



## Periodic Review Behavioral Health: Summary for Business and Labor Interim Committee

November 15, 2023

# Behavioral Health: Licenses Under Review

## **Department of Commerce**

- Social Worker (~9,800 active licensees)
- Clinical Mental Health Counselor (2,900)
- Psychologist (1,300)
- Marriage & Family Therapist (1,500)
- Recreational Therapist (500)
- Behavior Analyst (800)
- Substance Use Disorder Counselor (500)
- Vocational Rehabilitation Counselor (200)
- State Certified Music Therapist (80)

## **Department of Health & Human Services**

- Certified Case Manager (1,000)
- Certified Peer Support Specialist (600)
- Child/Family Peer Support Specialist/ Family Resource Facilitator (25)
- Certified Crisis Worker (350)
- Behavioral Emergency Services Technician (0)
- Advanced Behavioral Emergency Services Technician (0)

2

# Why Review Behavioral Health?

Utah's high rates of BH disorders<sup>1,2</sup> have serious consequences

**3rd** Worst in Nation

- Adult Serious Mental Illness (SMI)
- Youth Severe Major Depressive Episodes





due to mental disorders in 2022<sup>4</sup>



lost to mental disorder disabilityadjusted life years (DALYs) in Utah in 2022<sup>5</sup>

1. 2021 National Survey on Drug Use and Health: Model-Based Prevalence Estimates 2. 2022 State of Mental Health in America 3. Chang, Hayes, Broadbent, Fernandes, Lee, Hotopf, & Stewart, 2010. 4,5. Estimates based on research and data drawn from GBD 2019 Mental Disorders Collaborators, 2022. Global, regional, and national burden of 12 mental disorders in 204 countries and territories, 1990–2019; PAHO, 2021 The Burden of Mental Disorders - PAHO/WHO | Pan American Health Organization.

# Utah Has an Access Problem

## Utahns **receiving** behavioral health care

~530k

Utahns with an **unmet need** for behavioral health care

~210k-515k

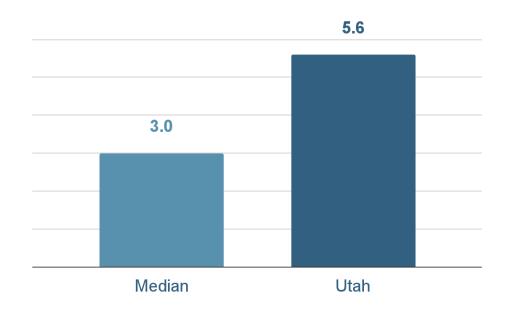
Even among those children in Utah who do access care, **40% of parents report that it is difficult or impossible** to obtain this care for their children. From 2020-2021, **58% of children** aged 3-17 in Utah with a clinically diagnosed mental or behavioral health condition **did not receive treatment** or counseling.

## ~750K-1 million Utahns need access to behavioral health care

5

# Utah Has a Safety Problem

## Annual<sup>1</sup> NPDB Reports Per 1,000 BH Providers (2015-2022)



Utah ranks far above the median number of NPDB reports<sup>3</sup> per behavioral health licensee<sup>4</sup> in the US, at **12**<sup>th</sup> of 51 states.



- The National Practitioner Data Bank (NPDB) tracks **adverse actions**<sup>2</sup> (e.g., loss of license) and **medical malpractice payments** for BH
- **44.4%** of Utah BH practitioners with an NPDB report will offend again, which is very high relative to the US median (25%).
- Utah ranks #4 among US states for highest proportion of repeat offenders among BH practitioners with at least one NPDB report.

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# Recommendations Address Both Access & Safety





## Increase Access to BH Care

Utahns with an unmet need for behavioral health care<sup>1</sup>:

~210,000 with a perceived unmet need

~515,000 with clinical unmet need

Increase Safety of BH Care

of ~16,600 active licensees in behavioral health<sup>2</sup>:

~300 receive a complaint via DOPL annually

- ~100 receive 'substantiated' complaints
- ~30 receive 'serious' dispositions (e.g., license revocation) as a result<sup>3</sup>

All data drawn from 1) the 2020-2021 National Survey of Children's Health and 2) the 2018-2019 National Survey on Drug Use and Health. For detailed calculations and limitations, see Appendix.
 Total DOPL licensed practitioners in the occupations under review for 2023. 3. DOPL complaint and investigation data, 2023

# **Recommendation Summary**



## **Train Smarter, Not Harder**



**Expand Pathways & Portability** 

- Supervision Hours
- Supervision Quality
- Continuing Education
- Exam Alternatives
- Interstate Compacts



**Strengthen Upstream Monitoring** 

- Proactive Measures
- UPHP Expansion



**Streamline Governance Structure** 

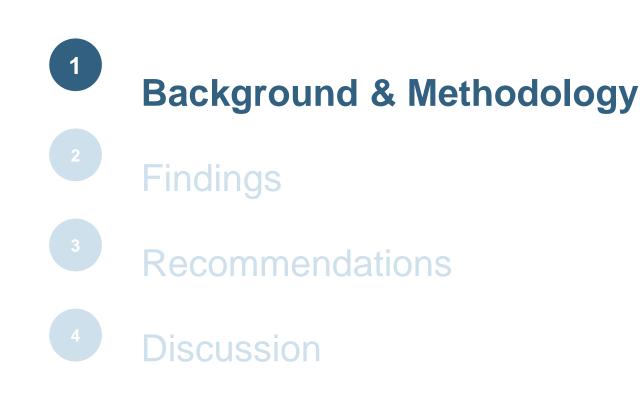
Multi-Profession Board



**Fill Gaps in Career Ladders & Care** 

- Extender Roles
- Addiction Counseling
- Psychology Rx

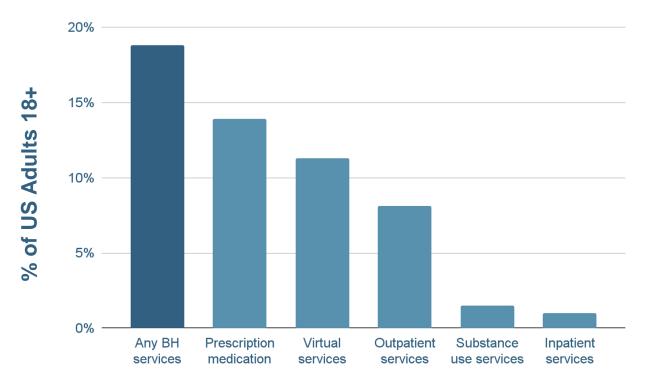
# Agenda







# Behavioral Health: Overview



## BH Services Received (2021)<sup>1</sup>

Behavioral Health (BH)<sup>2</sup>
 Encompasses mental health & substance use disorders

#### • Common Disorders<sup>3</sup>

Anxiety, depression, bipolar, post-traumatic stress, schizophrenia, eating disorders, disruptive behaviors & dissocial disorders, neurodevelopmental disorders, & substance use disorders (e.g., alcohol, opioid)

#### Common Treatments<sup>4</sup>

Psychotherapy, psychotropic medication, psychosocial support services – e.g., therapy, case management

