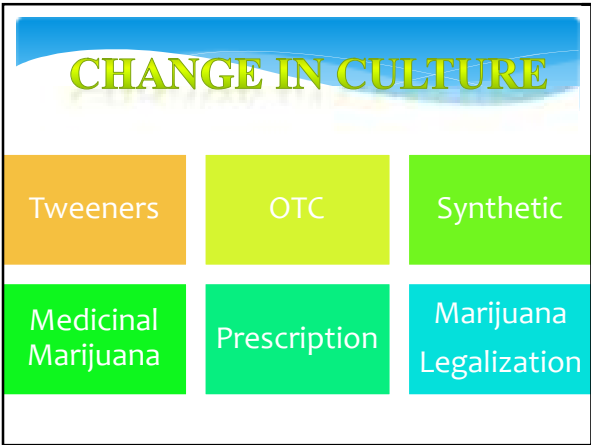


## 18<sup>th</sup> Annual State Substance Abuse Conference

- \* Anthony Muller MA, LPC, CAADC, CCS
- \* Director of Clinical and Business Development
- \* Wedgwood Christian Services
- \* MYTIE Team Member



## Medical Marijuana

Alcohol Vs Marijuana

Biding One's Time

## FDA

Requires Lg Scale Research → Plant Not Approved → 2 Medications with Cannabinoids

## Research in Progress

- Pain
- Auto immune Diseases
- Inflammation
- Seizures
- Mental Disorders
- MS

## THC vs CBD

THC	CBD
<ul style="list-style-type: none"> <li>Reduces Gastrointestinal</li> <li>Intra-ocular Pressure</li> <li>Relaxing Muscle</li> <li>Stimulating Appetite</li> </ul>	<ul style="list-style-type: none"> <li>Same as THC for:</li> <li>Anti-inflammatory</li> <li>Immunomodulatory</li> <li>Anti-emetic</li> </ul>
<ul style="list-style-type: none"> <li>Negative effects</li> <li>Altered consciousness</li> <li>Anxiety</li> <li>Raises Blood Pressure</li> <li>Distorts Time/Perception</li> </ul>	<ul style="list-style-type: none"> <li>No Altered Consciousness</li> <li>Reduces anxiety</li> <li>Lowers blood Pressure</li> </ul>

