

WEBVTT

NOTE duration: "00:27:21.920"

NOTE Confidence: 0.99386364

00:00:02.159 --> 00:00:04.000 So for today, we're gonna

NOTE Confidence: 0.99386364

00:00:04.000 --> 00:00:04.660 be continuing

NOTE Confidence: 0.98271835

00:00:04.960 --> 00:00:06.799 with module c that we

NOTE Confidence: 0.98271835

00:00:06.799 --> 00:00:08.180 started on last week,

NOTE Confidence: 0.9206677

00:00:08.639 --> 00:00:11.219 continuing treatment in coordinated specialty

NOTE Confidence: 0.9206677

00:00:11.280 --> 00:00:11.780 care.

NOTE Confidence: 0.836654

00:00:12.480 --> 00:00:13.380 Go to next.

NOTE Confidence: 0.9396701

00:00:19.595 --> 00:00:21.035 So as we started last

NOTE Confidence: 0.9396701

00:00:21.035 --> 00:00:22.795 week, these two sessions are

NOTE Confidence: 0.9396701

00:00:22.795 --> 00:00:24.335 really focused on covering

NOTE Confidence: 0.9653212

00:00:25.035 --> 00:00:26.635 step care in general, really

NOTE Confidence: 0.9653212

00:00:26.635 --> 00:00:27.870 the bulk of it. So

NOTE Confidence: 0.9653212

00:00:28.110 --> 00:00:30.290 talking about the structure, processes,

NOTE Confidence: 0.9653212

00:00:30.430 --> 00:00:31.490 as well as outcomes,

NOTE Confidence: 0.998854

00:00:32.190 --> 00:00:33.570 that we focus on.
NOTE Confidence: 0.97837764

00:00:34.350 --> 00:00:36.350 So last week, we started
NOTE Confidence: 0.97837764

00:00:36.350 --> 00:00:38.030 to overview those six core
NOTE Confidence: 0.97837764

00:00:38.030 --> 00:00:39.310 elements of care, which I'll
NOTE Confidence: 0.97837764

00:00:39.310 --> 00:00:40.395 remind us of,
NOTE Confidence: 0.99901307

00:00:41.275 --> 00:00:42.255 as well as introducing
NOTE Confidence: 0.9991226

00:00:42.715 --> 00:00:44.575 discussions about different processes
NOTE Confidence: 0.9465608

00:00:45.034 --> 00:00:46.715 that we engage in in
NOTE Confidence: 0.9465608

00:00:46.715 --> 00:00:47.215 our,
NOTE Confidence: 0.9290685

00:00:48.235 --> 00:00:49.215 step care model,
NOTE Confidence: 0.98216075

00:00:50.315 --> 00:00:51.195 as well as, you know,
NOTE Confidence: 0.98216075

00:00:51.195 --> 00:00:52.815 elements of kind of culture
NOTE Confidence: 0.98216075

00:00:52.875 --> 00:00:53.375 and,
NOTE Confidence: 0.99292034

00:00:54.395 --> 00:00:55.835 team cohesion and things like
NOTE Confidence: 0.99292034

00:00:55.835 --> 00:00:56.335 that.
NOTE Confidence: 0.99873674

00:00:56.850 --> 00:00:58.530 So we'll continue with those

NOTE Confidence: 0.99873674
00:00:58.530 --> 00:01:00.390 discussions today. Next.
NOTE Confidence: 0.9890244
00:01:02.930 --> 00:01:04.149 And everyone's favorite
NOTE Confidence: 0.98353946
00:01:04.530 --> 00:01:05.970 favorite image, but just to
NOTE Confidence: 0.98353946
00:01:05.970 --> 00:01:07.250 really hammer home that we'll
NOTE Confidence: 0.98353946
00:01:07.250 --> 00:01:09.170 be focusing on module c
NOTE Confidence: 0.98353946
00:01:09.170 --> 00:01:10.869 of the care pathway today.
NOTE Confidence: 0.99307775
00:01:16.895 --> 00:01:17.534 And we'll,
NOTE Confidence: 0.9996599
00:01:18.255 --> 00:01:19.615 outline these elements on the
NOTE Confidence: 0.9996599
00:01:19.615 --> 00:01:20.354 next slide.
NOTE Confidence: 0.9960309
00:01:23.055 --> 00:01:24.095 So as a reminder of
NOTE Confidence: 0.9960309
00:01:24.095 --> 00:01:25.500 what we started talking about
NOTE Confidence: 0.9200363
00:01:25.980 --> 00:01:28.459 last week, steps care model
NOTE Confidence: 0.9200363
00:01:28.459 --> 00:01:28.780 is,
NOTE Confidence: 0.97746074
00:01:29.580 --> 00:01:31.420 offers a variety and really
NOTE Confidence: 0.97746074
00:01:31.420 --> 00:01:33.520 a menu of psychosocial services
NOTE Confidence: 0.97746074

00:01:33.580 --> 00:01:34.560 for all of our,
NOTE Confidence: 0.9729331

00:01:35.500 --> 00:01:36.959 participants. So, really,
NOTE Confidence: 0.9997202

00:01:37.420 --> 00:01:38.800 this is based on
NOTE Confidence: 0.9678433

00:01:39.674 --> 00:01:41.215 folks' phase of illness,
NOTE Confidence: 0.99800617

00:01:41.915 --> 00:01:43.295 their needs, their preferences,
NOTE Confidence: 0.9841191

00:01:44.875 --> 00:01:46.235 and various other elements.
NOTE Confidence: 0.9657463

00:01:46.555 --> 00:01:48.795 So these offerings are available
NOTE Confidence: 0.9657463

00:01:48.795 --> 00:01:50.095 to everyone in the clinic.
NOTE Confidence: 0.9657463

00:01:50.395 --> 00:01:51.914 Some a bit more standard
NOTE Confidence: 0.9657463

00:01:51.914 --> 00:01:52.530 than others.
NOTE Confidence: 0.9666813

00:01:53.409 --> 00:01:55.110 But last week, we overviewed
NOTE Confidence: 0.9989959

00:01:55.890 --> 00:01:56.710 what psychotherapy
NOTE Confidence: 0.97893023

00:01:57.010 --> 00:01:57.750 looks like,
NOTE Confidence: 0.98321867

00:01:59.650 --> 00:02:01.590 support for employment and education,
NOTE Confidence: 0.9743333

00:02:02.210 --> 00:02:03.890 family support and education, as
NOTE Confidence: 0.9743333

00:02:03.890 --> 00:02:05.670 well as coordination with community

NOTE Confidence: 0.9743333
00:02:05.729 --> 00:02:07.365 supports, as well as within
NOTE Confidence: 0.9743333
00:02:07.365 --> 00:02:08.185 team coordination.
NOTE Confidence: 0.9168575
00:02:08.725 --> 00:02:09.465 So today,
NOTE Confidence: 0.862493
00:02:09.764 --> 00:02:10.665 we're gonna focus,
NOTE Confidence: 0.9945517
00:02:11.205 --> 00:02:12.264 more so on
NOTE Confidence: 0.9889885
00:02:12.565 --> 00:02:13.065 pharmacotherapy
NOTE Confidence: 0.9406016
00:02:13.525 --> 00:02:14.425 and health promotion,
NOTE Confidence: 0.9948819
00:02:15.125 --> 00:02:16.105 as well as,
NOTE Confidence: 0.95068234
00:02:16.725 --> 00:02:17.845 discussing a bit of what
NOTE Confidence: 0.95068234
00:02:17.845 --> 00:02:18.905 our kind of longitudinal
NOTE Confidence: 0.99929106
00:02:19.205 --> 00:02:19.705 evaluation
NOTE Confidence: 0.9984916
00:02:20.005 --> 00:02:21.225 process looks like.
NOTE Confidence: 0.991261
00:02:21.889 --> 00:02:22.849 So I'm gonna hand it
NOTE Confidence: 0.991261
00:02:22.849 --> 00:02:23.330 over,
NOTE Confidence: 0.8819628
00:02:23.650 --> 00:02:24.550 to doctor Sreehari
NOTE Confidence: 0.99402887

00:02:24.930 --> 00:02:26.790 to, start us off with
NOTE Confidence: 0.99402887

00:02:27.010 --> 00:02:27.510 pharmacotherapy.
NOTE Confidence: 0.9396133

00:02:29.730 --> 00:02:31.410 Thanks, Laura. And I,
NOTE Confidence: 0.98924804

00:02:31.889 --> 00:02:33.650 know that Laura had covered
NOTE Confidence: 0.98924804

00:02:33.650 --> 00:02:34.790 some of the other elements
NOTE Confidence: 0.98924804

00:02:34.849 --> 00:02:37.245 of coordinated specialty care last
NOTE Confidence: 0.98924804

00:02:37.245 --> 00:02:38.225 week. So
NOTE Confidence: 0.97093266

00:02:38.605 --> 00:02:39.885 this is really the the
NOTE Confidence: 0.97093266

00:02:39.885 --> 00:02:41.985 second session on it, and
NOTE Confidence: 0.9966876

00:02:42.764 --> 00:02:44.044 I have just a few
NOTE Confidence: 0.9966876

00:02:44.044 --> 00:02:44.544 slides,
NOTE Confidence: 0.9658261

00:02:45.565 --> 00:02:46.685 with the hope that we'll
NOTE Confidence: 0.9658261

00:02:46.685 --> 00:02:47.425 have time,
NOTE Confidence: 0.9951783

00:02:48.125 --> 00:02:49.405 after the rest of the
NOTE Confidence: 0.9951783

00:02:49.405 --> 00:02:50.305 session to
NOTE Confidence: 0.9985481

00:02:51.040 --> 00:02:52.660 take questions or have discussions

NOTE Confidence: 0.9985481
00:02:52.720 --> 00:02:54.419 about the entire module
NOTE Confidence: 0.9672583
00:02:54.720 --> 00:02:56.080 c. So all the elements,
NOTE Confidence: 0.9672583
00:02:56.080 --> 00:02:57.919 not just what we're talking
NOTE Confidence: 0.9672583
00:02:57.919 --> 00:02:58.660 about today.
NOTE Confidence: 0.96386516
00:02:59.440 --> 00:03:02.340 So for for pharmacologic treatment,
NOTE Confidence: 0.96386516
00:03:02.639 --> 00:03:03.760 it's useful to think about
NOTE Confidence: 0.96386516
00:03:03.760 --> 00:03:05.525 what their current targets are
NOTE Confidence: 0.96386516
00:03:05.525 --> 00:03:07.125 given our current evidence base.
NOTE Confidence: 0.96386516
00:03:07.125 --> 00:03:07.625 And
NOTE Confidence: 0.9590259
00:03:08.325 --> 00:03:09.764 the the major target really
NOTE Confidence: 0.9590259
00:03:09.764 --> 00:03:11.065 are the so called positive
NOTE Confidence: 0.9590259
00:03:11.125 --> 00:03:13.385 symptoms, sometimes also called psychosis,
NOTE Confidence: 0.9590259
00:03:13.605 --> 00:03:15.125 somewhat confusingly, but people are
NOTE Confidence: 0.9590259
00:03:15.125 --> 00:03:16.004 often referring to,
NOTE Confidence: 0.99559647
00:03:17.330 --> 00:03:19.590 delusions, hallucinations, and disorganization
NOTE Confidence: 0.9968737

00:03:20.770 --> 00:03:22.150 that are really the most
NOTE Confidence: 0.99977154

00:03:22.610 --> 00:03:23.110 rapidly
NOTE Confidence: 0.9442881

00:03:24.290 --> 00:03:24.530 and,
NOTE Confidence: 0.99796313

00:03:26.210 --> 00:03:28.550 routinely responsive to current antipsychotic
NOTE Confidence: 0.9990859

00:03:28.850 --> 00:03:29.350 treatment.
NOTE Confidence: 0.9949195

00:03:30.075 --> 00:03:32.014 The negative symptoms, unfortunately,
NOTE Confidence: 0.9995511

00:03:32.395 --> 00:03:33.995 we don't really have good
NOTE Confidence: 0.9995511

00:03:33.995 --> 00:03:35.455 evidence for any pharmacotherapies
NOTE Confidence: 0.9623424

00:03:35.995 --> 00:03:38.095 that reliably target these. Although
NOTE Confidence: 0.93545055

00:03:38.475 --> 00:03:39.675 in some trials and in
NOTE Confidence: 0.93545055

00:03:39.675 --> 00:03:40.955 some patients, there can be
NOTE Confidence: 0.93545055

00:03:40.955 --> 00:03:42.495 improvements in these symptoms,
NOTE Confidence: 0.999618

00:03:42.840 --> 00:03:43.879 and we can talk about
NOTE Confidence: 0.999618

00:03:43.879 --> 00:03:44.540 this more.
NOTE Confidence: 0.9879736

00:03:46.040 --> 00:03:47.720 There are cognitive deficits that
NOTE Confidence: 0.9879736

00:03:47.720 --> 00:03:49.420 we've spoken about that are,

NOTE Confidence: 0.963104

00:03:50.200 --> 00:03:51.800 a part of the illness

NOTE Confidence: 0.963104

00:03:51.800 --> 00:03:53.640 from many individuals with chronic

NOTE Confidence: 0.963104

00:03:53.640 --> 00:03:54.700 psychotic disorders

NOTE Confidence: 0.89740884

00:03:55.255 --> 00:03:57.115 for which so far pharmacotherapies

NOTE Confidence: 0.9728036

00:03:57.815 --> 00:03:59.975 are not a reliable tool.

