

WEBVTT

NOTE duration:"00:59:56"

NOTE recognizability:0.814

NOTE language:en-us

NOTE Confidence: 0.808728346428571

00:00:00.000 --> 00:00:02.920 And so without further introductions,

NOTE Confidence: 0.808728346428571

00:00:02.920 --> 00:00:07.239 it's really a pleasure to introduce our

NOTE Confidence: 0.808728346428571

00:00:07.239 --> 00:00:09.683 speaker today, Doctor Lucas Donovan,

NOTE Confidence: 0.808728346428571

00:00:09.683 --> 00:00:11.969 who is my former residency colleague

NOTE Confidence: 0.808728346428571

00:00:11.969 --> 00:00:14.221 from Beth Israel Deaconess in Boston

NOTE Confidence: 0.808728346428571

00:00:14.221 --> 00:00:16.340 and is a talented researcher like

NOTE Confidence: 0.808728346428571

00:00:16.340 --> 00:00:18.101 Drew Carey and LeBron James. Dr.

NOTE Confidence: 0.808728346428571

00:00:18.101 --> 00:00:20.018 Donovan was born in Cleveland, OH.

NOTE Confidence: 0.808728346428571

00:00:20.018 --> 00:00:23.058 He received his undergrad degree

NOTE Confidence: 0.808728346428571

00:00:23.060 --> 00:00:25.216 and his MD from Case Western before

NOTE Confidence: 0.808728346428571

00:00:25.216 --> 00:00:27.919 moving on to Beth Israel for residency

NOTE Confidence: 0.808728346428571

00:00:27.919 --> 00:00:30.059 training and his Sleep fellowship.

NOTE Confidence: 0.808728346428571

00:00:30.060 --> 00:00:31.650 And he was then recruited to

NOTE Confidence: 0.808728346428571

00:00:31.650 --> 00:00:33.063 University of Washington for pulmonary  
NOTE Confidence: 0.808728346428571

00:00:33.063 --> 00:00:34.553 Critical Care Fellowship and has  
NOTE Confidence: 0.808728346428571

00:00:34.553 --> 00:00:36.309 been there in faculty ever since.  
NOTE Confidence: 0.808728346428571

00:00:36.310 --> 00:00:38.260 His current appointment is both at  
NOTE Confidence: 0.808728346428571

00:00:38.260 --> 00:00:40.649 University of Washington at and at the VA  
NOTE Confidence: 0.808728346428571

00:00:40.649 --> 00:00:42.670 of Puget Sound Healthcare System in Seattle.  
NOTE Confidence: 0.808728346428571

00:00:42.670 --> 00:00:44.490 And Luke is, you know,  
NOTE Confidence: 0.808728346428571

00:00:44.490 --> 00:00:46.566 he's deeply devoted to caring for  
NOTE Confidence: 0.808728346428571

00:00:46.566 --> 00:00:47.950 the vulnerable veteran population,  
NOTE Confidence: 0.808728346428571

00:00:47.950 --> 00:00:49.425 which has been a consistent  
NOTE Confidence: 0.808728346428571

00:00:49.425 --> 00:00:50.605 focus of his work.  
NOTE Confidence: 0.808728346428571

00:00:50.610 --> 00:00:52.586 His work is funded by the VA Health  
NOTE Confidence: 0.808728346428571

00:00:52.586 --> 00:00:54.420 Services and Research and Development.  
NOTE Confidence: 0.808728346428571

00:00:54.420 --> 00:00:56.976 Through the Career Development Awards as  
NOTE Confidence: 0.808728346428571

00:00:56.976 --> 00:01:00.088 well as the prestigious Merit award and you,  
NOTE Confidence: 0.808728346428571

00:01:00.090 --> 00:01:02.435 Luke has a unique combination of expertise.

NOTE Confidence: 0.808728346428571  
00:01:02.440 --> 00:01:04.192 He's comfortable with basic science and  
NOTE Confidence: 0.808728346428571  
00:01:04.192 --> 00:01:06.720 all the way to implementation research.  
NOTE Confidence: 0.808728346428571  
00:01:06.720 --> 00:01:09.590 So he started his research career at  
NOTE Confidence: 0.808728346428571  
00:01:09.590 --> 00:01:11.996 Case Western with Doctor King and Stroll  
NOTE Confidence: 0.808728346428571  
00:01:11.996 --> 00:01:13.760 and looked at sleep apnea Physiology,  
NOTE Confidence: 0.808728346428571  
00:01:13.760 --> 00:01:16.448 ventilator control and then now focuses  
NOTE Confidence: 0.808728346428571  
00:01:16.448 --> 00:01:19.245 on sleep apnea among individuals with  
NOTE Confidence: 0.808728346428571  
00:01:19.245 --> 00:01:22.023 high comorbidity burden such as those  
NOTE Confidence: 0.808728346428571  
00:01:22.023 --> 00:01:24.818 COPD or opioid use disorder and.  
NOTE Confidence: 0.808728346428571  
00:01:24.820 --> 00:01:27.823 It does work in redesign of sleep  
NOTE Confidence: 0.808728346428571  
00:01:27.823 --> 00:01:29.110 apnea care delivery.  
NOTE Confidence: 0.808728346428571  
00:01:29.110 --> 00:01:31.329 And so his his current grants are  
NOTE Confidence: 0.808728346428571  
00:01:31.329 --> 00:01:33.443 focused on virtual sleep care and  
NOTE Confidence: 0.808728346428571  
00:01:33.443 --> 00:01:35.273 pragmatic approaches to weight loss  
NOTE Confidence: 0.808728346428571  
00:01:35.273 --> 00:01:37.898 and sleep apnea patients as well as  
NOTE Confidence: 0.808728346428571

00:01:37.898 --> 00:01:39.728 pragmatic approaches to COPD care.  
NOTE Confidence: 0.808728346428571

00:01:39.730 --> 00:01:42.313 And his work has been recognized by  
NOTE Confidence: 0.808728346428571

00:01:42.313 --> 00:01:44.136 several different agencies and those  
NOTE Confidence: 0.808728346428571

00:01:44.136 --> 00:01:46.404 prestigious ones in the last two years,  
NOTE Confidence: 0.808728346428571

00:01:46.410 --> 00:01:48.318 just the last two years James  
NOTE Confidence: 0.808728346428571

00:01:48.318 --> 00:01:50.046 scattered award for new investigator  
NOTE Confidence: 0.808728346428571

00:01:50.046 --> 00:01:52.818 and also last year Joe Ray Wright  
NOTE Confidence: 0.808728346428571

00:01:52.818 --> 00:01:54.810 Outstanding Science Award from the ETS.  
NOTE Confidence: 0.808728346428571

00:01:54.810 --> 00:01:56.890 And so personal note Luke is a kind  
NOTE Confidence: 0.808728346428571

00:01:56.890 --> 00:01:58.864 soul and a guy you want to run  
NOTE Confidence: 0.808728346428571

00:01:58.864 --> 00:02:01.094 into at the sleep and a TS meetings  
NOTE Confidence: 0.808728346428571

00:02:01.094 --> 00:02:02.338 and he's an outstanding.  
NOTE Confidence: 0.808728346428571

00:02:02.340 --> 00:02:04.664 Speaker so I'm excited to hear his  
NOTE Confidence: 0.808728346428571

00:02:04.664 --> 00:02:06.749 talk on reorganizing sleep apnea care,  
NOTE Confidence: 0.808728346428571

00:02:06.750 --> 00:02:08.686 so please give a warm welcome to Luke.  
NOTE Confidence: 0.90619741

00:02:11.950 --> 00:02:13.970 Alright, thank you so much.

NOTE Confidence: 0.90619741

00:02:13.970 --> 00:02:16.935 I really appreciate the opportunity

NOTE Confidence: 0.90619741

00:02:16.935 --> 00:02:19.672 to to speak to you all today

NOTE Confidence: 0.90619741

00:02:19.672 --> 00:02:22.045 and in particular my some of

NOTE Confidence: 0.90619741

00:02:22.045 --> 00:02:24.205 my colleagues from Beth Israel.

NOTE Confidence: 0.90619741

00:02:24.210 --> 00:02:26.730 I remember my time there very

NOTE Confidence: 0.90619741

00:02:26.730 --> 00:02:29.325 fondly and it's great to see

NOTE Confidence: 0.90619741

00:02:29.325 --> 00:02:31.925 some some familiar faces and look

NOTE Confidence: 0.90619741

00:02:31.925 --> 00:02:35.135 forward to a good good discussion.

NOTE Confidence: 0.90619741

00:02:35.140 --> 00:02:39.470 Can everyone see my slide?

NOTE Confidence: 0.90619741

00:02:39.470 --> 00:02:42.908 Should be the disclosure slide first.

NOTE Confidence: 0.90619741

00:02:42.910 --> 00:02:45.400 Excellent. Alright.

NOTE Confidence: 0.73318029

00:02:54.160 --> 00:02:55.910 This is Andre pointed out.

NOTE Confidence: 0.73318029

00:02:55.910 --> 00:02:59.480 Today I'm going to be talking primarily

NOTE Confidence: 0.73318029

00:02:59.480 --> 00:03:01.689 around reorganizing services for OSA,

NOTE Confidence: 0.73318029

00:03:01.690 --> 00:03:03.885 and in particular how we

NOTE Confidence: 0.73318029

00:03:03.885 --> 00:03:06.080 organize them towards the triple  
NOTE Confidence: 0.73318029

00:03:06.159 --> 00:03:09.910 aim to achieve each of those,  
NOTE Confidence: 0.73318029

00:03:09.910 --> 00:03:11.650 each of the triple names components.  
NOTE Confidence: 0.884713654285714

00:03:14.550 --> 00:03:16.594 I have no relevant conflicts of interest,  
NOTE Confidence: 0.884713654285714

00:03:16.600 --> 00:03:17.824 and it's important to note that  
NOTE Confidence: 0.884713654285714

00:03:17.824 --> 00:03:19.342 my views do not represent the  
NOTE Confidence: 0.884713654285714

00:03:19.342 --> 00:03:20.646 Department of Veterans Affairs.  
NOTE Confidence: 0.874223860526316

00:03:24.190 --> 00:03:25.582 3 objectives for today.  
NOTE Confidence: 0.874223860526316

00:03:25.582 --> 00:03:27.670 First is to describe the challenges  
NOTE Confidence: 0.874223860526316

00:03:27.738 --> 00:03:29.578 facing the delivery of care  
NOTE Confidence: 0.874223860526316

00:03:29.578 --> 00:03:31.050 for obstructive sleep apnea.  
NOTE Confidence: 0.874223860526316

00:03:31.050 --> 00:03:32.770 The second is to understand  
NOTE Confidence: 0.874223860526316

00:03:32.770 --> 00:03:34.146 the existing opportunities and  
NOTE Confidence: 0.874223860526316

00:03:34.146 --> 00:03:35.549 expand to expand services.  
NOTE Confidence: 0.874223860526316

00:03:35.550 --> 00:03:39.360 And they're not overlapping limitations.  
NOTE Confidence: 0.874223860526316

00:03:39.360 --> 00:03:41.934 Describe the role of the referral

NOTE Confidence: 0.874223860526316  
00:03:41.934 --> 00:03:44.358 coordination in reorganizing care and if we,  
NOTE Confidence: 0.874223860526316  
00:03:44.360 --> 00:03:45.520 if we have time,  
NOTE Confidence: 0.874223860526316  
00:03:45.520 --> 00:03:47.260 also spend some time talking a  
NOTE Confidence: 0.874223860526316  
00:03:47.326 --> 00:03:49.271 little bit about a population  
NOTE Confidence: 0.874223860526316  
00:03:49.271 --> 00:03:51.216 health approach to managing care.  
NOTE Confidence: 0.845015110526316  
00:03:55.410 --> 00:03:57.104 So I'm sure you're all aware that  
NOTE Confidence: 0.845015110526316  
00:03:57.104 --> 00:03:58.944 OSC is an exceedingly common  
NOTE Confidence: 0.845015110526316  
00:03:58.944 --> 00:04:00.522 disorder affecting approximately  
NOTE Confidence: 0.845015110526316  
00:04:00.522 --> 00:04:02.626 1 billion individuals worldwide,  
NOTE Confidence: 0.845015110526316  
00:04:02.630 --> 00:04:05.150 54 million adults in the United States.  
NOTE Confidence: 0.845015110526316  
00:04:05.150 --> 00:04:07.238 Treatment among many of these individuals  
NOTE Confidence: 0.845015110526316  
00:04:07.238 --> 00:04:09.200 is likely to improve symptoms,  
NOTE Confidence: 0.845015110526316  
00:04:09.200 --> 00:04:10.992 including quality of life,  
NOTE Confidence: 0.845015110526316  
00:04:10.992 --> 00:04:13.340 with improvement in other health related  
NOTE Confidence: 0.845015110526316  
00:04:13.340 --> 00:04:14.715 outcomes such as blood pressure.  
NOTE Confidence: 0.782618693

