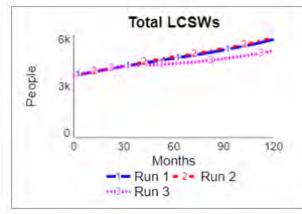


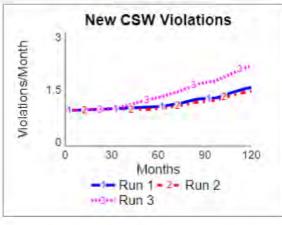
### Website tool















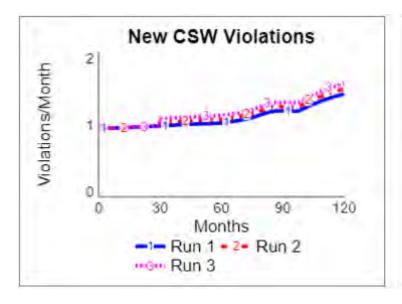
### What did we learn?

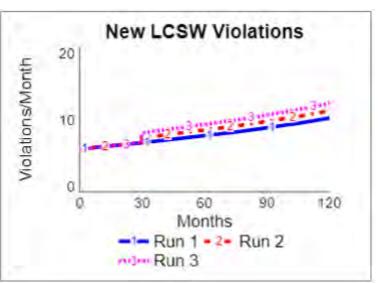
### Caveats



Model is currently calibrated with Utah data

•The effect of the exam on ethical violations is hypothetical. Because there is currently no empirical evidence to link passing the social work exam with ethical violations, we show a variety of scenarios. See example of no, medium, and large effect below.





# Base model assumptions unless otherwise noted

- 1. Master and clinical exam not required
- 2. Time to take exam 3 months
- 3. Exam effect on safety varies
- 4. Practice hours required 3,000 (2900 practice hours + 100 supervision hours)
- 5. LCSWs becoming supervisors 25%
- 6. Time to become a supervisor 2 years

### #1 – bolster data infrastructure

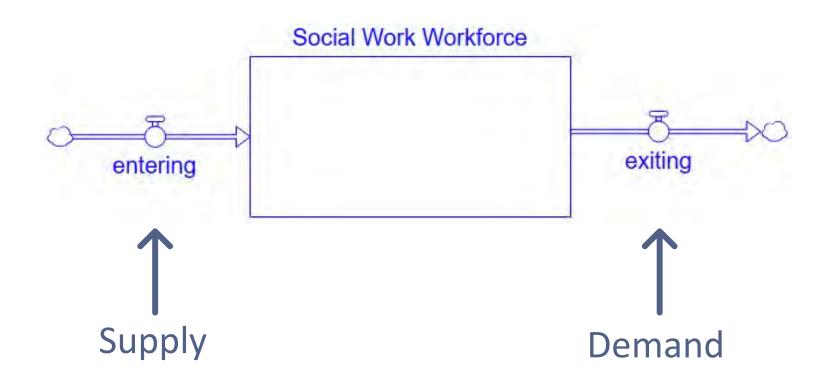
- More nuanced data infrastructure needed to assess feedback of policy changes
  - Dr. Kim National Workforce Data Collection System
  - Dr. Maxey & Dr. Woolf Cross Profession Minimum Data Set