NOTE Confidence: 0.9728036

00:04:00.215 --> 00:04:02.315 There are several in development,

NOTE Confidence: 0.9728036

00:04:02.455 --> 00:04:04.055 but since we're speaking here

NOTE Confidence: 0.9728036

00:04:04.055 --> 00:04:06.375 about what's available for current

NOTE Confidence: 0.9728036

00:04:06.375 --> 00:04:08.535 application in coordinated specialty care,

NOTE Confidence: 0.9728036

00:04:08.535 --> 00:04:09.755 I've grayed that out.

NOTE Confidence: 0.97008425

00:04:10.750 --> 00:04:12.830 And then finally, broadly, affective

NOTE Confidence: 0.97008425

00:04:12.830 --> 00:04:15.069 dysregulation. So depressive and manic

NOTE Confidence: 0.97008425

00:04:15.069 --> 00:04:16.770 symptoms can be part of

NOTE Confidence: 0.9925408

00:04:17.070 --> 00:04:19.470 the syndrome of schizophrenia spectrum

NOTE Confidence: 0.9925408

00:04:19.470 --> 00:04:19.970 disorders.

NOTE Confidence: 0.9911555

00:04:20.830 --> 00:04:21.650 And here,
NOTE Confidence: 0.9896738

00:04:22.190 --> 00:04:22.690 antipsychotic
NOTE Confidence: 0.9991787

00:04:23.229 --> 00:04:23.729 medications
NOTE Confidence: 0.985601

00:04:24.029 --> 00:04:25.089 can actually help,
NOTE Confidence: 0.92802

00:04:25.470 --> 00:04:25.970 confusingly,
NOTE Confidence: 0.9996579

00:04:26.855 --> 00:04:28.235 but we can also
NOTE Confidence: 0.94142526

00:04:28.615 --> 00:04:29.095 use,
NOTE Confidence: 0.99600965

00:04:29.495 --> 00:04:30.555 adjunctive treatments
NOTE Confidence: 0.99445105

00:04:31.095 --> 00:04:33.015 from these other disorders. So
NOTE Confidence: 0.99445105

00:04:33.015 --> 00:04:33.515 antidepressants,
NOTE Confidence: 0.9505309

00:04:34.135 --> 00:04:35.654 anti manic agents can also
NOTE Confidence: 0.9505309

00:04:35.654 --> 00:04:36.875 be helpful in managing,
NOTE Confidence: 0.99104965

00:04:37.735 --> 00:04:39.495 symptoms and distress in chronic
NOTE Confidence: 0.99104965

00:04:39.495 --> 00:04:40.475 psychotic illnesses.
NOTE Confidence: 0.9561806

00:04:42.360 --> 00:04:44.520 Another sort of principle around
NOTE Confidence: 0.9561806

00:04:44.520 --> 00:04:45.020 managing

NOTE Confidence: 0.9992019
00:04:45.639 --> 00:04:46.460 with pharmacotherapy
NOTE Confidence: 0.9711741
00:04:47.800 --> 00:04:48.279 is,
NOTE Confidence: 0.9631936
00:04:48.600 --> 00:04:49.720 something I know Laura had
NOTE Confidence: 0.9631936
00:04:49.720 --> 00:04:51.740 all already talked about. Individuals
NOTE Confidence: 0.9631936
00:04:51.960 --> 00:04:53.080 early in the course of
NOTE Confidence: 0.9631936
00:04:53.080 --> 00:04:54.919 these illnesses will often cycle
NOTE Confidence: 0.9631936
00:04:54.919 --> 00:04:56.039 in and out of different
NOTE Confidence: 0.9631936
00:04:56.039 --> 00:04:56.539 phases.
NOTE Confidence: 0.97560716
00:04:57.194 --> 00:04:58.794 And this also means that
NOTE Confidence: 0.97560716
00:04:58.794 --> 00:05:00.095 the goals for pharmacotherapy
NOTE Confidence: 0.9996297
00:05:01.034 --> 00:05:01.694 will shift
NOTE Confidence: 0.9940735
00:05:01.995 --> 00:05:03.115 based on the phase that
NOTE Confidence: 0.9940735
00:05:03.115 --> 00:05:04.314 the person is in. The
NOTE Confidence: 0.9940735
00:05:04.314 --> 00:05:05.594 most obvious example, of course,
NOTE Confidence: 0.9940735
00:05:05.594 --> 00:05:06.555 is that when people are
NOTE Confidence: 0.9940735

00:05:06.555 --> 00:05:08.154 brought into the emergency room
NOTE Confidence: 0.9940735

00:05:08.154 --> 00:05:09.034 in the midst of an
NOTE Confidence: 0.9940735

00:05:09.034 --> 00:05:09.534 acute
NOTE Confidence: 0.93228453

00:05:09.835 --> 00:05:10.335 decompensation,
NOTE Confidence: 0.9619433

00:05:11.410 --> 00:05:12.610 The the goal is often
NOTE Confidence: 0.9619433

00:05:12.610 --> 00:05:14.870 initially to reduce aggression, hostility,
NOTE Confidence: 0.9244821

00:05:15.810 --> 00:05:17.250 and, of course, to reduce
NOTE Confidence: 0.9244821

00:05:17.250 --> 00:05:18.550 symptoms. But sometimes,
NOTE Confidence: 0.99613464

00:05:19.730 --> 00:05:21.250 combinations of treatments might be
NOTE Confidence: 0.99613464

00:05:21.250 --> 00:05:22.870 used at high doses
NOTE Confidence: 0.9981992

00:05:23.570 --> 00:05:24.550 to really target
NOTE Confidence: 0.9990409

00:05:24.930 --> 00:05:25.430 aggression
NOTE Confidence: 0.95185333

00:05:27.385 --> 00:05:28.904 that might not be used
NOTE Confidence: 0.95185333

00:05:28.904 --> 00:05:30.185 obviously in in the next
NOTE Confidence: 0.95185333

00:05:30.185 --> 00:05:32.125 phase when individuals are,
NOTE Confidence: 0.99552107

00:05:33.385 --> 00:05:34.445 are aiming towards

NOTE Confidence: 0.94126546
00:05:35.225 --> 00:05:37.085 stability and preventing relapse.
NOTE Confidence: 0.96559805
00:05:37.945 --> 00:05:39.485 And likewise, in the recovery
NOTE Confidence: 0.96559805
00:05:39.545 --> 00:05:41.225 phase where often lower doses
NOTE Confidence: 0.96559805
00:05:41.225 --> 00:05:42.710 can be used and sometimes
NOTE Confidence: 0.95987236
00:05:43.330 --> 00:05:44.310 even, antipsychotics
NOTE Confidence: 0.94198936
00:05:44.610 --> 00:05:46.130 can be tapered off in
NOTE Confidence: 0.94198936
00:05:46.130 --> 00:05:48.070 a in selected patients.
NOTE Confidence: 0.9748282
00:05:48.610 --> 00:05:50.870 So the strategy will vary
NOTE Confidence: 0.9748282
00:05:50.930 --> 00:05:51.990 based on the phase,
NOTE Confidence: 0.98380476
00:05:52.370 --> 00:05:53.029 of treatment,
NOTE Confidence: 0.9981168
00:05:53.730 --> 00:05:55.110 that the patient is in.
NOTE Confidence: 0.9168785
00:05:57.045 --> 00:05:58.645 And then this is a
NOTE Confidence: 0.9168785
00:05:58.645 --> 00:05:59.465 a high level,
NOTE Confidence: 0.9806111
00:06:01.045 --> 00:06:03.065 set of sessions. So I'm
NOTE Confidence: 0.9806111
00:06:03.205 --> 00:06:04.505 listing out principles,
NOTE Confidence: 0.99461555

00:06:05.285 --> 00:06:06.645 not to be intentionally vague,
NOTE Confidence: 0.99461555

00:06:06.645 --> 00:06:07.945 but to point out that
NOTE Confidence: 0.99461555

00:06:08.165 --> 00:06:09.285 for many of you who
NOTE Confidence: 0.99461555

00:06:09.285 --> 00:06:10.185 are either
NOTE Confidence: 0.98120904

00:06:10.820 --> 00:06:12.760 leading or overseeing or managing
NOTE Confidence: 0.98120904

00:06:12.980 --> 00:06:14.980 care or providing care, I'm
NOTE Confidence: 0.98120904

00:06:14.980 --> 00:06:16.260 hoping this will all look
NOTE Confidence: 0.98120904

00:06:16.260 --> 00:06:17.320 fairly familiar,
NOTE Confidence: 0.95322895

00:06:18.020 --> 00:06:19.140 and we adhere to these
NOTE Confidence: 0.95322895

00:06:19.140 --> 00:06:20.660 principles at at Step as
NOTE Confidence: 0.95322895

00:06:20.660 --> 00:06:21.160 well.
NOTE Confidence: 0.9913114

00:06:22.660 --> 00:06:24.020 I should probably mention just
NOTE Confidence: 0.9913114

00:06:24.020 --> 00:06:25.160 a couple, which is
NOTE Confidence: 0.9987994

00:06:26.625 --> 00:06:28.065 that we we like to
NOTE Confidence: 0.9987994

00:06:28.065 --> 00:06:28.565 favor
NOTE Confidence: 0.9976546

00:06:28.865 --> 00:06:30.625 using interventions that have been

NOTE Confidence: 0.9976546
00:06:30.625 --> 00:06:33.045 actually studied in rigorous trials
NOTE Confidence: 0.9641615
00:06:33.825 --> 00:06:34.325 first.
NOTE Confidence: 0.99859035
00:06:35.185 --> 00:06:36.964 And when we've exhausted those,
NOTE Confidence: 0.97755325
00:06:37.345 --> 00:06:38.805 we move to more theoretically
NOTE Confidence: 0.97755325
00:06:39.025 --> 00:06:39.845 based interventions
NOTE Confidence: 0.98773265
00:06:40.720 --> 00:06:42.400 or relying on clinical experience.
NOTE Confidence: 0.98773265
00:06:42.400 --> 00:06:43.360 And so what I mean
NOTE Confidence: 0.98773265
00:06:43.360 --> 00:06:45.040 by that is often first
NOTE Confidence: 0.98773265
00:06:45.040 --> 00:06:46.339 line agents for
NOTE Confidence: 0.96003985
00:06:46.800 --> 00:06:49.200 psychotic symptoms or depressive symptoms
NOTE Confidence: 0.96003985
00:06:49.200 --> 00:06:50.339 or manic symptoms.
NOTE Confidence: 0.94321096
00:06:51.600 --> 00:06:53.220 We have several of them,
NOTE Confidence: 0.99601895
00:06:53.555 --> 00:06:54.515 and so we tend to
NOTE Confidence: 0.99601895
00:06:54.515 --> 00:06:55.955 reach for ones that have
NOTE Confidence: 0.99601895
00:06:55.955 --> 00:06:57.495 survived clinical studies,
NOTE Confidence: 0.9876038

00:06:58.115 --> 00:07:00.115 before we reach for more

NOTE Confidence: 0.9876038

00:07:00.115 --> 00:07:02.995 unconventional treatments that sometimes individual

NOTE Confidence: 0.9876038

00:07:02.995 --> 00:07:04.515 patients may already be on

NOTE Confidence: 0.9876038

00:07:04.515 --> 00:07:05.735 when they come to us.

NOTE Confidence: 0.99373627

00:07:06.270 --> 00:07:07.870 And we reserve those only

NOTE Confidence: 0.99373627

00:07:07.870 --> 00:07:09.470 for those who do not

NOTE Confidence: 0.99373627

00:07:09.470 --> 00:07:11.010 respond to first line treatments.