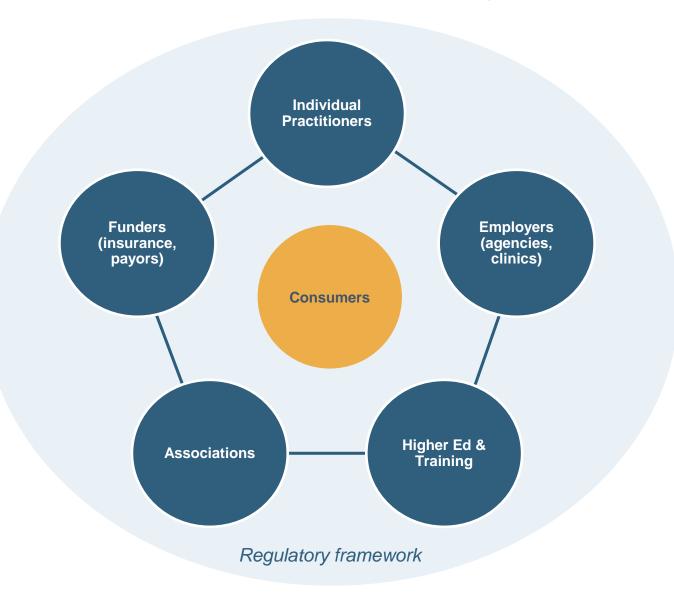
#### • Treatment Settings<sup>5</sup>

Outpatient, inpatient, and informal – e.g., clinics, hospitals, residential programs, support groups

In the U.S., the most commonly used form of treatment for BH is prescription medication. These medications are most often prescribed by a primary care provider without specialized training in BH.<sup>6-9</sup>

1. Center for Behavioral Health Statistics and Quality, 2022. 2. BHI Collaborative, 2021 3. World Health Organization, 2022 4. National Alliance on Mental Illness, 2020 5. Center for Behavioral Health Statistics and Quality, 2022 6. Jetty, Petterson, Westfall, & Jabbarpour, 2021 7. Mark, Levit, & Buck, 2009 8. DeLeon & Wiggins, 1996 9. Beardsley, 1988

# Behavioral Health: System Overview



- The behavioral health (BH) system has **multiple actors** working in coordination
- The BH system operates within a regulatory framework which includes **professional licensure**
- OPLR's objective is the 'health, safety, [and] financial welfare of the public'<sup>1</sup>
- OPLR balances input from all actors in the system...but we preference the needs of the Utah public

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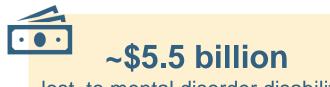
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# **OPLR Statutory Mandate & Research Questions**

Utah Code 13-1b review criteria...

- Supply of qualified BH practitioners
- Unnecessary barriers to entry
- Portability & alternative paths to licensure

- Need for regulation to reduce risk of harm
- Severity, probability, permanence of harm
- What policies best prevent & reduce harm

# Does Utah regulation provide sufficient access to behavioral health care?<sup>1</sup>

Access refers to whether people receive the care they need, based on its availability, affordability, accessibility, acceptability, and adequacy, and their awareness of options for their care.<sup>2-6</sup>

# Does Utah regulation provide sufficient safety in behavioral health care?



Safety reflects the incidence of adverse events, and refers to the extent to which receiving care exposes consumers to risks of harm to their health, safety, and/or financial welfare.<sup>7-14</sup>

1. <u>Utah Code Section 13-1b</u>; 2. Penchansky & Thomas, 1981; 3. Saurman, 2016; 4. Andersen & Aday, 1978; 5. Andersen & Davidson, 2007; 6. McLaughlin & Wyszewianski, 2002; 7. Mental Health Patient Safety: A Rapid Literature Review, 2019; 8. Averill, Vincent, Reen, Henderson, & Sevdalis, 2023; 9. Berzins, Baker, Brown, & Lawton, 2018; 10. Brickell, Nicholls, Procyshyn, McLean, Dempster, Lavoie, Sahlstrom, Tomita, & Wang, 2009; 11. Briner & Manser, 2013; 12. Cuomo, Koukouna, Macchiarini, & Fagiolini, 2021; 13. D'Lima, Crawford, Darzi, & Archer, 2017; 14. Quinlivan, Littlewood, Webb, & Kapur, 2020.

# Data & Methods

## Primary Data Collection

## **Behavioral Health Workforce Survey<sup>1</sup>**

- ~4,000 total respondents
- ~1,100 open-ended comments

## **Stakeholder Listening Tour**

Industry Focus Groups (10)

- o 68 total attendees
- o 90 minutes avg.

## Board Chair Interviews (8)

o 60 minutes avg.

Expert & Leader Interviews (150+)

## **Stakeholder Vetting Tour**

- 35 sessions w/200+ participants
- e.g., HMHI, USH, UHIA, LMHAs, IHC, DHHS, USHE, DOI

## Secondary Data Analyses

## Access to Care

- National Survey of Children's Health (NSCH)
- National Survey on Drug Use & Health (NSDUH)

## Safety of Care

- National Practitioner Data Bank (NPDB) adverse action & malpractice data
- Division of Professional Licensing (DOPL) data on complaints & dispositions

## Academic & Policy Review

## **Interstate Law Review**

 Policy data on 500+ BH license types across U.S. jurisdictions

## **Policy Landscape Review**

• Legislative history, international approaches, case studies

## **Literature Review**

- 800+ relevant resources
   (e.g., articles) identified
- Evidence on the impact of various regulations on consumer access & safety
- Research on behavioral health systems, workforce, & policies

# Agenda



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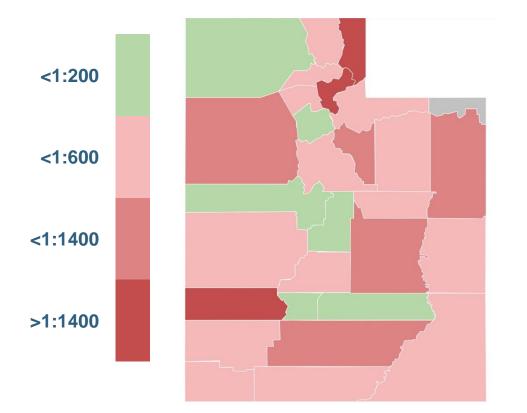
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# The Access Problem May Be Worse in Rural Utah

BH Provider to Population Ratios, by County<sup>1</sup> All BH Provider Types



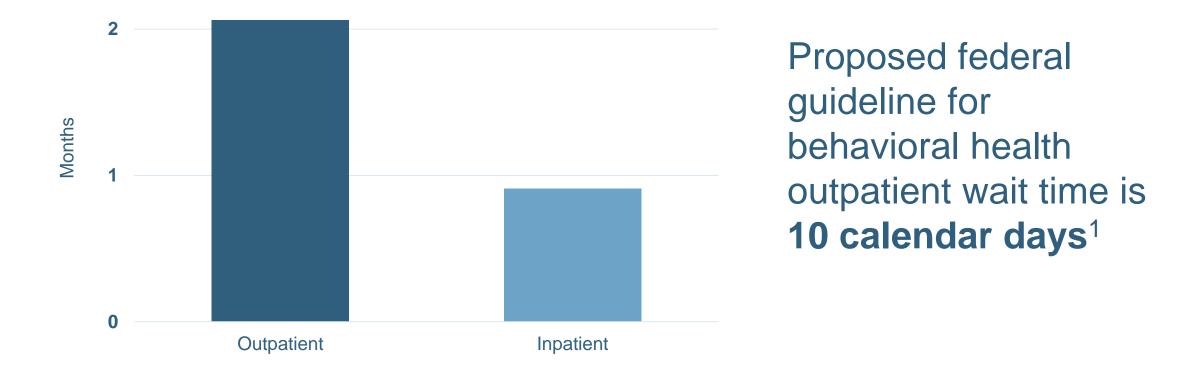
Rural counties struggle to attract & retain psychiatrists<sup>2</sup>

- All Utah counties with more than 600 residents per BH practitioner are rural
- Rich County and Morgan County have one provider for every 2,600 and 4,220 residents, respectively

1. County Health Rankings, University of Wisconsin Population Health Institute. Number of BH Providers drawn from NPI estimates for Psychiatrists, Psychologists, Licensed Clinical Social Workers, Counselors, Marriage & Family Therapists, Mental Health Providers that treat alcohol/drug abuse, Advanced Practice Nurses specializing in BH. 2. Behavioral Health Workforce Research Center, University of Michigan.

