

WEBVTT

1 "Stephanie gissal" (2419976448)

00:00:04.349 --> 00:00:09.479

Hello, thank you for joining us for signals substance use disorder awareness theory.

2 "Stephanie gissal" (2419976448)

00:00:09.479 --> 00:00:16.259

My name is Stephanie gessle and along with my coworkers, Jordan Nielson, Carrie Mac and Wanda Russell.

3 "Stephanie gissal" (2419976448)

00:00:16.259 --> 00:00:25.290

We appreciate you joining us today, we are a team of nurses and behavioral clinicians for the opioids pain management and substance used to.

4 "Stephanie gissal" (2419976448)

00:00:25.290 --> 00:00:28.620

For a team here at ever north part of Cigna.

5 "Stephanie gissal" (2419976448)

00:00:28.620 --> 00:00:34.500

Due to the format of this seminar, you will not be able to ask questions during the presentation.

6 "Stephanie gissal" (2419976448)

00:00:34.500 --> 00:00:42.480

You are however able to add questions at any time in the Q and a section found at the lower right side of your screen.

7 "Stephanie gissal" (2419976448)

00:00:42.480 --> 00:00:49.020

We will try to address as many questions as time permits during the last 15 minutes of our hour together.

8 "Stephanie gissal" (2419976448)

00:00:49.020 --> 00:00:52.500

Please limit your questions to the seminar topic.

9 "Stephanie gissal" (2419976448)

00:00:52.500 --> 00:00:57.900

If you have specific questions regarding substance use disorder, treatment, or your policy.

10 "Stephanie gissal" (2419976448)

00:00:57.900 --> 00:01:03.810

Please contact me or 1 of my team members. Our contact information can be found on the left.

11 "Stephanie gissal" (2419976448)

00:01:03.810 --> 00:01:10.800

Slide of the PowerPoint today's PowerPoint will be part of the presentation here in the Webex.

12 "Stephanie gissal" (2419976448)

00:01:10.800 --> 00:01:16.920

You can click the link found in the chat section. The Q and a, as well.

13 "Stephanie gissal" (2419976448)

00:01:16.920 --> 00:01:21.900

Today I have the pleasure of introducing Dr Michelle Maloney and Dr.

14 "Stephanie gissal" (2419976448)

00:01:21.900 --> 00:01:25.980

Sean renew for our June. Webinar are normal.

15 "Stephanie gissal" (2419976448)

00:01:25.980 --> 00:01:30.150

Adolescent development. Dr Michelle Maloney is.

16 "Stephanie gissal" (2419976448)

00:01:30.150 --> 00:01:35.370

A system executive, clinical director of addiction services for Rogers.

17 "Stephanie gissal" (2419976448)

00:01:35.370 --> 00:01:45.180

Behavioral health, she has worked for more than 2 decades in the mental health and addiction field and as a passionate advocate for those struggling with substance use.

18 "Stephanie gissal" (2419976448)

00:01:45.180 --> 00:01:55.530

Throughout her career doctor Maloney has made several television appearances, including the Oprah Winfrey show Anderson Cooper in an episode of intervention.

19 "Stephanie gissal" (2419976448)

00:01:55.530 --> 00:02:01.530

Annie Dr. Maloney is a licensed counselor LPC for mental health.

20 "Stephanie gissal" (2419976448)

00:02:01.530 --> 00:02:05.250

And see a D AC for substitute.

21 "Stephanie gissal" (2419976448)

00:02:05.250 --> 00:02:11.250

She is also skilled in a nonprofit leadership and holds a PhD in corporate leadership.

22 "Stephanie gissal" (2419976448)
00:02:11.250 --> 00:02:14.760
University.

23 "Stephanie gissal" (2419976448)
00:02:14.760 --> 00:02:22.770
She writes policies and procedures to ensure compliance as well as protocols and she participates in substance use research.

24 "Stephanie gissal" (2419976448)
00:02:22.770 --> 00:02:32.940
Among her many achievement achievements, she led a team in a large undertaking to ensure that naloxone is available in all programs throughout the system.

25 "Stephanie gissal" (2419976448)
00:02:32.940 --> 00:02:38.010
And in November of 2022, this critical medications.

26 "Stephanie gissal" (2419976448)
00:02:38.010 --> 00:02:51.660
Was used in brown deer and saved a life factor. Maloney is dedicated to the behavioral health field currently serving on the addiction treatment and quality committee for the National Association for behavioral health care.

27 "Stephanie gissal" (2419976448)
00:02:51.660 --> 00:02:57.120
She completed a term on the Pennsylvania board.

28 "Stephanie gissal" (2419976448)
00:02:57.120 --> 00:03:04.470
Testimonies lifelong goal is to eliminate stigma. Emphasizing substance use is treatable and.

29 "Stephanie gissal" (2419976448)
00:03:04.470 --> 00:03:12.300
People of all social economic levels, races, nationalities and educational levels.

30 "Stephanie gissal" (2419976448)
00:03:12.300 --> 00:03:20.940
Sector Sean is the medical director for outpatient services at roger's behavioral health, providing medical leadership for Rogers.

31 "Stephanie gissal" (2419976448)
00:03:20.940 --> 00:03:26.700

Outpatient clinics across the country factor is a child adolescent.

32 "Stephanie gissal" (2419976448)

00:03:26.700 --> 00:03:31.650

Adult an addiction psychiatrist who focuses on the treatment of.

33 "Stephanie gissal" (2419976448)

00:03:31.650 --> 00:03:34.890

Occurring mental health and substance use disorders.

34 "Stephanie gissal" (2419976448)

00:03:34.890 --> 00:03:44.370

Dr. graduated from very university with a double major in biology and chemistry.

35 "Stephanie gissal" (2419976448)

00:03:44.370 --> 00:03:49.980

He then earned his medical degree from the University of Tennessee health center.

36 "Stephanie gissal" (2419976448)

00:03:49.980 --> 00:03:58.500

College of Madison, he has completed more than 6 years of post graduate medical training at the University of Colorado School of medicine.

37 "Stephanie gissal" (2419976448)

00:03:58.500 --> 00:04:04.470

Dr. is a member of the American Academy of child and Adolescent Psychiatry.

38 "Stephanie gissal" (2419976448)

00:04:04.470 --> 00:04:07.590

American Psychiatric Association.

39 "Stephanie gissal" (2419976448)

00:04:07.590 --> 00:04:11.880

American Society of addiction medicine in the American.

40 "Stephanie gissal" (2419976448)

00:04:11.880 --> 00:04:15.420

After the Academy of addiction, psychiatry.

41 "Stephanie gissal" (2419976448)

00:04:15.420 --> 00:04:20.040

Now, I will turn it over to our presenters from Rogers.

42 "Stephanie gissal" (2419976448)

00:04:20.040 --> 00:04:25.889

Behavioral Health Dr Maloney and that's the renewal.

43 "Michelle Maloney" (1320038656)

00:04:25.889 --> 00:04:33.479

Thank you Stephanie for that wonderful introduction and it is a pleasure to be with you for the next hour.

44 "Michelle Maloney" (1320038656)

00:04:33.479 --> 00:04:37.739

Uh, Dr, and I try to make this very.

45 "Michelle Maloney" (1320038656)

00:04:37.739 --> 00:04:43.949

Informative and we hope we will be able to guide you through a conversation today.

46 "Michelle Maloney" (1320038656)

00:04:43.949 --> 00:04:47.609

in which we can really explore what is normal adolescent

47 "Michelle Maloney" (1320038656)

00:04:47.609 --> 00:04:51.599

Development, what is experimentation.

48 "Michelle Maloney" (1320038656)

00:04:51.599 --> 00:04:56.279

And, um, what is problematic substance use? Um.

49 "Michelle Maloney" (1320038656)

00:04:56.279 --> 00:05:01.859

And so over the court, if next slide, please.

50 "Michelle Maloney" (1320038656)

00:05:01.859 --> 00:05:10.409

Besides working for roger's behavioral health Dr renew and I have no other disclosures to make on anything. We present in the information today.

51 "Michelle Maloney" (1320038656)

00:05:10.409 --> 00:05:21.419

Next slide please.

52 "Stephanie gissal" (2419976448)

00:05:21.419 --> 00:05:28.589

Sandy.

53 "Sean LeNoue" (3401171712)

00:05:34.349 --> 00:05:39.839

I'm not sure it seems like we're having some trouble here with progressing to the slides. All right.

54 "Stephanie gissal" (2419976448)
00:05:39.839 --> 00:05:44.519
Sandy, are you available to thank you.

55 "Michelle Maloney" (1320038656)
00:05:44.519 --> 00:05:53.729
Next next slide please again, over the next hour, we'd like to review.

56 "Michelle Maloney" (1320038656)
00:05:53.729 --> 00:05:58.619
some diagnostic criteria for substance use one explore neurobiology of the adolescent

57 "Michelle Maloney" (1320038656)
00:05:58.619 --> 00:06:03.239
Brain given that it is a developing brain and then lead a conversation and.

58 "Michelle Maloney" (1320038656)
00:06:03.239 --> 00:06:07.559
What's normal experimentation and what is substance use disorder? An adolescence.

59 "Michelle Maloney" (1320038656)
00:06:07.559 --> 00:06:12.839
Particularly in this day and age where marijuana is becoming legal in.

60 "Michelle Maloney" (1320038656)
00:06:12.839 --> 00:06:20.759
Many states or medical marijuana, so really just the beginning of the conversation for probably many years to come.

61 "Michelle Maloney" (1320038656)
00:06:20.759 --> 00:06:32.999
next slide please so we're gonna start what is what is a substance use disorder next slide please

62 "Michelle Maloney" (1320038656)
00:06:32.999 --> 00:06:39.719
So, substance use disorder really, um, you know, as we look at DSM 5, which is the criteria.

63 "Michelle Maloney" (1320038656)
00:06:39.719 --> 00:06:44.669
Um, Devo Dr, Lynne knew and I work to diagnose individuals.

64 "Michelle Maloney" (1320038656)
00:06:44.669 --> 00:06:48.359
Um, I'm providing set a framework for us, so.

65 "Michelle Maloney" (1320038656)
00:06:48.359 --> 00:06:53.519
It's really the direct activation of the brain reward system. So when we use.

66 "Michelle Maloney" (1320038656)
00:06:53.519 --> 00:06:57.629
Something and it makes us feel better. Right? We want to think about how it does.

67 "Michelle Maloney" (1320038656)
00:06:57.629 --> 00:07:00.839
How do our brains respond? How does our body? How is our.

68 "Michelle Maloney" (1320038656)
00:07:00.839 --> 00:07:05.369
Life impacted, so the 1st is really impaired control over substance to you.

69 "Michelle Maloney" (1320038656)
00:07:05.369 --> 00:07:08.729
And as you can see here, there are 4 different.

70 "Michelle Maloney" (1320038656)
00:07:08.729 --> 00:07:11.939
Criteria that, meaning, you know, am I using.

71 "Michelle Maloney" (1320038656)
00:07:11.939 --> 00:07:17.099
More than maybe what I did previously so maybe before 3 beers would.

72 "Michelle Maloney" (1320038656)
00:07:17.099 --> 00:07:21.509
I'd be under the influence maybe I'd be, you know, feeling drunk after 3.

73 "Michelle Maloney" (1320038656)
00:07:21.509 --> 00:07:26.369
Beers and now it's 8 beers. Maybe I've tried to stop.

74 "Michelle Maloney" (1320038656)
00:07:26.369 --> 00:07:29.969
And I can't right, that would be our 2nd criteria.