NOTE Confidence: 0.9854795

00:07:11.630 --> 00:07:12.430 And we can talk about

NOTE Confidence: 0.9854795

00:07:12.430 --> 00:07:12.990 that more.

NOTE Confidence: 0.9920495

00:07:13.710 --> 00:07:15.230 There are several agents, for

NOTE Confidence: 0.9920495

00:07:15.230 --> 00:07:16.590 example, that have been studied

NOTE Confidence: 0.9920495

00:07:16.590 --> 00:07:17.730 to treat cognition

NOTE Confidence: 0.8503257

00:07:18.525 --> 00:07:19.345 that unfortunately

NOTE Confidence: 0.9854223

00:07:19.725 --> 00:07:20.625 have not survived

NOTE Confidence: 0.88680613

00:07:20.925 --> 00:07:21.905 clinical trials,

NOTE Confidence: 0.9894219

00:07:22.365 --> 00:07:24.285 and yet individuals will often
NOTE Confidence: 0.9894219

00:07:24.285 --> 00:07:25.805 be using them or be
NOTE Confidence: 0.9894219

00:07:25.805 --> 00:07:26.865 asking for them.
NOTE Confidence: 0.9926053

00:07:27.645 --> 00:07:28.145 And
NOTE Confidence: 0.9936457

00:07:28.685 --> 00:07:30.525 it is certainly permitted for
NOTE Confidence: 0.9936457

00:07:30.525 --> 00:07:32.840 prescribers to use medications off
NOTE Confidence: 0.9936457

00:07:32.840 --> 00:07:34.280 label, but we prefer to
NOTE Confidence: 0.9936457

00:07:34.280 --> 00:07:35.819 start with ones that have
NOTE Confidence: 0.9936457

00:07:36.039 --> 00:07:37.800 a good solid evidence base,
NOTE Confidence: 0.9936457

00:07:38.039 --> 00:07:39.099 in human studies.
NOTE Confidence: 0.98275447

00:07:40.520 --> 00:07:41.639 I won't read the rest
NOTE Confidence: 0.98275447

00:07:41.639 --> 00:07:42.840 out, but I put this
NOTE Confidence: 0.98275447

00:07:42.840 --> 00:07:43.800 up in part because I
NOTE Confidence: 0.98275447

00:07:43.800 --> 00:07:45.115 knew we were gonna leave
NOTE Confidence: 0.98275447

00:07:45.115 --> 00:07:46.074 this on the website as
NOTE Confidence: 0.98275447

00:07:46.074 --> 00:07:47.915 a recording so individuals could

NOTE Confidence: 0.98275447
00:07:47.915 --> 00:07:48.955 pause and look at the
NOTE Confidence: 0.98275447
00:07:48.955 --> 00:07:49.455 list.
NOTE Confidence: 0.95801485
00:07:49.835 --> 00:07:50.875 And I'm happy to take
NOTE Confidence: 0.95801485
00:07:50.875 --> 00:07:52.475 questions about it. Another one
NOTE Confidence: 0.95801485
00:07:52.475 --> 00:07:53.435 I should point out though
NOTE Confidence: 0.95801485
00:07:53.435 --> 00:07:55.675 is, treating to remission, which
NOTE Confidence: 0.95801485
00:07:55.675 --> 00:07:57.354 is that in early COVID
NOTE Confidence: 0.95801485
00:07:57.354 --> 00:07:59.275 patients, this is a very
NOTE Confidence: 0.95801485
00:07:59.275 --> 00:08:00.415 reasonable goal
NOTE Confidence: 0.8916947
00:08:00.770 --> 00:08:01.590 to drive,
NOTE Confidence: 0.9844224
00:08:01.890 --> 00:08:03.990 positive psychotic symptoms to remission.
NOTE Confidence: 0.9961267
00:08:04.290 --> 00:08:05.670 And this sometimes takes
NOTE Confidence: 0.9972276
00:08:06.050 --> 00:08:08.210 persistence around getting to a
NOTE Confidence: 0.9972276
00:08:08.210 --> 00:08:09.350 good enough dose,
NOTE Confidence: 0.98782176
00:08:10.370 --> 00:08:12.050 which is optimal to reduce
NOTE Confidence: 0.98782176

00:08:12.050 --> 00:08:14.130 symptoms while also managing side

NOTE Confidence: 0.98782176

00:08:14.130 --> 00:08:14.630 effects.

NOTE Confidence: 0.86338747

00:08:15.285 --> 00:08:16.665 But in fact, somewhere,

NOTE Confidence: 0.9960752

00:08:17.205 --> 00:08:18.565 north of seventy five percent

NOTE Confidence: 0.9960752

00:08:18.565 --> 00:08:19.305 of patients

NOTE Confidence: 0.98102313

00:08:19.685 --> 00:08:21.765 with our current medications, mostly

NOTE Confidence: 0.98102313

00:08:21.765 --> 00:08:23.685 first or second line, can

NOTE Confidence: 0.98102313

00:08:23.685 --> 00:08:25.205 reach remission within the first

NOTE Confidence: 0.98102313

00:08:25.205 --> 00:08:26.565 six months to a year

NOTE Confidence: 0.98102313

00:08:26.565 --> 00:08:26.965 of,

NOTE Confidence: 0.92789066

00:08:27.365 --> 00:08:28.585 psychosis. So,

NOTE Confidence: 0.99935097

00:08:29.340 --> 00:08:30.460 this is something that we

NOTE Confidence: 0.99935097

00:08:30.460 --> 00:08:31.900 we try very hard to

NOTE Confidence: 0.99935097

00:08:31.900 --> 00:08:32.640 to achieve.

NOTE Confidence: 0.96619

00:08:34.300 --> 00:08:36.459 Doctor Sheheri, there's a question,

NOTE Confidence: 0.96619

00:08:36.779 --> 00:08:38.720 just saying looking for clarification.

NOTE Confidence: 0.96619

00:08:38.860 --> 00:08:40.860 When you mentioned combination treatments,

NOTE Confidence: 0.96619

00:08:40.860 --> 00:08:42.399 are we referring to multiple

NOTE Confidence: 0.96619

00:08:42.459 --> 00:08:42.959 antipsychotics

NOTE Confidence: 0.98596454

00:08:43.420 --> 00:08:44.240 or antipsychotics

NOTE Confidence: 0.9392573

00:08:44.620 --> 00:08:46.675 mixed with other medications such

NOTE Confidence: 0.9392573

00:08:46.675 --> 00:08:48.695 as antidepressants or mood stabilizers?

NOTE Confidence: 0.99832225

00:08:50.035 --> 00:08:50.835 Yeah. Great.

NOTE Confidence: 0.9953434

00:08:51.315 --> 00:08:52.515 All of the above. And

NOTE Confidence: 0.9953434

00:08:52.515 --> 00:08:53.975 part of the rationale is

NOTE Confidence: 0.9772643

00:08:54.595 --> 00:08:55.475 we know that when you

NOTE Confidence: 0.9772643

00:08:55.475 --> 00:08:56.695 add a second medication,

NOTE Confidence: 0.99085516

00:08:57.155 --> 00:08:58.855 the risks of nonadherence

NOTE Confidence: 0.9662677

00:08:59.370 --> 00:09:00.970 start going up exponentially. And

NOTE Confidence: 0.9662677

00:09:00.970 --> 00:09:01.770 when you add a third

NOTE Confidence: 0.9662677

00:09:01.770 --> 00:09:02.570 and a fourth, this is

NOTE Confidence: 0.9662677

00:09:02.570 --> 00:09:04.010 not just in patients with
NOTE Confidence: 0.9662677

00:09:04.010 --> 00:09:05.630 psychosis, but all of us.
NOTE Confidence: 0.9805337

00:09:06.490 --> 00:09:08.650 Medication regimens that are that
NOTE Confidence: 0.9805337

00:09:08.650 --> 00:09:10.730 include multiple medicines multiple times
NOTE Confidence: 0.9805337

00:09:10.730 --> 00:09:11.850 a day can be very
NOTE Confidence: 0.9805337

00:09:11.850 --> 00:09:12.670 hard to
NOTE Confidence: 0.99247885

00:09:13.050 --> 00:09:13.950 adhere to.
NOTE Confidence: 0.9816371

00:09:15.105 --> 00:09:16.625 So one then ends up
NOTE Confidence: 0.9816371

00:09:16.625 --> 00:09:18.625 with very unreliable doses of
NOTE Confidence: 0.9816371

00:09:18.625 --> 00:09:20.225 multiple medicines over time, and
NOTE Confidence: 0.9816371

00:09:20.225 --> 00:09:21.745 it becomes difficult to figure
NOTE Confidence: 0.9816371

00:09:21.745 --> 00:09:23.425 out which medicine is causing
NOTE Confidence: 0.9816371

00:09:23.425 --> 00:09:24.325 what side effect,
NOTE Confidence: 0.9903725

00:09:24.785 --> 00:09:25.904 especially given that some of
NOTE Confidence: 0.9903725

00:09:25.904 --> 00:09:28.220 our medications are the most
NOTE Confidence: 0.9903725

00:09:28.220 --> 00:09:29.820 difficult to take early on

NOTE Confidence: 0.9903725
00:09:29.820 --> 00:09:30.940 when the body is beginning
NOTE Confidence: 0.9903725
00:09:30.940 --> 00:09:32.940 to adapt. And so stopping
NOTE Confidence: 0.9903725
00:09:32.940 --> 00:09:34.540 and starting and forgetting just
NOTE Confidence: 0.9903725
00:09:34.540 --> 00:09:35.740 adds to the side effect
NOTE Confidence: 0.9903725
00:09:35.740 --> 00:09:36.779 burden, and then you have
NOTE Confidence: 0.9903725
00:09:36.779 --> 00:09:37.679 a patient who's
NOTE Confidence: 0.96221244
00:09:38.540 --> 00:09:41.054 demoralized and unhappy. And and
NOTE Confidence: 0.96221244
00:09:41.054 --> 00:09:43.075 then looks like they failed
NOTE Confidence: 0.96221244
00:09:43.135 --> 00:09:44.415 a trial of a medication
NOTE Confidence: 0.96221244
00:09:44.415 --> 00:09:45.875 when they haven't even actually
NOTE Confidence: 0.9911105
00:09:46.415 --> 00:09:47.775 had an adequate dose for
NOTE Confidence: 0.9911105
00:09:47.775 --> 00:09:48.915 long enough. So
NOTE Confidence: 0.9357623
00:09:49.295 --> 00:09:50.575 so so all of that.
NOTE Confidence: 0.9357623
00:09:50.975 --> 00:09:52.335 It it I didn't say,
NOTE Confidence: 0.9928547
00:09:53.370 --> 00:09:54.330 I I wouldn't say that
NOTE Confidence: 0.9928547

00:09:54.330 --> 00:09:56.250 we completely avoid combination treatments,

NOTE Confidence: 0.9928547

00:09:56.250 --> 00:09:57.290 but we try very hard

NOTE Confidence: 0.9928547

00:09:57.290 --> 00:09:58.650 to limit them and use

NOTE Confidence: 0.9928547

00:09:58.650 --> 00:09:59.309 one medicine

NOTE Confidence: 0.9964868

00:09:59.929 --> 00:10:00.730 at a time if we

NOTE Confidence: 0.9964868

00:10:00.730 --> 00:10:02.030 can get away with it.

NOTE Confidence: 0.93528855

00:10:05.595 --> 00:10:06.315 Any other,

NOTE Confidence: 0.97709066

00:10:06.635 --> 00:10:07.434 we can come back to

NOTE Confidence: 0.97709066

00:10:07.434 --> 00:10:08.154 this, of course, so I'll

NOTE Confidence: 0.97709066

00:10:08.154 --> 00:10:09.115 keep plugging on, but feel

NOTE Confidence: 0.97709066

00:10:09.115 --> 00:10:10.255 free to to interrupt.

NOTE Confidence: 0.9803216

00:10:11.195 --> 00:10:12.154 So, again, at a high

NOTE Confidence: 0.9803216

00:10:12.154 --> 00:10:13.535 level, this is roughly,

NOTE Confidence: 0.99898404

00:10:14.074 --> 00:10:15.355 what we try and follow.