00:04:17.960 --> 00:04:19.780 But OSA and its implications  
NOTE Confidence: 0.782618693

00:04:19.780 --> 00:04:21.600 and management are not uniform.  
NOTE Confidence: 0.782618693

00:04:21.600 --> 00:04:24.246 There's mark heterogeneity and it was a  
NOTE Confidence: 0.782618693

00:04:24.246 --> 00:04:26.210 presentation in response to treatment.  
NOTE Confidence: 0.782618693

00:04:26.210 --> 00:04:27.782 Including ratings of different  
NOTE Confidence: 0.782618693

00:04:27.782 --> 00:04:28.568 symptom presentations,  
NOTE Confidence: 0.782618693

00:04:28.570 --> 00:04:30.162 ranging from individuals with  
NOTE Confidence: 0.782618693

00:04:30.162 --> 00:04:31.356 excessive daytime sleepiness  
NOTE Confidence: 0.782618693

00:04:31.356 --> 00:04:33.270 to those with no symptoms.  
NOTE Confidence: 0.782618693

00:04:33.270 --> 00:04:34.945 And there are important interactions  
NOTE Confidence: 0.782618693

00:04:34.945 --> 00:04:36.620 with Common Core morbidities such  
NOTE Confidence: 0.782618693

00:04:36.675 --> 00:04:38.816 as heart failure, stroke and COPD.  
NOTE Confidence: 0.782618693

00:04:38.816 --> 00:04:41.026 And appropriate diagnostic and treatment  
NOTE Confidence: 0.782618693

00:04:41.026 --> 00:04:43.756 approaches are going to differ based  
NOTE Confidence: 0.782618693

00:04:43.756 --> 00:04:45.536 on those presenting characteristics.  
NOTE Confidence: 0.8555751125

00:04:47.930 --> 00:04:50.378 In addition to different

NOTE Confidence: 0.8555751125

00:04:50.378 --> 00:04:52.826 differences in in presentation,

NOTE Confidence: 0.8555751125

00:04:52.830 --> 00:04:54.486 there are also numerous treatment approaches,

NOTE Confidence: 0.8555751125

00:04:54.490 --> 00:04:56.662 each with nuance selection criteria and

NOTE Confidence: 0.8555751125

00:04:56.662 --> 00:04:59.090 standards for follow up and maintenance.

NOTE Confidence: 0.8555751125

00:04:59.090 --> 00:05:00.990 And many of these procedures,

NOTE Confidence: 0.8555751125

00:05:00.990 --> 00:05:03.906 particularly surgery as well as the

NOTE Confidence: 0.8555751125

00:05:03.910 --> 00:05:06.130 the the fabrication and and and

NOTE Confidence: 0.8555751125

00:05:06.130 --> 00:05:08.234 fitting of oral appliances require

NOTE Confidence: 0.8555751125

00:05:08.234 --> 00:05:10.478 collaborations with other providers.

NOTE Confidence: 0.736729362

00:05:13.410 --> 00:05:15.230 And finally, there are additional

NOTE Confidence: 0.736729362

00:05:15.230 --> 00:05:15.958 administrative complexities

NOTE Confidence: 0.736729362

00:05:15.958 --> 00:05:17.050 in coordinating services.

NOTE Confidence: 0.736729362

00:05:17.050 --> 00:05:19.410 Even if you know what a patient needs,

NOTE Confidence: 0.736729362

00:05:19.410 --> 00:05:20.967 how do you deliver it and make it happen?

NOTE Confidence: 0.786614029473684

00:05:25.150 --> 00:05:27.118 These complexities have contributed to an

NOTE Confidence: 0.786614029473684

00:05:27.118 --> 00:05:29.578 approach to USA that is highly dependent

NOTE Confidence: 0.786614029473684

00:05:29.578 --> 00:05:31.762 on specialists and specialty care centers.

NOTE Confidence: 0.786614029473684

00:05:31.770 --> 00:05:33.906 More so than other common conditions.

NOTE Confidence: 0.786614029473684

00:05:33.910 --> 00:05:36.526 Specialists serve as the prime as the main

NOTE Confidence: 0.786614029473684

00:05:36.526 --> 00:05:39.248 provider of care for obstructive sleep apnea.

NOTE Confidence: 0.786614029473684

00:05:39.250 --> 00:05:41.950 And in the historical model,

NOTE Confidence: 0.786614029473684

00:05:41.950 --> 00:05:44.550 PCP's refer patients to specialists

NOTE Confidence: 0.786614029473684

00:05:44.550 --> 00:05:47.636 who see patients in person provide

NOTE Confidence: 0.786614029473684

00:05:47.636 --> 00:05:50.066 longitudinal care for the disorder,

NOTE Confidence: 0.786614029473684

00:05:50.070 --> 00:05:52.275 which primarily revolved

NOTE Confidence: 0.786614029473684

00:05:52.275 --> 00:05:55.215 around in person services.

NOTE Confidence: 0.786614029473684

00:05:55.220 --> 00:05:57.170 We've moved away from this a

NOTE Confidence: 0.786614029473684

00:05:57.170 --> 00:05:58.860 little bit with remote care,

NOTE Confidence: 0.786614029473684

00:05:58.860 --> 00:06:01.177 but in general the the primary approach

NOTE Confidence: 0.786614029473684

00:06:01.177 --> 00:06:03.099 within the United States is very,

NOTE Confidence: 0.786614029473684

00:06:03.100 --> 00:06:04.440 very much specialist driven.

NOTE Confidence: 0.857425107368421

00:06:07.970 --> 00:06:10.119 However, I think, I think there's a

NOTE Confidence: 0.857425107368421

00:06:10.119 --> 00:06:12.575 fair amount of of of agreement that

NOTE Confidence: 0.857425107368421

00:06:12.575 --> 00:06:14.415 this approach is not sustainable.

NOTE Confidence: 0.857425107368421

00:06:14.420 --> 00:06:16.172 There's a marked mismatch between the

NOTE Confidence: 0.857425107368421

00:06:16.172 --> 00:06:18.221 number of sleep providers in the US and

NOTE Confidence: 0.857425107368421

00:06:18.221 --> 00:06:19.940 the volume of patients who need services.

NOTE Confidence: 0.857425107368421

00:06:19.940 --> 00:06:21.176 Compounding this managed this

NOTE Confidence: 0.857425107368421

00:06:21.176 --> 00:06:23.030 mismatch is the fact that providers

NOTE Confidence: 0.857425107368421

00:06:23.086 --> 00:06:24.418 are not equally distributed.

NOTE Confidence: 0.857425107368421

00:06:24.420 --> 00:06:26.620 They're geographically clustered in urban

NOTE Confidence: 0.857425107368421

00:06:26.620 --> 00:06:30.080 areas as well as more affluent regions,

NOTE Confidence: 0.857425107368421

00:06:30.080 --> 00:06:31.300 widening disparities.

NOTE Confidence: 0.786564783913044

00:06:34.960 --> 00:06:37.102 We can distill our main challenges

NOTE Confidence: 0.786564783913044

00:06:37.102 --> 00:06:38.877 between the available resources to

NOTE Confidence: 0.786564783913044

00:06:38.877 --> 00:06:40.629 manage OSA and the worldwide burden

NOTE Confidence: 0.786564783913044

00:06:40.629 --> 00:06:42.478 of disease into two key barriers,  
NOTE Confidence: 0.786564783913044

00:06:42.480 --> 00:06:44.279 one of geography and one of capacity.  
NOTE Confidence: 0.8416592125

00:06:47.080 --> 00:06:50.200 The goal of this talk is to how to is  
NOTE Confidence: 0.8416592125

00:06:50.288 --> 00:06:53.402 is to explore how to improve care in in  
NOTE Confidence: 0.8416592125

00:06:53.402 --> 00:06:57.368 a in recognition of these key barriers.  
NOTE Confidence: 0.8416592125

00:06:57.370 --> 00:06:59.585 Into ground and contextualizes our  
NOTE Confidence: 0.8416592125

00:06:59.585 --> 00:07:01.110 discussion. I would like to use  
NOTE Confidence: 0.8416592125

00:07:01.110 --> 00:07:02.770 the triple aim as the framework.  
NOTE Confidence: 0.8416592125

00:07:02.770 --> 00:07:04.986 So the triple aim was developed by the  
NOTE Confidence: 0.8416592125

00:07:04.986 --> 00:07:06.209 Institute for Healthcare Improvement  
NOTE Confidence: 0.8416592125

00:07:06.209 --> 00:07:08.641 about 15 years ago and serves as a  
NOTE Confidence: 0.8416592125

00:07:08.699 --> 00:07:10.397 widely used framework for all systems  
NOTE Confidence: 0.8416592125

00:07:10.397 --> 00:07:12.906 to use in order as they consider driving  
NOTE Confidence: 0.8416592125

00:07:12.906 --> 00:07:14.626 practice changes that are effective,  
NOTE Confidence: 0.8416592125

00:07:14.630 --> 00:07:16.326 sustainable and have far,  
NOTE Confidence: 0.8416592125

00:07:16.326 --> 00:07:18.870 far reaching impacts across the population.

NOTE Confidence: 0.8416592125

00:07:18.870 --> 00:07:20.808 The core components of the AAA

NOTE Confidence: 0.8416592125

00:07:20.808 --> 00:07:22.570 are to improve population health,

NOTE Confidence: 0.8416592125

00:07:22.570 --> 00:07:24.970 improve patient experience of care

NOTE Confidence: 0.8416592125

00:07:24.970 --> 00:07:27.370 and reduced per capita cost.

NOTE Confidence: 0.8416592125

00:07:27.370 --> 00:07:30.514 Experience of care is the aspect that we

NOTE Confidence: 0.8416592125

00:07:30.514 --> 00:07:33.047 as clinicians are most accustomed to,

NOTE Confidence: 0.8416592125

00:07:33.050 --> 00:07:36.066 and it's broken down into care that's safe,

NOTE Confidence: 0.8416592125

00:07:36.070 --> 00:07:39.790 efficacious and patient centered.

NOTE Confidence: 0.8416592125

00:07:39.790 --> 00:07:41.610 One thing to consider with the triple

NOTE Confidence: 0.8416592125

00:07:41.610 --> 00:07:43.645 aim is that a single minded focus on

NOTE Confidence: 0.8416592125

00:07:43.645 --> 00:07:45.671 just one of the aims components would

NOTE Confidence: 0.8416592125

00:07:45.671 --> 00:07:47.606 lead to an unsatisfactory outcome.

NOTE Confidence: 0.8416592125

00:07:47.610 --> 00:07:50.949 Our choices really need to be balanced.