75 "Michelle Maloney" (1320038656)
00:07:29.969 --> 00:07:33.629
or am i spending a lot of time either

76 "Michelle Maloney" (1320038656)
00:07:33.629 --> 00:07:37.949

You know, trying to figure out, how am I going to obtain a substance how, you know.

77 "Michelle Maloney" (1320038656)
00:07:37.949 --> 00:07:41.009
Assuming of it, or I'm recovering from it.

78 "Michelle Maloney" (1320038656)
00:07:41.009 --> 00:07:44.549
And then the last 1 in this area is really cravings.

79 "Michelle Maloney" (1320038656)
00:07:44.549 --> 00:07:48.239
So, as we know cravings, we may all get cravings for different.

80 "Michelle Maloney" (1320038656)
00:07:48.239 --> 00:07:52.649
At times, right maybe cravings for salt. Maybe cravings for something. Sweet.

81 "Michelle Maloney" (1320038656)
00:07:52.649 --> 00:07:59.849
Within substance use, there are also, uh, cravings, cravings for that substance use. So that's really our impaired control.

82 "Michelle Maloney" (1320038656)
00:07:59.849 --> 00:08:03.419
Our 2nd is social impairment, so for an.

83 "Michelle Maloney" (1320038656)
00:08:03.419 --> 00:08:06.989
Lesson is the substance use interfering with.

84 "Michelle Maloney" (1320038656)
00:08:06.989 --> 00:08:10.859
I'm completing their homework maybe you've seen their grade.

85 "Michelle Maloney" (1320038656)
00:08:10.859 --> 00:08:15.359
Drop over over a period of time, or maybe they.

86 "Michelle Maloney" (1320038656)
00:08:15.359 --> 00:08:20.519
Used to play football, and now they no longer play any sports and really aren't interested.

87 "Michelle Maloney" (1320038656)
00:08:20.519 --> 00:08:24.029
Um, the 2nd, being persistent use this.

88 "Michelle Maloney" (1320038656)

00:08:24.029 --> 00:08:28.019

Bite those problems so even though they're having problems.

89 "Michelle Maloney" (1320038656)

00:08:28.019 --> 00:08:33.599

They're continuing to use that substance and the last 1 in this is that withdrawals.

90 "Michelle Maloney" (1320038656)

00:08:33.599 --> 00:08:41.609

Um, or reduction of maybe social or recreational activities as I mentioned the football, maybe there's also a change in friends.

91 "Michelle Maloney" (1320038656)

00:08:41.609 --> 00:08:46.949

Or they just sort of hang out in the room anymore. Um, so that's our social.

92 "Michelle Maloney" (1320038656)

00:08:46.949 --> 00:08:52.829

Next slide please the next 1 is risky.

93 "Michelle Maloney" (1320038656)

00:08:52.829 --> 00:08:57.029

Right. Are they putting themselves in hazardous situation?

94 "Michelle Maloney" (1320038656)

00:08:57.029 --> 00:09:02.009

are they using despite either physical

95 "Michelle Maloney" (1320038656)

00:09:02.009 --> 00:09:05.879

Or psychological problems, you know, maybe they have.

96 "Michelle Maloney" (1320038656)

00:09:05.879 --> 00:09:09.239

depression anxiety rate are they continuing to

97 "Michelle Maloney" (1320038656)

00:09:09.239 --> 00:09:14.429

Despite those, and then the last area is our pharmacological.

98 "Michelle Maloney" (1320038656)

00:09:14.429 --> 00:09:17.969

Right and this these 2 are not required.

99 "Michelle Maloney" (1320038656)

00:09:17.969 --> 00:09:22.949

For a diagnosis of substance use disorder. So the 1st is tolerance.

Meaning again.

100 "Michelle Maloney" (1320038656)

00:09:22.949 --> 00:09:27.809

You know, it am I needing more to now be under the influence.

101 "Michelle Maloney" (1320038656)

00:09:27.809 --> 00:09:31.649

Um, and then withdraw, right? Am I.

102 "Michelle Maloney" (1320038656)

00:09:31.649 --> 00:09:35.729

going through withdrawal process so we know like with opioids when you go through

103 "Michelle Maloney" (1320038656)

00:09:35.729 --> 00:09:41.189

Withdrawal it can feel like the worst flue you've ever had. Um, and and that's 1 of the.

104 "Michelle Maloney" (1320038656)

00:09:41.189 --> 00:09:46.289

The substances that we see a lot of withdrawal in, and as we mentioned here.

105 "Michelle Maloney" (1320038656)

00:09:46.289 --> 00:09:49.859

Alcohol opioids sedatives antibiotics.

106 "Michelle Maloney" (1320038656)

00:09:49.859 --> 00:09:57.449

Really do have that that marked withdrawal process. Again. The last 2 tolerance and withdrawal are not required.

107 "Michelle Maloney" (1320038656)

00:09:57.449 --> 00:10:00.479

A, for a substance use.

108 "Michelle Maloney" (1320038656)

00:10:00.479 --> 00:10:04.049

Diagnosis and so how do we.

109 "Michelle Maloney" (1320038656)

00:10:04.049 --> 00:10:07.739

Come to believe if somebody does have a substance use diagnosis.

110 "Michelle Maloney" (1320038656)

00:10:07.739 --> 00:10:13.589

Next slide please. So if we go through those 11 criteria, right?

111 "Michelle Maloney" (1320038656)
00:10:13.589 --> 00:10:18.209
Does that adolescent meet 2 to 3 criteria? We would call that a mile.

112 "Michelle Maloney" (1320038656)
00:10:18.209 --> 00:10:25.259
Substance use, or is it, you know, 6 or more and we call that a severe.

113 "Michelle Maloney" (1320038656)
00:10:25.259 --> 00:10:30.689
Substance use disorder and then typically the substances that we see.

114 "Michelle Maloney" (1320038656)
00:10:30.689 --> 00:10:35.369
That we are treating on a daily basis really? The tobacco, we see a lot of that.

115 "Michelle Maloney" (1320038656)
00:10:35.369 --> 00:10:40.739
Whether that be your traditional cigarettes, or whether that be the vaping.

116 "Michelle Maloney" (1320038656)
00:10:40.739 --> 00:10:46.049
We, we continually see alcohol and then marijuana.

117 "Michelle Maloney" (1320038656)
00:10:46.049 --> 00:10:51.389
And then we also see opioids and stimulants, which I'm sure is not surprising to you.

118 "Michelle Maloney" (1320038656)
00:10:51.389 --> 00:10:55.769
In the fact that we're in the midst of a continual opioid epidemic.

119 "Michelle Maloney" (1320038656)
00:10:55.769 --> 00:11:01.319
So those are the top 5 substances that we are treating, um, in our, our.

120 "Michelle Maloney" (1320038656)
00:11:01.319 --> 00:11:08.459
Lessons on a daily basis next slide please.

121 "Sean LeNoue" (3401171712)
00:11:08.459 --> 00:11:14.609
Thanks so much Dr Maloney, we're going to transition now and talk a bit about epidemiology and really think about.

122 "Sean LeNoue" (3401171712)

00:11:14.609 --> 00:11:19.529

You know, now that Dr Maloney is laid the groundwork for what is a substance use to.

123 "Sean LeNoue" (3401171712)

00:11:19.529 --> 00:11:25.469

We're, we're going to think about now, like, well, who's affected and to what degree in severity.

124 "Sean LeNoue" (3401171712)

00:11:25.469 --> 00:11:28.799

And when we when we really look at this and think about.

125 "Sean LeNoue" (3401171712)

00:11:28.799 --> 00:11:32.639

Out in adolescence and then particularly.

126 "Sean LeNoue" (3401171712)

00:11:32.639 --> 00:11:38.759

For anyone throughout their lifetime and ask the question who is affected.

127 "Sean LeNoue" (3401171712)

00:11:38.759 --> 00:11:42.449

By substance use disorders um, I'll give you a moment.

128 "Sean LeNoue" (3401171712)

00:11:42.449 --> 00:11:48.119

To kind of ponder that, um, and we can move to the next slide.

129 "Sean LeNoue" (3401171712)

00:11:48.119 --> 00:11:52.409

And, and really what we know is that everyone is affected.

130 "Sean LeNoue" (3401171712)

00:11:52.409 --> 00:11:56.969

And the reason for saying that is the impact.

131 "Sean LeNoue" (3401171712)

00:11:56.969 --> 00:12:03.239

Of this Neuro biologically based illness of addiction and substance use disorders.

132 "Sean LeNoue" (3401171712)

00:12:03.239 --> 00:12:08.279

Impacts us all either directly or indirectly either we ourselves.

133 "Sean LeNoue" (3401171712)

00:12:08.279 --> 00:12:12.149

Struggling with addiction our family members are friends.

134 "Sean LeNoue" (3401171712)

00:12:12.149 --> 00:12:16.199

Community members or even a random.

135 "Sean LeNoue" (3401171712)

00:12:21.449 --> 00:12:27.899

That that puts them and others at and I say that from a place of judgment or to create.

136 "Sean LeNoue" (3401171712)

00:12:27.899 --> 00:12:32.279

Stigma and blame, but rather just acknowledging that these.

137 "Sean LeNoue" (3401171712)

00:12:32.279 --> 00:12:35.519

Issues impact and affect us all and really, it's going to.

138 "Sean LeNoue" (3401171712)

00:12:35.519 --> 00:12:41.429

Take a village and everyone coming together to think about how we can.

139 "Sean LeNoue" (3401171712)

00:12:41.429 --> 00:12:45.959

Best not only treat, but support individuals who are struggling.

140 "Sean LeNoue" (3401171712)

00:12:45.959 --> 00:12:51.089

Because it affects us all so moving on then to the next slide.

141 "Sean LeNoue" (3401171712)

00:12:51.089 --> 00:12:57.749

In general, sort of, as I've alluded to mental health and particularly substance use disorders. No, no.

142 "Sean LeNoue" (3401171712)

00:12:57.749 --> 00:13:05.579

Limit and are in no way bound by gender sexuality or identity race ethnicity.

143 "Sean LeNoue" (3401171712)

00:13:05.579 --> 00:13:10.529

socio economic status, or class geography, or other demographic factors.

144 "Sean LeNoue" (3401171712)

00:13:10.529 --> 00:13:17.729

So, if you are human, you are potentially at risk. Um, but the reality on the flip side is that.

145 "Sean LeNoue" (3401171712)

00:13:17.729 --> 00:13:22.559

Information is power and there's a lot that we can do when.

146 "Sean LeNoue" (3401171712)

00:13:22.559 --> 00:13:29.099

We start to tear down barriers and reduce stigma and really start to create conversation.

147 "Sean LeNoue" (3401171712)

00:13:29.099 --> 00:13:34.559

Particularly today, as we think about adolescence and are.

148 "Sean LeNoue" (3401171712)

00:13:34.559 --> 00:13:37.709

Youth, and where these issues start to pop up.

149 "Sean LeNoue" (3401171712)

00:13:37.709 --> 00:13:42.059

Up how they begin and then how they progress, because.

150 "Sean LeNoue" (3401171712)

00:13:42.059 --> 00:13:45.809

While I've said, you know, kind of 1 side of the.

151 "Sean LeNoue" (3401171712)

00:13:45.809 --> 00:13:49.289

Story which is true that, hey, you know, bad news is that.

152 "Sean LeNoue" (3401171712)

00:13:49.289 --> 00:13:54.959

That anyone and everyone is affected good news. Is that rarely if ever do these issues sort of.

153 "Sean LeNoue" (3401171712)

00:13:54.959 --> 00:13:58.289

Pop up out of nowhere out of the blue.