NOTE Confidence: 0.998579

00:10:15.995 --> 00:10:18.074 There are published algorithms that

NOTE Confidence: 0.998579

00:10:18.074 --> 00:10:20.095 have been implemented in clinics

NOTE Confidence: 0.96856266
00:10:20.649 --> 00:10:22.029 and that have shown,
NOTE Confidence: 0.99062705
00:10:22.970 --> 00:10:25.050 greater rates of response and
NOTE Confidence: 0.99062705
00:10:25.050 --> 00:10:25.550 remission,
NOTE Confidence: 0.9990906
00:10:26.809 --> 00:10:28.350 and better progression
NOTE Confidence: 0.9718814
00:10:28.809 --> 00:10:31.050 to to second line agents
NOTE Confidence: 0.9718814
00:10:31.050 --> 00:10:31.950 and then clozapine.
NOTE Confidence: 0.97221386
00:10:32.845 --> 00:10:33.645 So I think there are
NOTE Confidence: 0.97221386
00:10:33.645 --> 00:10:34.785 ways to police,
NOTE Confidence: 0.9995971
00:10:35.325 --> 00:10:37.345 prescription practice in a service
NOTE Confidence: 0.9959692
00:10:37.804 --> 00:10:39.665 that will result in better
NOTE Confidence: 0.9959692
00:10:39.804 --> 00:10:41.665 practice and outcomes for patients.
NOTE Confidence: 0.95929545
00:10:43.165 --> 00:10:44.605 And at step, we the
NOTE Confidence: 0.95929545
00:10:44.605 --> 00:10:45.565 way we do this is
NOTE Confidence: 0.95929545
00:10:45.565 --> 00:10:46.304 not through,
NOTE Confidence: 0.97432274
00:10:46.765 --> 00:10:48.625 some kind of formal algorithm,
NOTE Confidence: 0.97432274

00:10:48.740 --> 00:10:49.480 but really
NOTE Confidence: 0.9751335

00:10:49.860 --> 00:10:51.379 a a culture of practice
NOTE Confidence: 0.9751335

00:10:51.379 --> 00:10:53.240 where we are constantly reviewing
NOTE Confidence: 0.9751335

00:10:53.300 --> 00:10:55.220 our medication choices with each
NOTE Confidence: 0.9751335

00:10:55.220 --> 00:10:56.899 other as a clinic and
NOTE Confidence: 0.9751335

00:10:56.899 --> 00:10:57.800 amongst prescribers,
NOTE Confidence: 0.99006414

00:10:58.819 --> 00:11:00.179 and, of course, trying to
NOTE Confidence: 0.99006414

00:11:00.179 --> 00:11:01.540 follow the principles I I
NOTE Confidence: 0.99006414

00:11:01.540 --> 00:11:03.055 put in earlier. But in
NOTE Confidence: 0.99006414

00:11:03.055 --> 00:11:05.135 general, for early psychosis, the
NOTE Confidence: 0.99006414

00:11:05.135 --> 00:11:06.275 good news is that
NOTE Confidence: 0.977184

00:11:06.815 --> 00:11:08.915 any of the, agents available,
NOTE Confidence: 0.95810205

00:11:09.695 --> 00:11:11.235 both first and second generation,
NOTE Confidence: 0.98810303

00:11:11.935 --> 00:11:13.215 are appear to be equally
NOTE Confidence: 0.98810303

00:11:13.215 --> 00:11:15.715 effective at driving towards remission
NOTE Confidence: 0.98519516

00:11:16.040 --> 00:11:17.100 as long as the individual

NOTE Confidence: 0.98519516
00:11:17.160 --> 00:11:18.920 patient can tolerate that medication.
NOTE Confidence: 0.98519516
00:11:18.920 --> 00:11:20.120 So sometimes the game is
NOTE Confidence: 0.98519516
00:11:20.120 --> 00:11:21.800 to find a medication for
NOTE Confidence: 0.98519516
00:11:21.800 --> 00:11:23.640 which the patient is best
NOTE Confidence: 0.98519516
00:11:23.640 --> 00:11:24.840 able to tolerate the side
NOTE Confidence: 0.98519516
00:11:24.840 --> 00:11:25.340 effects.
NOTE Confidence: 0.8971171
00:11:25.960 --> 00:11:27.179 I put accept olanzapine
NOTE Confidence: 0.9566395
00:11:27.720 --> 00:11:28.840 not because it's any less
NOTE Confidence: 0.9566395
00:11:28.840 --> 00:11:30.860 effective, but because its
NOTE Confidence: 0.9977467
00:11:31.365 --> 00:11:32.645 impact on weight gain is
NOTE Confidence: 0.9977467
00:11:32.645 --> 00:11:34.005 so dramatically worse than the
NOTE Confidence: 0.9977467
00:11:34.005 --> 00:11:35.465 other medications that,
NOTE Confidence: 0.96929914
00:11:36.005 --> 00:11:37.125 it would be a shame
NOTE Confidence: 0.96929914
00:11:37.125 --> 00:11:38.165 to try it first and
NOTE Confidence: 0.96929914
00:11:38.165 --> 00:11:39.625 end up with someone who
NOTE Confidence: 0.96929914

00:11:39.925 --> 00:11:41.205 is in remission but who's
NOTE Confidence: 0.96929914

00:11:41.205 --> 00:11:42.405 gained thirty pounds in the
NOTE Confidence: 0.96929914

00:11:42.405 --> 00:11:43.445 first three months. And then
NOTE Confidence: 0.96929914

00:11:43.445 --> 00:11:44.670 you have to figure out
NOTE Confidence: 0.96929914

00:11:44.670 --> 00:11:45.870 what to do next. Take
NOTE Confidence: 0.96929914

00:11:45.870 --> 00:11:47.390 them off this medicine and
NOTE Confidence: 0.96929914

00:11:47.390 --> 00:11:49.170 and transition them.
NOTE Confidence: 0.9763632

00:11:50.670 --> 00:11:52.030 If they don't respond to
NOTE Confidence: 0.9763632

00:11:52.030 --> 00:11:53.710 the first medication, it's entirely
NOTE Confidence: 0.9763632

00:11:53.710 --> 00:11:55.309 reasonable to try another. The
NOTE Confidence: 0.9763632

00:11:55.309 --> 00:11:56.990 people often favor trying something
NOTE Confidence: 0.9763632

00:11:56.990 --> 00:11:58.210 from a different class,
NOTE Confidence: 0.9622294

00:11:58.595 --> 00:11:59.955 but I found sometimes they're
NOTE Confidence: 0.9622294

00:11:59.955 --> 00:12:01.335 just trying a different medication
NOTE Confidence: 0.9929512

00:12:01.955 --> 00:12:03.175 that's better tolerated,
NOTE Confidence: 0.99364877

00:12:03.554 --> 00:12:05.255 that for which the individual

NOTE Confidence: 0.99364877

00:12:05.315 --> 00:12:07.255 patient feels subjectively better,

NOTE Confidence: 0.9974711

00:12:07.795 --> 00:12:08.934 which can be idiosyncratic

NOTE Confidence: 0.9557781

00:12:09.635 --> 00:12:11.815 amongst individual patients. Some like,

NOTE Confidence: 0.9753546

00:12:12.490 --> 00:12:14.090 the sedating and slowing effects

NOTE Confidence: 0.9753546

00:12:14.090 --> 00:12:15.610 of something like Seroquel, and

NOTE Confidence: 0.9753546

00:12:15.610 --> 00:12:17.450 others prefer Abilify because it

NOTE Confidence: 0.9753546

00:12:17.450 --> 00:12:19.390 makes them feel less sleepy.

NOTE Confidence: 0.9753546

00:12:19.450 --> 00:12:19.950 So,

NOTE Confidence: 0.9796807

00:12:20.570 --> 00:12:21.850 it's worth trying a second

NOTE Confidence: 0.9796807

00:12:21.850 --> 00:12:23.530 agent and getting it, to

NOTE Confidence: 0.9796807

00:12:23.530 --> 00:12:25.070 a to an optimal dose.

NOTE Confidence: 0.98815215

00:12:26.205 --> 00:12:27.345 And then there are caveats,

NOTE Confidence: 0.98815215

00:12:27.405 --> 00:12:28.304 of course. So,

NOTE Confidence: 0.98889726

00:12:29.165 --> 00:12:30.125 we can talk about this

NOTE Confidence: 0.98889726

00:12:30.125 --> 00:12:31.965 more, but clozapine, of course,

NOTE Confidence: 0.98889726

00:12:31.965 --> 00:12:33.265 is severely underutilized.

NOTE Confidence: 0.729656

00:12:34.125 --> 00:12:35.345 Individual patients,

NOTE Confidence: 0.9982201

00:12:36.525 --> 00:12:38.285 who would be responsive to

NOTE Confidence: 0.9982201

00:12:38.285 --> 00:12:40.625 clozapine often go through unnecessary

NOTE Confidence: 0.96012855

00:12:41.640 --> 00:12:42.140 trials,

NOTE Confidence: 0.9999217

00:12:42.840 --> 00:12:43.340 beyond

NOTE Confidence: 0.9887842

00:12:43.960 --> 00:12:45.400 a second trial, a third

NOTE Confidence: 0.9887842

00:12:45.400 --> 00:12:46.680 trial, a fourth trial, and

NOTE Confidence: 0.9887842

00:12:46.680 --> 00:12:47.980 then get put on multiple

NOTE Confidence: 0.9887842

00:12:48.120 --> 00:12:48.620 antipsychotics

NOTE Confidence: 0.9642997

00:12:49.000 --> 00:12:49.500 when

NOTE Confidence: 0.9945294

00:12:49.880 --> 00:12:51.320 the evidence is very clear

NOTE Confidence: 0.9945294

00:12:51.320 --> 00:12:52.840 that for individuals who've tried

NOTE Confidence: 0.9945294

00:12:53.080 --> 00:12:54.200 who've gone through two trials

NOTE Confidence: 0.9945294

00:12:54.200 --> 00:12:55.100 and not remitted,

NOTE Confidence: 0.99345344

00:12:55.565 --> 00:12:56.925 clozapine is really the best

NOTE Confidence: 0.99345344

00:12:56.925 --> 00:12:58.684 medication. So it should at

NOTE Confidence: 0.99345344

00:12:58.684 --> 00:12:59.964 least be discussed and often

NOTE Confidence: 0.99345344

00:12:59.964 --> 00:13:01.404 needs to be discussed many

NOTE Confidence: 0.99345344

00:13:01.404 --> 00:13:02.385 times before

NOTE Confidence: 0.9938619

00:13:02.845 --> 00:13:04.605 families and individual patients will

NOTE Confidence: 0.9938619

00:13:04.605 --> 00:13:05.985 feel comfortable proceeding.

NOTE Confidence: 0.9866668

00:13:07.404 --> 00:13:09.750 And, of course, injectable medications,

NOTE Confidence: 0.9866668

00:13:09.809 --> 00:13:11.750 the long acting injectable medications

NOTE Confidence: 0.91695285

00:13:12.450 --> 00:13:13.970 are a great tool, and

NOTE Confidence: 0.91695285

00:13:13.970 --> 00:13:14.470 we,

NOTE Confidence: 0.98679996

00:13:15.410 --> 00:13:16.770 will often move to this

NOTE Confidence: 0.98679996

00:13:16.770 --> 00:13:18.309 even in the first trial

NOTE Confidence: 0.98679996

00:13:18.370 --> 00:13:20.070 or sometimes the second trial.