Challenges using licensee count as a measure of availability

Challenges with ethical violation and harm data

### #2 – consider supply and retention changes





#### #3a – exam and workforce size

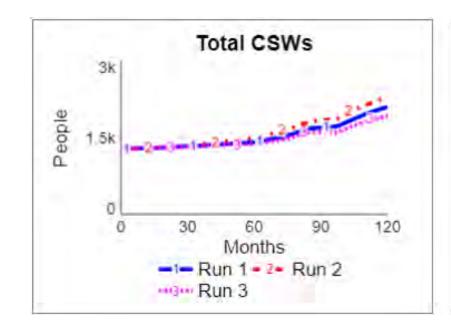


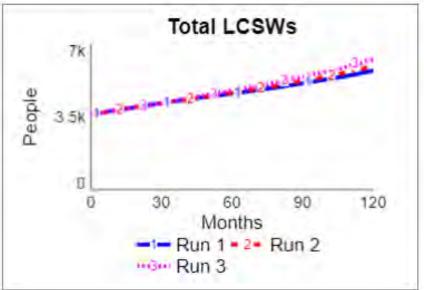
#### **Exam scenarios**

Run 1 = both exams

Run 2 = only clinical

Run 3 = neither exam





### #3b – exam and safety



Run 1 – both exams





### #3b – exam and safety

#### **Only clinical exam**

Run 1 = no

Run 2 = medium

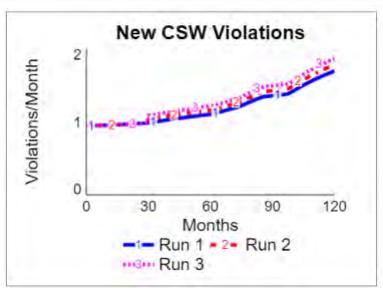
Run 3 = large

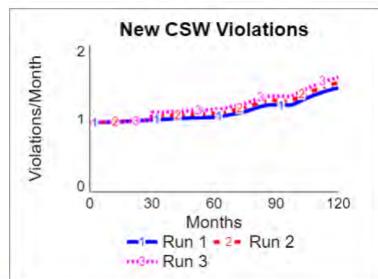
#### **Neither exam**

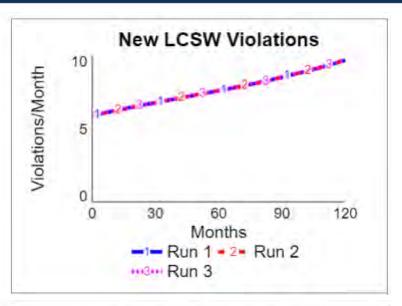
Run 1 = no

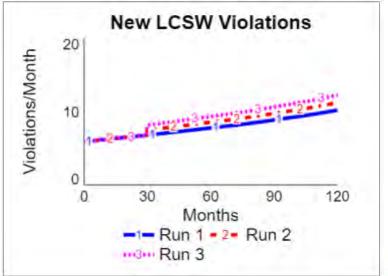
Run 2 = medium

Run 3 = large











### Exam take-aways

- A. Dropping the exams generates a net increase in workforce. The magnitude would vary depending on pass rates.
- B. Research is needed to determine the effect of testing on ethical violations.
- C. If there is any effect of testing on ethical violations, having the exams reduces the net number of ethical violations.
- D. Trade off between workforce size and ethical violations.

### #4a – experience and workforce size

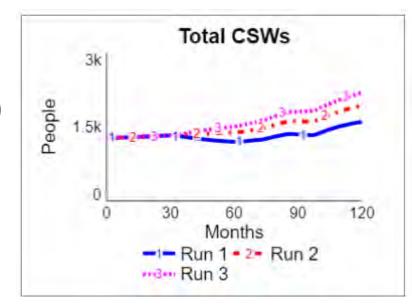


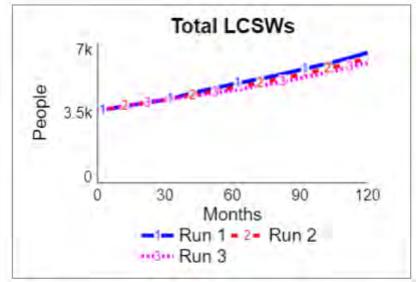
#### Work experience and supervision

Run 1 - 2k (1,025k hrs + 75 supervision)

Run 2 – 3k (2,900 hrs + 100 supervision)