NOTE Confidence: 0.8416592125

00:07:50.950 --> 00:07:51.630 For instance,

NOTE Confidence: 0.8416592125

00:07:51.630 --> 00:07:53.670 you could reduce per capita cost

NOTE Confidence: 0.8416592125

00:07:53.670 --> 00:07:55.830 to 0 by providing no care,  
NOTE Confidence: 0.8416592125

00:07:55.830 --> 00:07:58.150 but this would come at the expense of  
NOTE Confidence: 0.8416592125

00:07:58.150 --> 00:07:59.998 population health and experience of care.  
NOTE Confidence: 0.8416592125

00:08:00.000 --> 00:08:00.401 Also,  
NOTE Confidence: 0.8416592125

00:08:00.401 --> 00:08:02.406 you could focus exclusively on  
NOTE Confidence: 0.8416592125

00:08:02.406 --> 00:08:04.010 maximizing patient experience and  
NOTE Confidence: 0.8416592125

00:08:04.071 --> 00:08:06.437 provide care of incredibly high cost to  
NOTE Confidence: 0.8416592125

00:08:06.437 --> 00:08:08.600 a vanishingly small number of patients.  
NOTE Confidence: 0.8416592125

00:08:08.600 --> 00:08:10.616 I would argue that's our default  
NOTE Confidence: 0.8416592125

00:08:10.616 --> 00:08:11.624 bias in healthcare,  
NOTE Confidence: 0.8416592125

00:08:11.630 --> 00:08:13.010 at least in the United States.  
NOTE Confidence: 0.8416592125

00:08:13.010 --> 00:08:13.750 And therefore,  
NOTE Confidence: 0.8416592125

00:08:13.750 --> 00:08:15.600 when when describing the benefits  
NOTE Confidence: 0.8416592125

00:08:15.600 --> 00:08:17.165 and downsides of strategies  
NOTE Confidence: 0.8416592125

00:08:17.165 --> 00:08:18.757 to redesigning OSA care,  
NOTE Confidence: 0.8416592125

00:08:18.760 --> 00:08:20.590 I'll be sure to address other

NOTE Confidence: 0.8416592125

00:08:20.590 --> 00:08:21.505 considerations around population

NOTE Confidence: 0.8416592125

00:08:21.505 --> 00:08:22.747 health and per capita cost.

NOTE Confidence: 0.815935181666667

00:08:25.440 --> 00:08:27.463 And finally, I would be remiss if

NOTE Confidence: 0.815935181666667

00:08:27.463 --> 00:08:29.319 I didn't mention the quadrupling,

NOTE Confidence: 0.815935181666667

00:08:29.320 --> 00:08:32.496 which has been an addendum to the AAA,

NOTE Confidence: 0.815935181666667

00:08:32.500 --> 00:08:34.212 which also considers staff

NOTE Confidence: 0.815935181666667

00:08:34.212 --> 00:08:35.496 well-being and experience.

NOTE Confidence: 0.82511535

00:08:38.830 --> 00:08:39.640 So as part of this talk,

NOTE Confidence: 0.82511535

00:08:39.640 --> 00:08:40.984 I'd like to discuss some of

NOTE Confidence: 0.82511535

00:08:40.984 --> 00:08:41.880 the available evidence based

NOTE Confidence: 0.82511535

00:08:41.920 --> 00:08:43.156 tools that are at our disposal,

NOTE Confidence: 0.82511535

00:08:43.160 --> 00:08:45.632 at our disposal to meet our

NOTE Confidence: 0.82511535

00:08:45.632 --> 00:08:47.280 needs and redesigning care,

NOTE Confidence: 0.82511535

00:08:47.280 --> 00:08:49.954 categorize these tools by the main barrier

NOTE Confidence: 0.82511535

00:08:49.954 --> 00:08:51.860 they overcome geography or capacity,

NOTE Confidence: 0.82511535

00:08:51.860 --> 00:08:53.624 although I think it's fair to  
NOTE Confidence: 0.82511535

00:08:53.624 --> 00:08:55.130 say there's some overlap here.  
NOTE Confidence: 0.82511535

00:08:55.130 --> 00:08:57.666 And this discussion will focus on 2 main  
NOTE Confidence: 0.82511535

00:08:57.666 --> 00:08:59.476 strategies with the strongest evidence  
NOTE Confidence: 0.82511535

00:08:59.476 --> 00:09:01.702 based to guide a nuanced discussion.  
NOTE Confidence: 0.82511535

00:09:01.710 --> 00:09:03.770 And these are the, the,  
NOTE Confidence: 0.82511535

00:09:03.770 --> 00:09:05.046 the pathways with the,  
NOTE Confidence: 0.82511535

00:09:05.046 --> 00:09:06.960 these are the tools with the  
NOTE Confidence: 0.82511535

00:09:07.026 --> 00:09:09.386 asterisks included and our ambulatory  
NOTE Confidence: 0.82511535

00:09:09.386 --> 00:09:11.631 care pathways and the utilization  
NOTE Confidence: 0.82511535

00:09:11.631 --> 00:09:13.909 of alternate care providers.  
NOTE Confidence: 0.82511535

00:09:13.910 --> 00:09:15.365 These are the strategies where  
NOTE Confidence: 0.82511535

00:09:15.365 --> 00:09:17.266 we have the most robust evidence  
NOTE Confidence: 0.82511535

00:09:17.266 --> 00:09:18.798 stemming from multiple randomized  
NOTE Confidence: 0.82511535

00:09:18.798 --> 00:09:20.713 control trials across a wide  
NOTE Confidence: 0.82511535

00:09:20.774 --> 00:09:22.450 array of practice environments,

NOTE Confidence: 0.82511535

00:09:22.450 --> 00:09:25.670 and they offer comprehensive solutions.

NOTE Confidence: 0.82511535

00:09:25.670 --> 00:09:26.960 As part of this presentation,

NOTE Confidence: 0.82511535

00:09:26.960 --> 00:09:29.032 I'm going to focus on addressing the

NOTE Confidence: 0.82511535

00:09:29.032 --> 00:09:30.756 strengths and limitations of these of

NOTE Confidence: 0.82511535

00:09:30.756 --> 00:09:32.328 these approaches and how we reorganize

NOTE Confidence: 0.82511535

00:09:32.328 --> 00:09:33.836 them in light of the triplane.

NOTE Confidence: 0.843663936

00:09:36.140 --> 00:09:37.952 They're also a number of resources

NOTE Confidence: 0.843663936

00:09:37.952 --> 00:09:39.810 to to dig in, and particularly

NOTE Confidence: 0.843663936

00:09:39.810 --> 00:09:42.085 these other tools that I'm not going

NOTE Confidence: 0.843663936

00:09:42.085 --> 00:09:44.275 to mention such as remote visits

NOTE Confidence: 0.843663936

00:09:44.275 --> 00:09:46.075 and mail based tap dispensation,

NOTE Confidence: 0.843663936

00:09:46.080 --> 00:09:48.090 automated adherence monitoring and the like.

NOTE Confidence: 0.843663936

00:09:48.090 --> 00:09:50.080 And there's additional resources left

NOTE Confidence: 0.843663936

00:09:50.080 --> 00:09:52.639 hand corner you can review as well.

NOTE Confidence: 0.853142841428571

00:09:55.190 --> 00:09:57.190 First of all, I'm going to discuss in

NOTE Confidence: 0.853142841428571

00:09:57.190 --> 00:09:59.240 detail is the ambulatory care pathway.

NOTE Confidence: 0.853142841428571

00:09:59.240 --> 00:10:01.490 OSA is traditionally reliant on

NOTE Confidence: 0.853142841428571

00:10:01.490 --> 00:10:02.975 polysomnography, the gold standard

NOTE Confidence: 0.853142841428571

00:10:02.975 --> 00:10:04.355 for diagnosis and tailoring.

NOTE Confidence: 0.853142841428571

00:10:04.360 --> 00:10:07.776 Treatment of of OSA with PAP therapy,

NOTE Confidence: 0.853142841428571

00:10:07.780 --> 00:10:09.640 the ambulatory care pathway or

NOTE Confidence: 0.853142841428571

00:10:09.640 --> 00:10:11.500 home Pathway uses home sleep

NOTE Confidence: 0.853142841428571

00:10:11.563 --> 00:10:13.867 apnea testing to diagnose OSA and

NOTE Confidence: 0.853142841428571

00:10:13.867 --> 00:10:16.024 auto titrating path devices that

NOTE Confidence: 0.853142841428571

00:10:16.024 --> 00:10:17.677 automatically adjust pressure.

NOTE Confidence: 0.853142841428571

00:10:17.680 --> 00:10:19.384 I think this this paradigm is

NOTE Confidence: 0.853142841428571

00:10:19.384 --> 00:10:21.394 one with which this audience is

NOTE Confidence: 0.853142841428571

00:10:21.394 --> 00:10:23.018 very familiar and comfortable.

NOTE Confidence: 0.894760768461538

00:10:26.350 --> 00:10:28.006 Just in terms of describing it

NOTE Confidence: 0.894760768461538

00:10:28.006 --> 00:10:29.969 within the context of the triple aim,

NOTE Confidence: 0.894760768461538

00:10:29.970 --> 00:10:31.854 let's start off with

NOTE Confidence: 0.894760768461538  
00:10:31.854 --> 00:10:33.267 experience and effectiveness.  
NOTE Confidence: 0.894760768461538  
00:10:33.270 --> 00:10:34.830 There have been, you know,  
NOTE Confidence: 0.894760768461538  
00:10:34.830 --> 00:10:36.606 about a half dozen of randomized  
NOTE Confidence: 0.894760768461538  
00:10:36.606 --> 00:10:38.485 trials that have been that have  
NOTE Confidence: 0.894760768461538  
00:10:38.485 --> 00:10:40.075 compared the effectiveness of an  
NOTE Confidence: 0.894760768461538  
00:10:40.075 --> 00:10:42.128 ambulatory to a lab based approach.  
NOTE Confidence: 0.894760768461538  
00:10:42.130 --> 00:10:43.706 And a full review of this literature is  
NOTE Confidence: 0.894760768461538  
00:10:43.706 --> 00:10:45.188 outside the scope of this presentation.  
NOTE Confidence: 0.894760768461538  
00:10:45.190 --> 00:10:48.076 But as evidence is demonstrated in  
NOTE Confidence: 0.894760768461538  
00:10:48.076 --> 00:10:50.630 existing guidelines and systematic reviews,  
NOTE Confidence: 0.894760768461538  
00:10:50.630 --> 00:10:52.630 the ambulatory care approach leads  
NOTE Confidence: 0.894760768461538  
00:10:52.630 --> 00:10:54.230 to comparable treatment decisions,  
NOTE Confidence: 0.894760768461538  
00:10:54.230 --> 00:10:56.540 PAP adherence and patient reported outcomes.  
NOTE Confidence: 0.894760768461538  
00:10:56.540 --> 00:10:58.252 In the available trials,  
NOTE Confidence: 0.894760768461538  
00:10:58.252 --> 00:11:00.392 and among patients who experience  
NOTE Confidence: 0.894760768461538

00:11:00.392 --> 00:11:02.360 both pathways and crossover trial  
NOTE Confidence: 0.894760768461538

00:11:02.360 --> 00:11:05.380 and were able to select a preference,  
NOTE Confidence: 0.894760768461538

00:11:05.380 --> 00:11:08.320 75% said they preferred the  
NOTE Confidence: 0.894760768461538

00:11:08.320 --> 00:11:10.084 ambulatory care pathway.  
NOTE Confidence: 0.894760768461538

00:11:10.090 --> 00:11:10.470 However,  
NOTE Confidence: 0.894760768461538

00:11:10.470 --> 00:11:11.990 there are potential downside  
NOTE Confidence: 0.894760768461538

00:11:11.990 --> 00:11:13.510 stimulatory care pathway driven  
NOTE Confidence: 0.894760768461538

00:11:13.510 --> 00:11:15.090 primarily by lower sensitivity of  
NOTE Confidence: 0.894760768461538

00:11:15.090 --> 00:11:16.818 home sleep apnea testing devices and  
NOTE Confidence: 0.894760768461538

00:11:16.873 --> 00:11:18.753 the inability of H Sats to and auto  
NOTE Confidence: 0.894760768461538

00:11:18.753 --> 00:11:20.634 titrating PAP devices to distinguish  
NOTE Confidence: 0.894760768461538

00:11:20.634 --> 00:11:22.506 central from destructive events.  
NOTE Confidence: 0.894760768461538

00:11:22.510 --> 00:11:23.506 These considerations,  
NOTE Confidence: 0.894760768461538

00:11:23.506 --> 00:11:26.494 like most randomized trials to limit  
NOTE Confidence: 0.894760768461538

00:11:26.494 --> 00:11:29.038 enrollment to these populations and  
NOTE Confidence: 0.894760768461538