154 "Sean LeNoue" (3401171712)

00:13:58.289 --> 00:14:05.459

And and sort of rage on if you will, they typically progress right? And they start small and.

155 "Sean LeNoue" (3401171712)

00:14:05.459 --> 00:14:09.389

Flow and progress onwards the other issue that.

156 "Sean LeNoue" (3401171712)

00:14:09.389 --> 00:14:13.649

That that we're really facing to in addition to the.

157 "Sean LeNoue" (3401171712)

00:14:13.649 --> 00:14:18.269

Crisis that Dr, Maloney mentioned is that, you know, access.

158 "Sean LeNoue" (3401171712)

00:14:18.269 --> 00:14:22.169

To care remains, you know, very limited.

159 "Sean LeNoue" (3401171712)

00:14:22.169 --> 00:14:25.379

And really the, the service.

160 "Sean LeNoue" (3401171712)

00:14:25.379 --> 00:14:30.269

Is there are woefully unprepared in our current infrastructure.

161 "Sean LeNoue" (3401171712)

00:14:30.269 --> 00:14:35.489

To really meet the needs and the demands of people who are struggling every day.

162 "Sean LeNoue" (3401171712)

00:14:35.489 --> 00:14:42.989

So you sort of had this perfect storm, right of everyone directly or indirectly being affected and not enough.

163 "Sean LeNoue" (3401171712)

00:14:42.989 --> 00:14:47.069

Been out there, um, not to mention evidence.

164 "Sean LeNoue" (3401171712)

00:14:47.069 --> 00:14:51.119

Base quality treatment services that are really focused on.

165 "Sean LeNoue" (3401171712)

00:14:51.119 --> 00:14:56.309

Standards of practice and care that we know have proven outcomes and.

166 "Sean LeNoue" (3401171712)

00:14:56.309 --> 00:15:00.299

To really help people get Veterans Day better. So.

167 "Sean LeNoue" (3401171712)

00:15:00.299 --> 00:15:03.869

That's what we're up against, but and.

168 "Sean LeNoue" (3401171712)

00:15:07.349 --> 00:15:11.129

See change, we see recovery um.

169 "Sean LeNoue" (3401171712)

00:15:11.129 --> 00:15:15.179

Every day, and we see people getting back to living their lives every single.

170 "Sean LeNoue" (3401171712)

00:15:15.179 --> 00:15:19.019

They, and again, here, this is our opportunity to.

171 "Sean LeNoue" (3401171712)

00:15:22.049 --> 00:15:28.409

Nice, you know, factors, symptoms and contributing issues.

172 "Sean LeNoue" (3401171712)

00:15:28.409 --> 00:15:32.159

Early in someone's life to hopefully be able to.

173 "Sean LeNoue" (3401171712)

00:15:32.159 --> 00:15:36.539

Prevent the development of a substance use disorder, but should.

174 "Sean LeNoue" (3401171712)

00:15:36.539 --> 00:15:40.769

You know, that take place also being able to catch it early, because we know that.

175 "Sean LeNoue" (3401171712)

00:15:40.769 --> 00:15:44.849

Um, really, the best treatment overall is prevention and so.

176 "Sean LeNoue" (3401171712)

00:15:47.999 --> 00:15:52.049

Move on to the next slide please. So.

177 "Sean LeNoue" (3401171712)

00:15:52.049 --> 00:15:56.369

Here are the numbers for children, adolescents, substance, use disorders.

178 "Sean LeNoue" (3401171712)

00:15:56.369 --> 00:16:00.689

Characterized by type of use lifetime.

179 "Sean LeNoue" (3401171712)

00:16:04.559 --> 00:16:07.829

Their overall prevalence in use, so.

180 "Sean LeNoue" (3401171712)

00:16:07.829 --> 00:16:14.039

Starting at the top lifetime prevalence, tobacco over a quarter of individuals.

181 "Sean LeNoue" (3401171712)

00:16:14.039 --> 00:16:18.089

Have used tobacco by the time that they are.

182 "Sean LeNoue" (3401171712)

00:16:18.089 --> 00:16:24.719

12th grade, 61, and a half percent approaching almost 2 thirds. Have.

183 "Sean LeNoue" (3401171712)

00:16:24.719 --> 00:16:29.159

You know, not only used, but me criteria, or I should say this, this.

184 "Sean LeNoue" (3401171712)

00:16:32.249 --> 00:16:35.999

Marijuana 45, you know, roughly 50% and these.

185 "Sean LeNoue" (3401171712)

00:16:35.999 --> 00:16:40.769

To come from monitoring the future from 2019 and so.

186 "Sean LeNoue" (3401171712)

00:16:40.769 --> 00:16:43.949

Well, you know, continuing to monitor what we've seen.

187 "Sean LeNoue" (3401171712)

00:16:43.949 --> 00:16:50.519

Is as there's been greater social acceptance and permissibility of marijuana in particular.

188 "Sean LeNoue" (3401171712)

00:16:50.519 --> 00:16:55.499

We have seen an associated increase in use.

189 "Sean LeNoue" (3401171712)

00:16:55.499 --> 00:16:59.639

As well, particularly among youth and then really any.

190 "Sean LeNoue" (3401171712)

00:17:04.229 --> 00:17:10.979

Um, have use some sort of substance by the time that they're in 12 grade. Um, also thinking.

191 "Sean LeNoue" (3401171712)

00:17:14.039 --> 00:17:20.639

The more frequent consistent use as well, which not only puts them at risk for having a substance use.

192 "Sean LeNoue" (3401171712)
00:17:20.639 --> 00:17:26.429
Right that in there, but also potentially developing 1, um, moving forward.

193 "Sean LeNoue" (3401171712)
00:17:26.429 --> 00:17:31.619
We know that 5.96% of individuals report.

194 "Sean LeNoue" (3401171712)
00:17:31.619 --> 00:17:35.339
Daily marijuana use and roughly.

195 "Sean LeNoue" (3401171712)
00:17:35.339 --> 00:17:41.519
Be a quarter of individuals who are 4th graders report using marijuana within the past.

196 "Sean LeNoue" (3401171712)
00:17:41.519 --> 00:17:47.579
Past 30 days, and we know that 1 to 2.

197 "Sean LeNoue" (3401171712)
00:17:47.579 --> 00:17:51.929
Of individuals who are 4th graders report, daily use.

198 "Sean LeNoue" (3401171712)
00:17:51.929 --> 00:17:57.959
To be clear how they're defining daily use here because there is some variability daily use.

199 "Sean LeNoue" (3401171712)
00:17:57.959 --> 00:18:03.839
Is use of the substance, and at least 20 out of the past.

200 "Sean LeNoue" (3401171712)
00:18:03.839 --> 00:18:08.549
30 days, so certainly well, over a majority of those days.

201 "Sean LeNoue" (3401171712)
00:18:08.549 --> 00:18:12.449
There was use of that substance and we see.

202 "Sean LeNoue" (3401171712)
00:18:12.449 --> 00:18:16.589
A little over 30% almost a 3rd of individuals.

203 "Sean LeNoue" (3401171712)
00:18:16.589 --> 00:18:21.269

And 12th graders report using alcohol in the past 30 days.

204 "Sean LeNoue" (3401171712)

00:18:21.269 --> 00:18:27.959

So, um, you know, we'll move on to the next slide please.

205 "Sean LeNoue" (3401171712)

00:18:27.959 --> 00:18:33.179

And think about Co, occurring issues, which is an area of focus, um.

206 "Sean LeNoue" (3401171712)

00:18:33.179 --> 00:18:37.499

Of clinical work and research for myself and Dr.

207 "Sean LeNoue" (3401171712)

00:18:37.499 --> 00:18:44.129

Because this is really important, because rarely do these issues exist in silos. Right? And so.

208 "Sean LeNoue" (3401171712)

00:18:44.129 --> 00:18:49.769

Um, what we often find is that whether it's the chicken or the egg.

209 "Sean LeNoue" (3401171712)

00:18:49.769 --> 00:18:53.669

You know, I can oftentimes be get the other meaning.

210 "Sean LeNoue" (3401171712)

00:18:53.669 --> 00:18:58.919

You know, anxiety, ADHD, depression trauma.

211 "Sean LeNoue" (3401171712)

00:18:58.919 --> 00:19:07.889

Are certainly risk factors and oftentimes can be precursors to the development of a substance used to.

212 "Sean LeNoue" (3401171712)

00:19:07.889 --> 00:19:12.869

Order and that's going to be really key when we think about again.

213 "Sean LeNoue" (3401171712)

00:19:12.869 --> 00:19:16.259

Recognition prevention and early intervention.

214 "Sean LeNoue" (3401171712)

00:19:16.259 --> 00:19:21.959

Sessions with the understanding that when it's when it comes down to Co, occurring issues.

215 "Sean LeNoue" (3401171712)

00:19:21.959 --> 00:19:28.019

We know both from our clinical experience, but also the research and the literature supports it.

216 "Sean LeNoue" (3401171712)

00:19:28.019 --> 00:19:34.649

You have to treat both or the multitude of issues at the same time. You may you may do.

217 "Sean LeNoue" (3401171712)

00:19:38.339 --> 00:19:44.609

Really? It's the CO, occurring, facilitation of treatment and addressing issues concurrent.

218 "Sean LeNoue" (3401171712)

00:19:44.609 --> 00:19:48.539

That we know has the greatest impact on an individual.

219 "Sean LeNoue" (3401171712)

00:19:52.499 --> 00:19:58.469

Really benefiting from change and hopefully working on recovery. So we know that in.

220 "Sean LeNoue" (3401171712)

00:20:02.399 --> 00:20:10.139

60 to 80% of those individuals with the substance use disorder, have a Co, morbid mental health disorder.

221 "Sean LeNoue" (3401171712)

00:20:10.139 --> 00:20:16.109

Um, and, you know, so we know, especially when it comes to substance use issues.

222 "Sean LeNoue" (3401171712)

00:20:16.109 --> 00:20:21.539

Having a CO occurring mental health consumer issue is the rule.

223 "Sean LeNoue" (3401171712)

00:20:21.539 --> 00:20:26.339

You know, not the exception. So to speak and clearly, it's not for every 1 every time.

224 "Sean LeNoue" (3401171712)

00:20:26.339 --> 00:20:34.109

But, you know, far out seeds, the majority of individuals will likely have become more of a mental health issue. So we need to address it.

225 "Sean LeNoue" (3401171712)

00:20:34.109 --> 00:20:43.259

Um, and we know that stigma is alive and well, unfortunately in mental

health and the recognition and talking about.

226 "Sean LeNoue" (3401171712)

00:20:43.259 --> 00:20:47.039

Treating mental health issues and concerns. Luckily we find.

227 "Sean LeNoue" (3401171712)

00:20:47.039 --> 00:20:52.349

I think probably today now, more than ever in our in our recent history.

228 "Sean LeNoue" (3401171712)

00:20:52.349 --> 00:20:58.709

That it's more acceptable to talk about these issues and certainly.

229 "Sean LeNoue" (3401171712)

00:20:58.709 --> 00:21:03.869

You know, there's a lot of conversations happening. Stigma is also alive and well, when it comes to.

230 "Sean LeNoue" (3401171712)

00:21:03.869 --> 00:21:09.149

To addiction and substance use issues so we've got our work cut out for us, but also.

231 "Sean LeNoue" (3401171712)

00:21:09.149 --> 00:21:14.849

A lot of opportunity to make change I'm thinking about ADHD. This is huge, because we see.

232 "Sean LeNoue" (3401171712)

00:21:14.849 --> 00:21:18.209

You know, a pretty significant correlation overall so.