# Access is Poor for Outpatient BH Services

Weighted Average Wait Time by Setting Type (In Months)



Based on data from the Behavioral Health Workforce Survey, distributed by OPLR from Feb 27-Mar 6, 2023. 1. 2023 Draft Letter to Issuers in the Federally-facilitated Exchanges (CMS).

# **Unmet Need for Care Has Serious Consequences**

Impact on Human Life	<ul> <li>15-23K more adults (18+) in Utah will suffer from suicidal ideation in any given year because they have an unmet need for BH care.<sup>1,2</sup></li> <li>7-10K more youth (11-17) in Utah will suffer from suicidal ideation in any given year because they have an unmet need for BH care.<sup>1,3</sup></li> </ul>
Societal & Economic Consequences	<ul> <li>Unaddressed BH issues lead to 2-10x increase in burdens of healthcare &amp; criminal justice spending and decreased economic productivity.<sup>4</sup></li> <li>Utahns will earn \$2.8 billion less in any given year because they have an unmet need for BH care.<sup>5</sup></li> </ul>

# The access problem may be worsened by:



Workforce Capacity Constraints

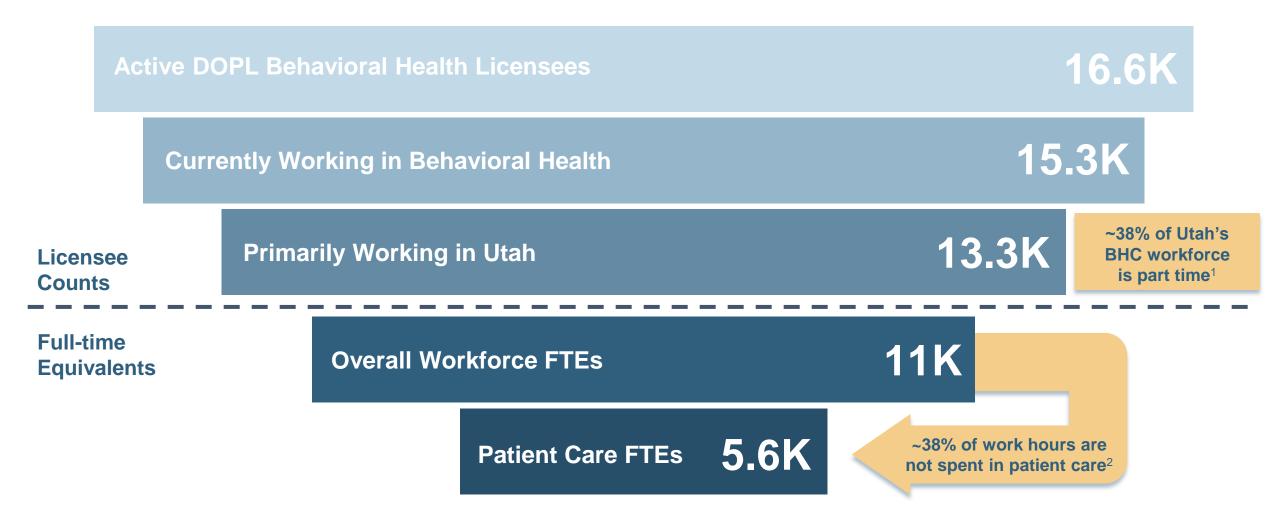


Shortage of BH Care Extenders



Misaligned Education & Career Paths

# Part-Time Work & Admin Tasks Limit Capacity



Source: Data drawn from OPLR's 2023 Behavioral Health Care Workforce Survey; OPLR Analysis. UMEC's Utah's Mental Health Workforce 2021 report estimates: 10.3K total licensees, 9K actively providing services in Utah, and 7.4K total hour FTEs. Differences in estimates are due to differences in the population sampled; OPLR includes licensees below master's level. Proportion of active licensees to overall workforce FTEs is consistent across both analyses, at 65.7% (OPLR) and 71.9% (UMEC). 1. 38% part time reflects those workforce working part time at their primary practice location. An additional 14% of respondents report working at a secondary practice location. 2. 38% patient care hours subtracts time of those in non-patient facing roles (e.g., administrators), as well as admin burden for those in direct patient care roles.

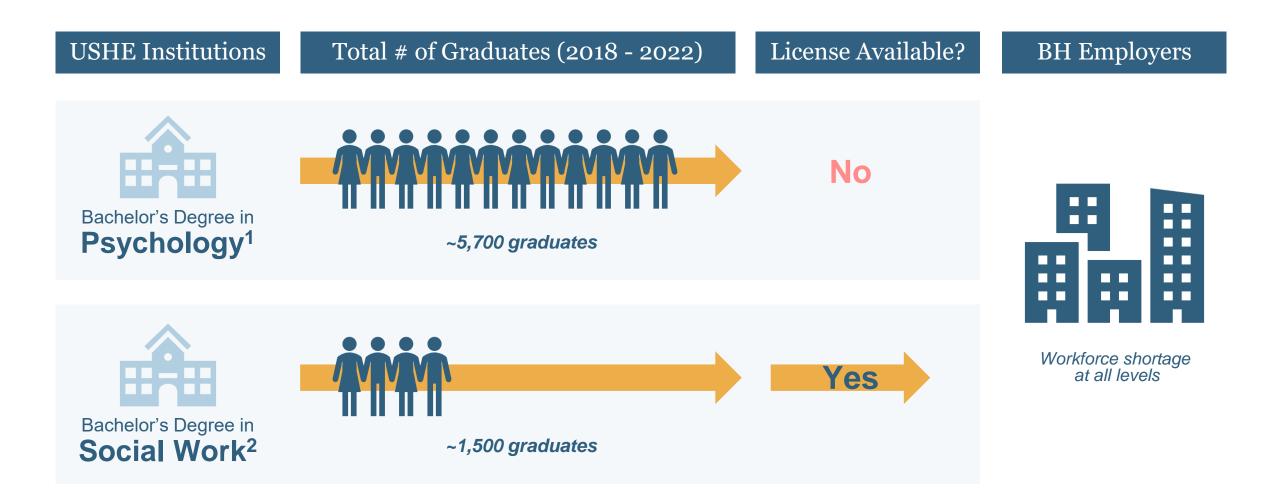
PRELIMINARY

# **Behavioral Health Care Lacks Extenders**

**Utah Behavioral Health Workforce Utah Medical Field Workforce** (% of Active Licensees) (% of Active Licensees) 73% Requires a Master's Degree 33% or Higher 27% Requires a Bachelor's Degree 67% or Lower