00:11:29.038 --> 00:11:31.858 constrain their their populations to

NOTE Confidence: 0.894760768461538  
00:11:31.858 --> 00:11:35.789 those with high pretest probability of OA,  
NOTE Confidence: 0.894760768461538  
00:11:35.790 --> 00:11:37.905 excluding individuals with conditions such  
NOTE Confidence: 0.894760768461538  
00:11:37.905 --> 00:11:40.599 as significant insomnia as well as those.  
NOTE Confidence: 0.894760768461538  
00:11:40.600 --> 00:11:42.538 Conditions such as heart failure and  
NOTE Confidence: 0.894760768461538  
00:11:42.538 --> 00:11:44.669 stroke that predispose to central events.  
NOTE Confidence: 0.907744575  
00:11:47.960 --> 00:11:49.820 So I think just to clarify,  
NOTE Confidence: 0.907744575  
00:11:49.820 --> 00:11:51.578 these are areas where we have  
NOTE Confidence: 0.907744575  
00:11:51.578 --> 00:11:53.249 gaps in evidence around the the,  
NOTE Confidence: 0.907744575  
00:11:53.250 --> 00:11:55.242 the the superiority of  
NOTE Confidence: 0.907744575  
00:11:55.242 --> 00:11:57.234 the lab based approach.  
NOTE Confidence: 0.907744575  
00:11:57.240 --> 00:11:59.175 They aren't necessarily areas we  
NOTE Confidence: 0.907744575  
00:11:59.175 --> 00:12:01.110 have strong evidence of meaning  
NOTE Confidence: 0.907744575  
00:12:01.171 --> 00:12:03.271 of the superiority for a lab  
NOTE Confidence: 0.907744575  
00:12:03.271 --> 00:12:04.671 based approach for meaningful  
NOTE Confidence: 0.907744575  
00:12:04.739 --> 00:12:06.311 patient centered outcomes which  
NOTE Confidence: 0.907744575

00:12:06.311 --> 00:12:08.669 I think is a notable distinction.  
NOTE Confidence: 0.803845865555556

00:12:11.420 --> 00:12:12.460 With regard to other  
NOTE Confidence: 0.803845865555556

00:12:12.460 --> 00:12:13.760 elements of the triple lane,  
NOTE Confidence: 0.803845865555556

00:12:13.760 --> 00:12:16.410 the ambulatory care pathway presents  
NOTE Confidence: 0.803845865555556

00:12:16.410 --> 00:12:18.530 notable potential and observed  
NOTE Confidence: 0.803845865555556

00:12:18.530 --> 00:12:20.350 advantages for population health.  
NOTE Confidence: 0.803845865555556

00:12:20.350 --> 00:12:22.930 Ambulatory care pathways allow a system  
NOTE Confidence: 0.803845865555556

00:12:22.930 --> 00:12:25.467 to overcome geographic barriers due  
NOTE Confidence: 0.803845865555556

00:12:25.467 --> 00:12:29.769 to easier scalability as well as.  
NOTE Confidence: 0.803845865555556

00:12:29.770 --> 00:12:33.250 Reduced requirement for.  
NOTE Confidence: 0.803845865555556

00:12:33.250 --> 00:12:35.710 For capital improvements,  
NOTE Confidence: 0.803845865555556

00:12:35.710 --> 00:12:37.705 they're also patients who can't  
NOTE Confidence: 0.803845865555556

00:12:37.705 --> 00:12:40.549 easily sleep away from home for a  
NOTE Confidence: 0.803845865555556

00:12:40.549 --> 00:12:42.865 night because they're taking care of  
NOTE Confidence: 0.803845865555556

00:12:42.865 --> 00:12:45.197 young children or ill family members.  
NOTE Confidence: 0.803845865555556

00:12:45.200 --> 00:12:47.625 Umm, and potentially because of

NOTE Confidence: 0.803845865555556  
00:12:47.625 --> 00:12:50.050 this lower patient care burden  
NOTE Confidence: 0.803845865555556  
00:12:50.128 --> 00:12:52.240 and and latent preferences,  
NOTE Confidence: 0.803845865555556  
00:12:52.240 --> 00:12:54.368 you tend to see lower dropout in  
NOTE Confidence: 0.803845865555556  
00:12:54.368 --> 00:12:56.716 the in the ambulatory care arms  
NOTE Confidence: 0.803845865555556  
00:12:56.716 --> 00:12:58.981 of the randomized trials that  
NOTE Confidence: 0.803845865555556  
00:12:58.981 --> 00:13:00.740 compared both approaches.  
NOTE Confidence: 0.803845865555556  
00:13:00.740 --> 00:13:01.120 Finally,  
NOTE Confidence: 0.803845865555556  
00:13:01.120 --> 00:13:03.020 the lower complexity of the  
NOTE Confidence: 0.803845865555556  
00:13:03.020 --> 00:13:04.540 ambulatory care pathway is  
NOTE Confidence: 0.803845865555556  
00:13:04.600 --> 00:13:06.775 facilitated the management of OSA  
NOTE Confidence: 0.803845865555556  
00:13:06.775 --> 00:13:08.515 among alternate care providers,  
NOTE Confidence: 0.803845865555556  
00:13:08.520 --> 00:13:11.008 as we'll discuss next.  
NOTE Confidence: 0.803845865555556  
00:13:11.010 --> 00:13:12.486 With regard to per capita costs,  
NOTE Confidence: 0.803845865555556  
00:13:12.490 --> 00:13:14.940 the randomized trials that have  
NOTE Confidence: 0.803845865555556  
00:13:14.940 --> 00:13:18.312 assessed costs are 25 to 57% lower  
NOTE Confidence: 0.803845865555556

00:13:18.312 --> 00:13:20.364 cost in the ambulatory care pathway.  
NOTE Confidence: 0.845401432380952

00:13:23.540 --> 00:13:25.628 Now we're going to move on to capacity  
NOTE Confidence: 0.845401432380952

00:13:25.628 --> 00:13:27.657 and the use of alternate care providers  
NOTE Confidence: 0.845401432380952

00:13:27.657 --> 00:13:29.680 is an area of great interest.  
NOTE Confidence: 0.845401432380952

00:13:29.680 --> 00:13:31.804 Alternate care provider here just to  
NOTE Confidence: 0.845401432380952

00:13:31.804 --> 00:13:34.804 define its use is a catch all term for  
NOTE Confidence: 0.845401432380952

00:13:34.804 --> 00:13:36.974 OSA care delivered by non specialists  
NOTE Confidence: 0.845401432380952

00:13:36.974 --> 00:13:39.338 including primary care providers,  
NOTE Confidence: 0.845401432380952

00:13:39.340 --> 00:13:40.910 registered nurses and respiratory therapists  
NOTE Confidence: 0.845401432380952

00:13:40.910 --> 00:13:43.554 and this care can be delivered on their  
NOTE Confidence: 0.845401432380952

00:13:43.554 --> 00:13:45.249 primary care specialty care settings.  
NOTE Confidence: 0.783230575

00:13:48.470 --> 00:13:50.306 Similar to the ambulatory care pathway,  
NOTE Confidence: 0.783230575

00:13:50.310 --> 00:13:52.354 we have a wealth of randomized trials,  
NOTE Confidence: 0.783230575

00:13:52.360 --> 00:13:53.668 nearly a dozen now,  
NOTE Confidence: 0.783230575

00:13:53.668 --> 00:13:54.976 that have been performed  
NOTE Confidence: 0.783230575

00:13:54.976 --> 00:13:56.509 testing primary care providers,

NOTE Confidence: 0.783230575

00:13:56.510 --> 00:13:58.430 registered nurses or respiratory

NOTE Confidence: 0.783230575

00:13:58.430 --> 00:14:00.830 therapists relative to sleep specialists.

NOTE Confidence: 0.783230575

00:14:00.830 --> 00:14:02.840 These trials primarily focused on various

NOTE Confidence: 0.783230575

00:14:02.840 --> 00:14:05.290 points along the OA diagnostic pathway,

NOTE Confidence: 0.783230575

00:14:05.290 --> 00:14:07.545 with some beginning with patients

NOTE Confidence: 0.783230575

00:14:07.545 --> 00:14:09.800 with suspected OSA pre diagnosis

NOTE Confidence: 0.783230575

00:14:09.869 --> 00:14:11.917 and others enrolling patients.

NOTE Confidence: 0.783230575

00:14:11.920 --> 00:14:13.572 With with known OSA,

NOTE Confidence: 0.783230575

00:14:13.572 --> 00:14:16.471 while Complete view review of the literature

NOTE Confidence: 0.783230575

00:14:16.471 --> 00:14:20.409 is is a bit beyond the scope of this talk.

NOTE Confidence: 0.783230575

00:14:20.410 --> 00:14:23.884 There I think we can summarize by saying the

NOTE Confidence: 0.783230575

00:14:23.884 --> 00:14:27.007 trials to date have either shown superior,

NOTE Confidence: 0.783230575

00:14:27.010 --> 00:14:29.290 comparable or not inferior outcomes

NOTE Confidence: 0.783230575

00:14:29.290 --> 00:14:31.570 and patient reported outcomes such

NOTE Confidence: 0.783230575

00:14:31.640 --> 00:14:33.831 as sleepiness and in all but one

NOTE Confidence: 0.783230575

00:14:33.831 --> 00:14:35.878 of these trials showed comparable  
NOTE Confidence: 0.783230575

00:14:35.878 --> 00:14:38.648 or non inferior package insurance.  
NOTE Confidence: 0.783230575

00:14:38.650 --> 00:14:40.705 The only trial demonstrates superior  
NOTE Confidence: 0.783230575

00:14:40.705 --> 00:14:42.760 outcomes with sleep specialist care  
NOTE Confidence: 0.783230575

00:14:42.819 --> 00:14:44.668 was doctor Pendharkar's trial from  
NOTE Confidence: 0.783230575

00:14:44.668 --> 00:14:47.650 2019 from 2019 that found greater CPAP  
NOTE Confidence: 0.783230575

00:14:47.721 --> 00:14:50.535 adherence among patients with severe OSA.  
NOTE Confidence: 0.783230575

00:14:50.540 --> 00:14:53.876 Were cared for by sleep specialists  
NOTE Confidence: 0.783230575

00:14:53.876 --> 00:14:56.100 relative to restaurant therapists.  
NOTE Confidence: 0.783230575

00:14:56.100 --> 00:14:56.513 However,  
NOTE Confidence: 0.783230575

00:14:56.513 --> 00:14:58.165 despite relatively strong evidence  
NOTE Confidence: 0.783230575

00:14:58.165 --> 00:14:59.817 for comparable outcomes with  
NOTE Confidence: 0.783230575

00:14:59.817 --> 00:15:01.040 alternate care providers,  
NOTE Confidence: 0.783230575

00:15:01.040 --> 00:15:02.860 there are potential downsides  
NOTE Confidence: 0.783230575

00:15:02.860 --> 00:15:04.680 and limitations and evidence.  
NOTE Confidence: 0.783230575

00:15:04.680 --> 00:15:05.018 First,

NOTE Confidence: 0.783230575

00:15:05.018 --> 00:15:07.046 the existing trials did not explore

NOTE Confidence: 0.783230575

00:15:07.046 --> 00:15:08.799 the full spectrum of patients.

NOTE Confidence: 0.783230575

00:15:08.800 --> 00:15:09.828 They were generally limited

NOTE Confidence: 0.783230575

00:15:09.828 --> 00:15:10.856 to those with patients,

NOTE Confidence: 0.783230575

00:15:10.860 --> 00:15:12.316 those patients with excessive

NOTE Confidence: 0.783230575

00:15:12.316 --> 00:15:14.500 daytime sleepiness and few sleep and

NOTE Confidence: 0.783230575

00:15:14.555 --> 00:15:16.319 non sleep related comorbidities.

NOTE Confidence: 0.783230575

00:15:16.320 --> 00:15:17.325 Another general limitation

NOTE Confidence: 0.783230575

00:15:17.325 --> 00:15:19.000 is that there are many,

NOTE Confidence: 0.783230575

00:15:19.000 --> 00:15:22.320 many trials focused on PAP as a treatment,

NOTE Confidence: 0.783230575

00:15:22.320 --> 00:15:24.510 solely limiting our understanding around

NOTE Confidence: 0.783230575

00:15:24.510 --> 00:15:27.000 the success with alternative non PAP.