## Most Widely Abused Rx

Abused Medications

- Anxiety
- ADHD
- Pain

## Prescription Medication Benzo's

Valium 5 mg

Xanax 1 mg

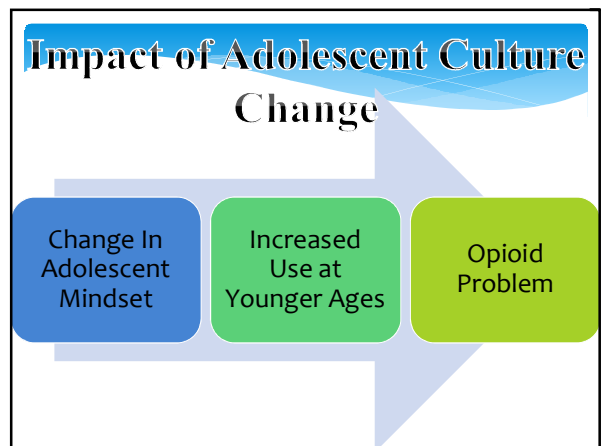
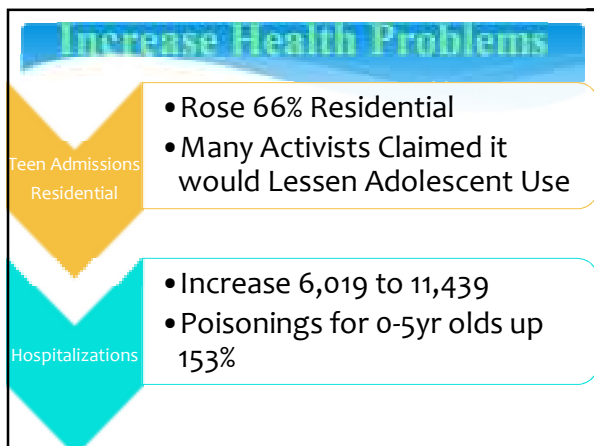
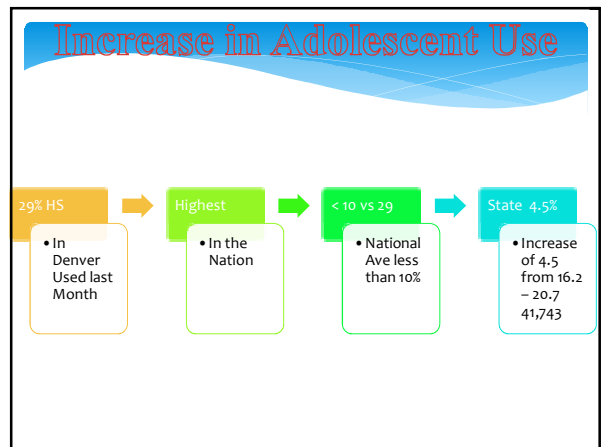
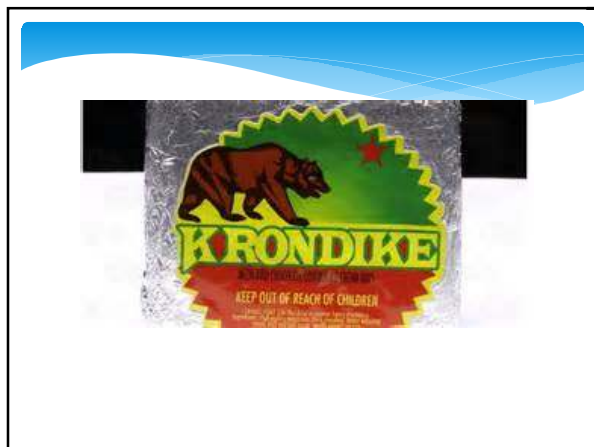
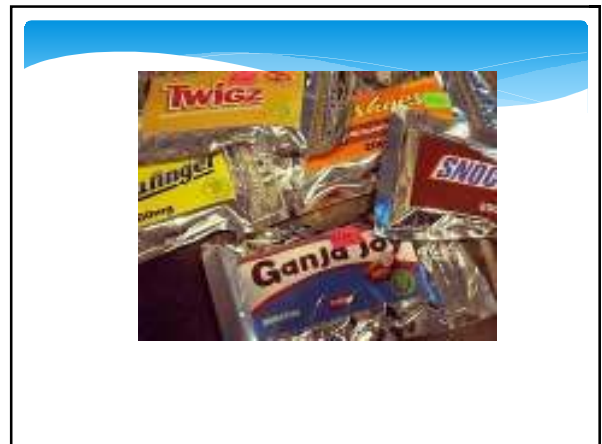
Valium 10 mg