233 "Sean LeNoue" (3401171712)

00:21:18.209 --> 00:21:22.109

Individuals with ADHD are 1.

234 "Sean LeNoue" (3401171712)

00:21:25.499 --> 00:21:32.789

Co, morbid cannabis use disorder over the course of a lifetime than individuals who did not have ADHD. So kind of compared to the.

235 "Sean LeNoue" (3401171712)

00:21:32.789 --> 00:21:37.079

The, the rest of the population, um, and that's.

236 "Sean LeNoue" (3401171712)

00:21:37.079 --> 00:21:41.189

For a multitude of reasons, likely when we think about impulse.

237 "Sean LeNoue" (3401171712)

00:21:41.189 --> 00:21:47.009

That can oftentimes go along with ADHD. We also know anxiety disorders our.

238 "Sean LeNoue" (3401171712)

00:21:47.009 --> 00:21:50.519

Highly Co, morbid with ADHD and sometimes.

239 "Sean LeNoue" (3401171712)

00:21:50.519 --> 00:21:55.049

Cannabis, a lot of times cannabis can be used to kind of self Medicaid.

240 "Sean LeNoue" (3401171712)

00:21:55.049 --> 00:22:00.929

For those issues, oppositional, defiant disorder, conduct disorder.

241 "Sean LeNoue" (3401171712)

00:22:00.929 --> 00:22:10.439

We know that roughly 25 to 50% of those individuals have a CO occurring substance use disorder as well.

242 "Sean LeNoue" (3401171712)

00:22:10.439 --> 00:22:15.659

So pretty significant and certainly clinically significant. We know that, um.

243 "Sean LeNoue" (3401171712)

00:22:19.709 --> 00:22:23.279

Their odds ratio of 3, 3 times.

244 "Sean LeNoue" (3401171712)

00:22:23.279 --> 00:22:30.869

More likely to use tobacco if you have an anxiety disorder, and then meeting age of onset of a substance used to.

245 "Sean LeNoue" (3401171712)

00:22:30.869 --> 00:22:36.749

Quarter, um, particularly when there's mental health concerns is going to be 15 years of age.

246 "Sean LeNoue" (3401171712)

00:22:36.749 --> 00:22:42.809

So, it's young, and it comes up early and sometimes it comes up earlier. But again.

247 "Sean LeNoue" (3401171712)

00:22:42.809 --> 00:22:46.409

That's our opportunity to educate.

248 "Sean LeNoue" (3401171712)

00:22:46.409 --> 00:22:49.709

Ourselves as parents.

249 "Sean LeNoue" (3401171712)

00:22:49.709 --> 00:22:53.699

Community members professionals, teachers.

250 "Sean LeNoue" (3401171712)

00:22:53.699 --> 00:22:58.319

You know, all those that are involved in a youth.

251 "Sean LeNoue" (3401171712)

00:22:58.319 --> 00:23:01.529

Life to be able to approach these.

252 "Sean LeNoue" (3401171712)

00:23:01.529 --> 00:23:04.919

Issues in an educated way in an informed way.

253 "Sean LeNoue" (3401171712)

00:23:04.919 --> 00:23:09.809

Um, and in a non judgmental way, next slide please.

254 "Sean LeNoue" (3401171712)

00:23:13.199 --> 00:23:20.459

So, what do you think about neurobiology as well? And we're going to think about neuro development and we're gonna talk a bit, particularly when it.

255 "Sean LeNoue" (3401171712)

00:23:23.489 --> 00:23:28.229

Certainly in different areas of the country, and frankly throughout the country and so.

256 "Sean LeNoue" (3401171712)

00:23:32.159 --> 00:23:36.269

Because it has some, the potential for some pretty profound.

257 "Sean LeNoue" (3401171712)

00:23:36.269 --> 00:23:40.949

Negative impacts in effect on neuro development and.

258 "Sean LeNoue" (3401171712)

00:23:44.099 --> 00:23:48.029

So, we'll move on to the next slide please and get started.

259 "Sean LeNoue" (3401171712)

00:23:48.029 --> 00:23:53.669

With really overall thinking about, um, you know, kind of.

260 "Sean LeNoue" (3401171712)

00:23:53.669 --> 00:23:57.689

We talked a bit about what our substance use disorders.

261 "Sean LeNoue" (3401171712)

00:23:57.689 --> 00:24:02.969

Let's talk for a moment about the different systems in our brains and our bodies.

262 "Sean LeNoue" (3401171712)

00:24:02.969 --> 00:24:06.599

That are particularly affected, um.

263 "Sean LeNoue" (3401171712)

00:24:06.599 --> 00:24:09.989

Through the process of use misuse.

264 "Sean LeNoue" (3401171712)

00:24:09.989 --> 00:24:13.559

Tolerance dependence and sort of.

265 "Sean LeNoue" (3401171712)

00:24:13.559 --> 00:24:18.269

That perpetuating cycle of use that can then lead into a.

266 "Sean LeNoue" (3401171712)

00:24:18.269 --> 00:24:24.059

Sort of an addiction, so I bring up more indirectly um.

267 "Sean LeNoue" (3401171712)

00:24:24.059 --> 00:24:30.449

You know, the role of the hypothalamic, pituitary adrenal access when it comes.

268 "Sean LeNoue" (3401171712)

00:24:30.449 --> 00:24:38.759

To not only mental health and substance use because there is this overlay essentially of a rush.

269 "Sean LeNoue" (3401171712)

00:24:38.759 --> 00:24:43.859

And stresses that are put on the body that can come up particularly.

270 "Sean LeNoue" (3401171712)

00:24:43.859 --> 00:24:48.329

For mental health issues, there are some overlays with this.

271 "Sean LeNoue" (3401171712)

00:24:48.329 --> 00:24:53.249

Endocrine system and how that can put stress on the body.

272 "Sean LeNoue" (3401171712)

00:24:53.249 --> 00:24:56.489

With substance use as well, but what's interesting.

273 "Sean LeNoue" (3401171712)

00:24:56.489 --> 00:24:59.639

Being here too is thinking about.

274 "Sean LeNoue" (3401171712)

00:24:59.639 --> 00:25:05.429

The dopamine system and so it is a much more complicated.

275 "Sean LeNoue" (3401171712)

00:25:05.429 --> 00:25:10.319

System overall, but what we know is that while not.

276 "Sean LeNoue" (3401171712)

00:25:10.319 --> 00:25:14.789

Exclusively in addition to this HBA access, we know that that.

277 "Sean LeNoue" (3401171712)

00:25:14.789 --> 00:25:19.499

Dopamine centers of our brain and our bodies are what.

278 "Sean LeNoue" (3401171712)

00:25:19.499 --> 00:25:25.349

1 of the primary drivers of addiction and what leads to that rush.

279 "Sean LeNoue" (3401171712)

00:25:25.349 --> 00:25:30.029

And the euphoria and kind of that hooked, um.

280 "Sean LeNoue" (3401171712)

00:25:30.029 --> 00:25:36.059

Phenomenon that occurs, because you don't mean is 1 of our.

281 "Sean LeNoue" (3401171712)

00:25:36.059 --> 00:25:43.079

Primary pleasure neurotransmitters. So when we think about sex, drugs and rock and roll.

282 "Sean LeNoue" (3401171712)

00:25:43.079 --> 00:25:48.359

You know, a piece of chocolate, a really good conversation being with a love.

283 "Sean LeNoue" (3401171712)
00:25:48.359 --> 00:25:54.239
1, those kind of feel good emotions.

284 "Sean LeNoue" (3401171712)
00:25:54.239 --> 00:26:00.419
And feelings are in part driven through dopamine. Now you take that.

285 "Sean LeNoue" (3401171712)
00:26:00.419 --> 00:26:03.479
That pathway and when it gets hijacked.

286 "Sean LeNoue" (3401171712)
00:26:03.479 --> 00:26:10.409
Through substance use and that addiction, it's like, you know, the
Doberman piece and all those.

287 "Sean LeNoue" (3401171712)
00:26:10.409 --> 00:26:15.149
You know, good feelings, but on overload and on overdrive.

288 "Sean LeNoue" (3401171712)
00:26:15.149 --> 00:26:21.749
So, what folks will often find is that they begin sort of chasing that
high.

289 "Sean LeNoue" (3401171712)
00:26:21.749 --> 00:26:27.959
And while this is not explicitly noted here Dr, malaria. Welcome your
thoughts and input 2.

290 "Sean LeNoue" (3401171712)
00:26:27.959 --> 00:26:32.969
You know, oftentimes, especially in adolescence, experimentation.

291 "Sean LeNoue" (3401171712)
00:26:36.329 --> 00:26:40.769
So that's already sort of a potential risk factor for use. You combine
that.

292 "Sean LeNoue" (3401171712)
00:26:40.769 --> 00:26:45.929
That with, you know, thrill seeking attention seeking behavior.

293 "Sean LeNoue" (3401171712)
00:26:45.929 --> 00:26:54.479
Along with the field goods that we just talked about of that rush of
dopamine and really? When you combine that that's that's a recipe.

294 "Sean LeNoue" (3401171712)

00:26:54.479 --> 00:26:57.869
For risk, but.

295 "Sean LeNoue" (3401171712)
00:26:57.869 --> 00:27:08.219
But often times, and certainly Dr Maloney jump in here too. You know, there there are always sort of exceptions but a lot of folks that I've worked with youth and adults rarely.

296 "Sean LeNoue" (3401171712)
00:27:08.219 --> 00:27:14.189
If ever do these individuals when we really map back their use in how things.

297 "Sean LeNoue" (3401171712)
00:27:14.189 --> 00:27:20.969
Started rarely do people ever start using with the intention of becoming addicted?

298 "Sean LeNoue" (3401171712)
00:27:20.969 --> 00:27:26.099
Um, is that fair to say Dr Maloney from your perspective? Definitely. And I.

299 "Michelle Maloney" (1320038656)
00:27:26.099 --> 00:27:31.799
Think, you know, even in the adults that we treat, right when we again track back.

300 "Michelle Maloney" (1320038656)
00:27:31.799 --> 00:27:36.179
I'd say about 90% of the adults we treat.

301 "Michelle Maloney" (1320038656)
00:27:36.179 --> 00:27:39.389
Say they started their substance use.

302 "Michelle Maloney" (1320038656)
00:27:39.389 --> 00:27:44.759
Back when they were 12,131,415.

303 "Michelle Maloney" (1320038656)
00:27:44.759 --> 00:27:48.779
You know, and I think along with this, keeping in mind that the last part of our brains.

304 "Michelle Maloney" (1320038656)
00:27:48.779 --> 00:27:53.279
To develop is our impulse control, right? So.

305 "Michelle Maloney" (1320038656)
00:27:53.279 --> 00:27:57.569
Even adolescents who have no substance use or no mental health, right?
When we.

306 "Michelle Maloney" (1320038656)
00:27:57.569 --> 00:28:01.079
Think of that normal adolescence we think of them struggling.

307 "Michelle Maloney" (1320038656)
00:28:01.079 --> 00:28:04.289
Sometimes with impulse control and from a brain.

308 "Michelle Maloney" (1320038656)
00:28:04.289 --> 00:28:09.659
That that makes complete and total sense. Yep. Yep, absolutely.

309 "Sean LeNoue" (3401171712)
00:28:09.659 --> 00:28:14.609
And so to wrap up that final piece there too, is again, that
development.

310 "Sean LeNoue" (3401171712)
00:28:19.379 --> 00:28:24.149
Last, um, and that thrill seeking behavior.