NOTE Confidence: 0.98679996

00:13:20.370 --> 00:13:21.250 If we find that a

NOTE Confidence: 0.98679996

00:13:21.250 --> 00:13:22.929 person has responded to oral

NOTE Confidence: 0.98679996

00:13:22.929 --> 00:13:23.429 medications,
NOTE Confidence: 0.67198867
00:13:24.075 --> 00:13:24.575 it
NOTE Confidence: 0.9452438
00:13:24.955 --> 00:13:26.235 the question should be why
NOTE Confidence: 0.9452438
00:13:26.235 --> 00:13:27.675 not an LAI in those
NOTE Confidence: 0.9452438
00:13:27.675 --> 00:13:28.815 situations. It's,
NOTE Confidence: 0.98811984
00:13:29.595 --> 00:13:31.195 allows individuals to not have
NOTE Confidence: 0.98811984
00:13:31.195 --> 00:13:32.235 to remember, of course, to
NOTE Confidence: 0.98811984
00:13:32.235 --> 00:13:33.675 take it every day, but
NOTE Confidence: 0.98811984
00:13:33.675 --> 00:13:35.195 it can also save individual
NOTE Confidence: 0.98811984
00:13:35.515 --> 00:13:36.815 individuals from
NOTE Confidence: 0.95485026
00:13:37.290 --> 00:13:38.490 exposure to others if they're
NOTE Confidence: 0.95485026
00:13:38.490 --> 00:13:40.170 living in community settings and
NOTE Confidence: 0.95485026
00:13:40.170 --> 00:13:41.550 colleges and dorms
NOTE Confidence: 0.9638521
00:13:41.929 --> 00:13:42.730 where they don't have to
NOTE Confidence: 0.9638521
00:13:42.730 --> 00:13:44.170 carry pill bottles around, can
NOTE Confidence: 0.9638521
00:13:44.170 --> 00:13:45.290 come into a clinic once

NOTE Confidence: 0.9638521
00:13:45.290 --> 00:13:46.170 a month and get an
NOTE Confidence: 0.9638521
00:13:46.170 --> 00:13:46.670 injection.
NOTE Confidence: 0.9649663
00:13:47.850 --> 00:13:48.970 And it also allows us
NOTE Confidence: 0.9649663
00:13:48.970 --> 00:13:50.890 to use much effectively much
NOTE Confidence: 0.9649663
00:13:50.890 --> 00:13:52.455 lower doses with much lower
NOTE Confidence: 0.9649663
00:13:52.535 --> 00:13:54.715 side effects than oral medications.
NOTE Confidence: 0.9649663
00:13:54.855 --> 00:13:55.355 So,
NOTE Confidence: 0.99979186
00:13:55.815 --> 00:13:57.175 we have a very strong
NOTE Confidence: 0.99979186
00:13:57.175 --> 00:13:57.675 preference
NOTE Confidence: 0.9851635
00:13:57.975 --> 00:13:59.095 and try very hard to
NOTE Confidence: 0.9851635
00:13:59.095 --> 00:13:59.595 educate,
NOTE Confidence: 0.9963493
00:14:00.455 --> 00:14:01.895 patients and families to move
NOTE Confidence: 0.9963493
00:14:01.895 --> 00:14:03.035 towards an LAI
NOTE Confidence: 0.9485949
00:14:03.415 --> 00:14:04.934 once they've responded to an
NOTE Confidence: 0.9485949
00:14:04.934 --> 00:14:06.315 an oral, medication.
NOTE Confidence: 0.98954964

00:14:09.470 --> 00:14:10.589 And we can talk more
NOTE Confidence: 0.98954964

00:14:10.589 --> 00:14:11.470 about this. There are some
NOTE Confidence: 0.98954964

00:14:11.470 --> 00:14:12.830 individuals who don't respond to
NOTE Confidence: 0.98954964

00:14:12.830 --> 00:14:13.330 clozapine.
NOTE Confidence: 0.9980862

00:14:13.790 --> 00:14:14.830 And at that point, we
NOTE Confidence: 0.9980862

00:14:14.830 --> 00:14:15.890 have moved beyond
NOTE Confidence: 0.99384266

00:14:16.830 --> 00:14:18.990 the evidence from clinical studies,
NOTE Confidence: 0.99384266

00:14:18.990 --> 00:14:20.029 and we end up having
NOTE Confidence: 0.99384266

00:14:20.029 --> 00:14:21.950 to use combination treatments based
NOTE Confidence: 0.99384266

00:14:21.950 --> 00:14:22.450 on
NOTE Confidence: 0.9691263

00:14:23.105 --> 00:14:25.105 mechanisms of action, ideas that
NOTE Confidence: 0.9691263

00:14:25.105 --> 00:14:26.225 might be helpful for an
NOTE Confidence: 0.9691263

00:14:26.225 --> 00:14:27.204 individual patient.
NOTE Confidence: 0.9940304

00:14:28.384 --> 00:14:30.065 And then if that fails
NOTE Confidence: 0.9940304

00:14:30.065 --> 00:14:31.745 too, ECT can be quite
NOTE Confidence: 0.9940304

00:14:31.745 --> 00:14:33.425 effective in those situations and

NOTE Confidence: 0.9940304

00:14:33.425 --> 00:14:34.324 is worth considering.

NOTE Confidence: 0.94341606

00:14:35.380 --> 00:14:36.500 And I would say if

NOTE Confidence: 0.94341606

00:14:36.500 --> 00:14:38.019 that isn't available or if

NOTE Confidence: 0.94341606

00:14:38.019 --> 00:14:39.800 an individual patient hasn't responded,

NOTE Confidence: 0.9862228

00:14:40.980 --> 00:14:42.820 beyond stage five, it makes

NOTE Confidence: 0.9862228

00:14:42.820 --> 00:14:44.660 sense to look, for clinical

NOTE Confidence: 0.9862228

00:14:44.660 --> 00:14:45.639 trials of which,

NOTE Confidence: 0.9534551

00:14:46.260 --> 00:14:47.560 if you're near an academic

NOTE Confidence: 0.9534551

00:14:47.620 --> 00:14:49.399 center, could be enrolling subjects

NOTE Confidence: 0.9974726

00:14:49.785 --> 00:14:51.305 who could then try experimental

NOTE Confidence: 0.9974726

00:14:51.305 --> 00:14:52.745 treatments in a much safer

NOTE Confidence: 0.9974726

00:14:52.745 --> 00:14:53.245 environment,

NOTE Confidence: 0.9908314

00:14:54.185 --> 00:14:56.764 than in ordinary clinical practice.

NOTE Confidence: 0.9829046

00:14:58.824 --> 00:15:00.365 And we've got one more

NOTE Confidence: 0.9829046

00:15:00.504 --> 00:15:02.185 med related question that was

NOTE Confidence: 0.9829046

00:15:02.185 --> 00:15:02.665 relevant.
NOTE Confidence: 0.98552436

00:15:03.944 --> 00:15:05.760 So just wondering if we,
NOTE Confidence: 0.9967127

00:15:06.160 --> 00:15:07.140 generally speaking,
NOTE Confidence: 0.9469664

00:15:07.680 --> 00:15:09.120 doing more favors starting an
NOTE Confidence: 0.9469664

00:15:09.120 --> 00:15:11.040 injection while a client is
NOTE Confidence: 0.9469664

00:15:11.040 --> 00:15:12.880 inpatient or trying it through
NOTE Confidence: 0.9469664

00:15:12.880 --> 00:15:14.020 the outpatient prescriber.
NOTE Confidence: 0.99742967

00:15:17.920 --> 00:15:19.300 Yeah. That's a great question.
NOTE Confidence: 0.7637749

00:15:20.085 --> 00:15:20.585 It's
NOTE Confidence: 0.97624576

00:15:21.285 --> 00:15:23.925 it's great if individuals can
NOTE Confidence: 0.97624576

00:15:23.925 --> 00:15:25.945 be loaded on an LAI
NOTE Confidence: 0.9961232

00:15:26.405 --> 00:15:28.165 after having shown a response
NOTE Confidence: 0.9961232

00:15:28.165 --> 00:15:29.545 on an inpatient unit.
NOTE Confidence: 0.9464877

00:15:31.285 --> 00:15:32.725 It it certainly helps us
NOTE Confidence: 0.9464877

00:15:32.725 --> 00:15:33.605 a lot when we begin
NOTE Confidence: 0.9464877

00:15:33.605 --> 00:15:35.125 to engage someone that they

NOTE Confidence: 0.9464877

00:15:35.125 --> 00:15:36.950 have already begun in LAI.

NOTE Confidence: 0.98179173

00:15:37.570 --> 00:15:38.070 So

NOTE Confidence: 0.9263004

00:15:39.010 --> 00:15:40.790 that would require though communication

NOTE Confidence: 0.9263004

00:15:41.089 --> 00:15:42.770 and collaboration with an inpatient

NOTE Confidence: 0.9263004

00:15:42.770 --> 00:15:43.270 unit,

NOTE Confidence: 0.99919146

00:15:44.130 --> 00:15:44.630 and

NOTE Confidence: 0.96155626

00:15:45.010 --> 00:15:47.010 sometimes reassuring them that you

NOTE Confidence: 0.96155626

00:15:47.010 --> 00:15:48.610 are able to continue in

NOTE Confidence: 0.96155626

00:15:48.610 --> 00:15:49.110 LAI.

NOTE Confidence: 0.9777896

00:15:50.225 --> 00:15:51.985 But we've also started individuals

NOTE Confidence: 0.9777896

00:15:51.985 --> 00:15:53.505 in the outpatient setting on

NOTE Confidence: 0.9777896

00:15:53.505 --> 00:15:55.505 on LAI. So, I don't

NOTE Confidence: 0.9777896

00:15:55.505 --> 00:15:56.385 know if that answers the

NOTE Confidence: 0.9777896

00:15:56.385 --> 00:15:58.305 question, but but any any

NOTE Confidence: 0.9777896

00:15:58.305 --> 00:15:59.825 pathway to an LAI is

NOTE Confidence: 0.9777896

00:15:59.825 --> 00:16:01.665 good. There are some barriers
NOTE Confidence: 0.9777896

00:16:01.665 --> 00:16:02.705 that we can talk about,
NOTE Confidence: 0.9777896

00:16:03.025 --> 00:16:04.465 one of which unfortunately often
NOTE Confidence: 0.9777896

00:16:04.465 --> 00:16:05.765 is insurance coverage.
NOTE Confidence: 0.92168236

00:16:07.800 --> 00:16:09.000 But but, yeah, if if,
NOTE Confidence: 0.92168236

00:16:09.240 --> 00:16:11.080 an individual gets admitted to
NOTE Confidence: 0.92168236

00:16:11.080 --> 00:16:11.740 a hospital
NOTE Confidence: 0.969997

00:16:12.520 --> 00:16:13.820 and you as an outpatient
NOTE Confidence: 0.969997

00:16:13.880 --> 00:16:15.160 provider have a sense that
NOTE Confidence: 0.969997

00:16:15.160 --> 00:16:16.440 they have responded to a
NOTE Confidence: 0.969997

00:16:16.440 --> 00:16:16.940 medication,
NOTE Confidence: 0.994863

00:16:18.360 --> 00:16:19.480 it's a great time to
NOTE Confidence: 0.994863

00:16:19.480 --> 00:16:20.920 engage with the inpatient team
NOTE Confidence: 0.994863

00:16:20.920 --> 00:16:21.420 and
NOTE Confidence: 0.984807

00:16:22.095 --> 00:16:23.615 help collaborate with them and
NOTE Confidence: 0.984807

00:16:23.615 --> 00:16:25.074 the family to get them,

NOTE Confidence: 0.95382935
00:16:26.014 --> 00:16:27.235 started on LAI,
NOTE Confidence: 0.98817647
00:16:27.615 --> 00:16:29.154 you know, before they leave.
NOTE Confidence: 0.9806472
00:16:32.014 --> 00:16:33.375 Any anything else, Laura? Any
NOTE Confidence: 0.9806472
00:16:33.375 --> 00:16:34.115 other questions?
NOTE Confidence: 0.9563441
00:16:35.339 --> 00:16:36.639 No. Thank you.
NOTE Confidence: 0.9862981
00:16:40.380 --> 00:16:41.579 So I think this is
NOTE Confidence: 0.9862981
00:16:41.579 --> 00:16:42.860 almost my last slide, and
NOTE Confidence: 0.9862981
00:16:42.860 --> 00:16:44.060 I put this up again
NOTE Confidence: 0.9862981
00:16:44.060 --> 00:16:45.500 intentionally. It's it's a very
NOTE Confidence: 0.9862981
00:16:45.500 --> 00:16:46.380 long list. I won't go
NOTE Confidence: 0.9862981
00:16:46.380 --> 00:16:47.500 through it. But the point
NOTE Confidence: 0.9862981
00:16:47.500 --> 00:16:48.060 I'm I was trying to
NOTE Confidence: 0.9862981
00:16:48.060 --> 00:16:48.779 make here is that, of
NOTE Confidence: 0.9862981
00:16:48.779 --> 00:16:49.215 course,
NOTE Confidence: 0.95994216
00:16:49.615 --> 00:16:50.115 pharmacotherapy,
NOTE Confidence: 0.96394444

00:16:52.015 --> 00:16:53.955 for people with schizophrenia spectrum

NOTE Confidence: 0.96394444

00:16:54.015 --> 00:16:54.515 disorders,

NOTE Confidence: 0.99689394

00:16:56.735 --> 00:16:58.415 can accomplish a lot in

NOTE Confidence: 0.99689394

00:16:58.415 --> 00:17:00.755 terms of positive symptom remission.

NOTE Confidence: 0.99689394

00:17:00.895 --> 00:17:02.115 As I mentioned before,

NOTE Confidence: 0.98131454

00:17:02.420 --> 00:17:03.540 it can't do much for

NOTE Confidence: 0.98131454

00:17:03.540 --> 00:17:05.640 cognitive symptoms or negative symptoms.