Run 3 – 4k (3,875 hrs + 125 supervision





### #4b – experience and safety

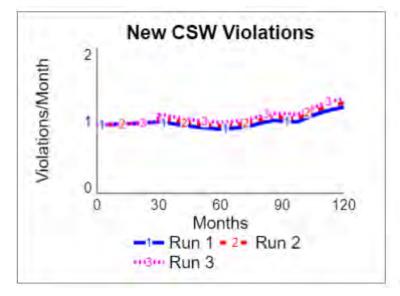


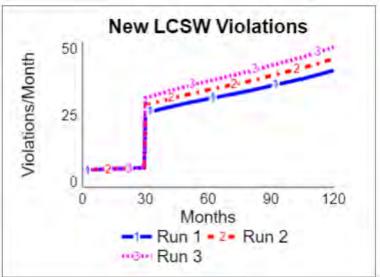
#### 2k hrs (1,025 + 75 supervision)

Run 1 = no

Run 2 = medium

Run 3 = large





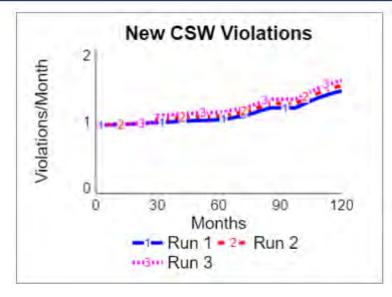
### #4b – experience and safety

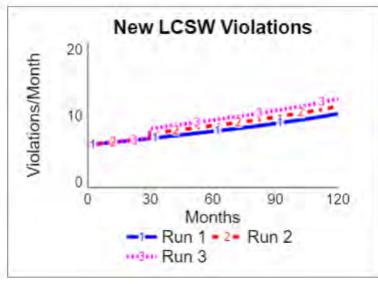
#### 3k hrs (2,900 + 100 supervision)

Run 1 = no

Run 2 = medium

Run 3 = large



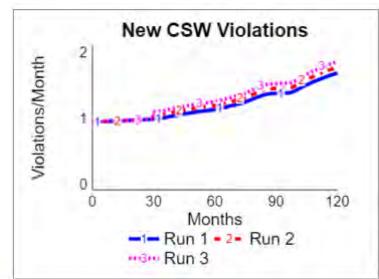


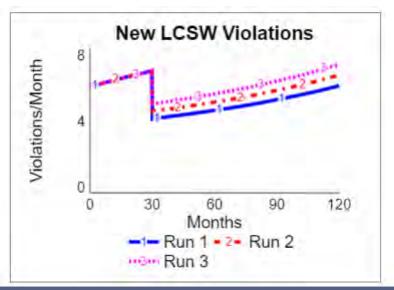
#### 4k hrs (3,875+ 125 supervision)

Run 1 = no

Run 2 = medium

Run 3 = large





### Experience take-aways

- A. Experience hours and supervision hours are intertwined
- B. Increasing/reducing hours has different effects on the size CSW/LCSW stocks. Overall, the net total of workers increases with larger experience requirements.
- C. Overall, increasing the required experience/supervision decreases ethical violations