NOTE Confidence: 0.783230575

00:15:27.000 --> 00:15:28.940 Treatments.

NOTE Confidence: 0.783230575

00:15:28.940 --> 00:15:30.820 Similar to evidence around

NOTE Confidence: 0.783230575

00:15:30.820 --> 00:15:31.760 altercare pathways.

NOTE Confidence: 0.783230575

00:15:31.760 --> 00:15:33.475 It's worth reiterating this that  
NOTE Confidence: 0.783230575

00:15:33.475 --> 00:15:36.073 these gaps in evidence are not based  
NOTE Confidence: 0.783230575

00:15:36.073 --> 00:15:38.133 necessarily and strong evidence of  
NOTE Confidence: 0.783230575

00:15:38.133 --> 00:15:39.959 superiority for specialist LED care,  
NOTE Confidence: 0.783230575

00:15:39.960 --> 00:15:42.235 but not but rather our our gaps  
NOTE Confidence: 0.783230575

00:15:42.235 --> 00:15:43.210 in in evidence.  
NOTE Confidence: 0.783230575

00:15:43.210 --> 00:15:43.844 You know,  
NOTE Confidence: 0.783230575

00:15:43.844 --> 00:15:45.429 there may be situations where  
NOTE Confidence: 0.783230575

00:15:45.429 --> 00:15:46.900 specialists truly are superior,  
NOTE Confidence: 0.783230575

00:15:46.900 --> 00:15:50.190 but they have not been proven in  
NOTE Confidence: 0.783230575

00:15:50.190 --> 00:15:52.830 randomized control trials based on  
NOTE Confidence: 0.783230575

00:15:52.830 --> 00:15:55.290 meaningful patient centered outcomes.  
NOTE Confidence: 0.783230575

00:15:55.290 --> 00:15:56.988 And these scenarios are are are  
NOTE Confidence: 0.783230575

00:15:56.988 --> 00:15:58.630 ripe for exploration and research.  
NOTE Confidence: 0.844384781111111

00:16:00.990 --> 00:16:02.338 With regard to population  
NOTE Confidence: 0.844384781111111

00:16:02.338 --> 00:16:04.023 health and per capita costs,

NOTE Confidence: 0.8443847811111111  
00:16:04.030 --> 00:16:05.478 there are clear benefits  
NOTE Confidence: 0.8443847811111111  
00:16:05.478 --> 00:16:06.926 for alternate care providers  
NOTE Confidence: 0.8443847811111111  
00:16:06.926 --> 00:16:08.709 relative to sleep specialists.  
NOTE Confidence: 0.8443847811111111  
00:16:08.710 --> 00:16:10.762 There are 19 times as many  
NOTE Confidence: 0.8443847811111111  
00:16:10.762 --> 00:16:11.788 primary care providers,  
NOTE Confidence: 0.8443847811111111  
00:16:11.790 --> 00:16:13.926 20 times as many restorated therapists,  
NOTE Confidence: 0.8443847811111111  
00:16:13.930 --> 00:16:16.540 and two and 500 times as  
NOTE Confidence: 0.8443847811111111  
00:16:16.540 --> 00:16:17.845 many registered nurses.  
NOTE Confidence: 0.8443847811111111  
00:16:17.850 --> 00:16:19.964 And in terms of per capita costs  
NOTE Confidence: 0.8443847811111111  
00:16:19.970 --> 00:16:22.112 in the average cost of care  
NOTE Confidence: 0.8443847811111111  
00:16:22.112 --> 00:16:24.333 per patient were \$250 to six  
NOTE Confidence: 0.8443847811111111  
00:16:24.333 --> 00:16:26.238 \$860.00 less for those managed  
NOTE Confidence: 0.8443847811111111  
00:16:26.238 --> 00:16:28.069 by alternative care providers.  
NOTE Confidence: 0.8623280011111111  
00:16:30.900 --> 00:16:32.835 So based on this, on our review this far,  
NOTE Confidence: 0.8623280011111111  
00:16:32.840 --> 00:16:35.072 there are some key takeaways and  
NOTE Confidence: 0.8623280011111111

00:16:35.072 --> 00:16:37.124 military care pathways and alternate  
NOTE Confidence: 0.8623280011111111

00:16:37.124 --> 00:16:39.116 care providers each provide  
NOTE Confidence: 0.8623280011111111

00:16:39.116 --> 00:16:41.108 opportunities to improve population  
NOTE Confidence: 0.8623280011111111

00:16:41.108 --> 00:16:43.437 reach and reduce production costs.  
NOTE Confidence: 0.8623280011111111

00:16:43.440 --> 00:16:44.940 Current limitations and evidence  
NOTE Confidence: 0.8623280011111111

00:16:44.940 --> 00:16:46.815 around the effectiveness for both  
NOTE Confidence: 0.8623280011111111

00:16:46.815 --> 00:16:48.485 alternate care providers and the  
NOTE Confidence: 0.8623280011111111

00:16:48.485 --> 00:16:50.442 ambulatory care model include those  
NOTE Confidence: 0.8623280011111111

00:16:50.442 --> 00:16:52.997 with atypical presentations of OSA,  
NOTE Confidence: 0.8623280011111111

00:16:53.000 --> 00:16:54.616 nearly those without excessive  
NOTE Confidence: 0.8623280011111111

00:16:54.616 --> 00:16:56.232 daytime sleepiness and those  
NOTE Confidence: 0.8623280011111111

00:16:56.232 --> 00:16:58.268 at elevated risk for central  
NOTE Confidence: 0.8623280011111111

00:16:58.268 --> 00:16:59.828 sleep apnea or hypoventilation.  
NOTE Confidence: 0.8623280011111111

00:16:59.830 --> 00:17:01.588 So clearly A1 size fits all  
NOTE Confidence: 0.8623280011111111

00:17:01.588 --> 00:17:03.299 approach is not going to work.  
NOTE Confidence: 0.841340615416667

00:17:06.120 --> 00:17:07.793 And the main question that I think

NOTE Confidence: 0.841340615416667  
00:17:07.793 --> 00:17:10.050 we need to wrestle with is how do  
NOTE Confidence: 0.841340615416667  
00:17:10.050 --> 00:17:11.238 we reorganize appropriate care  
NOTE Confidence: 0.841340615416667  
00:17:11.238 --> 00:17:13.027 in light of these limitations?  
NOTE Confidence: 0.677588453125  
00:17:16.200 --> 00:17:18.390 He modeled the utilizing animal in  
NOTE Confidence: 0.677588453125  
00:17:18.390 --> 00:17:20.349 in aligning patients with appropriate  
NOTE Confidence: 0.677588453125  
00:17:20.349 --> 00:17:22.529 services is stepped care model.  
NOTE Confidence: 0.677588453125  
00:17:22.530 --> 00:17:24.623 Step Care model assumes that there are  
NOTE Confidence: 0.677588453125  
00:17:24.623 --> 00:17:26.133 limits and specialized personnel and  
NOTE Confidence: 0.677588453125  
00:17:26.133 --> 00:17:27.807 resources and aims to align patients  
NOTE Confidence: 0.677588453125  
00:17:27.807 --> 00:17:29.305 to the appropriate treatments and  
NOTE Confidence: 0.677588453125  
00:17:29.305 --> 00:17:31.963 based on their needs in an effort to  
NOTE Confidence: 0.677588453125  
00:17:31.963 --> 00:17:34.928 preserve capacity and patient outcomes.  
NOTE Confidence: 0.677588453125  
00:17:34.930 --> 00:17:36.714 Septier models categorize patients  
NOTE Confidence: 0.677588453125  
00:17:36.714 --> 00:17:38.944 based on disease characteristics and  
NOTE Confidence: 0.677588453125  
00:17:38.944 --> 00:17:41.397 stratify patients to higher or lower  
NOTE Confidence: 0.677588453125

00:17:41.397 --> 00:17:43.347 complexity based on those characteristics.

NOTE Confidence: 0.677588453125

00:17:43.350 --> 00:17:46.234 This model has been used extensively in

NOTE Confidence: 0.677588453125

00:17:46.234 --> 00:17:48.520 other conditions in particular and it's

NOTE Confidence: 0.677588453125

00:17:48.520 --> 00:17:50.710 used extensively in mental health and

NOTE Confidence: 0.677588453125

00:17:50.776 --> 00:17:53.030 has been utilized in the delivery of.

NOTE Confidence: 0.677588453125

00:17:53.030 --> 00:17:54.008 Meant for installing.

NOTE Confidence: 0.8207604872

00:17:56.450 --> 00:17:57.920 Another another model that comes to

NOTE Confidence: 0.8207604872

00:17:57.920 --> 00:17:59.569 mind is 1 geared primarily towards

NOTE Confidence: 0.8207604872

00:17:59.569 --> 00:18:01.104 overcoming the barrier of geography

NOTE Confidence: 0.8207604872

00:18:01.104 --> 00:18:03.210 and that is the hub and spoke model.

NOTE Confidence: 0.8207604872

00:18:03.210 --> 00:18:04.762 And in this model,

NOTE Confidence: 0.8207604872

00:18:04.762 --> 00:18:06.314 centralized hubs with specialized

NOTE Confidence: 0.8207604872

00:18:06.314 --> 00:18:07.890 expertise partner with smaller

NOTE Confidence: 0.8207604872

00:18:07.890 --> 00:18:09.370 and less specialized folks.

NOTE Confidence: 0.8207604872

00:18:09.370 --> 00:18:10.790 These arrangements already exist for

NOTE Confidence: 0.8207604872

00:18:10.790 --> 00:18:12.801 many health systems and a variety of

NOTE Confidence: 0.8207604872

00:18:12.801 --> 00:18:14.421 specialties and there's a well developed

NOTE Confidence: 0.8207604872

00:18:14.421 --> 00:18:16.479 hub and spoke model for Sleep Medicine

NOTE Confidence: 0.8207604872

00:18:16.479 --> 00:18:18.396 within the Department of Veterans Affairs.

NOTE Confidence: 0.8207604872

00:18:18.396 --> 00:18:19.734 And this arrangement,

NOTE Confidence: 0.8207604872

00:18:19.734 --> 00:18:21.964 sleep specialist clinics and laboratories

NOTE Confidence: 0.8207604872

00:18:21.964 --> 00:18:24.732 are the natural hubs given their access

NOTE Confidence: 0.8207604872

00:18:24.732 --> 00:18:26.650 to specialized equipment and staff.

NOTE Confidence: 0.8207604872

00:18:26.650 --> 00:18:28.470 And spokes would correspond to

NOTE Confidence: 0.8207604872

00:18:28.470 --> 00:18:30.290 primary care settings or other

NOTE Confidence: 0.8207604872

00:18:30.350 --> 00:18:31.961 geographically disseminated sites

NOTE Confidence: 0.8207604872

00:18:31.961 --> 00:18:34.109 for alternate care providers.