NOTE Confidence: 0.9970867

00:17:06.100 --> 00:17:06.760 And so

NOTE Confidence: 0.99774736

00:17:07.140 --> 00:17:08.920 it's very important to integrate

NOTE Confidence: 0.99774736

00:17:09.220 --> 00:17:11.140 these interventions with all the

NOTE Confidence: 0.99774736

00:17:11.140 --> 00:17:13.240 other components of coordinated specialty

NOTE Confidence: 0.99774736

00:17:13.300 --> 00:17:13.800 care.

NOTE Confidence: 0.99156356

00:17:14.340 --> 00:17:15.220 But within,

NOTE Confidence: 0.9966487

00:17:15.619 --> 00:17:16.600 just the pharmacotherapy

NOTE Confidence: 0.99905324

00:17:17.060 --> 00:17:18.695 domain, there are opportunities

NOTE Confidence: 0.9070988

00:17:19.475 --> 00:17:21.315 within a collaborative like this

NOTE Confidence: 0.9070988

00:17:21.315 --> 00:17:22.355 where we need to bring

NOTE Confidence: 0.9070988

00:17:22.355 --> 00:17:23.335 clinics together

NOTE Confidence: 0.9674669

00:17:24.595 --> 00:17:26.135 to think about more systematic

NOTE Confidence: 0.9674669

00:17:26.355 --> 00:17:27.335 ways to,

NOTE Confidence: 0.9838159

00:17:28.434 --> 00:17:30.434 tackle problems that we all

NOTE Confidence: 0.9838159

00:17:30.434 --> 00:17:31.875 know keep coming up. And

NOTE Confidence: 0.9838159

00:17:31.875 --> 00:17:33.335 I've listed a few here.

NOTE Confidence: 0.9700908

00:17:33.769 --> 00:17:34.889 There are ways to think

NOTE Confidence: 0.9700908

00:17:34.889 --> 00:17:35.389 about,

NOTE Confidence: 0.982765

00:17:36.570 --> 00:17:38.250 care pathways. In other words,

NOTE Confidence: 0.982765

00:17:38.250 --> 00:17:39.149 sort of standardized

NOTE Confidence: 0.9993487

00:17:39.609 --> 00:17:41.450 processes that can help all

NOTE Confidence: 0.9993487

00:17:41.450 --> 00:17:42.109 of us

NOTE Confidence: 0.9744666

00:17:42.730 --> 00:17:44.990 improve on problems like clozapine

NOTE Confidence: 0.9744666

00:17:45.129 --> 00:17:45.629 underutilization.

NOTE Confidence: 0.97475106

00:17:46.785 --> 00:17:48.325 So there are tools available
NOTE Confidence: 0.97475106

00:17:48.385 --> 00:17:50.405 that can help clinicians educate
NOTE Confidence: 0.97475106

00:17:50.545 --> 00:17:52.385 patients and families with standard
NOTE Confidence: 0.97475106

00:17:52.385 --> 00:17:53.605 language, for example.
NOTE Confidence: 0.98344636

00:17:54.545 --> 00:17:55.585 And then there are ways
NOTE Confidence: 0.98344636

00:17:55.585 --> 00:17:57.585 to jointly screen for rare
NOTE Confidence: 0.98344636

00:17:57.585 --> 00:17:58.965 side effects across,
NOTE Confidence: 0.9944222

00:17:59.984 --> 00:18:01.665 state a statewide network like
NOTE Confidence: 0.9944222

00:18:01.665 --> 00:18:02.165 this
NOTE Confidence: 0.9976583

00:18:02.470 --> 00:18:03.590 where we can all be
NOTE Confidence: 0.9976583

00:18:03.590 --> 00:18:05.030 helpful to each other in
NOTE Confidence: 0.9976583

00:18:05.030 --> 00:18:06.470 how to actually utilize these
NOTE Confidence: 0.9976583

00:18:06.470 --> 00:18:07.930 screening measures appropriately
NOTE Confidence: 0.9915134

00:18:08.470 --> 00:18:10.390 and educate patients and families
NOTE Confidence: 0.9915134

00:18:10.390 --> 00:18:11.210 about risks.
NOTE Confidence: 0.99703526

00:18:11.830 --> 00:18:12.310 So,

NOTE Confidence: 0.9836198

00:18:12.710 --> 00:18:14.470 adherence is another, obviously, a

NOTE Confidence: 0.9836198

00:18:14.470 --> 00:18:15.990 very common challenge, and there

NOTE Confidence: 0.9836198

00:18:15.990 --> 00:18:17.785 are many different ways that

NOTE Confidence: 0.9836198

00:18:17.785 --> 00:18:19.065 can be helpful for different

NOTE Confidence: 0.9836198

00:18:19.065 --> 00:18:20.905 patients using visiting nurses, doing

NOTE Confidence: 0.9836198

00:18:20.905 --> 00:18:22.505 pill counts. But these are

NOTE Confidence: 0.9836198

00:18:22.505 --> 00:18:23.705 the kinds of challenges that

NOTE Confidence: 0.9836198

00:18:23.705 --> 00:18:24.525 I think sometimes

NOTE Confidence: 0.94773

00:18:25.065 --> 00:18:26.185 if you're in a larger

NOTE Confidence: 0.94773

00:18:26.185 --> 00:18:26.685 network,

NOTE Confidence: 0.9985785

00:18:27.625 --> 00:18:29.225 it it's useful to do

NOTE Confidence: 0.9985785

00:18:29.225 --> 00:18:31.065 together and share tools around

NOTE Confidence: 0.9985785

00:18:31.065 --> 00:18:32.760 this that can help everyone

NOTE Confidence: 0.9530015

00:18:33.220 --> 00:18:34.900 try out these different approaches

NOTE Confidence: 0.9530015

00:18:34.900 --> 00:18:36.340 that they may not, as

NOTE Confidence: 0.9530015

00:18:36.340 --> 00:18:37.700 a clinic, have tried before,
NOTE Confidence: 0.9530015

00:18:37.700 --> 00:18:38.500 but they may be,
NOTE Confidence: 0.9905725

00:18:39.299 --> 00:18:40.840 a, sort of an activation
NOTE Confidence: 0.9905725

00:18:40.980 --> 00:18:42.179 barrier to getting it started.
NOTE Confidence: 0.9905725

00:18:42.179 --> 00:18:42.980 If you don't have the
NOTE Confidence: 0.9905725

00:18:42.980 --> 00:18:44.359 materials printed out,
NOTE Confidence: 0.98015857

00:18:44.845 --> 00:18:45.644 it takes a lot of
NOTE Confidence: 0.98015857

00:18:45.644 --> 00:18:47.005 work. But if one clinic
NOTE Confidence: 0.98015857

00:18:47.005 --> 00:18:48.044 has it printed out, these
NOTE Confidence: 0.98015857

00:18:48.044 --> 00:18:49.184 can be shared. So
NOTE Confidence: 0.98997945

00:18:49.644 --> 00:18:50.845 part of my excitement is
NOTE Confidence: 0.98997945

00:18:50.845 --> 00:18:51.744 is that I think
NOTE Confidence: 0.9601202

00:18:52.205 --> 00:18:53.424 we all are probably,
NOTE Confidence: 0.952608

00:18:54.605 --> 00:18:56.684 using creative ways to tackle
NOTE Confidence: 0.952608

00:18:56.684 --> 00:18:57.725 some more more of these
NOTE Confidence: 0.952608

00:18:57.725 --> 00:18:58.784 problems in pharmacotherapy.

NOTE Confidence: 0.9832637
00:18:59.600 --> 00:19:01.700 And by pooling our knowledge,
NOTE Confidence: 0.9832637
00:19:01.760 --> 00:19:03.200 we could probably all do
NOTE Confidence: 0.9832637
00:19:03.200 --> 00:19:04.260 better as a network,
NOTE Confidence: 0.915795
00:19:05.359 --> 00:19:06.900 in getting at these. And
NOTE Confidence: 0.9267757
00:19:07.359 --> 00:19:08.320 none of this is,
NOTE Confidence: 0.7184581
00:19:09.200 --> 00:19:10.340 is requires
NOTE Confidence: 0.9639978
00:19:10.720 --> 00:19:11.780 any special,
NOTE Confidence: 0.9997738
00:19:12.640 --> 00:19:13.140 equipment
NOTE Confidence: 0.82888055
00:19:13.440 --> 00:19:13.940 or,
NOTE Confidence: 0.9893784
00:19:15.385 --> 00:19:16.905 or tools, but it it
NOTE Confidence: 0.9893784
00:19:16.905 --> 00:19:18.505 does require sharing sort of
NOTE Confidence: 0.9893784
00:19:18.505 --> 00:19:19.005 standard
NOTE Confidence: 0.9886641
00:19:19.545 --> 00:19:21.244 lessons and and maybe
NOTE Confidence: 0.9952477
00:19:21.545 --> 00:19:23.725 informational materials and so on.
NOTE Confidence: 0.95874876
00:19:24.425 --> 00:19:25.465 And I can say more
NOTE Confidence: 0.95874876

00:19:25.465 --> 00:19:26.825 about this later because we
NOTE Confidence: 0.95874876

00:19:26.825 --> 00:19:27.325 are
NOTE Confidence: 0.9664386

00:19:27.670 --> 00:19:28.630 soon gonna be,
NOTE Confidence: 0.9303748

00:19:29.109 --> 00:19:30.890 launching, I'm hoping in July,
NOTE Confidence: 0.9927355

00:19:31.590 --> 00:19:33.510 a consultation service out of
NOTE Confidence: 0.9927355

00:19:33.510 --> 00:19:34.490 step for
NOTE Confidence: 0.9717003

00:19:34.869 --> 00:19:36.230 clinicians across the state to
NOTE Confidence: 0.9717003

00:19:36.230 --> 00:19:37.830 call just to curbside around
NOTE Confidence: 0.9717003

00:19:37.830 --> 00:19:39.369 some of these challenges with
NOTE Confidence: 0.9717003

00:19:39.510 --> 00:19:41.109 not just pharmacotherapy, but we
NOTE Confidence: 0.9717003

00:19:41.109 --> 00:19:42.230 expect many of them will
NOTE Confidence: 0.9717003

00:19:42.230 --> 00:19:43.404 be around pharmacotherapeutic,
NOTE Confidence: 0.9366027

00:19:44.744 --> 00:19:45.244 issues.
NOTE Confidence: 0.97129387

00:19:47.385 --> 00:19:49.404 So, so we're back here
NOTE Confidence: 0.97129387

00:19:49.625 --> 00:19:51.625 to where we started. And,
NOTE Confidence: 0.97129387

00:19:51.945 --> 00:19:52.924 the other component,

NOTE Confidence: 0.9446306
00:19:53.865 --> 00:19:55.565 we're gonna address is longitudinal
NOTE Confidence: 0.9893919
00:19:55.945 --> 00:19:57.085 evaluation. So
NOTE Confidence: 0.9831931
00:19:59.760 --> 00:20:01.760 we we regard sort of
NOTE Confidence: 0.9831931
00:20:01.760 --> 00:20:03.120 keeping an open mind and
NOTE Confidence: 0.9831931
00:20:03.120 --> 00:20:04.640 continuing to evaluate as a
NOTE Confidence: 0.9831931
00:20:04.640 --> 00:20:05.140 core
NOTE Confidence: 0.70792603
00:20:07.040 --> 00:20:08.180 value at step,
NOTE Confidence: 0.9792801
00:20:08.800 --> 00:20:10.400 and it it varies, of
NOTE Confidence: 0.9792801
00:20:10.400 --> 00:20:12.080 course, across the modules. So
NOTE Confidence: 0.9792801
00:20:12.080 --> 00:20:13.460 in module a,
NOTE Confidence: 0.9911833
00:20:13.855 --> 00:20:15.875 where we're often engaged with
NOTE Confidence: 0.9911833
00:20:16.095 --> 00:20:17.875 families and referral sources
NOTE Confidence: 0.9860375
00:20:18.654 --> 00:20:20.095 before they arrive in the
NOTE Confidence: 0.9860375
00:20:20.095 --> 00:20:20.595 clinic,
NOTE Confidence: 0.9974689
00:20:21.134 --> 00:20:22.255 we are gathering a lot
NOTE Confidence: 0.9974689

00:20:22.255 --> 00:20:23.855 of information that's very helpful
NOTE Confidence: 0.9974689

00:20:23.855 --> 00:20:24.595 in evaluating
NOTE Confidence: 0.98033494

00:20:25.534 --> 00:20:27.090 the the patient, but also
NOTE Confidence: 0.98033494

00:20:27.230 --> 00:20:29.390 understanding their delays, their pathways
NOTE Confidence: 0.98033494

00:20:29.390 --> 00:20:30.450 to care, understanding
NOTE Confidence: 0.9761687

00:20:31.309 --> 00:20:32.669 the network that they had
NOTE Confidence: 0.9761687