311 "Sean LeNoue" (3401171712)
00:28:24.149 --> 00:28:31.769
Individuals don't typically start with the intention of becoming
addicted, but oftentimes they'll begin this process by.

312 "Sean LeNoue" (3401171712)
00:28:31.769 --> 00:28:37.439
Chasing the high, but then as things progressed, they oftentimes find
themselves.

313 "Sean LeNoue" (3401171712)
00:28:37.439 --> 00:28:43.679
Running away from the withdrawal, especially when we think about
opiates and alcohol.

314 "Sean LeNoue" (3401171712)
00:28:43.679 --> 00:28:47.339
Um, because addiction takes over and hijacks their brains.

315 "Sean LeNoue" (3401171712)
00:28:47.339 --> 00:28:53.159
In these systems, and then they really end up using just to survive
right? In order to.

316 "Sean LeNoue" (3401171712)

00:28:53.159 --> 00:28:58.169

Feel normal in order to feel sort of somewhat balanced of.

317 "Sean LeNoue" (3401171712)

00:29:02.759 --> 00:29:05.789

That's sort of a progression over there, and I don't want to get us too far off.

318 "Sean LeNoue" (3401171712)

00:29:09.509 --> 00:29:16.709

We'll pick up the pace here. This is important, so I'm going to get into detail, but then we're going to keep going. So, this is exactly.

319 "Sean LeNoue" (3401171712)

00:29:19.739 --> 00:29:26.369

So, on this chart, uh, this is adapted from Casey and colleagues that research group we're looking at.

320 "Sean LeNoue" (3401171712)

00:29:26.369 --> 00:29:33.839

On the X axis age, over time of an individual on the Y axis we have functional.

321 "Sean LeNoue" (3401171712)

00:29:33.839 --> 00:29:37.499

And in these 2 different colors, we have the.

322 "Sean LeNoue" (3401171712)

00:29:42.329 --> 00:29:47.729

Higher level decision making, and then the brain reward circuitry.

323 "Sean LeNoue" (3401171712)

00:29:47.729 --> 00:29:51.839

And what you can see, there is kind of in that kind of blue.

324 "Sean LeNoue" (3401171712)

00:29:51.839 --> 00:29:56.429

Main vertical bar that's adolescence right? So.

325 "Sean LeNoue" (3401171712)

00:29:56.429 --> 00:30:00.509

The, the difference overall.

326 "Sean LeNoue" (3401171712)

00:30:03.839 --> 00:30:09.299

Of the brain reward circuitry at that time, which is like, more and more and more now.

327 "Sean LeNoue" (3401171712)

00:30:09.299 --> 00:30:15.419

Sir, who cares about consequences and then that Pre frontal system, which is like.

328 "Sean LeNoue" (3401171712)

00:30:15.419 --> 00:30:20.579

Steady consistent development, but, you know, it's almost exponential.

329 "Sean LeNoue" (3401171712)

00:30:20.579 --> 00:30:26.309

The development that we see in the reward circuitry, keep in mind again that frontal system is the 1. that's like.

330 "Sean LeNoue" (3401171712)

00:30:26.309 --> 00:30:31.409

The brakes slow down is this what we really want? What are the consequences.

331 "Sean LeNoue" (3401171712)

00:30:31.409 --> 00:30:35.279

You know, 1 of the long term ramifications here that of the brain.

332 "Sean LeNoue" (3401171712)

00:30:35.279 --> 00:30:39.899

Not even really nearly as sophisticated so you can see that.

333 "Sean LeNoue" (3401171712)

00:30:39.899 --> 00:30:43.919

Youth adolescence we all.

334 "Sean LeNoue" (3401171712)

00:30:43.919 --> 00:30:49.379

All at 1 point in our development are seemingly hard wired.

335 "Sean LeNoue" (3401171712)

00:30:49.379 --> 00:30:54.089

Through this phase to seek thrills.

336 "Sean LeNoue" (3401171712)

00:30:57.719 --> 00:31:03.149

Instant gratification feel good in the moment, and not really think about the consequences.

337 "Sean LeNoue" (3401171712)

00:31:03.149 --> 00:31:06.299

So, moving on, um, 1 of my last.

338 "Sean LeNoue" (3401171712)

00:31:09.449 --> 00:31:16.469

Looking at cannabis use and really, it's an overlay of functional

domains of the brain.

339 "Sean LeNoue" (3401171712)

00:31:16.469 --> 00:31:22.859

And then, so you can see in those different areas that are highlighted in different colors and the.

340 "Sean LeNoue" (3401171712)

00:31:22.859 --> 00:31:27.659

Created responsibilities that we see in those parts of the brain, the yellow.

341 "Sean LeNoue" (3401171712)

00:31:27.659 --> 00:31:32.249

Let's represent the relative concentration of.

342 "Sean LeNoue" (3401171712)

00:31:36.779 --> 00:31:43.679

We'll have in our brains so why is this important? Because when these receptors are stimulated um.

343 "Sean LeNoue" (3401171712)

00:31:43.679 --> 00:31:49.379

They, they have an effect and these and their effect can vary based on.

344 "Sean LeNoue" (3401171712)

00:31:49.379 --> 00:31:55.979

On the location that threaten our brains so we see that there's a relatively high concentration.

345 "Sean LeNoue" (3401171712)

00:31:55.979 --> 00:31:59.699

And the prefrontal cortex, we see that, you know, the area of our.

346 "Sean LeNoue" (3401171712)

00:32:04.199 --> 00:32:07.349

Coordination from the cerebellum, those all have.

347 "Sean LeNoue" (3401171712)

00:32:10.649 --> 00:32:16.289

So, when we use, we would expect that through stimulation of those areas.

348 "Sean LeNoue" (3401171712)

00:32:16.289 --> 00:32:21.119

That there may be impairment or an impact on the normal function of those areas.

349 "Sean LeNoue" (3401171712)

00:32:21.119 --> 00:32:26.369

When we continue to use progressively, and consistently, we can see.

350 "Sean LeNoue" (3401171712)

00:32:26.369 --> 00:32:32.429

Start to see negative impact overall in the baseline level of functioning of these areas.

351 "Sean LeNoue" (3401171712)

00:32:32.429 --> 00:32:40.199

Yes, and tying it all together and then I'll turn it over to Dr for the next section is why is this important? Well.

352 "Sean LeNoue" (3401171712)

00:32:40.199 --> 00:32:43.889

Um, back to the next, the previous slide plays. Really? This is.

353 "Sean LeNoue" (3401171712)

00:32:47.849 --> 00:32:50.999

When we think about this in the snapshot of.

354 "Sean LeNoue" (3401171712)

00:32:50.999 --> 00:32:59.309

Time of adolescence, we can't forget that these areas are continuing to develop and grow.

355 "Sean LeNoue" (3401171712)

00:32:59.309 --> 00:33:03.779

Cannabinoid receptors are also involved with a naturally occurring.

356 "Sean LeNoue" (3401171712)

00:33:03.779 --> 00:33:07.109

Process of Synaptic pruning meaning.

357 "Sean LeNoue" (3401171712)

00:33:07.109 --> 00:33:11.039

We are born and develop an abundance.

358 "Sean LeNoue" (3401171712)

00:33:11.039 --> 00:33:16.439

Of neurons in our brains, more than we're ever going to really end up needing. And what we do is.

359 "Sean LeNoue" (3401171712)

00:33:19.589 --> 00:33:24.569

The, the pathways that are maybe not as strong or sophisticated or beneficial.

360 "Sean LeNoue" (3401171712)

00:33:24.569 --> 00:33:29.099

And you really strengthen those signal pathways through repetition.

361 "Sean LeNoue" (3401171712)

00:33:29.099 --> 00:33:35.369

And in other in other practices that are really important and vital to functioning.

362 "Sean LeNoue" (3401171712)

00:33:35.369 --> 00:33:41.369

When you stimulate these receptors in part to the use of marijuana, we start to see more in.

363 "Sean LeNoue" (3401171712)

00:33:41.369 --> 00:33:46.649

Discriminant pruning meaning that that different pathways, even if they're really vital important.

364 "Sean LeNoue" (3401171712)

00:33:46.649 --> 00:33:54.359

Are proved indiscriminately and that can have longer term effects on cognitive, functioning, both executive, functioning.

365 "Sean LeNoue" (3401171712)

00:33:54.359 --> 00:33:58.499

Memory coordination and the, like, so with that, I'll turn it over to.

366 "Michelle Maloney" (1320038656)

00:34:02.189 --> 00:34:06.809

Dr. so as Dr mentioned, right?

367 "Michelle Maloney" (1320038656)

00:34:06.809 --> 00:34:10.169

We, we all know adolescence, they grow up.

368 "Michelle Maloney" (1320038656)

00:34:10.169 --> 00:34:14.489

They make decisions some decisions are good. Some decisions maybe.

369 "Michelle Maloney" (1320038656)

00:34:14.489 --> 00:34:19.379

Not so good, you know, and as a parent we really want, or at least I did as a.

370 "Michelle Maloney" (1320038656)

00:34:19.379 --> 00:34:22.859

Wanted to know the right way to do things. Right I wanted.

371 "Michelle Maloney" (1320038656)

00:34:22.859 --> 00:34:27.539

Wanted somebody to give me that manual and so next slide please.

372 "Michelle Maloney" (1320038656)
00:34:27.539 --> 00:34:31.049
Unfortunately, there really is no manual.

373 "Michelle Maloney" (1320038656)
00:34:31.049 --> 00:34:37.019
And, you know, the difference between experimentation and problematic use right? The answer's very common.

374 "Michelle Maloney" (1320038656)
00:34:37.019 --> 00:34:40.289
Plex and it may differ from individual.

375 "Michelle Maloney" (1320038656)
00:34:40.289 --> 00:34:44.219
To individuals, so as a parent as a provider.

376 "Michelle Maloney" (1320038656)
00:34:44.219 --> 00:34:47.759
Really focusing on that individual.

377 "Michelle Maloney" (1320038656)
00:34:47.759 --> 00:34:51.299
That's in front of you right? So, some potential.

378 "Michelle Maloney" (1320038656)
00:34:51.299 --> 00:34:55.709
Factors to consider, you know, has the child changed.

379 "Michelle Maloney" (1320038656)
00:34:55.709 --> 00:34:59.339
Right. Do they have different friends? Do they have different interest rate?

380 "Michelle Maloney" (1320038656)
00:34:59.339 --> 00:35:03.299
Are there any changes, you know, and part of.

381 "Michelle Maloney" (1320038656)
00:35:03.299 --> 00:35:10.019
Of trying to decide this is also our culture rate geographically across the United States.

382 "Michelle Maloney" (1320038656)
00:35:10.019 --> 00:35:14.129
Culture becomes an impact rate. We know that the Northeast.

383 "Michelle Maloney" (1320038656)
00:35:14.129 --> 00:35:19.169

Is very different than, let's say, California or the Midwest.

384 "Michelle Maloney" (1320038656)

00:35:19.169 --> 00:35:22.529

Um, our ethnic heritage.

385 "Michelle Maloney" (1320038656)

00:35:22.529 --> 00:35:25.919

May have an impact, you know, how do we view.

386 "Michelle Maloney" (1320038656)

00:35:25.919 --> 00:35:29.519

Substances is alcohol more permissive or less.

387 "Michelle Maloney" (1320038656)

00:35:29.519 --> 00:35:32.579

Some of the other things to.

388 "Michelle Maloney" (1320038656)

00:35:32.579 --> 00:35:37.439

Build also, um, is, you know, being a.