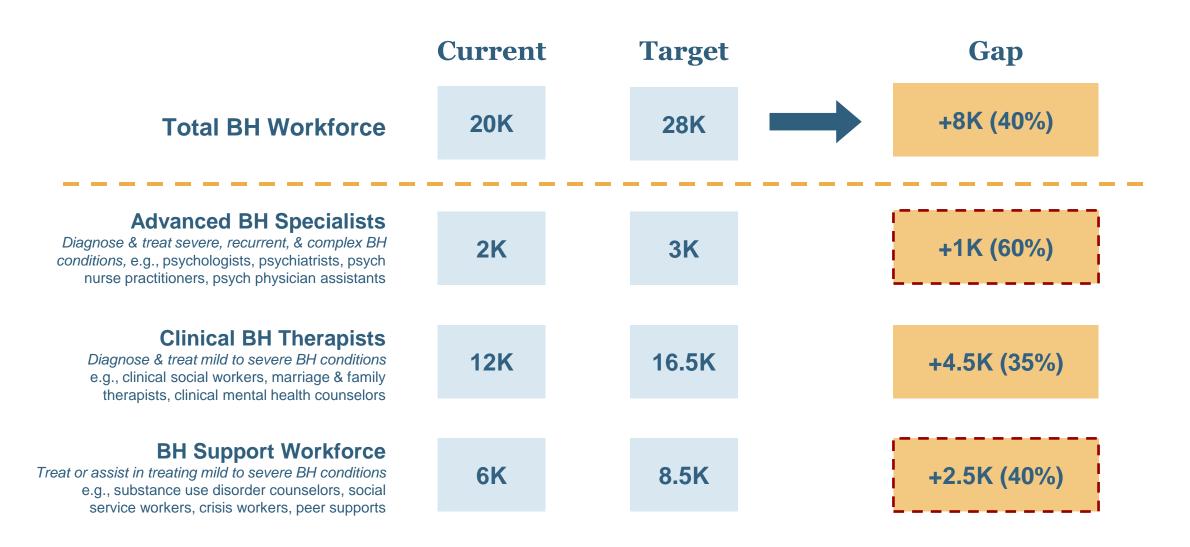
Source: DOPL licensee data obtained from DOPL MLO report "Active License Count," accessed 2/28/2023; data on DHHS licensees provided to OPLR by DHHS administrators in July, 2022. The figures presented do not reflect members of the workforce who hold a private certification (e.g., CNAs) or no certification (e.g., psych techs).

# Education & Career Paths Are Misaligned



Source: <u>USHE IPEDS Completions Survey</u>; Graduates from 5 year span of 2017-2018 to 2021-2022 academic years. 1. Psychology undergraduates can work under an Assistant Behavior Analyst, Music Therapist, Therapeutic Recreation Specialist, Certified Advanced Substance Use Disorder Counselor, or Social Service Worker license, but only with additional coursework (like any other undergraduate). In other words, a psychology undergraduate major provides students with no advantage in terms of licensure for any BH license in Utah. 2. Bachelors in Social Work corresponds to the Social Service Worker license.

# Utah Needs More Specialists & More Extenders



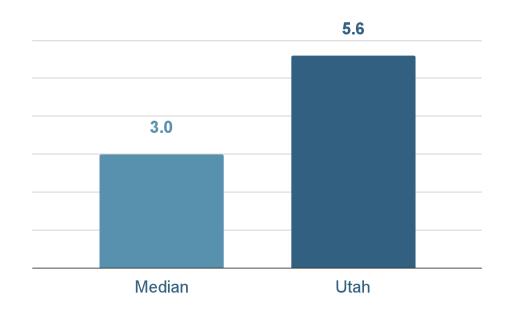
Values rounded to nearest 5% or to nearest 500. Target uses <u>IAPT</u> guideline of 10% advanced, 60% clinical, & 30% support. Workforce figures based on DOPL MLO report "Active License Count," accessed 2/28/2023; data on DHHS licensees provided to OPLR by DHHS administrators in July, 2022; data on advanced BH specialists from University of Michigan, Behavioral Health Workforce Research Center, 2018 – Mapping Supply of the U.S. Psychiatric Workforce; Unmet need figures based on <u>2020-2021 National Survey of Children's Health;</u> 2018-2019 National Survey on Drug Use and Health.

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# **Unsafe Care Has Serious Consequences**

Common **Substantiated Complaints** Against BH Practitioners



2

3

## **Boundary Violations**

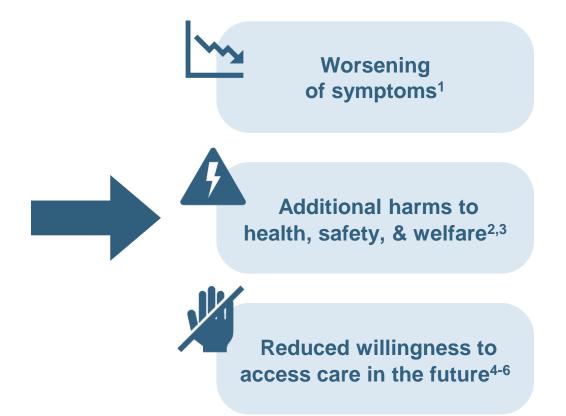
(e.g., sexual relationships, harassment, or assault)

**Billing Fraud** 

(e.g., billing for sessions that did not occur)

**Confidentiality & Other Violations** 

(e.g., failure to keep confidentiality; inappropriate involvement in custody proceedings)



# The safety problem may be worsened by:





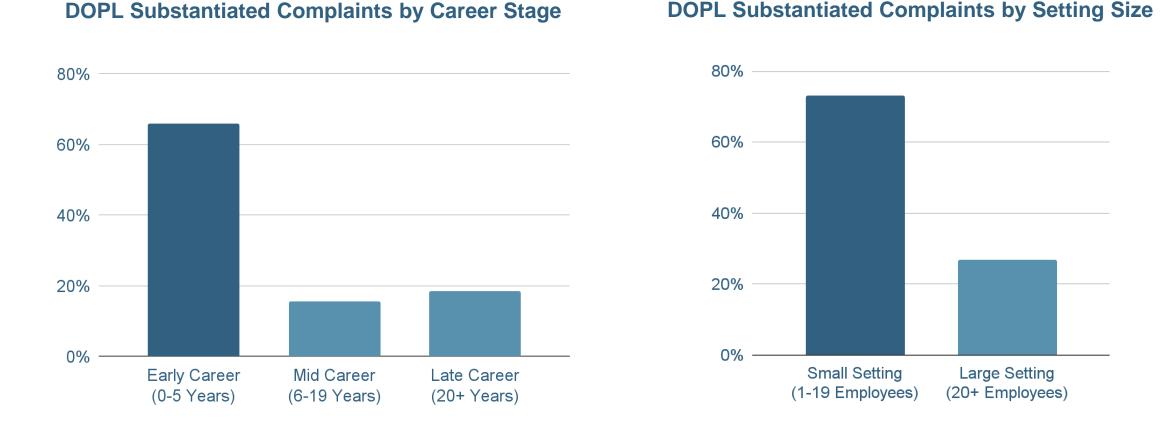
Inconsistent supervision & support for clinicians