00:20:32.669 --> 00:20:33.789 to travel through to get
NOTE Confidence: 0.9761687

00:20:33.789 --> 00:20:34.770 into the clinic.
NOTE Confidence: 0.9647712

00:20:35.149 --> 00:20:36.590 And also the interactions with
NOTE Confidence: 0.9647712

00:20:36.590 --> 00:20:37.869 family members in the course
NOTE Confidence: 0.9647712

00:20:37.869 --> 00:20:39.230 of engaging a person into
NOTE Confidence: 0.9647712

00:20:39.230 --> 00:20:41.725 care can provide incredibly valuable
NOTE Confidence: 0.9647712

00:20:41.725 --> 00:20:43.645 information about the concerns, the
NOTE Confidence: 0.9647712

00:20:43.645 --> 00:20:44.145 capabilities,
NOTE Confidence: 0.99710196

00:20:44.445 --> 00:20:46.145 the issues that family members
NOTE Confidence: 0.9311571

00:20:46.445 --> 00:20:47.505 have, and the environment

NOTE Confidence: 0.99869084
00:20:48.045 --> 00:20:49.244 from which the patient is
NOTE Confidence: 0.99869084
00:20:49.244 --> 00:20:50.385 coming to the clinic.
NOTE Confidence: 0.96114343
00:20:50.765 --> 00:20:52.705 So it our assessments really
NOTE Confidence: 0.96114343
00:20:52.950 --> 00:20:54.869 and evaluations begin before the
NOTE Confidence: 0.96114343
00:20:54.869 --> 00:20:56.409 person hits the front door.
NOTE Confidence: 0.9970048
00:20:57.269 --> 00:20:58.230 When they are in the
NOTE Confidence: 0.9970048
00:20:58.230 --> 00:20:59.429 clinic, it looks a little
NOTE Confidence: 0.9970048
00:20:59.429 --> 00:21:00.630 bit more like a traditional
NOTE Confidence: 0.9970048
00:21:00.630 --> 00:21:02.230 clinical evaluation that I'm sure
NOTE Confidence: 0.9970048
00:21:02.230 --> 00:21:03.690 you're all engaged with.
NOTE Confidence: 0.98749983
00:21:04.070 --> 00:21:05.109 And the idea here, of
NOTE Confidence: 0.98749983
00:21:05.109 --> 00:21:06.010 course, is to
NOTE Confidence: 0.9796752
00:21:07.455 --> 00:21:09.215 to conduct a careful differential
NOTE Confidence: 0.9796752
00:21:09.215 --> 00:21:10.835 diagnosis to rule out,
NOTE Confidence: 0.98355645
00:21:11.455 --> 00:21:13.294 secondary causes of psychosis that
NOTE Confidence: 0.98355645

00:21:13.294 --> 00:21:14.734 we'll be covering in more
NOTE Confidence: 0.98355645

00:21:14.734 --> 00:21:16.654 detail next week. I know
NOTE Confidence: 0.98355645

00:21:16.654 --> 00:21:18.015 we flipped the modules because
NOTE Confidence: 0.98355645

00:21:18.015 --> 00:21:19.775 of of my absence last
NOTE Confidence: 0.98355645

00:21:19.775 --> 00:21:20.734 week, but we'll be talking
NOTE Confidence: 0.98355645

00:21:20.734 --> 00:21:22.880 about module b in more
NOTE Confidence: 0.9972127

00:21:23.340 --> 00:21:23.740 detail.
NOTE Confidence: 0.9718702

00:21:24.140 --> 00:21:25.900 We also engage in a
NOTE Confidence: 0.9718702

00:21:25.900 --> 00:21:27.520 more pluralistic case formulation.
NOTE Confidence: 0.99307925

00:21:27.900 --> 00:21:30.140 So not just what illness
NOTE Confidence: 0.99307925

00:21:30.140 --> 00:21:31.420 the patient might have and
NOTE Confidence: 0.99307925

00:21:31.420 --> 00:21:33.100 the differential diagnosis of the
NOTE Confidence: 0.99307925

00:21:33.100 --> 00:21:34.080 different possibilities,
NOTE Confidence: 0.97838897

00:21:34.744 --> 00:21:35.945 but also who they are,
NOTE Confidence: 0.97838897

00:21:35.945 --> 00:21:37.465 what sort of behavioral issues
NOTE Confidence: 0.97838897

00:21:37.465 --> 00:21:38.845 they have or are having,

NOTE Confidence: 0.9505133

00:21:39.465 --> 00:21:40.825 and their own life story

NOTE Confidence: 0.9505133

00:21:40.825 --> 00:21:42.185 and how to, build a

NOTE Confidence: 0.9505133

00:21:42.185 --> 00:21:42.685 narrative

NOTE Confidence: 0.9218393

00:21:43.065 --> 00:21:44.345 that helps make the best

NOTE Confidence: 0.9218393

00:21:44.345 --> 00:21:46.025 sense of how to, improve

NOTE Confidence: 0.9218393

00:21:46.025 --> 00:21:46.525 their

NOTE Confidence: 0.9326903

00:22:00.280 --> 00:22:01.880 improve their capability in the

NOTE Confidence: 0.9326903

00:22:01.880 --> 00:22:02.859 world. So,

NOTE Confidence: 0.6430791

00:22:04.040 --> 00:22:04.859 that point,

NOTE Confidence: 0.999676

00:22:05.365 --> 00:22:07.144 we have a formal presentation

NOTE Confidence: 0.999676

00:22:07.284 --> 00:22:08.184 in our clinic

NOTE Confidence: 0.9772409

00:22:08.565 --> 00:22:09.044 of,

NOTE Confidence: 0.9992269

00:22:09.365 --> 00:22:11.225 an overall assessment that includes

NOTE Confidence: 0.9708744

00:22:11.924 --> 00:22:14.024 the workup and differential diagnosis

NOTE Confidence: 0.9708744

00:22:14.164 --> 00:22:15.705 so far, a case formulation,

NOTE Confidence: 0.99663866

00:22:16.164 --> 00:22:17.365 and a chance for other
NOTE Confidence: 0.99663866

00:22:17.365 --> 00:22:18.565 members of the clinic who
NOTE Confidence: 0.99663866

00:22:18.565 --> 00:22:20.024 are not the primary caregivers
NOTE Confidence: 0.9913565

00:22:20.820 --> 00:22:22.440 to weigh in and critique
NOTE Confidence: 0.9913565

00:22:22.580 --> 00:22:24.840 and raise questions about management,
NOTE Confidence: 0.9774945

00:22:25.859 --> 00:22:27.220 in in in a sort
NOTE Confidence: 0.9774945

00:22:27.220 --> 00:22:28.580 of a a case conference
NOTE Confidence: 0.9774945

00:22:28.580 --> 00:22:29.940 mode, but really as a
NOTE Confidence: 0.9774945

00:22:29.940 --> 00:22:31.859 way of allowing the primary
NOTE Confidence: 0.9774945

00:22:31.859 --> 00:22:32.899 clinical team to get a
NOTE Confidence: 0.9774945

00:22:32.899 --> 00:22:34.419 second opinion from within the
NOTE Confidence: 0.9774945

00:22:34.419 --> 00:22:34.919 team
NOTE Confidence: 0.9984971

00:22:35.625 --> 00:22:37.305 on on managing various issues
NOTE Confidence: 0.9984971

00:22:37.305 --> 00:22:38.365 as they've come up.
NOTE Confidence: 0.970879

00:22:38.825 --> 00:22:40.425 So so that can that
NOTE Confidence: 0.970879

00:22:40.425 --> 00:22:41.465 happens at three months, and

NOTE Confidence: 0.970879

00:22:41.465 --> 00:22:42.665 then every six months, we

NOTE Confidence: 0.970879

00:22:42.665 --> 00:22:44.744 have a standard over, overall

NOTE Confidence: 0.970879

00:22:44.744 --> 00:22:45.785 review of of,

NOTE Confidence: 0.9954243

00:22:46.185 --> 00:22:47.484 progress in the case.

NOTE Confidence: 0.9993284

00:22:48.119 --> 00:22:48.859 And we

NOTE Confidence: 0.98731744

00:22:49.400 --> 00:22:50.940 you know, with these illnesses,

NOTE Confidence: 0.9627448

00:22:52.119 --> 00:22:53.720 the best diagnostic tool is

NOTE Confidence: 0.9627448

00:22:53.720 --> 00:22:54.220 longitudinal

NOTE Confidence: 0.9776163

00:22:54.600 --> 00:22:55.580 follow-up. So

NOTE Confidence: 0.8629671

00:22:56.040 --> 00:22:57.180 there are individual

NOTE Confidence: 0.96277106

00:22:59.400 --> 00:23:00.680 cases where it's very hard

NOTE Confidence: 0.96277106

00:23:00.680 --> 00:23:01.960 to figure out the relative

NOTE Confidence: 0.96277106

00:23:01.960 --> 00:23:03.855 contribution of substance use versus

NOTE Confidence: 0.98335767

00:23:04.415 --> 00:23:06.915 personality dysfunction versus the primary

NOTE Confidence: 0.98335767

00:23:06.975 --> 00:23:08.895 psychotic illness. And this is

NOTE Confidence: 0.98335767

00:23:08.895 --> 00:23:10.035 only clear
NOTE Confidence: 0.9874271

00:23:10.575 --> 00:23:11.535 as we get to know
NOTE Confidence: 0.9874271

00:23:11.535 --> 00:23:12.655 people over time. And so
NOTE Confidence: 0.9874271

00:23:12.655 --> 00:23:13.715 it's important to
NOTE Confidence: 0.96074367

00:23:14.015 --> 00:23:15.155 revisit the formulation,
NOTE Confidence: 0.9985802

00:23:16.490 --> 00:23:18.010 periodically within the team setting
NOTE Confidence: 0.9985802

00:23:18.010 --> 00:23:19.050 to make sure that we're
NOTE Confidence: 0.9985802

00:23:19.050 --> 00:23:19.550 providing
NOTE Confidence: 0.9991319

00:23:19.850 --> 00:23:21.150 the best care. So
NOTE Confidence: 0.99483037

00:23:21.450 --> 00:23:22.730 I I think that Laura
NOTE Confidence: 0.99483037

00:23:22.730 --> 00:23:24.030 wanted me to just remind
NOTE Confidence: 0.99483037

00:23:24.250 --> 00:23:25.770 us and all of you
NOTE Confidence: 0.99483037

00:23:25.770 --> 00:23:27.230 about the importance of
NOTE Confidence: 0.9444804

00:23:27.610 --> 00:23:29.290 continued evaluation in a clinic
NOTE Confidence: 0.9444804

00:23:29.290 --> 00:23:30.490 like this even while it's
NOTE Confidence: 0.9444804

00:23:30.490 --> 00:23:31.630 organized around

NOTE Confidence: 0.9780829

00:23:32.065 --> 00:23:33.744 a group of, disorders that

NOTE Confidence: 0.9780829

00:23:33.744 --> 00:23:34.885 fall within schizophrenia.

NOTE Confidence: 0.9927994

00:23:35.585 --> 00:23:36.785 We recognize there's a lot

NOTE Confidence: 0.9927994

00:23:36.785 --> 00:23:37.365 of heterogeneity

NOTE Confidence: 0.99862933

00:23:37.665 --> 00:23:38.885 within that comorbidity

NOTE Confidence: 0.935326

00:23:39.345 --> 00:23:40.165 with other,

NOTE Confidence: 0.9871993

00:23:40.785 --> 00:23:42.725 substance use disorders and behavioral,

NOTE Confidence: 0.8909828

00:23:43.265 --> 00:23:43.765 disorders.