NOTE Confidence: 0.8207604872

00:18:34.110 --> 00:18:36.118 By consolidating the high

NOTE Confidence: 0.8207604872

00:18:36.118 --> 00:18:37.624 cost specialized services,

NOTE Confidence: 0.8207604872

00:18:37.630 --> 00:18:39.919 hub and spoke models tend to use

NOTE Confidence: 0.8207604872

00:18:39.919 --> 00:18:41.851 resources more efficiently on the

NOTE Confidence: 0.8207604872

00:18:41.851 --> 00:18:43.627 established relationships between spokes,  
NOTE Confidence: 0.8207604872

00:18:43.630 --> 00:18:46.162 and hubs allow for natural points  
NOTE Confidence: 0.8207604872

00:18:46.162 --> 00:18:48.310 of referral when patients that  
NOTE Confidence: 0.8207604872

00:18:48.310 --> 00:18:50.638 spokes need higher level of care.  
NOTE Confidence: 0.8207604872

00:18:50.640 --> 00:18:52.926 He had been the telemedicine further  
NOTE Confidence: 0.8207604872

00:18:52.926 --> 00:18:56.091 supports the reach of these hub and spoke  
NOTE Confidence: 0.8207604872

00:18:56.091 --> 00:18:58.061 relationships and limits the reliance  
NOTE Confidence: 0.8207604872

00:18:58.061 --> 00:19:00.690 on a strict geographic relationship,  
NOTE Confidence: 0.8207604872

00:19:00.690 --> 00:19:03.336 although in person services such as  
NOTE Confidence: 0.8207604872

00:19:03.336 --> 00:19:06.048 PSG will still definitely play a role.  
NOTE Confidence: 0.852284932857143

00:19:10.400 --> 00:19:12.336 So how do we integrate these models and  
NOTE Confidence: 0.852284932857143

00:19:12.336 --> 00:19:14.706 align with what we know about alternate care  
NOTE Confidence: 0.852284932857143

00:19:14.706 --> 00:19:16.420 providers and ambulatory care pathways?  
NOTE Confidence: 0.852284932857143

00:19:16.420 --> 00:19:19.136 This was a question that several colleagues  
NOTE Confidence: 0.852284932857143

00:19:19.136 --> 00:19:21.879 and I wrestled with in a review article  
NOTE Confidence: 0.852284932857143

00:19:21.879 --> 00:19:24.260 from a few years ago in in chest.

NOTE Confidence: 0.852284932857143  
00:19:24.260 --> 00:19:26.108 We decided that a reasonable starting  
NOTE Confidence: 0.852284932857143  
00:19:26.108 --> 00:19:28.199 point would be based on current  
NOTE Confidence: 0.852284932857143  
00:19:28.199 --> 00:19:29.811 evidence limitations around the  
NOTE Confidence: 0.852284932857143  
00:19:29.811 --> 00:19:31.423 effectiveness for ambulatory care  
NOTE Confidence: 0.852284932857143  
00:19:31.482 --> 00:19:33.497 pathways and alternate care providers.  
NOTE Confidence: 0.852284932857143  
00:19:33.500 --> 00:19:36.956 We anticipate that lower complexity services,  
NOTE Confidence: 0.852284932857143  
00:19:36.960 --> 00:19:38.418 you know, those provided by alternative  
NOTE Confidence: 0.852284932857143  
00:19:38.418 --> 00:19:39.770 care providers and those provided.  
NOTE Confidence: 0.852284932857143  
00:19:39.770 --> 00:19:41.480 Through the ambulatory care pathway  
NOTE Confidence: 0.852284932857143  
00:19:41.480 --> 00:19:43.859 would be most appropriate for those at  
NOTE Confidence: 0.852284932857143  
00:19:43.859 --> 00:19:45.994 high pretest probability of OSA who are  
NOTE Confidence: 0.852284932857143  
00:19:45.994 --> 00:19:47.771 concerned for comorbid sleep disorders  
NOTE Confidence: 0.852284932857143  
00:19:47.771 --> 00:19:49.889 and lower risk for hypoventilation and  
NOTE Confidence: 0.852284932857143  
00:19:49.890 --> 00:19:52.870 hyperventilation and central sleep apnea.  
NOTE Confidence: 0.852284932857143  
00:19:52.870 --> 00:19:54.630 Those meeting these criteria would  
NOTE Confidence: 0.852284932857143

00:19:54.630 --> 00:19:55.686 be more appropriate.  
NOTE Confidence: 0.852284932857143

00:19:55.690 --> 00:19:57.745 Those not meeting these criteria  
NOTE Confidence: 0.852284932857143

00:19:57.745 --> 00:20:00.327 would be more appropriate for higher  
NOTE Confidence: 0.852284932857143

00:20:00.327 --> 00:20:03.033 complexity care that was driven by  
NOTE Confidence: 0.852284932857143

00:20:03.033 --> 00:20:05.390 specialists and laboratory care pathways.  
NOTE Confidence: 0.852284932857143

00:20:05.390 --> 00:20:06.596 Acknowledging that there's  
NOTE Confidence: 0.852284932857143

00:20:06.596 --> 00:20:08.204 longitudinal changes over time,  
NOTE Confidence: 0.852284932857143

00:20:08.210 --> 00:20:10.778 we anticipate that patients needs will  
NOTE Confidence: 0.852284932857143

00:20:10.778 --> 00:20:13.598 change across their their experience  
NOTE Confidence: 0.852284932857143

00:20:13.598 --> 00:20:16.962 of care and those initially who  
NOTE Confidence: 0.852284932857143

00:20:16.962 --> 00:20:18.822 who need higher higher complexity  
NOTE Confidence: 0.852284932857143

00:20:18.822 --> 00:20:21.333 care may be more appropriate for  
NOTE Confidence: 0.852284932857143

00:20:21.333 --> 00:20:23.698 lower complexity care over time.  
NOTE Confidence: 0.852284932857143

00:20:23.700 --> 00:20:25.560 Umm.  
NOTE Confidence: 0.852284932857143

00:20:25.560 --> 00:20:27.639 And Please note that this is just  
NOTE Confidence: 0.852284932857143

00:20:27.639 --> 00:20:29.874 really a starting place based on the

NOTE Confidence: 0.852284932857143  
00:20:29.874 --> 00:20:31.474 the available evidence and should  
NOTE Confidence: 0.852284932857143  
00:20:31.474 --> 00:20:33.991 be subject to change based on new  
NOTE Confidence: 0.852284932857143  
00:20:33.991 --> 00:20:35.908 evidence and individual health system  
NOTE Confidence: 0.852284932857143  
00:20:35.908 --> 00:20:38.348 resources as well as capabilities.  
NOTE Confidence: 0.770594736  
00:20:41.140 --> 00:20:42.521 But I think a main, uh,  
NOTE Confidence: 0.770594736  
00:20:42.521 --> 00:20:44.205 latent question that's posed  
NOTE Confidence: 0.770594736  
00:20:44.205 --> 00:20:46.600 in this this new paradigm is,  
NOTE Confidence: 0.770594736  
00:20:46.600 --> 00:20:49.050 is how do we coordinate these transitions?  
NOTE Confidence: 0.770594736  
00:20:49.050 --> 00:20:50.716 You know it, I think it's it.  
NOTE Confidence: 0.770594736  
00:20:50.720 --> 00:20:52.695 It may be reasonable enough  
NOTE Confidence: 0.770594736  
00:20:52.695 --> 00:20:55.540 to set up a a pathway,  
NOTE Confidence: 0.770594736  
00:20:55.540 --> 00:20:57.088 but how do we manage when  
NOTE Confidence: 0.770594736  
00:20:57.088 --> 00:20:58.120 pathways need to change?  
NOTE Confidence: 0.878831244545455  
00:21:01.450 --> 00:21:02.815 Because we previously used to  
NOTE Confidence: 0.878831244545455  
00:21:02.815 --> 00:21:04.510 have a linear one way path,  
NOTE Confidence: 0.878831244545455

00:21:04.510 --> 00:21:06.496 everyone went to a specialist and  
NOTE Confidence: 0.878831244545455

00:21:06.496 --> 00:21:08.650 that was it and the specialist kind of  
NOTE Confidence: 0.878831244545455

00:21:08.650 --> 00:21:10.010 managed everything from there on out.  
NOTE Confidence: 0.878831244545455

00:21:10.010 --> 00:21:11.235 We just had a train on the  
NOTE Confidence: 0.878831244545455

00:21:11.235 --> 00:21:12.469 tracks and it barreled along.  
NOTE Confidence: 0.878831244545455

00:21:12.470 --> 00:21:15.430 Now we have traffic.  
NOTE Confidence: 0.878831244545455

00:21:15.430 --> 00:21:16.898 Sharing specialists between alternate  
NOTE Confidence: 0.878831244545455

00:21:16.898 --> 00:21:18.733 care providers and sleep specialists  
NOTE Confidence: 0.878831244545455

00:21:18.733 --> 00:21:20.626 will almost certainly be a part  
NOTE Confidence: 0.878831244545455

00:21:20.626 --> 00:21:21.802 of any comprehensive strategy,  
NOTE Confidence: 0.878831244545455

00:21:21.810 --> 00:21:24.015 and we need to find ways to  
NOTE Confidence: 0.878831244545455

00:21:24.015 --> 00:21:24.960 manage that traffic.  
NOTE Confidence: 0.878831244545455

00:21:24.960 --> 00:21:26.892 In centers that have expanded the role  
NOTE Confidence: 0.878831244545455

00:21:26.892 --> 00:21:28.799 of primary care providers and sleep,  
NOTE Confidence: 0.878831244545455

00:21:28.800 --> 00:21:30.174 sleep services deliveries.  
NOTE Confidence: 0.878831244545455

00:21:30.174 --> 00:21:32.006 Primary care providers feel

NOTE Confidence: 0.878831244545455  
00:21:32.006 --> 00:21:33.670 comfortable managing the USA,  
NOTE Confidence: 0.878831244545455  
00:21:33.670 --> 00:21:35.722 but often are unsure about the  
NOTE Confidence: 0.878831244545455  
00:21:35.722 --> 00:21:37.481 optimal next steps in escalating  
NOTE Confidence: 0.878831244545455  
00:21:37.481 --> 00:21:40.009 care and who to talk to based on  
NOTE Confidence: 0.878831244545455  
00:21:40.009 --> 00:21:42.108 work done by Doctor Pendharkar.  
NOTE Confidence: 0.878831244545455  
00:21:42.110 --> 00:21:43.370 And for this reason,  
NOTE Confidence: 0.878831244545455  
00:21:43.370 --> 00:21:44.945 it seems logical that specialists,  
NOTE Confidence: 0.878831244545455  
00:21:44.950 --> 00:21:45.982 especially care teams,  
NOTE Confidence: 0.878831244545455  
00:21:45.982 --> 00:21:48.390 would serve as the natural point of  
NOTE Confidence: 0.878831244545455  
00:21:48.454 --> 00:21:50.830 coordination during who needs what when?  
NOTE Confidence: 0.878831244545455  
00:21:50.830 --> 00:21:52.538 But how do we avoid the pitfalls  
NOTE Confidence: 0.878831244545455  
00:21:52.538 --> 00:21:54.150 of the specialist dependent system?  
NOTE Confidence: 0.878831244545455  
00:21:54.150 --> 00:21:57.662 How do we how do we arrange and  
NOTE Confidence: 0.878831244545455  
00:21:57.662 --> 00:22:00.826 coordinate care without burdening our our?  
NOTE Confidence: 0.878831244545455  
00:22:00.826 --> 00:22:02.874 Or scare specialist supply?  
NOTE Confidence: 0.878831244545455

00:22:02.880 --> 00:22:04.500 And how can we coordinate care  
NOTE Confidence: 0.878831244545455

00:22:04.500 --> 00:22:06.689 in a way that promotes the AAA?  
NOTE Confidence: 0.909698886666667

00:22:10.980 --> 00:22:12.700 So while it might not  
NOTE Confidence: 0.909698886666667

00:22:12.700 --> 00:22:14.076 answer all these questions,  
NOTE Confidence: 0.909698886666667

00:22:14.080 --> 00:22:16.525 our RV center's recent experience  
NOTE Confidence: 0.909698886666667

00:22:16.525 --> 00:22:17.992 and referral Coordination  
NOTE Confidence: 0.909698886666667

00:22:17.992 --> 00:22:19.813 initiative provides some valuable  
NOTE Confidence: 0.909698886666667

00:22:19.813 --> 00:22:21.758 insight about how to optimize,  
NOTE Confidence: 0.909698886666667

00:22:21.760 --> 00:22:22.612 especially care coordination.  
NOTE Confidence: 0.909698886666667

00:22:22.612 --> 00:22:24.600 And I'm going to spend a few  
NOTE Confidence: 0.909698886666667

00:22:24.654 --> 00:22:26.026 minutes talking about our  
NOTE Confidence: 0.909698886666667

00:22:26.026 --> 00:22:27.398 experience and our evaluation.  
NOTE Confidence: 0.857862695

00:22:30.780 --> 00:22:32.616 In the Department of Veterans Affairs,  
NOTE Confidence: 0.857862695

00:22:32.620 --> 00:22:33.754 if you spent time in the VA,  
NOTE Confidence: 0.857862695

00:22:33.760 --> 00:22:35.800 you probably know what an E consult is.  
NOTE Confidence: 0.857862695

00:22:35.800 --> 00:22:38.065 Umm, and we've we've essentially

NOTE Confidence: 0.857862695

00:22:38.065 --> 00:22:39.877 incorporated specialists into the

NOTE Confidence: 0.857862695

00:22:39.877 --> 00:22:41.076 coordination and collaboration

NOTE Confidence: 0.857862695

00:22:41.076 --> 00:22:43.140 with primary care providers as part

NOTE Confidence: 0.857862695

00:22:43.140 --> 00:22:45.318 of the console system for years.