389 "Michelle Maloney" (1320038656)

00:35:37.439 --> 00:35:40.859

An adolescent during, you know, early ages.

390 "Michelle Maloney" (1320038656)

00:35:40.859 --> 00:35:45.179

Stock right we may think about well, you know, I use substances maybe as.

391 "Michelle Maloney" (1320038656)

00:35:45.179 --> 00:35:54.299

As during Woodstock, in that time, you know, 1 of the things for us to think about is also the change in substances. Right? So we know.

392 "Michelle Maloney" (1320038656)

00:35:54.299 --> 00:35:59.069

The marijuana nowadays THC very different.

393 "Michelle Maloney" (1320038656)

00:35:59.069 --> 00:36:02.819

The ability of marijuana again very different.

394 "Michelle Maloney" (1320038656)

00:36:02.819 --> 00:36:06.959

So, has the shell become more preoccupied with that?

395 "Michelle Maloney" (1320038656)

00:36:06.959 --> 00:36:10.679

Culture maybe changing clothing.

396 "Michelle Maloney" (1320038656)

00:36:10.679 --> 00:36:16.439

Different music, whatever that may be that represents that sort of drug culture.

397 "Michelle Maloney" (1320038656)

00:36:16.439 --> 00:36:21.569

In your area again as Dr mentioned the functional impairment.

398 "Michelle Maloney" (1320038656)

00:36:21.569 --> 00:36:26.009

Right. Have we seen any changes in grades or relationships or.

399 "Michelle Maloney" (1320038656)

00:36:26.009 --> 00:36:30.599

Have they become more isolated and that's not to say that they're.

400 "Michelle Maloney" (1320038656)

00:36:30.599 --> 00:36:34.319

Using substances, it could be a mental health disorder, and as we.

401 "Michelle Maloney" (1320038656)

00:36:34.319 --> 00:36:39.299

From Dr, new, sometimes, mental health orders, or most of the time.

402 "Michelle Maloney" (1320038656)

00:36:39.299 --> 00:36:42.389

You know, substitutes and mental health disorders, go.

403 "Michelle Maloney" (1320038656)

00:36:42.389 --> 00:36:47.459

And in hand at times, and then looking at what's the frequency.

404 "Michelle Maloney" (1320038656)

00:36:47.459 --> 00:36:50.759

You know, consistency or duration of the substance use right?

405 "Michelle Maloney" (1320038656)

00:36:50.759 --> 00:36:54.089

How often are they using? What substance are they.

406 "Michelle Maloney" (1320038656)

00:36:54.089 --> 00:37:00.329

Using is that 1 of those things may be you as an adult when you think about I'm a social drinker.

407 "Michelle Maloney" (1320038656)

00:37:00.329 --> 00:37:04.169

Right how often are you drinking? Um, it's it's not something.

408 "Michelle Maloney" (1320038656)

00:37:04.169 --> 00:37:07.499

That consumes your life and so very much the.

409 "Michelle Maloney" (1320038656)

00:37:07.499 --> 00:37:10.529

Trying to to that same thought process.

410 "Michelle Maloney" (1320038656)

00:37:10.529 --> 00:37:16.649

Here next slide please some other factors to consider.

411 "Michelle Maloney" (1320038656)

00:37:16.649 --> 00:37:20.609

Is does anyone have concerns, you know, have they any.

412 "Michelle Maloney" (1320038656)

00:37:20.609 --> 00:37:24.629

Have teachers maybe a principal, as somebody told you.

413 "Michelle Maloney" (1320038656)

00:37:24.629 --> 00:37:29.969

Something that they're concerned about the child or the adolescent using substance.

414 "Michelle Maloney" (1320038656)

00:37:29.969 --> 00:37:33.689

Says right. Um, as a friend, maybe 1 of their.

415 "Michelle Maloney" (1320038656)

00:37:33.689 --> 00:37:37.079

Friends told you right so does anyone.

416 "Michelle Maloney" (1320038656)

00:37:37.079 --> 00:37:41.129

Expressed any concerns and then the last factor to consider.

417 "Michelle Maloney" (1320038656)

00:37:41.129 --> 00:37:44.999

There is, you know what substance may they be using.

418 "Michelle Maloney" (1320038656)

00:37:44.999 --> 00:37:48.899

So we know that typically, adolescence tend.

419 "Michelle Maloney" (1320038656)

00:37:48.899 --> 00:37:53.429

Experiment with, you know, vaping nowadays, alcohol.

420 "Michelle Maloney" (1320038656)
00:37:53.429 --> 00:37:56.819
Paul and marijuana typically outside of that.

421 "Michelle Maloney" (1320038656)
00:37:56.819 --> 00:38:00.419
Well, it's probably not normal experimentation.

422 "Michelle Maloney" (1320038656)
00:38:00.419 --> 00:38:04.319
You know, as Dr. Lynn, you mentioned, we don't wake up 1 day and say, you know, I.

423 "Michelle Maloney" (1320038656)
00:38:04.319 --> 00:38:08.339
I want to have a substance use disorder or.

424 "Michelle Maloney" (1320038656)
00:38:08.339 --> 00:38:11.490
You know, I don't want, you know, I want to have an addiction.

425 "Michelle Maloney" (1320038656)
00:38:11.490 --> 00:38:14.940
Right. Most experimentation does not involve.

426 "Michelle Maloney" (1320038656)
00:38:14.940 --> 00:38:18.000
Substances such as.

427 "Michelle Maloney" (1320038656)
00:38:18.000 --> 00:38:21.270
Or opioids or methamphetamine.

428 "Michelle Maloney" (1320038656)
00:38:21.270 --> 00:38:25.590
Right and definitely if there's any injections and.

429 "Michelle Maloney" (1320038656)
00:38:25.590 --> 00:38:32.610
It is beyond experimentation and if there's risky behaviors involved, so we may look at.

430 "Michelle Maloney" (1320038656)
00:38:32.610 --> 00:38:37.290
Prostitution sometimes, you know, we may not want to think about.

431 "Michelle Maloney" (1320038656)
00:38:37.290 --> 00:38:42.750
Are out of lessons, but what are they doing to get the substance?

Right? And so.

432 "Michelle Maloney" (1320038656)

00:38:42.750 --> 00:38:48.090

For example, 1 of the adolescence, I'm currently treating she prostitutes to get.

433 "Michelle Maloney" (1320038656)

00:38:48.090 --> 00:38:51.480

The substances that is beyond.

434 "Michelle Maloney" (1320038656)

00:38:51.480 --> 00:38:55.860

Experimentation, so again, how are they, how are they acquiring those.

435 "Michelle Maloney" (1320038656)

00:38:55.860 --> 00:38:59.100

Instances, either the money to acquire, or the actual.

436 "Michelle Maloney" (1320038656)

00:38:59.100 --> 00:39:03.630

Instance itself next slide please.

437 "Sean LeNoue" (3401171712)

00:39:06.660 --> 00:39:13.140

All right, we're gonna talk here about some cognitive symptoms associated with substance use disorders and really? What it what it it.

438 "Sean LeNoue" (3401171712)

00:39:13.140 --> 00:39:19.920

Comes down to, is it depends, but certainly more specifically than that, depending on the type of substance use.

439 "Sean LeNoue" (3401171712)

00:39:19.920 --> 00:39:27.720

That's being consumed or or coming into play, we can see a variety of different symptoms so with stimulants.

440 "Sean LeNoue" (3401171712)

00:39:27.720 --> 00:39:33.150

In in an intoxicated state, we would expect that individuals are going to.

441 "Sean LeNoue" (3401171712)

00:39:36.480 --> 00:39:40.560

Very sporadic impulsive behaviours, whereas.

442 "Sean LeNoue" (3401171712)

00:39:40.560 --> 00:39:46.110

With opioids different sedatives, like benzodiazepines.

443 "Sean LeNoue" (3401171712)

00:39:46.110 --> 00:39:49.530

barbiturates alcohol that.

444 "Sean LeNoue" (3401171712)

00:39:49.530 --> 00:39:54.780

You know, that we would expect individuals, especially as become more impaired and intoxicated.

445 "Sean LeNoue" (3401171712)

00:39:54.780 --> 00:39:58.140

To have lowered energy, slurred speech.

446 "Sean LeNoue" (3401171712)

00:39:58.140 --> 00:40:01.560

Decrease interaction, decreased impulsivity over.

447 "Sean LeNoue" (3401171712)

00:40:01.560 --> 00:40:05.430

For all, um, and then typically while not.

448 "Sean LeNoue" (3401171712)

00:40:05.430 --> 00:40:16.770

Always true, but oftentimes the withdrawal period tends to be a bit of kind of the opposite of what the intoxication period looks like. So.

449 "Sean LeNoue" (3401171712)

00:40:16.770 --> 00:40:22.470

Stimulants high energy, high impulsivity, high mood, heightened mood.

450 "Sean LeNoue" (3401171712)

00:40:22.470 --> 00:40:27.690

We typically see, the individuals are tired, low mood or depression right? Um.

451 "Sean LeNoue" (3401171712)

00:40:27.690 --> 00:40:32.850

Not a lot of energy or motivation and then, you know, conversely.

452 "Sean LeNoue" (3401171712)

00:40:35.940 --> 00:40:44.820

Um, are definitely in an alcohol use more jittery, withdraw from sedatives specifically alcohol.

453 "Sean LeNoue" (3401171712)

00:40:44.820 --> 00:40:49.140

And barbiturates benzodiazepines can be deadly.

454 "Sean LeNoue" (3401171712)

00:40:49.140 --> 00:40:54.390

Can be life threatening because of seizures potentially associated with.

455 "Sean LeNoue" (3401171712)

00:40:54.390 --> 00:40:58.440

Withdrawal on that depends a bit on the individual and any medical.

456 "Sean LeNoue" (3401171712)

00:41:03.330 --> 00:41:09.840

But, you know, really what I would say more than anything else is that if you see something, or you're a concern.

457 "Sean LeNoue" (3401171712)

00:41:09.840 --> 00:41:17.100

It may not mean that obviously that they're intoxicated it may not mean that they may have a full blown substance use disorder. But if, if there's.

458 "Sean LeNoue" (3401171712)

00:41:17.100 --> 00:41:21.990

Different behaviors or erratic behaviors, especially in youth.

459 "Sean LeNoue" (3401171712)

00:41:25.170 --> 00:41:31.680

Next slide please. All right again.

460 "Sean LeNoue" (3401171712)

00:41:36.150 --> 00:41:42.660

You know, we're really watching for changes overall so declining academic performance.

461 "Sean LeNoue" (3401171712)

00:41:42.660 --> 00:41:45.690

Changing peer group decreased participation.

462 "Sean LeNoue" (3401171712)

00:41:45.690 --> 00:41:51.390

And of sorts decreased interest overall changing attitudes and behaviors.

463 "Sean LeNoue" (3401171712)

00:41:51.390 --> 00:41:57.900

When we start to see someone, you know, kind of, quote unquote, falling out of life, or not really following through with.

464 "Sean LeNoue" (3401171712)

00:42:01.650 --> 00:42:07.110

Wow, that does not mean exclusively that, that it's related to a

substance use disorder.

465 "Sean LeNoue" (3401171712)

00:42:07.110 --> 00:42:12.180

It's certainly something that would you want to keep on your differential, especially during this stage.

466 "Sean LeNoue" (3401171712)

00:42:12.180 --> 00:42:19.230

A development and someone's life next slide please what we have here so.

467 "Sean LeNoue" (3401171712)

00:42:23.430 --> 00:42:27.480

Really we've said this already, but really just kind of hearkening back to.