Siloed data on safety/quality of care



Reactive rather than proactive monitoring

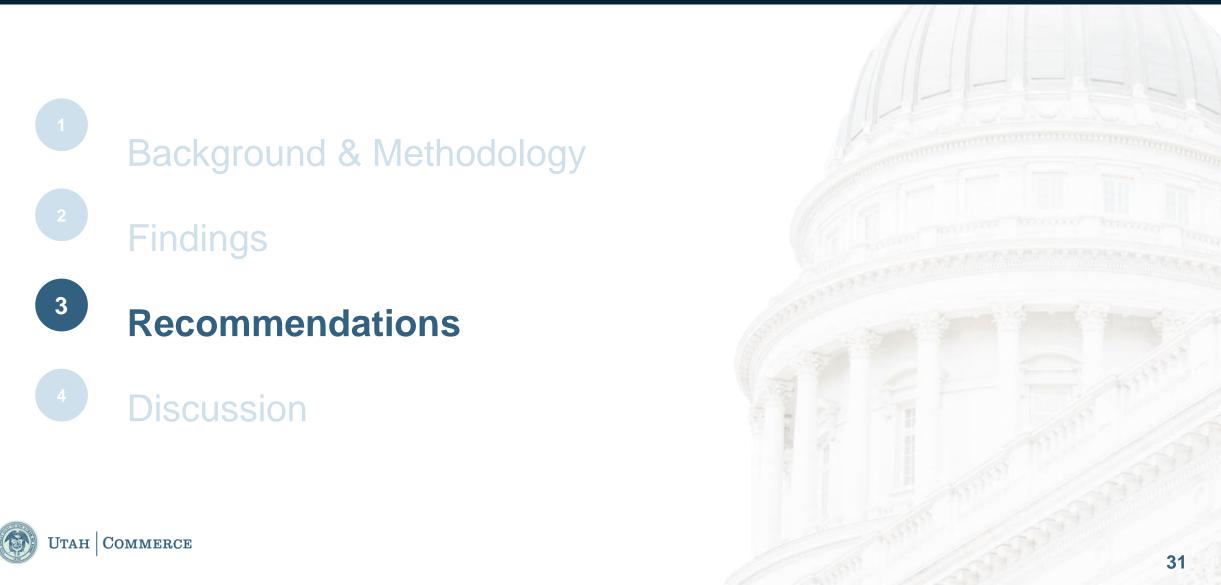
# Career Stage & Setting Are Linked to Safety Issues



Utah BH providers report that **supervised training** for early career providers **lacks consistency** and that many providers have **insufficient access to ongoing support** (e.g., via case consultation)

Based on a random sampling of 2018-2022 data from the Division of Professional Licensing, Utah Department of Commerce

# Agenda



# Recommendations Address Both Access & Safety





## Increase Access to BH Care

- Grow the Workforce
   More providers overall
- Optimize Providers' Time
   More time at highest and best use
- Meet High-Need Consumer Demand
   More specialists & extenders

## Increase Safety of BH Care

- Prevent Harm to Consumers More effective safeguards
- Detect Harm to Consumers
   More proactive monitoring methods
- Course Correct When Harm Occurs
   More coordinated oversight efforts

# **Recommendation Summary**



## **Train Smarter, Not Harder**



**Expand Pathways & Portability** 

- 5
- **Strengthen Upstream Monitoring**

**Streamline Governance Structure** 

- Supervision Hours
- Supervision Quality
- Continuing Education
- Exam Alternatives
- Interstate Compacts
- Addiction Counseling
- Proactive Measures
- UPHP Expansion
- Scopes & Authorization
- Multi-Profession Board



Fill Gaps in Career Ladders & Care

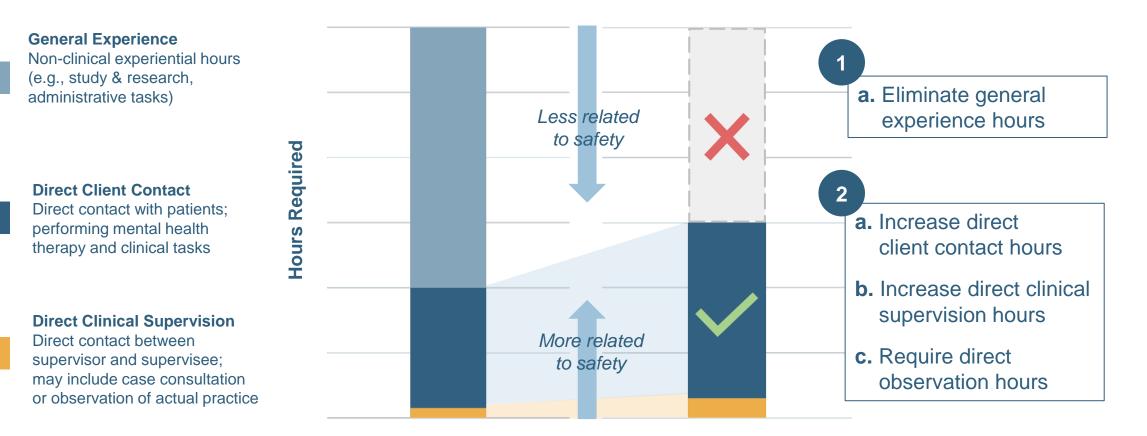
- Extender Roles
  - Psychology Rx

# Train Smarter, Not Harder – Supervision Hours\*

For master's-level clinical therapists:

Current

Future



# Train Smarter, Not Harder – Supervisor Reqs\*

For master's-level clinical therapists:



# Train Smarter, Not Harder – Continuing Ed



**Future** 



PRELIMINARY

# Expand Paths & Portability – Clinical Exams

For master's-level clinical therapists:

# In the workforce Education Exam Supervision MSW ASWB Standard degree Clinical hours Example pathway for Licensed Clinical Standard hours

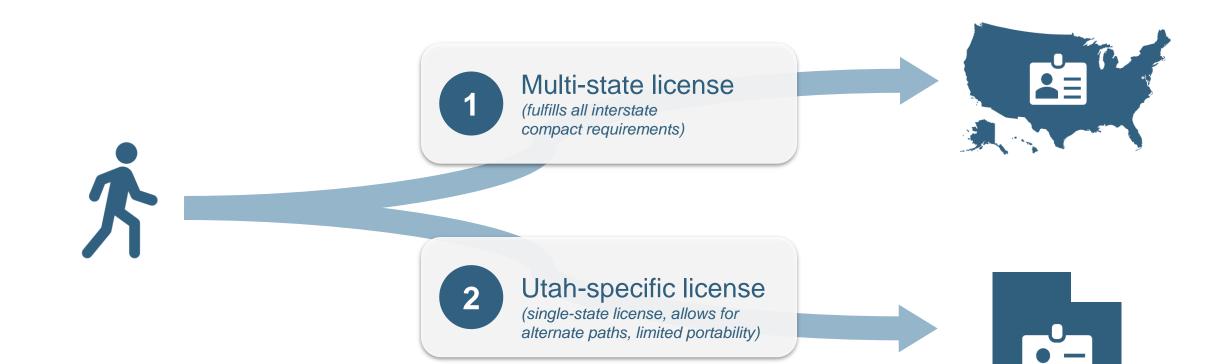
Current

#### In the workforce Exam **Supervision** Education MSW ASWB Standard Clinical degree hours Standard Fast-track/ ASWB Alternate pathways Clinical **Exec Ed MSW\*** hours MSW No exam **Added** degree required hours\*\*