NOTE Confidence: 0.857862695

00:22:45.320 --> 00:22:48.463 And this occurred as a divergence from

NOTE Confidence: 0.857862695

00:22:48.463 --> 00:22:51.480 the reliance on synchronous visits,

NOTE Confidence: 0.857862695

00:22:51.480 --> 00:22:53.436 you know, in person visits where

NOTE Confidence: 0.857862695

00:22:53.436 --> 00:22:55.773 you're face to face with a patient

NOTE Confidence: 0.857862695

00:22:55.773 --> 00:22:57.699 or face to face via telehealth.

NOTE Confidence: 0.857862695

00:22:57.700 --> 00:22:59.590 You know the IT avoids a reliance,

NOTE Confidence: 0.857862695

00:22:59.590 --> 00:23:01.996 and there was synchronized visits that

NOTE Confidence: 0.857862695

00:23:01.996 --> 00:23:04.539 require a fair amount of coordination

NOTE Confidence: 0.857862695

00:23:04.539 --> 00:23:07.143 to set up that initial consultation.

NOTE Confidence: 0.857862695

00:23:07.150 --> 00:23:08.350 So in the Econsult model,

NOTE Confidence: 0.857862695

00:23:08.350 --> 00:23:10.366 primary care providers bring the patient

NOTE Confidence: 0.857862695

00:23:10.366 --> 00:23:12.623 to the attention of a specialist  
NOTE Confidence: 0.857862695

00:23:12.623 --> 00:23:14.753 specialist reviews the patients chart  
NOTE Confidence: 0.857862695

00:23:14.753 --> 00:23:16.773 asynchronously and alerts a separate  
NOTE Confidence: 0.857862695

00:23:16.773 --> 00:23:18.483 group of administrative staff to  
NOTE Confidence: 0.857862695

00:23:18.483 --> 00:23:22.018 schedule the next steps and management.  
NOTE Confidence: 0.857862695

00:23:22.020 --> 00:23:22.904 This process is great,  
NOTE Confidence: 0.857862695

00:23:22.904 --> 00:23:24.730 it gets patients to where they need to go,  
NOTE Confidence: 0.857862695

00:23:24.730 --> 00:23:26.954 but it has limitations.  
NOTE Confidence: 0.857862695

00:23:26.954 --> 00:23:28.962 First, at the specialist level,  
NOTE Confidence: 0.857862695

00:23:28.962 --> 00:23:29.688 this part,  
NOTE Confidence: 0.857862695

00:23:29.690 --> 00:23:32.010 this process requires a fair amount of time.  
NOTE Confidence: 0.857862695

00:23:32.010 --> 00:23:34.194 We estimated it took about 25  
NOTE Confidence: 0.857862695

00:23:34.194 --> 00:23:35.650 minutes per sleep console,  
NOTE Confidence: 0.857862695

00:23:35.650 --> 00:23:38.326 which is a lot considering the  
NOTE Confidence: 0.857862695

00:23:38.326 --> 00:23:40.110 existing positive specialists and  
NOTE Confidence: 0.857862695

00:23:40.187 --> 00:23:42.627 existing limitations on their time.

NOTE Confidence: 0.857862695

00:23:42.630 --> 00:23:44.548 The second issue is that although we

NOTE Confidence: 0.857862695

00:23:44.548 --> 00:23:46.087 saved some administrative time by not

NOTE Confidence: 0.857862695

00:23:46.087 --> 00:23:47.634 having to schedule the patients into a

NOTE Confidence: 0.857862695

00:23:47.685 --> 00:23:49.370 synchronous visit with the specialist,

NOTE Confidence: 0.857862695

00:23:49.370 --> 00:23:51.170 there's still some need for

NOTE Confidence: 0.857862695

00:23:51.170 --> 00:23:52.610 scheduling the ultimate service,

NOTE Confidence: 0.857862695

00:23:52.610 --> 00:23:56.229 and this problem is by and large.

NOTE Confidence: 0.857862695

00:23:56.230 --> 00:23:59.149 You know the a lack of scheduling

NOTE Confidence: 0.857862695

00:23:59.149 --> 00:24:01.680 personnel who are familiar with

NOTE Confidence: 0.857862695

00:24:01.680 --> 00:24:04.076 this this specialized service.

NOTE Confidence: 0.857862695

00:24:04.080 --> 00:24:04.830 You know,

NOTE Confidence: 0.857862695

00:24:04.830 --> 00:24:06.705 frequently they use a utilized

NOTE Confidence: 0.857862695

00:24:06.705 --> 00:24:08.839 schedulers who who may schedule

NOTE Confidence: 0.857862695

00:24:08.839 --> 00:24:10.719 across multiple specialties across

NOTE Confidence: 0.857862695

00:24:10.719 --> 00:24:12.990 primary care and specialty care.

NOTE Confidence: 0.857862695

00:24:12.990 --> 00:24:15.462 And there's a lack of clarity  
NOTE Confidence: 0.857862695

00:24:15.462 --> 00:24:16.698 around scheduling priority,  
NOTE Confidence: 0.857862695

00:24:16.700 --> 00:24:18.806 lack of ability to communicate with  
NOTE Confidence: 0.857862695

00:24:18.806 --> 00:24:20.923 patients about their next steps and  
NOTE Confidence: 0.857862695

00:24:20.923 --> 00:24:22.867 specifically what needs to be done.  
NOTE Confidence: 0.833538396

00:24:27.730 --> 00:24:29.914 So as a result this, this,  
NOTE Confidence: 0.833538396

00:24:29.914 --> 00:24:32.574 this form of specialist directed  
NOTE Confidence: 0.833538396

00:24:32.574 --> 00:24:34.594 coordination has some problems and  
NOTE Confidence: 0.833538396

00:24:34.594 --> 00:24:37.434 up to 50% of patients referred for  
NOTE Confidence: 0.833538396

00:24:37.434 --> 00:24:39.464 specialist services don't receive them.  
NOTE Confidence: 0.833538396

00:24:39.470 --> 00:24:41.822 Less than 10% of patients were contacted  
NOTE Confidence: 0.833538396

00:24:41.822 --> 00:24:44.236 to scheduled within a week and patients  
NOTE Confidence: 0.833538396

00:24:44.236 --> 00:24:45.916 are increasingly referred outside of  
NOTE Confidence: 0.833538396

00:24:45.916 --> 00:24:48.339 the VA system resulting in additional  
NOTE Confidence: 0.833538396

00:24:48.339 --> 00:24:49.959 duplicative testing and delays.  
NOTE Confidence: 0.795659724736842

00:24:52.700 --> 00:24:54.848 Now these issues with specialty care

NOTE Confidence: 0.795659724736842  
00:24:54.848 --> 00:24:57.107 coordination are not unique to sleep and  
NOTE Confidence: 0.795659724736842  
00:24:57.107 --> 00:24:59.444 they're not unique to the VA A recent  
NOTE Confidence: 0.795659724736842  
00:24:59.444 --> 00:25:01.454 comprehensive review of of referral,  
NOTE Confidence: 0.795659724736842  
00:25:01.460 --> 00:25:03.430 especially care referrals within the  
NOTE Confidence: 0.795659724736842  
00:25:03.430 --> 00:25:06.036 within the Duke system found that less  
NOTE Confidence: 0.795659724736842  
00:25:06.036 --> 00:25:08.714 than 35% of of referrals from primary  
NOTE Confidence: 0.795659724736842  
00:25:08.714 --> 00:25:11.620 especially care led to service delivery.  
NOTE Confidence: 0.795659724736842  
00:25:11.620 --> 00:25:13.636 There's a lot of people who fall out,  
NOTE Confidence: 0.795659724736842  
00:25:13.640 --> 00:25:14.580 fall through their cracks.  
NOTE Confidence: 0.835184239375  
00:25:16.970 --> 00:25:19.022 And this issue played out across  
NOTE Confidence: 0.835184239375  
00:25:19.022 --> 00:25:20.390 multiple specialties in the  
NOTE Confidence: 0.835184239375  
00:25:20.452 --> 00:25:22.048 VA across the last 10 years,  
NOTE Confidence: 0.835184239375  
00:25:22.050 --> 00:25:23.970 capturing the attention of of leadership.  
NOTE Confidence: 0.835184239375  
00:25:23.970 --> 00:25:26.110 And in 2017 and 2018,  
NOTE Confidence: 0.835184239375  
00:25:26.110 --> 00:25:29.670 the director of VA's then director of access,  
NOTE Confidence: 0.835184239375

00:25:29.670 --> 00:25:32.848 Doctor Susan Kirsch, and Doctor David O,  
NOTE Confidence: 0.835184239375

00:25:32.850 --> 00:25:35.010 who's a pulmonologist and my  
NOTE Confidence: 0.835184239375

00:25:35.010 --> 00:25:37.170 mentor at the Seattle HRD,  
NOTE Confidence: 0.835184239375

00:25:37.170 --> 00:25:38.775 began discussing how to discuss  
NOTE Confidence: 0.835184239375

00:25:38.775 --> 00:25:40.990 how to how to address this gap.  
NOTE Confidence: 0.835184239375

00:25:40.990 --> 00:25:43.132 And the goal was to overcome limited  
NOTE Confidence: 0.835184239375

00:25:43.132 --> 00:25:44.820 specialist time and coordination.  
NOTE Confidence: 0.835184239375

00:25:44.820 --> 00:25:47.070 And they had two main strategies.  
NOTE Confidence: 0.835184239375

00:25:47.070 --> 00:25:48.294 To meet this need,  
NOTE Confidence: 0.835184239375

00:25:48.294 --> 00:25:50.766 the first was to create an integrated  
NOTE Confidence: 0.835184239375

00:25:50.766 --> 00:25:53.014 practice unit to coordinate  
NOTE Confidence: 0.835184239375

00:25:53.014 --> 00:25:54.700 specially care transitions.  
NOTE Confidence: 0.835184239375

00:25:54.700 --> 00:25:56.772 And the second was to incorporate alternate  
NOTE Confidence: 0.835184239375

00:25:56.772 --> 00:25:58.679 care providers to offload specialists.  
NOTE Confidence: 0.7474954433333333

00:26:00.930 --> 00:26:03.066 So what's an integrated practice unit?  
NOTE Confidence: 0.7474954433333333

00:26:03.070 --> 00:26:05.026 The concept of an integrated practice

NOTE Confidence: 0.7474954433333333  
00:26:05.026 --> 00:26:07.402 unit is really one of team based  
NOTE Confidence: 0.7474954433333333  
00:26:07.402 --> 00:26:09.424 care that works together to achieve  
NOTE Confidence: 0.7474954433333333  
00:26:09.424 --> 00:26:11.031 patients longitudinal needs centered  
NOTE Confidence: 0.7474954433333333  
00:26:11.031 --> 00:26:13.437 around a common set of conditions.  
NOTE Confidence: 0.7474954433333333  
00:26:13.440 --> 00:26:15.480 There are four main steps to  
NOTE Confidence: 0.7474954433333333  
00:26:15.480 --> 00:26:17.170 developing an integrated practice unit.  
NOTE Confidence: 0.7474954433333333  
00:26:17.170 --> 00:26:18.990 First, you'd have to define the comp,  
NOTE Confidence: 0.7474954433333333  
00:26:18.990 --> 00:26:21.390 the the condition and the problem,  
NOTE Confidence: 0.7474954433333333  
00:26:21.390 --> 00:26:25.326 map the patients process to meet those needs,  
NOTE Confidence: 0.7474954433333333  
00:26:25.330 --> 00:26:26.890 create a multidisciplinary team  
NOTE Confidence: 0.7474954433333333  
00:26:26.890 --> 00:26:29.731 to meet that need with a shared  
NOTE Confidence: 0.7474954433333333  
00:26:29.731 --> 00:26:31.876 group of norms and structures.  
NOTE Confidence: 0.7474954433333333  
00:26:31.880 --> 00:26:33.116 And is your outcomes to ensure  
NOTE Confidence: 0.7474954433333333  
00:26:33.116 --> 00:26:34.160 that the needs are met,  
NOTE Confidence: 0.7474954433333333  
00:26:34.160 --> 00:26:35.325 make sure that you're you're  
NOTE Confidence: 0.7474954433333333