468 "Sean LeNoue" (3401171712)

00:42:27.480 --> 00:42:33.180

You know, you need to treat issues at the same time because if you try to go after 1 versus the other.

469 "Sean LeNoue" (3401171712)

00:42:33.180 --> 00:42:37.740

There could be a bit of a whack, a mole or Teeter tottering effect where, you know, anxiety.

470 "Sean LeNoue" (3401171712)

00:42:43.380 --> 00:42:46.620

So, on and so forth, um, we really know.

471 "Sean LeNoue" (3401171712)

00:42:46.620 --> 00:42:55.260

So, as well kind of along with that pathway that treatment in 1 domain versus the other can sometimes exacerbate those symptoms and really, you.

472 "Sean LeNoue" (3401171712)

00:42:58.710 --> 00:43:03.810

Of the symptoms and cause a repeat of cycle. Um, and then also.

473 "Sean LeNoue" (3401171712)

00:43:03.810 --> 00:43:08.580

Kind of vice versa. So, mental health versus substance use. They really feed into 1.

474 "Sean LeNoue" (3401171712)

00:43:08.580 --> 00:43:13.680

Another next slide treatment.

475 "Sean LeNoue" (3401171712)

00:43:13.680 --> 00:43:18.480

So, we're going to give an overview of some evidence based treatment options on the next slide here. Please.

476 "Sean LeNoue" (3401171712)

00:43:18.480 --> 00:43:23.700

And really, it's a multifaceted approach overall while treatment is.

477 "Sean LeNoue" (3401171712)

00:43:27.960 --> 00:43:32.460

Issues especially s, moderate to severe Co occurring issues. You're going to really.

478 "Sean LeNoue" (3401171712)

00:43:32.460 --> 00:43:39.960

Oftentimes want to evaluate and assess the appropriateness for a variety of modalities of treatment at the same time.

479 "Sean LeNoue" (3401171712)

00:43:39.960 --> 00:43:48.720

So, again, we're not going to jump to that for everyone. Every time we're going to do a thorough assessment. Understand what's really happening. Try to understand the why.

480 "Sean LeNoue" (3401171712)

00:43:48.720 --> 00:43:55.320

And then, in cases where there's Co, morbid Co occurring, significant mental health substance use disorders.

481 "Sean LeNoue" (3401171712)

00:43:55.320 --> 00:43:59.970

We know that really robust intensive psychotherapy along with.

482 "Sean LeNoue" (3401171712)

00:44:05.310 --> 00:44:10.530

Along with contingency management, which is an evidence based modality of really.

483 "Sean LeNoue" (3401171712)

00:44:14.250 --> 00:44:20.040

Positive for social behaviors, um, and then supports within the community so with psychotherapy.

484 "Sean LeNoue" (3401171712)

00:44:20.040 --> 00:44:23.040

It's here you can see it, but just.

485 "Sean LeNoue" (3401171712)

00:44:23.040 --> 00:44:30.750

To reiterate cognitive, behavioral therapy, dialectical, behavioral therapy motivational interviewing are the cornerstones of what we do.

486 "Sean LeNoue" (3401171712)

00:44:30.750 --> 00:44:33.810

And has some of the highest quality of evidence.

487 "Sean LeNoue" (3401171712)

00:44:33.810 --> 00:44:39.180

And treating the individual, but again, really going after the symptoms and issues that they're facing.

488 "Sean LeNoue" (3401171712)

00:44:39.180 --> 00:44:46.530

Medications are a variety of FDA approved medications, not only for mental health, but substance use disorder issues. Um.

489 "Sean LeNoue" (3401171712)

00:44:46.530 --> 00:44:52.830

Definitely adults, certainly mental health concerns in adolescence and there are.

490 "Sean LeNoue" (3401171712)

00:44:52.830 --> 00:44:57.600

Some FDA approved medications and adolescence our goal on our.

491 "Sean LeNoue" (3401171712)

00:44:57.600 --> 00:45:04.890

Is again, prevention and identification early so that symptoms haven't progressed to a severe state.

492 "Sean LeNoue" (3401171712)

00:45:04.890 --> 00:45:09.540

But sometimes medications are warranted and evidence based and shown to be.

493 "Sean LeNoue" (3401171712)

00:45:09.540 --> 00:45:13.200

Saving even in adolescence, so yeah.

494 "Sean LeNoue" (3401171712)

00:45:19.830 --> 00:45:25.920

Again, in summary, these issues are pervasive, we know that there's limited access to resources.

495 "Sean LeNoue" (3401171712)

00:45:25.920 --> 00:45:37.380

They, you know, when Co, occurring issues occur, they can become more complicated, more intertwined and more difficult to treat. So when treatment is warranted, it's really.

496 "Sean LeNoue" (3401171712)

00:45:37.380 --> 00:45:42.780

Important again to best treatment is prevention, but when you're treating also to try to treat.

497 "Sean LeNoue" (3401171712)

00:45:42.780 --> 00:45:46.050

As many if not all issues concurrently.

498 "Sean LeNoue" (3401171712)

00:45:46.050 --> 00:45:56.250

We always want to engage family and social supports whenever possible and whenever appropriate. Um, and we also, this is a kind of a pause.

499 "Sean LeNoue" (3401171712)

00:45:56.250 --> 00:46:00.090

To remind us that these, you know, substance uses.

500 "Sean LeNoue" (3401171712)

00:46:03.090 --> 00:46:12.330

These are not moral failings, and at this point in time, even with advancements in the field, we know that these illnesses are chronic.

501 "Sean LeNoue" (3401171712)

00:46:12.330 --> 00:46:16.830

relapsing remitting issues and so to relax.

502 "Sean LeNoue" (3401171712)

00:46:16.830 --> 00:46:20.430

Is the norm we're not celebrating relapse we're not giving.

503 "Sean LeNoue" (3401171712)

00:46:20.430 --> 00:46:25.320

But also, we're not throwing in the towel, right? Like, when a relapse happens.

504 "Sean LeNoue" (3401171712)

00:46:25.320 --> 00:46:31.590

It's, it's really all about. What do you do next? How are we learning from this? What are we going to do to be better prepared next time?

505 "Sean LeNoue" (3401171712)

00:46:31.590 --> 00:46:36.600

Because we're recovery and change does happen and it may just happen that next.

506 "Sean LeNoue" (3401171712)

00:46:36.600 --> 00:46:41.760

Cycle right so never giving up. And then again, prevention really

being paramount.

507 "Sean LeNoue" (3401171712)

00:46:41.760 --> 00:46:44.910

To everything here on the next slide, you'll see.

508 "Sean LeNoue" (3401171712)

00:46:48.480 --> 00:46:55.290

And use, these are excellent resources through samssa and nighta and then I think that's it. So.

509 "Sean LeNoue" (3401171712)

00:46:55.290 --> 00:47:00.660

We're a little bit over time for the presentation piece, but we definitely have time for Q and a. so we'll open it up.

510 "Jordan nielsen" (1606643712)

00:47:05.670 --> 00:47:08.820

Thank you so much for all of this great information.

511 "Jordan nielsen" (1606643712)

00:47:08.820 --> 00:47:13.590

We will move over into our Q and a portion of the presentation.

512 "Jordan nielsen" (1606643712)

00:47:13.590 --> 00:47:19.710

You can continue to submit questions, but we'll answer as many as we have time for today.

513 "Jordan nielsen" (1606643712)

00:47:19.710 --> 00:47:23.130

Um, so our 1st question today is.

514 "Jordan nielsen" (1606643712)

00:47:23.130 --> 00:47:32.520

What age would it be appropriate to start educating children on substance abuse substance use disorders.

515 "Michelle Maloney" (1320038656)

00:47:32.520 --> 00:47:35.760

I'll start Dr renew and then feel free to chime in.

516 "Michelle Maloney" (1320038656)

00:47:35.760 --> 00:47:41.520

So, um, from my my professional opinion, it's never too early.

517 "Michelle Maloney" (1320038656)

00:47:41.520 --> 00:47:47.250

Um, in fact, we have children's programs because particularly we know that substance use.

518 "Michelle Maloney" (1320038656)
00:47:47.250 --> 00:47:51.300
They're running families there is some genetic predisposition and.

519 "Michelle Maloney" (1320038656)
00:47:51.300 --> 00:47:58.200
So, when we think about even a 4, a 5 year old, maybe they're living in a home where someone has a substance use.

520 "Michelle Maloney" (1320038656)
00:47:58.200 --> 00:48:01.920
Order maybe they're in recovery. It has impacted them.

521 "Michelle Maloney" (1320038656)
00:48:01.920 --> 00:48:07.140
And so giving them a place to have that conversation about how it's impacted them.

522 "Michelle Maloney" (1320038656)
00:48:07.140 --> 00:48:12.270
And there are some great resources out there from Sam, regarding.

523 "Michelle Maloney" (1320038656)
00:48:12.270 --> 00:48:16.350
And children understand, and there's also some great children's books.

524 "Sean LeNoue" (3401171712)
00:48:20.070 --> 00:48:27.720
Totally agree. Thank you. Dr, thank you. Our next question is.

525 "Jordan nielsen" (1606643712)
00:48:27.720 --> 00:48:35.370
Um, can the damage that's been done on the brain with substance use been adolescence, be reversed.

526 "Sean LeNoue" (3401171712)
00:48:35.370 --> 00:48:40.980
Um, absolutely and it depends. Um, it depends on.

527 "Sean LeNoue" (3401171712)
00:48:40.980 --> 00:48:48.810
The type of substance use, because different substances affect the brain in different ways. It also so it depends on type.

528 "Sean LeNoue" (3401171712)
00:48:48.810 --> 00:48:53.010
It depends on how long they've used it in part could depend.

529 "Sean LeNoue" (3401171712)

00:48:53.010 --> 00:48:58.530

On the amount that they've used and how consistently especially at higher amounts. I mean, we know.

530 "Sean LeNoue" (3401171712)

00:48:58.530 --> 00:49:02.430

That, for example, inhalants are.

531 "Sean LeNoue" (3401171712)

00:49:02.430 --> 00:49:06.330

Um, volatile and.

532 "Sean LeNoue" (3401171712)

00:49:11.730 --> 00:49:14.760

If you will, um, the, the, the.

533 "Sean LeNoue" (3401171712)

00:49:18.870 --> 00:49:24.090

Send messages and these electrical impulses um.

534 "Sean LeNoue" (3401171712)

00:49:24.090 --> 00:49:27.390

So, inhalants can actually go in.

535 "Sean LeNoue" (3401171712)

00:49:27.390 --> 00:49:33.150

In there and destroy the fat insulation around those neurons and oftentimes we find that.

536 "Sean LeNoue" (3401171712)

00:49:33.150 --> 00:49:39.300

That doesn't come back, or when it does, depending on the the, the degree of damage.

537 "Sean LeNoue" (3401171712)

00:49:39.300 --> 00:49:42.990

It may not come all the way back if it comes back at all. Um, also.

538 "Sean LeNoue" (3401171712)

00:49:48.600 --> 00:49:55.140

All kinds of solvents and a lot of nasty chemicals in there that frankly can burn.

539 "Sean LeNoue" (3401171712)

00:49:55.140 --> 00:50:01.230

The holes, I mean, we see it on MRI imaging of the brain of just kind of, you know, eating away.

540 "Sean LeNoue" (3401171712)

00:50:05.250 --> 00:50:12.480

Marijuana it depends while we don't see the same sort of extreme, effectively burning holes per se I did.

541 "Sean LeNoue" (3401171712)

00:50:12.480 --> 00:50:16.680

Uh, go over earlier about how it can affect the connections.