**Future** 

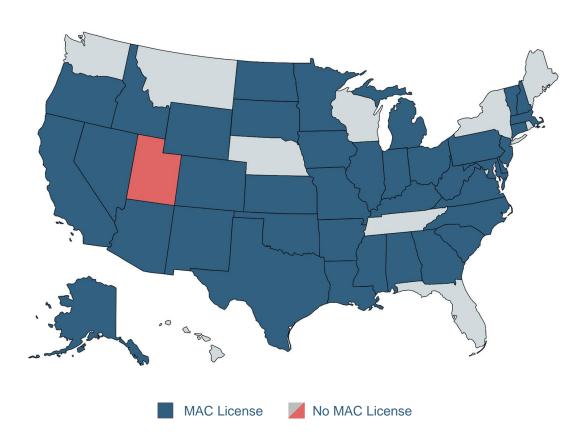
#### \*Exploring in conjunction with USHE/Talent Ready Utah \*\*See previous slides for other changes to supervision/clinical training requirements

# Expand Paths & Portability – Compacts



# Expand Paths & Portability – Addiction Specialty

Current

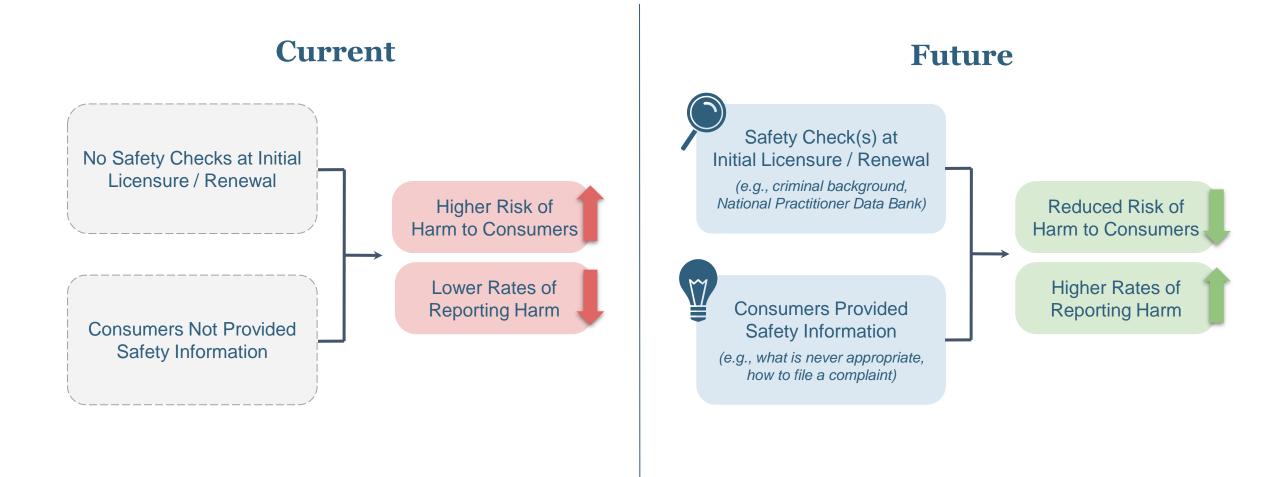


**Future** 



PRELIMINARY

# Strengthen Monitoring – Proactive Measures



# Strengthen Monitoring – UPHP Expansion

The Utah Professionals Health Program (UPHP) is an alternative to public disciplinary action for licensed professionals who have substance use disorders. It enables individuals to confidentially seek & receive help.

## Current

## **Professionals Served**

- Medical Professionals (80.5K)
- Dental Professional (7.5K)
- Veterinary Professionals (1.3K)

## **Not Served**

• BH Professionals (18.6K active licensees)

# ~89K professionals ~90 participants (current)

## Future

## **Professionals Served**

- Medical Professionals (80.5K)
- Dental Professional (7.5K)
- Veterinary Professionals (1.3K)

# +

Behavioral Health Professionals (18.6K)

~108K professionals ~110 participants (estimate)

# The Duties of DOPL Boards

Utah Code 58-1-201: "...the duties, functions, and responsibilities of each board include..." [selected]

#### • Recommending rules and statutory changes

- Recommending policy and budgetary matters
- ...may recommend to the appropriate legislative committee re: changes to a licensing act
- Assisting in establishing **standards of supervision** for students in training

# Licensing functions

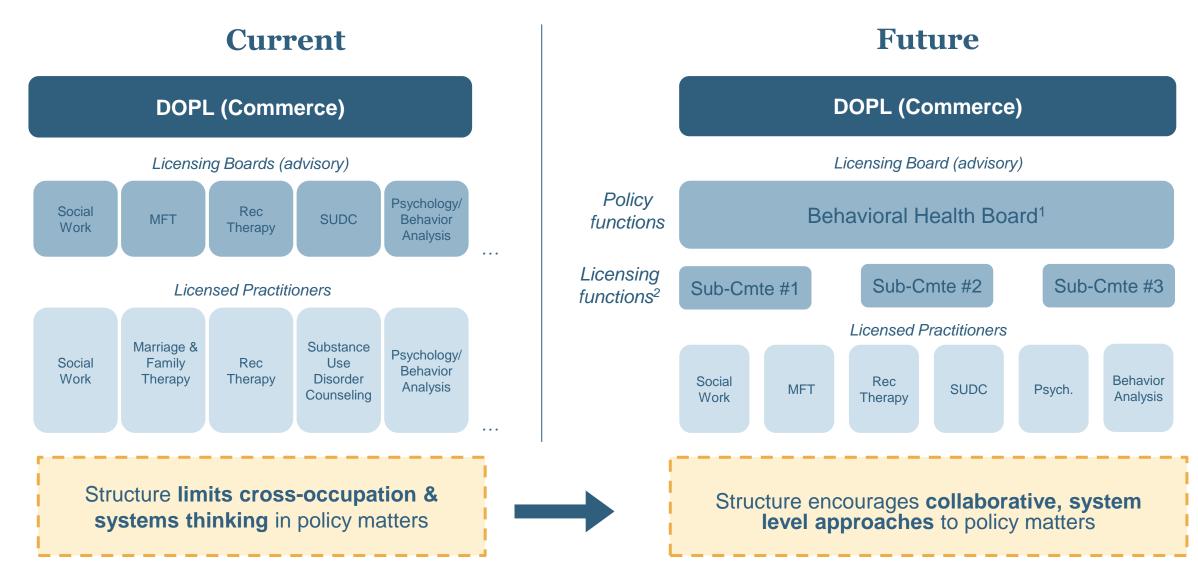
Policy functions

- Screening applicants & recommending licensing, renewal, reinstatement, & re-licensure actions
- ...acting as presiding officer in conducting hearings associated with adjudicative proceedings when so designated by the director.



The ideal board composition differs for **policy functions** versus **licensing administrative functions** 

# Streamline Governance – Multi-Profession Board



1 We also recommend expanding the expertise of the boards to include DHHS officials, population health experts, payors, employers, medical professionals, consumer advocates, and others to give a broad view of the behavioral health system; 2 Sub committees would execute licensing functions (like enforcement) with separate sub committees by scope of practice (e.g., clinical therapists, sub-clinical, etc...); committee composition TBD, but would be made up of primarily those licensed to perform the relevant scope of practice.