NOTE Confidence: 0.99459475

00:23:44.130 --> 00:23:45.250 And so we we try

NOTE Confidence: 0.99459475

00:23:45.250 --> 00:23:46.530 to keep that as part

NOTE Confidence: 0.99459475

00:23:46.530 --> 00:23:47.570 of our ethos in the

NOTE Confidence: 0.99459475

00:23:47.570 --> 00:23:49.670 clinic and keep reevaluating,

NOTE Confidence: 0.9544169

00:23:51.410 --> 00:23:53.270 in a team whether we're

NOTE Confidence: 0.9544169

00:23:53.410 --> 00:23:54.690 missing something or need to

NOTE Confidence: 0.9544169

00:23:54.690 --> 00:23:56.210 address something we hadn't picked

NOTE Confidence: 0.9544169

00:23:56.210 --> 00:23:57.670 up at the initial assessment.
NOTE Confidence: 0.87329257

00:24:01.715 --> 00:24:02.215 And,
NOTE Confidence: 0.9408011

00:24:03.875 --> 00:24:04.375 so,
NOTE Confidence: 0.9796814

00:24:05.234 --> 00:24:06.515 the last slide here I
NOTE Confidence: 0.9796814

00:24:06.515 --> 00:24:07.475 I think this is the
NOTE Confidence: 0.9796814

00:24:07.475 --> 00:24:08.855 last slide. Yes. Good.
NOTE Confidence: 0.99586886

00:24:09.475 --> 00:24:11.359 Is to return to this
NOTE Confidence: 0.99586886

00:24:11.359 --> 00:24:13.119 issue of of culture and
NOTE Confidence: 0.99586886

00:24:13.119 --> 00:24:13.859 how important
NOTE Confidence: 0.7484412

00:24:15.359 --> 00:24:16.100 it is.
NOTE Confidence: 0.99221635

00:24:16.560 --> 00:24:17.520 I know Laura talked a
NOTE Confidence: 0.99221635

00:24:17.520 --> 00:24:18.880 little bit about Huddl, which
NOTE Confidence: 0.99221635

00:24:18.880 --> 00:24:20.260 is one of my favorite,
NOTE Confidence: 0.99964786

00:24:20.880 --> 00:24:21.940 meetings in the clinic.
NOTE Confidence: 0.9812338

00:24:22.480 --> 00:24:23.359 It's a chance to do
NOTE Confidence: 0.9812338

00:24:23.359 --> 00:24:24.880 many different things, but also

NOTE Confidence: 0.9812338
00:24:24.880 --> 00:24:25.380 to
NOTE Confidence: 0.9914768
00:24:25.715 --> 00:24:26.994 make sure that the values
NOTE Confidence: 0.9914768
00:24:26.994 --> 00:24:28.195 that we espouse as a
NOTE Confidence: 0.9914768
00:24:28.195 --> 00:24:30.535 service that is inclusive, open,
NOTE Confidence: 0.9972426
00:24:31.155 --> 00:24:32.935 providing the most effective care,
NOTE Confidence: 0.99933463
00:24:33.555 --> 00:24:34.375 is accessible
NOTE Confidence: 0.98499745
00:24:34.755 --> 00:24:36.435 to families and patients where
NOTE Confidence: 0.98499745
00:24:36.435 --> 00:24:37.815 we're constantly reevaluating
NOTE Confidence: 0.99435943
00:24:38.990 --> 00:24:40.350 is actually happening in the
NOTE Confidence: 0.99435943
00:24:40.350 --> 00:24:41.390 course of care,
NOTE Confidence: 0.97611046
00:24:41.710 --> 00:24:42.930 even as we're discussing,
NOTE Confidence: 0.9982107
00:24:43.869 --> 00:24:45.550 issues that arise that might
NOTE Confidence: 0.9982107
00:24:45.550 --> 00:24:46.690 be acute and
NOTE Confidence: 0.92183477
00:24:47.310 --> 00:24:48.430 require a change in the
NOTE Confidence: 0.92183477
00:24:48.430 --> 00:24:48.930 plan,
NOTE Confidence: 0.9885339

00:24:49.630 --> 00:24:50.670 and a chance to also
NOTE Confidence: 0.9885339

00:24:50.670 --> 00:24:51.710 assess how the team is
NOTE Confidence: 0.9885339

00:24:51.710 --> 00:24:53.355 doing and whether they feel
NOTE Confidence: 0.9885339

00:24:53.515 --> 00:24:55.054 supported and whether they're managing
NOTE Confidence: 0.9885339

00:24:55.195 --> 00:24:55.695 under,
NOTE Confidence: 0.9977697

00:24:57.035 --> 00:24:58.635 the the stress of having
NOTE Confidence: 0.9977697

00:24:58.635 --> 00:24:59.294 to provide
NOTE Confidence: 0.99747694

00:25:00.155 --> 00:25:01.674 lots at different times to
NOTE Confidence: 0.99747694

00:25:01.674 --> 00:25:02.715 different people who may be
NOTE Confidence: 0.99747694

00:25:02.715 --> 00:25:04.255 cycling in and out of
NOTE Confidence: 0.96990603

00:25:04.794 --> 00:25:06.315 stability and recovery and then
NOTE Confidence: 0.96990603

00:25:06.315 --> 00:25:07.375 relapse again.
NOTE Confidence: 0.99502313

00:25:08.280 --> 00:25:09.740 We try to use our
NOTE Confidence: 0.99502313

00:25:09.880 --> 00:25:11.560 data that we collect as
NOTE Confidence: 0.99502313

00:25:11.560 --> 00:25:12.619 part of these assessments,
NOTE Confidence: 0.99965954

00:25:13.880 --> 00:25:14.859 to help clinicians

NOTE Confidence: 0.996308
00:25:15.240 --> 00:25:17.000 understand their impact on the
NOTE Confidence: 0.996308
00:25:17.000 --> 00:25:18.780 population's health. So
NOTE Confidence: 0.8819249
00:25:19.480 --> 00:25:20.920 the goal here is to,
NOTE Confidence: 0.99873775
00:25:21.720 --> 00:25:23.100 help everyone see
NOTE Confidence: 0.99973834
00:25:23.674 --> 00:25:24.794 what the clinic is able
NOTE Confidence: 0.99973834
00:25:24.794 --> 00:25:25.455 to accomplish
NOTE Confidence: 0.9904121
00:25:25.914 --> 00:25:27.515 in terms of reducing relapse
NOTE Confidence: 0.9904121
00:25:27.515 --> 00:25:28.335 and rehospitalization
NOTE Confidence: 0.895778
00:25:28.794 --> 00:25:29.534 and improving
NOTE Confidence: 0.9880801
00:25:29.994 --> 00:25:31.054 vocational outcomes.
NOTE Confidence: 0.9891428
00:25:31.355 --> 00:25:32.715 And I'll say a little
NOTE Confidence: 0.9891428
00:25:32.715 --> 00:25:33.674 bit more about this at
NOTE Confidence: 0.9891428
00:25:33.674 --> 00:25:34.715 the last session where we
NOTE Confidence: 0.9891428
00:25:34.715 --> 00:25:35.674 will talk a little bit
NOTE Confidence: 0.9891428
00:25:35.674 --> 00:25:37.054 more about how we use
NOTE Confidence: 0.9924248

00:25:37.759 --> 00:25:39.779 the structured assessments we collect

NOTE Confidence: 0.96522427

00:25:40.240 --> 00:25:41.779 to help the clinic navigate,

NOTE Confidence: 0.9768091

00:25:43.440 --> 00:25:44.799 and get feedback on what

NOTE Confidence: 0.9768091

00:25:44.799 --> 00:25:45.759 it should do in terms

NOTE Confidence: 0.9768091

00:25:45.759 --> 00:25:46.820 of its care processes.

NOTE Confidence: 0.99151033

00:25:47.759 --> 00:25:48.980 Such that if we discover,

NOTE Confidence: 0.99151033

00:25:49.039 --> 00:25:50.559 for example, that our rates

NOTE Confidence: 0.99151033

00:25:50.559 --> 00:25:51.059 of

NOTE Confidence: 0.97327477

00:25:51.785 --> 00:25:53.484 smoking have been going up

NOTE Confidence: 0.97327477

00:25:53.705 --> 00:25:54.765 quarter on quarter,

NOTE Confidence: 0.9911939

00:25:55.304 --> 00:25:56.345 we can have a discussion

NOTE Confidence: 0.9911939

00:25:56.345 --> 00:25:57.465 at the clinic level about

NOTE Confidence: 0.9911939

00:25:57.465 --> 00:25:58.605 what we might do,

NOTE Confidence: 0.98622847

00:25:59.385 --> 00:26:01.544 around smoking cessation efforts and

NOTE Confidence: 0.98622847

00:26:01.544 --> 00:26:03.225 and educational efforts with our

NOTE Confidence: 0.98622847

00:26:03.225 --> 00:26:05.270 patients. So it's a shared

NOTE Confidence: 0.98622847
00:26:05.490 --> 00:26:06.630 project together
NOTE Confidence: 0.99280864
00:26:07.010 --> 00:26:08.210 to use data to help
NOTE Confidence: 0.99280864
00:26:08.210 --> 00:26:10.470 everyone improve population outcomes.
NOTE Confidence: 0.9942281
00:26:12.530 --> 00:26:13.030 And
NOTE Confidence: 0.99955374
00:26:13.410 --> 00:26:14.550 we we've tried
NOTE Confidence: 0.9540507
00:26:14.850 --> 00:26:16.930 over the the years to,
NOTE Confidence: 0.983491
00:26:17.524 --> 00:26:19.705 connect our clinicians to activities
NOTE Confidence: 0.983491
00:26:19.764 --> 00:26:21.465 for their own professional development,
NOTE Confidence: 0.983491
00:26:21.605 --> 00:26:22.904 CME, but also
NOTE Confidence: 0.9533599
00:26:23.365 --> 00:26:25.284 inviting discussions into the clinic
NOTE Confidence: 0.9533599
00:26:25.284 --> 00:26:26.984 to talk about difficult cases,
NOTE Confidence: 0.71806437
00:26:29.284 --> 00:26:29.784 presentations,
NOTE Confidence: 0.9737799
00:26:30.244 --> 00:26:31.924 and opportunities to present at
NOTE Confidence: 0.9737799
00:26:31.924 --> 00:26:34.390 local conferences where clinicians
NOTE Confidence: 0.99356073
00:26:35.250 --> 00:26:36.869 have acquired specific expertise
NOTE Confidence: 0.99594927

00:26:37.250 --> 00:26:38.450 that they can use to
NOTE Confidence: 0.99594927

00:26:38.450 --> 00:26:39.190 teach others.
NOTE Confidence: 0.9683993

00:26:39.890 --> 00:26:41.510 And I'm hoping actually that
NOTE Confidence: 0.9683993

00:26:41.650 --> 00:26:43.170 one big growth opportunity for
NOTE Confidence: 0.9683993

00:26:43.170 --> 00:26:44.450 our step clinicians over the
NOTE Confidence: 0.9683993

00:26:44.450 --> 00:26:46.355 next few years will be
NOTE Confidence: 0.9683993

00:26:46.355 --> 00:26:47.315 interacting with,
NOTE Confidence: 0.9516485

00:26:47.875 --> 00:26:48.835 with all of you in
NOTE Confidence: 0.9516485

00:26:48.835 --> 00:26:50.294 your clinics and sharing,
NOTE Confidence: 0.9951349

00:26:51.234 --> 00:26:53.234 lessons they've learned as as
NOTE Confidence: 0.9951349

00:26:53.234 --> 00:26:55.154 expert clinicians with others, their
NOTE Confidence: 0.9951349

00:26:55.154 --> 00:26:55.654 peers,
NOTE Confidence: 0.9719753

00:26:55.955 --> 00:26:57.174 which I think can be,
NOTE Confidence: 0.9677227

00:26:58.280 --> 00:26:59.480 a huge value add to
NOTE Confidence: 0.9677227

00:26:59.480 --> 00:27:00.679 the to the work that
NOTE Confidence: 0.9677227

00:27:00.679 --> 00:27:01.880 we do together and can

NOTE Confidence: 0.9677227

00:27:01.880 --> 00:27:02.380 prevent,

NOTE Confidence: 0.99331075

00:27:03.480 --> 00:27:04.679 we hope, you know, the

NOTE Confidence: 0.99331075

00:27:04.679 --> 00:27:05.179 kind

NOTE Confidence: 0.83965254

00:27:06.679 --> 00:27:07.340 of, demoralization

NOTE Confidence: 0.991035

00:27:07.720 --> 00:27:08.840 that can sink in if

NOTE Confidence: 0.991035

00:27:08.840 --> 00:27:10.119 you feel like you're you're

NOTE Confidence: 0.991035

00:27:10.119 --> 00:27:12.385 not getting adequate feedback or

NOTE Confidence: 0.991035

00:27:12.385 --> 00:27:13.525 you're not getting better

NOTE Confidence: 0.8588399

00:27:13.825 --> 00:27:14.725 at your job.

NOTE Confidence: 0.990482

00:27:15.905 --> 00:27:17.345 So I'll stop there because

NOTE Confidence: 0.990482

00:27:17.345 --> 00:27:18.545 I'm anxious to give us

NOTE Confidence: 0.990482

00:27:18.545 --> 00:27:19.585 as much time as possible

NOTE Confidence: 0.990482

00:27:19.585 --> 00:27:20.405 to to

NOTE Confidence: 0.9502599

00:27:21.425 --> 00:27:21.920 to engage.