542 "Sean LeNoue" (3401171712)

00:50:16.680 --> 00:50:20.430

Within our brain with neurons and and really.

543 "Sean LeNoue" (3401171712)

00:50:24.810 --> 00:50:32.250

Highly potent products for a long, long time, and they seemingly don't have cognitive effects. We see other people who may be used less.

544 "Sean LeNoue" (3401171712)

00:50:32.250 --> 00:50:35.670

And have more profound and severe effects. It could be because.

545 "Sean LeNoue" (3401171712)

00:50:40.410 --> 00:50:49.890

It could just be sort of biological makeup. It could be other factors. We don't totally know. And so that's another piece of the message here too is.

546 "Sean LeNoue" (3401171712)

00:50:49.890 --> 00:50:57.930

It's a bit of a gamble and you don't know how much is too much and so yeah, the answer is.

547 "Sean LeNoue" (3401171712)

00:50:57.930 --> 00:51:05.460

You know, some of the the effects could be reversible. Some may not. Thank you.

548 "Jordan nielsen" (1606643712)

00:51:05.460 --> 00:51:10.770

The next question is, how can parents get guidance if they're afraid of reaching out to.

549 "Jordan nielsen" (1606643712)

00:51:10.770 --> 00:51:14.310

Cool for support, which would potentially get their child.

550 "Jordan nielsen" (1606643712)

00:51:14.310 --> 00:51:19.200

In trouble, I think there's a lot of.

551 "Michelle Maloney" (1320038656)

00:51:19.200 --> 00:51:25.110

Of good resources out there, as I mentioned earlier, you know, depending on the.

552 "Michelle Maloney" (1320038656)

00:51:25.110 --> 00:51:28.770

There's some children's books out there as Dr.

553 "Michelle Maloney" (1320038656)

00:51:28.770 --> 00:51:32.400

Mentioned Sasha and nada, even.

554 "Michelle Maloney" (1320038656)

00:51:32.400 --> 00:51:36.720

Um, right they have a lot of resources that you.

555 "Michelle Maloney" (1320038656)

00:51:36.720 --> 00:51:41.220

Can call, or even go online and look at.

556 "Michelle Maloney" (1320038656)

00:51:41.220 --> 00:51:45.030

Yeah, um, if you're, you know, depending on what kind of.

557 "Michelle Maloney" (1320038656)

00:51:45.030 --> 00:51:48.150

The resources you're looking for, you know, there's a lot of.

558 "Michelle Maloney" (1320038656)

00:51:48.150 --> 00:51:52.170

Even al anon, alateen.

559 "Michelle Maloney" (1320038656)

00:51:52.170 --> 00:51:55.590

In in, you know, across the country.

560 "Michelle Maloney" (1320038656)

00:51:55.590 --> 00:52:01.530

You know, and sometimes, you know, looking at an outpatient therapist, right? Or having.

561 "Michelle Maloney" (1320038656)

00:52:01.530 --> 00:52:04.950

In that conversation with the primary care physician.

562 "Michelle Maloney" (1320038656)

00:52:04.950 --> 00:52:09.720

Right, if you're at a lesson as an annual physical, having that conversation with.

563 "Michelle Maloney" (1320038656)

00:52:09.720 --> 00:52:13.170

Your primary care physician to get the conversation started.

564 "Michelle Maloney" (1320038656)

00:52:13.170 --> 00:52:17.370

You know, and I always think about even the news and how can we.

565 "Michelle Maloney" (1320038656)

00:52:17.370 --> 00:52:21.510

It was current events or what's going on that maybe you see in the news.

566 "Michelle Maloney" (1320038656)

00:52:21.510 --> 00:52:25.230

To begin that conversation over, maybe the dinner table.

567 "Michelle Maloney" (1320038656)

00:52:25.230 --> 00:52:28.950

You know, again, just opening that conversation.

568 "Michelle Maloney" (1320038656)

00:52:28.950 --> 00:52:41.610

And letting the adolescent know that you're there to listen Alrighty, I think we have time for 1.

569 "Jordan nielsen" (1606643712)

00:52:41.610 --> 00:52:45.840

Question here, how can parents monitors.

570 "Jordan nielsen" (1606643712)

00:52:45.840 --> 00:52:49.110

Teams when teams are getting the drug.

571 "Jordan nielsen" (1606643712)

00:52:49.110 --> 00:52:58.020

Cool. Or they thing in the school bathroom. Dr Linda, you wanted.

572 "Sean LeNoue" (3401171712)

00:52:58.020 --> 00:53:02.610

Take that 1 yeah, I mean, it's a tough it's a tough 1. there's no doubt.

573 "Sean LeNoue" (3401171712)

00:53:02.610 --> 00:53:08.040

There are, there are definitely options. Um, but again, this is where kind of.

574 "Sean LeNoue" (3401171712)

00:53:08.040 --> 00:53:11.460

I would say art meets science because it's really about.

575 "Sean LeNoue" (3401171712)

00:53:11.460 --> 00:53:14.820

Connecting with that team, um.

576 "Sean LeNoue" (3401171712)

00:53:14.820 --> 00:53:21.120

So, short and sweet, you can do drug testing and programs provide that.

577 "Sean LeNoue" (3401171712)

00:53:21.120 --> 00:53:25.260

To what I would say is.

578 "Sean LeNoue" (3401171712)

00:53:25.260 --> 00:53:28.380

Oftentimes as important if not.

579 "Sean LeNoue" (3401171712)

00:53:28.380 --> 00:53:33.330

More important important than you're in drug screen test and drug testing is.

580 "Sean LeNoue" (3401171712)

00:53:33.330 --> 00:53:38.400

Talking with the individual, right? Because they'll often tell you more. Um.

581 "Sean LeNoue" (3401171712)

00:53:38.400 --> 00:53:45.420

About what's going on than any urine drug screen, which is important and can be confirmatory.

582 "Sean LeNoue" (3401171712)

00:53:45.420 --> 00:53:49.590

Either way of use or not use, but.

583 "Sean LeNoue" (3401171712)

00:53:49.590 --> 00:53:53.940

Again to Dr malone's point earlier.

584 "Sean LeNoue" (3401171712)

00:53:53.940 --> 00:54:00.330

preventionist key, it's never too early to start talking about these things. Particularly if there's a significant family.

585 "Sean LeNoue" (3401171712)

00:54:03.990 --> 00:54:07.830

Because children and then teens, adolescents there.

586 "Sean LeNoue" (3401171712)

00:54:07.830 --> 00:54:11.880

We're picking up on it even if they don't know exactly what it is, they're picking up on it.

587 "Sean LeNoue" (3401171712)

00:54:11.880 --> 00:54:20.100

And so the more that you can educate and support and empower them to make informed safe decisions.

588 "Sean LeNoue" (3401171712)

00:54:20.100 --> 00:54:25.440

The better, um, what I would say too is a large part of.

589 "Sean LeNoue" (3401171712)

00:54:25.440 --> 00:54:31.860

This process of identification, and then if things progressed to treatment is about accountability, right? Because.

590 "Sean LeNoue" (3401171712)

00:54:31.860 --> 00:54:41.190

Because ultimately our goal in treatment, but I would argue, it's the same in life in general is about building positive Pro, social.

591 "Sean LeNoue" (3401171712)

00:54:41.190 --> 00:54:46.530

Relationships and skills, so that when temptation comes up.

592 "Sean LeNoue" (3401171712)

00:54:46.530 --> 00:54:52.080

You know, we have the ability to kind of work through that in a safe manner who we.

593 "Sean LeNoue" (3401171712)

00:54:55.350 --> 00:54:59.670

Bull is really important because, you know, it.

594 "Sean LeNoue" (3401171712)

00:54:59.670 --> 00:55:04.290

And everyone is subject to temptation.

595 "Sean LeNoue" (3401171712)

00:55:04.290 --> 00:55:09.270

And no, 1 is immune to the effects of substance use.

596 "Sean LeNoue" (3401171712)

00:55:09.270 --> 00:55:13.920

Um, and then I would say if things are kind of.

597 "Sean LeNoue" (3401171712)
00:55:17.100 --> 00:55:21.810
As tough as it may be, I wouldn't continue to worry alone.

598 "Sean LeNoue" (3401171712)
00:55:21.810 --> 00:55:25.380
And especially I would do everything you can.

599 "Sean LeNoue" (3401171712)
00:55:25.380 --> 00:55:32.250
And to have a comb supportive, but realistic conversation.

600 "Sean LeNoue" (3401171712)
00:55:32.250 --> 00:55:36.990
With the individual that you're struggling that you're concerned may be struggling and it's important.

601 "Sean LeNoue" (3401171712)
00:55:40.020 --> 00:55:43.440
Um, non judgmental and.

602 "Sean LeNoue" (3401171712)
00:55:47.130 --> 00:55:51.360
To try your best to be present with them and to be with them.

603 "Sean LeNoue" (3401171712)
00:55:51.360 --> 00:55:58.140
Because often times it is that joining and that acceptance, not that we're accepting their substance use, but.

604 "Sean LeNoue" (3401171712)
00:55:58.140 --> 00:56:01.920
Seeing them as a person, and then trying to help understand.

605 "Sean LeNoue" (3401171712)
00:56:01.920 --> 00:56:06.900
What they need and the why and helping them to move through is where.

606 "Sean LeNoue" (3401171712)
00:56:11.700 --> 00:56:17.190
At being able to connect with the individual and support them.

607 "Sean LeNoue" (3401171712)
00:56:17.190 --> 00:56:27.870
Not the substance use well, we're now at the top of the hour.

608 "Wanda russell" (3210513152)
00:56:27.870 --> 00:56:30.870
Thanks again so much Dr Maloney.

609 "Wanda russell" (3210513152)
00:56:30.870 --> 00:56:34.020
Dr renew from roger's behavioral.

610 "Wanda russell" (3210513152)
00:56:34.020 --> 00:56:40.530
This is an informative presentation for our.

611 "Wanda russell" (3210513152)
00:56:40.530 --> 00:56:43.620
Participants today there's a 5 question survey on.

612 "Wanda russell" (3210513152)
00:56:43.620 --> 00:56:48.630
Side panel, we kindly ask you to take a few moments to fill this out.

613 "Wanda russell" (3210513152)
00:56:48.630 --> 00:56:51.720
This helps to keep our seminars relevant to, you.

614 "Wanda russell" (3210513152)
00:56:51.720 --> 00:56:57.090
If you haven't already done, so feel free to listen to the replays of
the.

615 "Wanda russell" (3210513152)
00:56:57.090 --> 00:57:01.320
Your seminars and make sure to sign up for automatic email.

616 "Wanda russell" (3210513152)
00:57:01.320 --> 00:57:06.420
For our upcoming sessions be sure to mark your calendar for next month
when we have.

617 "Wanda russell" (3210513152)
00:57:06.420 --> 00:57:12.990
2 persons and long term recovery, presenting their personal
experience, utilizing a 12 step program.

618 "Wanda russell" (3210513152)
00:57:12.990 --> 00:57:17.040
That's on Wednesday, July 19th at noon. Central time. Same is today.

619 "Wanda russell" (3210513152)
00:57:17.040 --> 00:57:20.760
Our site is dot com. Backslash.

620 "Wanda russell" (3210513152)
00:57:20.760 --> 00:57:25.320
Knowledge hyphen center backslash, alcohol.

621 "Wanda russell" (3210513152)

00:57:25.320 --> 00:57:29.340

Dash and dash dash thanks everybody and have a.

622 "Wanda russell" (3210513152)

00:57:29.365 --> 00:57:30.175

Rest of your day.