# **Streamline Governance – Scopes of Practice**



Profession-exclusive scopes create "barriers to interprofessional collaboration, practice, and respect."1

# Streamline Governance – Authorization Types



Higher-risk activities create **more opportunities for more serious harm**, and so should require a license. Lower-risk activities **still pose some risk of harm**, and so may be regulated via negative licensure.

# Fill Gaps in Careers & Care – Extender Roles

## Current

<b>Education</b>	<u>Psychology</u>	<u>Social</u> <u>Work</u>	Counseling <u>&amp; Therapy</u>	Substance Counseling
Doctorate + Supervision	Psychologist			
Masters + Supervision		LCSW	CMHC/ MFT	
Bachelors		SSW		Advanced SUDC
Associates	(	GAP		SUDC*
Stand-alone Academic Certificate (1yr)				
DHHS Certificate (1 week)	Case Manager, Crisis Worker			Peer Support

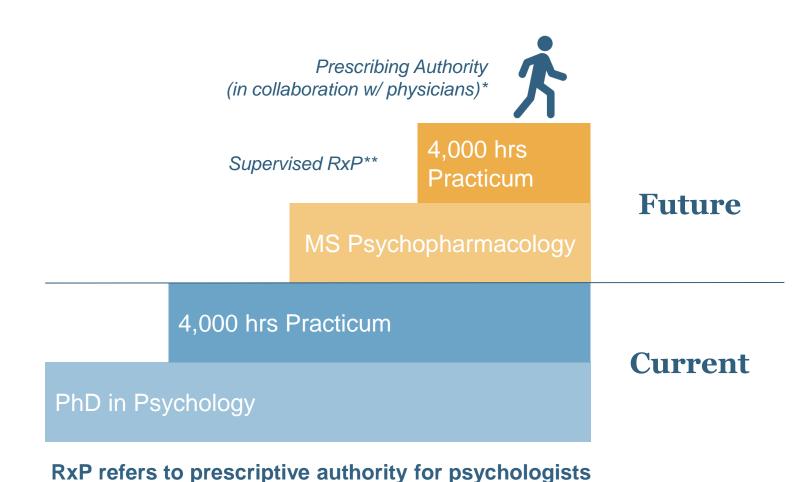
## **Future**

<b>Education</b>	<u>Psychology</u>	<u>Social</u> <u>Work</u>	Counseling <u>&amp; Therapy</u>	<u>Substance</u> Counseling	
Doctorate + Supervision	Psychologist				
Masters + Supervision		LCSW	CMHC/ MFT		
Bachelors	[Generalist Behavioral Health License]				
Associates	Behavioral Health Technician				
Stand-alone Academic Certificate (1yr)					
DHHS Certificate (1 week)	Case Manager, Crisis Worker			Peer Support	

**Clinical licenses** 

NEW sub-clinical licenses

# Fill Gaps in Careers & Care – RxP Specialty



- Prescribing psychologists receive 4x-6x more pharmacology training than physicians & psych APRNs<sup>1</sup>
- RxP legislation increases access to care, especially in rural areas<sup>2,3</sup>
- RxP legislation is associated with decreased suicide rates & deaths attributable to mental illness<sup>3,4</sup>
- RxP may be a cost-effective strategy for reducing suicide rates<sup>5</sup>
- From 2005-2021, prescribing psychologists had a slightly lower malpractice claim rate than psychiatrists—at 2.1% vs. 2.6%<sup>6</sup>

## \*RxP allows a limited formulary of medications relevant to BH disorders \*\*Under supervision of a physician (in most states). 1. Muse & McGrath, 2009 2. Shoulders & Plemmons, 2022 3. Nebraska Psychology Prescribing Technical Review Committee, 2017 3. Hughes, McGrath, & Thomas, 2023 4. Choudhury & Plemmons, 2023 5. Hughes, Phillips, McGrath, & Thomas, 2023 6. Curtis, Hoffman, & O'Leary Sloan, 2022

# **Recommendation Summary**



# **Train Smarter, Not Harder**



**Expand Pathways & Portability** 

- 5
- **Strengthen Upstream Monitoring**

**Streamline Governance Structure** 

- Supervision Hours
- Supervision Quality
- Continuing Education
- Exam Alternatives
- Interstate Compacts
- Addiction Counseling
- Proactive Measures
- UPHP Expansion
- Scopes & Authorization
- Multi-Profession Board



Fill Gaps in Career Ladders & Care

- Extender Roles
  - Psychology Rx

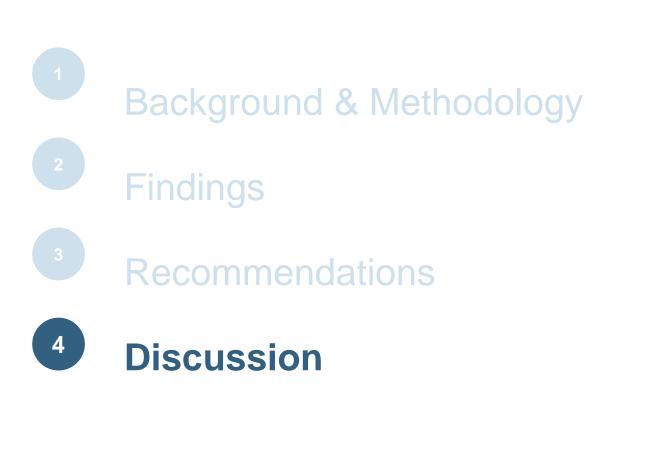
# Licensure is Only One Part of the Solution

Occupational regulation policy interacts with two other systems:



- Behavioral health (BH) educational pathways are underdeveloped at all levels
- Workforce shortages also relate to the **expense** of postsecondary training/education relative to compensation
- The market for BH services (most often covered by insurance) is highly regulated and constrained
- BH providers feel **reimbursement rates are low** and stagnant, and insurance may not reimburse **team-based approaches**

# Agenda





# Next Steps

1. Integrate feedback from Business & Labor

2. Circulate field-level report for stakeholder comment

3. Submit field-level report to Business & Labor

4. Circulate occupation-level reports for stakeholder comment

5. Submit occupation-level reports to Business & Labor

# Agencies Coordinating On System-Wide Solutions



## Commerce

- Fill gaps in entry-level licensing / certifications
- Expand **alternative pathways** and portability
- Strengthen & streamline
   supervision hour requirements
- Merge DOPL licensing boards



## **USHE & TRU**

- Create statewide 1- and 2- year BH educational programs
- Create clinical psychology track for undergrads
- Consider policies and targeted funds for growth of programs and to encourage BH workforce participation (programmatic growth and scholarships)



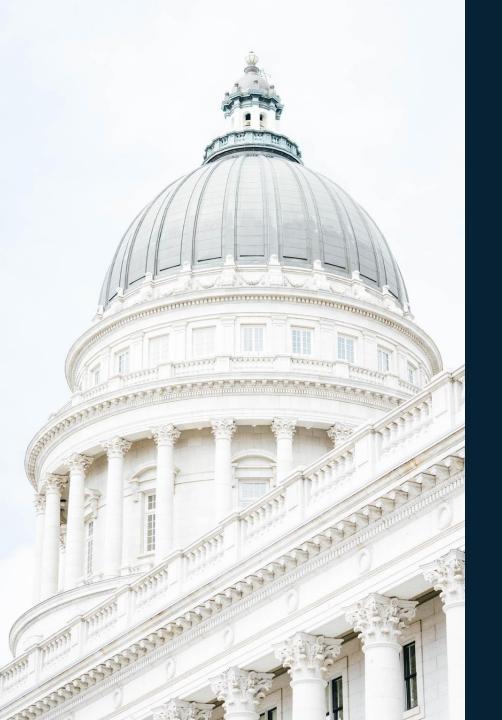
- Evaluate whether new Medicaid services are needed to match new proposed paraprofessional certifications
- Emphasize subclinical practitioners in public agency staffing (DCFS, LMHAs)
- Create inter-agency
   communication around facility
   licensing & DOPL licensing
- Seek ways to reduce practitioners' reporting and administrative burdens