## #5a – supervisor requirements and workforce size

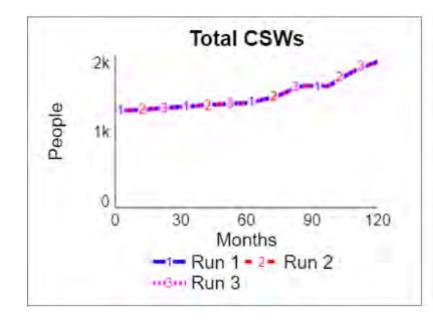


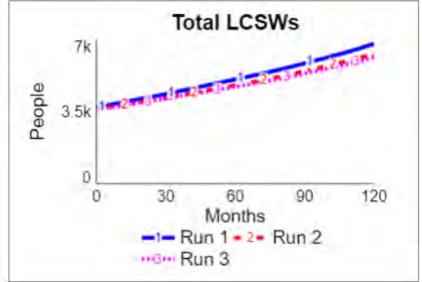
#### Time to become a supervisor

Run 1-1 month

Run 2 - 18 months

Run 3 - 36 months







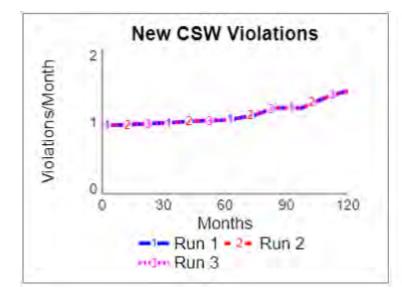


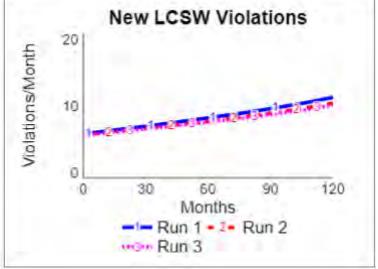
#### No effect of test on ethical violation

Run 1 - 1 mth to become supervisor

Run 2 – 18 mths to become supervisor

Run 3 – 36 mths to become supervisor





### #5b – supervisor requirements and safety

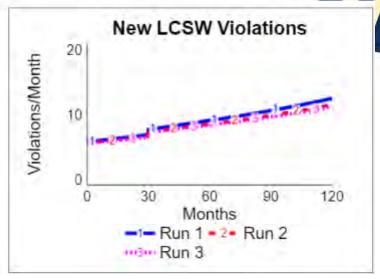
#### **Medium effect of test on ethical violations**

Run 1 - 1 mth to become supervisor

Run 2 – 18 mths to become supervisor

Run 3 – 36 mths to become supervisor



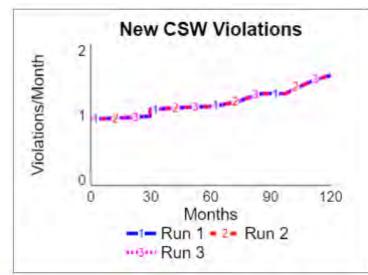


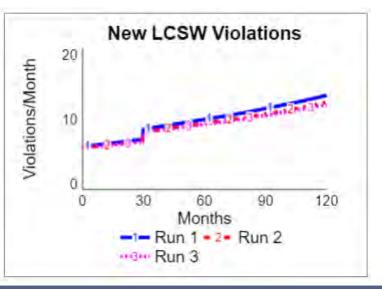
#### **Large effect of test on ethical violations**

Run 1 - 1 mth to become supervisor

Run 2 – 18 mths to become supervisor

Run 3 – 36 mths to become supervisor





### Supervision take-aways

- A. The shorter time to become a supervisor, the larger the overall workforce.
- B. The longer time to become a supervisor, the fewer ethical violations.



### Take-aways summary

- We need a more robust data infrastructure
- 2. Supply and retention need to be addresses to increase the workforce
- 3. Exam
  - A. Dropping the exams generates a net increase in workforce. The magnitude would vary depending on pass rates.
  - B. Research is needed to determine the effect of testing on ethical violations.
  - C. If there is any effect of testing on ethical violations, having the exams reduces the net number of ethical violations.
  - D. Trade off between workforce size and ethical violations.
- 4. Experience
  - A. Experience hours and supervision hours are intertwined.
  - B. Increasing/reducing has different effects on the size CSW/LCSW stocks. Overall, the net total of workers increases with larger experience requirements.
  - C. Overall, increasing the required experience/supervision decreases ethical violations.
- 5. Time to become a supervisor
  - A. The shorter time to become a supervisor, the larger the overall workforce.
  - B. The longer time to become a supervisor, the fewer ethical violations.



### Objectives

- 1. Participants will be able to explain how system dynamics can be used to study the effects of regulation on the social work workforce.
- 2. Participants will be able to describe the effects of at least two regulation scenarios on the size of the social work workforce and the safety of services.





# E Thank you!

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