### What We Have Learned So Far From Legalization Efforts

Marketing Youth	> Adol Use	Driving Impact
	> Health Problems	> Crime





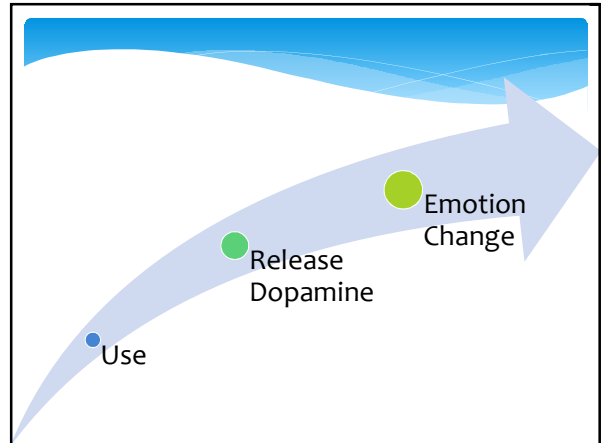
## What Drives Our Problem



## WHAT ALL DRUGS HAVE IN COMMON



## DOPAMINE



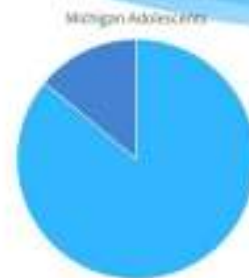
High Leaves

Loss of POS Emotions

Normal

Less Dopamine

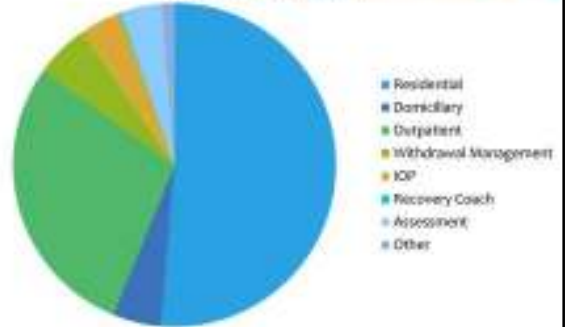
## Michigan Adolescents



## Percent of Those Needing Treatment Receiving It

8

Treatment Dollars Spent

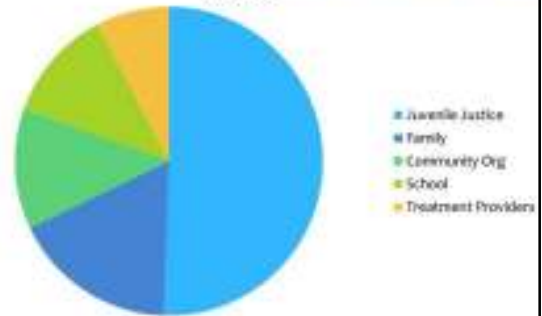


## Treatment Dollars by the Numbers

<b>Residential</b>	<b>2,462,563</b>	<b>51%</b>
Domiciliary	234,274	5%
Outpatient	1,376,078	28%
Withdrawal Management (18-21)	259,860	5%
Assessment/Screening	200,274	4%
<b>Intensive Outpatient</b>	<b>174,563</b>	<b>4%</b>
Medication Assisted Treat	118,434	2%
<b>Peer Recovery</b>	<b>7,616</b>	

## Where Referrals Come From

Referrals



## Adolescents Receiving Intense Enough Services

M  
25

## Know Your Role



## Research Summary on Adolescents

Use is Prevalent  
 Treatment is Effective  
 Treatment Outcomes 35% 5-6 Episodes  
 Retention Important 75% Drop out of Outpatient Programs  
 Treatment Completion has Strong Link to Long Term Positive Outcomes  
 Total Abstinence is not the Norm  
 Treatment Most Effective when it Includes 12 Month Continuum of Care  
 Those who Start Use before age 14 are at Highest Risk for Lifelong Dependency Issues  
 Some Researchers use 1 wk as Minimal Abstinence and 6 wks as Substantial.

## Measurable Successes

Strategies to Move out of Pre-Contemplation

Learn how to Stop Even if Temporary

Significant Break in Use

Insight into Personal Consequences

Opportunity to Try and Fail "Their Plan" in a Therapeutic Process

Set "Personalized Feedback" If I do This I Have A Problem

## Measurable Successes Cont.

If Another Dose Is Necessary Are They More Open to Attend

Honest About Using

Able to Figure Out What Caused a Lapse/Relapse

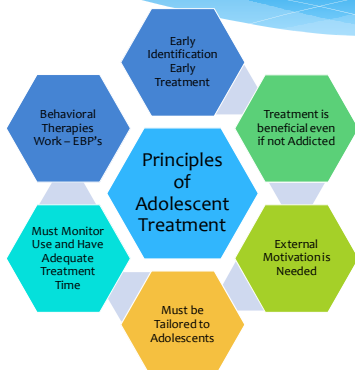
Verbalize Long Term Concerns

Delay or Stop Progression of Use

Obtain More Sobriety than Before

## Dr Mee-Lee

- \* Especially True for Adolescent Treatment Providers
- \* "We are trying to create a drop out prevention, discovery plan"