### Insurance

- Convene private insurers, public payors, and other key stakeholders to identify & address root causes of access issues (e.g., paneling, credentialing, & reimbursement)
- Investigate and identify network adequacy requirements for behavioral health

GOAL: Aligned, inter-agency reform package





# Thank You

# Appendix

# **Relevant Statutes and Rules**

26B-5 Health Care - Substance Use and Mental Health 58-1 Division of Professional Licensing Act 58-4 Utah Professionals Health Program 58-60-40 Recreational Therapy Practice Act 58-60 Mental Health Professional Practice Act 58-60-1 General Provisions 58-60-2 Social Worker Licensing Act 58-60-3 Marriage and Family Therapist Licensing Act 58-60-4 Clinical Mental Health Counselor Licensing Act 58-60-5 Substance Use Disorder Counselor Licensing Act 58-60a Counseling Compact 58-61 Psychologist Licensing Act 58-60-78 Vocational Rehabilitation Counselors Licensing Act 58-60-84 State Certification of Music Therapists Act

R156-1 General Rule of the Division of Occupational and Professional Licensing
R156-4 Utah Professionals Health Program Rule
R156-40 Recreational Therapy Practice Act Rule
R156-60 Mental Health Professional Practice Act Rule
R156-61 Psychologist Licensing Act Rule
R156-61a Behavior Analyst Licensing Act Rule
R156-78 Vocational Rehabilitation Counselors Licensing Act Rule
R156-84 State Certification of Music Therapists Act Rule
R523 Human Services, Substance Abuse and Mental Health

# Methods Notes: Utah Has An Access Problem

- All data drawn from 1) the 2020-2021 National Survey of Children's Health and 2) the 2018-2019 National Survey on Drug Use and Health.
- Utahns Currently Receiving Care = Children Receiving Mental Health Treatment (78,949) + Children Receiving Substance Use Disorder Treatment at a Specialty Facility (1,000) + Adults Receiving Mental Health Treatment (436,000) + Adults Receiving Substance Use Disorder Treatment at a Specialty Facility (11,000) = 526,949
- Utahns With an Unmet Need for Care (Upper Bound) = Children with a Clinical Unmet Need for Mental Health Treatment (68,028) + Children with a Substance Use Disorder Not Receiving Treatment at a Specialty Facility (11,000) + Adults with a Clinical Unmet Need for Mental Health Treatment (300,698) + Adults with a Substance Use Disorder Not Receiving Treatment at a Specialty Facility (135,000) = 514,726
- Alternative Unmet Need Calculation (Lower Bound). An alternative way of calculating unmet need involves substituting perceived unmet need measures for clinical unmet need measures. Children with a Perceived Unmet Need for Mental Health Treatment (27,267) + Children with a Perceived Unmet Need for Substance Use Disorder Treatment (473) + Adults with a Perceived Unmet Need for Mental Health Treatment (172,000) + Adults with a Perceived Unmet Need for Substance Use Disorder Treatment (5,805) = 205,545
- **Limitations.** Because the available data is from 2020-2021 for children and from 2018-2019 for adults, because Utah has experienced substantial population growth during this period, and because the COVID-19 pandemic has increased the prevalence of behavioral health disorders, the figures presented likely represent an underestimate of the number of individuals who might benefit from access to behavioral health care services in the state of Utah. The original figures also do not attempt to control for the double counting of individuals with both substance use disorder <u>and</u> mental health treatment needs, and so may be an overestimate of the total number of individuals needing care.
  - Adjusting for population growth alone gives an estimate of 552K individuals currently receiving care, 540K with a clinical unmet need, and 216K with a perceived unmet need (or a total of ~768K to 1 million individuals needing care).
  - Using national comorbidity rates to reduce double counting produces estimates of 456K individuals currently receiving behavioral health care services, 446K with a clinical unmet need, and 178K with a perceived unmet need (or a total of ~634K to 902K individuals needing care).
  - Adjusting for both population growth and comorbidity of mental health disorders and substance use disorders gives an estimated 478K individuals currently receiving care, 467K with a clinical unmet need, and 187K with a perceived unmet need (or a total of ~665K to 945K individuals needing care).

# Methods Notes: Utah Has A Safety Problem

- All data drawn from 1) National Practitioner Data Bank (NPDB) Public Use Data File, which extends from 1990-2023, and 2) the County Health Rankings number of Mental Health Providers, which reliably extends from 2015-2022.
- The NPDB data dictionary, found here: <u>https://www.npdb.hrsa.gov/resources/publicData.jsp</u>, provided the information necessary to properly code and label data by variables of interest, e.g. license type and license state.
- State estimates were aggregated by the license state NPDB variable, and missing license state data was imputed, where
  possible, with work state. In only 1% of reports does license state differ from work state, implying interchangeability between
  the two.
- To calculate the number of MHP across the 7-year time-span, year level data from the page linked below were appended. In years where a state aggregate was not reported, providers were summed across all counties in each state. <u>https://www.countyhealthrankings.org/explore-health-rankings/rankings-data-documentation</u>
- To calculate Annual NPDB Reports per 1,000 BH Practitioners, the number of reports per license (as specified in footnote 3) were summed up by state and year and divided by the number of MHP in the corresponding state and year. These figures were multiplied by 1,000 and then averaged across the 7 year time span.
- To calculate the rate of repeat offenders, the number of practitioners with 2+ reports was divided by the total number of unique practitioners, per state, with reports between 2010-2022. To ensure that practitioners were not counted twice for the same offense, reports of differing types with the same practitioner in the same year were counted as one event. This inherently assumes that if a practitioner had 2 reports of different types filed against him in one year, they originated from the same incident.
- Limitations. The County Health Rankings estimate for MHP includes professionals, such as psychiatrists and psychiatric nurses, that were not included in the summation of NPDB reports. Therefore, the two do not cover the exact same population of MHP, which may slightly underestimate the true number of reports per BH professional. Additionally, the filtering method applied to the repeat offenders analysis is not a perfect control for practitioners being double counted. The final figure may double count some reports while removing others that were legitimately unique incidents. Despite this, the analysis was robust to the inclusion of the filter.

PRELIMINARY

# Methods Notes: OPLR BH Workforce Survey

- Cross-Profession Minimum Data Set (CPMDS) survey instrument developed by Dr. Hanna Maxey, Director of the Bowen Center for Health Workforce Research & Policy
- Distributed via Qualtrics to all active DOPL licensees in behavioral health professions (16,250 unique individuals) on Feb 27, 2023
- Unique email links prevented duplicate responses

Distribution Summary			
Bounce rate	1%		
Open Rate	70%		
Completion Rate	91%		
Total Response Rate	25%		
Avg Completion Time	5-9 minutes		