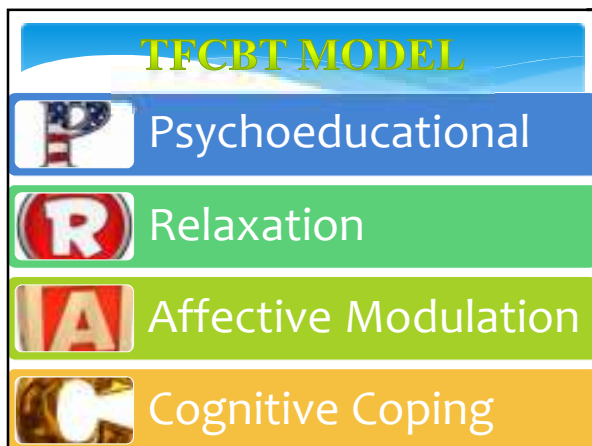
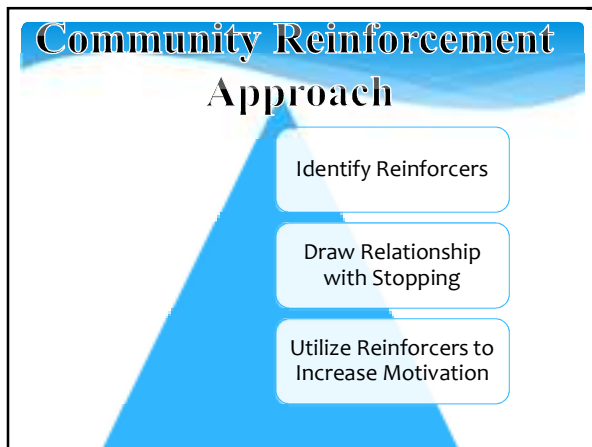
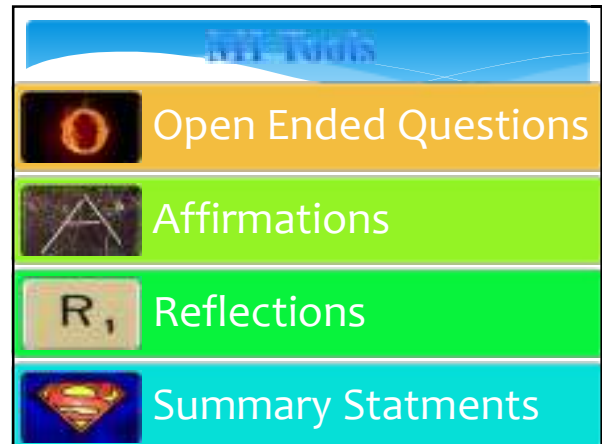
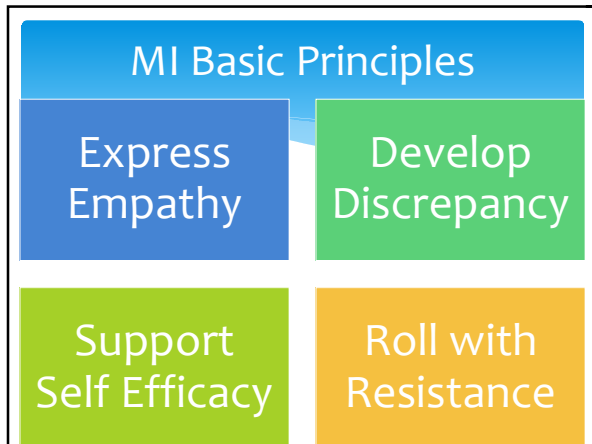
## State Selected EBP's

Motivational Interviewing

Assertive Community Reinforcement Approach

Trauma Focused Cognitive Behavioral Therapy







## Closing Remarks