00:26:35.325 --> 00:26:36.749 you're doing what you what you  
NOTE Confidence: 0.7474954433333333

00:26:36.749 --> 00:26:37.809 think you should be doing.  
NOTE Confidence: 0.751072329090909

00:26:40.790 --> 00:26:43.316 What resulted out of this process  
NOTE Confidence: 0.751072329090909

00:26:43.316 --> 00:26:45.470 was the referral coordination model,  
NOTE Confidence: 0.751072329090909

00:26:45.470 --> 00:26:47.710 which is an integrated practice  
NOTE Confidence: 0.751072329090909

00:26:47.710 --> 00:26:49.950 unit to managing referrals between  
NOTE Confidence: 0.751072329090909

00:26:49.950 --> 00:26:52.630 especially primary and specialty care.  
NOTE Confidence: 0.751072329090909

00:26:52.630 --> 00:26:54.694 In this system, nurses manage referrals  
NOTE Confidence: 0.751072329090909

00:26:54.694 --> 00:26:56.450 using dishes and support tools,  
NOTE Confidence: 0.751072329090909

00:26:56.450 --> 00:26:57.818 collaborate with dedicated administrative  
NOTE Confidence: 0.751072329090909

00:26:57.818 --> 00:26:59.528 staff to arrange next steps,  
NOTE Confidence: 0.751072329090909

00:26:59.530 --> 00:27:01.876 and engage specialists only as needed.  
NOTE Confidence: 0.817114615

00:27:04.200 --> 00:27:06.003 So here I'd like to contrast the new  
NOTE Confidence: 0.817114615

00:27:06.003 --> 00:27:08.168 system referral coordination with the  
NOTE Confidence: 0.817114615

00:27:08.168 --> 00:27:11.118 traditional system kind of side by side  
NOTE Confidence: 0.817114615

00:27:11.118 --> 00:27:13.028 instead of siloed discrete systems

NOTE Confidence: 0.817114615

00:27:13.028 --> 00:27:15.140 for decision making coordination.

NOTE Confidence: 0.817114615

00:27:15.140 --> 00:27:17.076 Referral Coordination team takes

NOTE Confidence: 0.817114615

00:27:17.076 --> 00:27:19.496 collective responsibility for patient care.

NOTE Confidence: 0.817114615

00:27:19.500 --> 00:27:21.698 Specialists are moved out of series and

NOTE Confidence: 0.817114615

00:27:21.698 --> 00:27:24.185 moved into an as needed role instead

NOTE Confidence: 0.817114615

00:27:24.185 --> 00:27:28.055 specialists being involved in each referral.

NOTE Confidence: 0.817114615

00:27:28.060 --> 00:27:30.419 Nurses take the first stab at E

NOTE Confidence: 0.817114615

00:27:30.419 --> 00:27:32.929 consultation using a decision support tool.

NOTE Confidence: 0.856267424

00:27:36.550 --> 00:27:37.530 Before I go any further,

NOTE Confidence: 0.856267424

00:27:37.530 --> 00:27:40.032 I want to highlight the critical

NOTE Confidence: 0.856267424

00:27:40.032 --> 00:27:42.211 importance of this decision support

NOTE Confidence: 0.856267424

00:27:42.211 --> 00:27:44.401 tool and illustrate that it's

NOTE Confidence: 0.856267424

00:27:44.401 --> 00:27:46.572 it's really not something that

NOTE Confidence: 0.856267424

00:27:46.572 --> 00:27:48.654 can be done quickly or easily.

NOTE Confidence: 0.856267424

00:27:48.660 --> 00:27:50.700 To facilitate the the nurses decision

NOTE Confidence: 0.856267424

00:27:50.700 --> 00:27:52.457 making within our context within  
NOTE Confidence: 0.856267424

00:27:52.457 --> 00:27:54.497 our center a well vetted decision  
NOTE Confidence: 0.856267424

00:27:54.497 --> 00:27:56.204 support tools critical and the key  
NOTE Confidence: 0.856267424

00:27:56.204 --> 00:27:58.180 and it's the key to kind of sharing  
NOTE Confidence: 0.856267424

00:27:58.180 --> 00:28:00.180 specialty care knowledge between  
NOTE Confidence: 0.856267424

00:28:00.180 --> 00:28:03.030 the specialist and press and and  
NOTE Confidence: 0.856267424

00:28:03.030 --> 00:28:05.872 takes a lot of work our our center  
NOTE Confidence: 0.856267424

00:28:05.872 --> 00:28:07.632 approach this the the creation  
NOTE Confidence: 0.856267424

00:28:07.632 --> 00:28:09.216 of this decision support tool in  
NOTE Confidence: 0.856267424

00:28:09.216 --> 00:28:11.392 a collaborative fashion prior to  
NOTE Confidence: 0.856267424

00:28:11.392 --> 00:28:12.550 deploying referral coordination  
NOTE Confidence: 0.856267424

00:28:12.550 --> 00:28:14.480 our director of Sleep Medicine  
NOTE Confidence: 0.856267424

00:28:14.536 --> 00:28:16.356 Doctor Brian Palin work extensively  
NOTE Confidence: 0.856267424

00:28:16.356 --> 00:28:18.176 with Larry Fernandez the chief.  
NOTE Confidence: 0.856267424

00:28:18.180 --> 00:28:20.480 For coordination nurse and the  
NOTE Confidence: 0.856267424

00:28:20.480 --> 00:28:21.860 referral coordination team.

NOTE Confidence: 0.856267424

00:28:21.860 --> 00:28:23.799 They met weekly for for I think

NOTE Confidence: 0.856267424

00:28:23.799 --> 00:28:25.140 it was about 3 year,

NOTE Confidence: 0.856267424

00:28:25.140 --> 00:28:27.504 four months vetting the tool and

NOTE Confidence: 0.856267424

00:28:27.504 --> 00:28:29.429 ensuring shared decision making and

NOTE Confidence: 0.856267424

00:28:29.429 --> 00:28:31.523 this turned into a living document

NOTE Confidence: 0.856267424

00:28:31.523 --> 00:28:34.315 over time and we adapted it as we went,

NOTE Confidence: 0.856267424

00:28:34.320 --> 00:28:35.040 as as we,

NOTE Confidence: 0.856267424

00:28:35.040 --> 00:28:36.480 as we identified areas where what

NOTE Confidence: 0.856267424

00:28:36.480 --> 00:28:38.621 we thought we were communicating

NOTE Confidence: 0.856267424

00:28:38.621 --> 00:28:40.007 wasn't necessarily communicated.

NOTE Confidence: 0.84179643

00:28:43.170 --> 00:28:44.050 In the next few minutes,

NOTE Confidence: 0.84179643

00:28:44.050 --> 00:28:46.010 I want to show you a review the

NOTE Confidence: 0.84179643

00:28:46.010 --> 00:28:47.601 findings of our comprehensive

NOTE Confidence: 0.84179643

00:28:47.601 --> 00:28:49.689 evaluation and referral coordination.

NOTE Confidence: 0.84179643

00:28:49.690 --> 00:28:53.470 Essentially, we wanted to know if the

NOTE Confidence: 0.84179643

00:28:53.470 --> 00:28:56.039 referral coordination delivered on the AAA.

NOTE Confidence: 0.84179643

00:28:56.040 --> 00:28:57.515 And so we comprehensively assess

NOTE Confidence: 0.84179643

00:28:57.515 --> 00:28:58.695 the impacts on timeliness,

NOTE Confidence: 0.84179643

00:28:58.700 --> 00:29:00.092 patient experience, quality,

NOTE Confidence: 0.84179643

00:29:00.092 --> 00:29:01.948 costs and staff experience.

NOTE Confidence: 0.70934737125

00:29:04.140 --> 00:29:05.900 First, our analysis focused

NOTE Confidence: 0.70934737125

00:29:05.900 --> 00:29:07.660 on communist and access.

NOTE Confidence: 0.70934737125

00:29:07.660 --> 00:29:09.438 We looked at data from May 2018.

NOTE Confidence: 0.70934737125

00:29:09.440 --> 00:29:10.560 Referral coordination

NOTE Confidence: 0.70934737125

00:29:10.560 --> 00:29:12.800 started until December 2019,

NOTE Confidence: 0.70934737125

00:29:12.800 --> 00:29:15.302 which is chosen to avoid confounding

NOTE Confidence: 0.70934737125

00:29:15.302 --> 00:29:17.124 from the COVID-19 pandemic.

NOTE Confidence: 0.70934737125

00:29:17.124 --> 00:29:18.600 During this time,

NOTE Confidence: 0.70934737125

00:29:18.600 --> 00:29:20.580 we rolled out four coordination

NOTE Confidence: 0.70934737125

00:29:20.580 --> 00:29:22.164 alongside the traditional system

NOTE Confidence: 0.70934737125

00:29:22.164 --> 00:29:24.049 and patients received other

NOTE Confidence: 0.70934737125  
00:29:24.049 --> 00:29:25.945 traditional or referral full  
NOTE Confidence: 0.70934737125  
00:29:25.945 --> 00:29:27.560 coordination based on provider  
NOTE Confidence: 0.70934737125  
00:29:27.560 --> 00:29:29.840 availability at the time of triage.  
NOTE Confidence: 0.70934737125  
00:29:29.840 --> 00:29:31.544 And so patients who went down  
NOTE Confidence: 0.70934737125  
00:29:31.544 --> 00:29:32.680 the the traditional path,  
NOTE Confidence: 0.70934737125  
00:29:32.680 --> 00:29:35.930 they continued using our traditional  
NOTE Confidence: 0.70934737125  
00:29:35.930 --> 00:29:38.206 methods for scheduling and  
NOTE Confidence: 0.70934737125  
00:29:38.206 --> 00:29:39.836 the patients in the referral  
NOTE Confidence: 0.70934737125  
00:29:39.836 --> 00:29:41.607 coordination path they went into  
NOTE Confidence: 0.70934737125  
00:29:41.607 --> 00:29:43.219 this referral coordination team.  
NOTE Confidence: 0.70934737125  
00:29:43.220 --> 00:29:47.544 We given concerns that there might be some.  
NOTE Confidence: 0.70934737125  
00:29:47.550 --> 00:29:49.505 Uh, differences in who lands  
NOTE Confidence: 0.70934737125  
00:29:49.505 --> 00:29:52.010 into one group or the other.  
NOTE Confidence: 0.70934737125  
00:29:52.010 --> 00:29:54.670 Although it was pretty much quasi random,  
NOTE Confidence: 0.70934737125  
00:29:54.670 --> 00:29:57.076 we did match within biweekly time  
NOTE Confidence: 0.70934737125

00:29:57.076 --> 00:29:59.150 periods based on propensity score,  
NOTE Confidence: 0.70934737125

00:29:59.150 --> 00:30:00.458 including patient characteristics  
NOTE Confidence: 0.70934737125

00:30:00.458 --> 00:30:03.074 affecting that were thought to affect  
NOTE Confidence: 0.70934737125

00:30:03.074 --> 00:30:05.168 Council complexity as well as access.  
NOTE Confidence: 0.74436551

00:30:08.090 --> 00:30:09.686 Overall, we saw marked benefits to RCI  
NOTE Confidence: 0.74436551

00:30:09.686 --> 00:30:11.648 in terms of timeliness of appointments,  
NOTE Confidence: 0.74436551

00:30:11.650 --> 00:30:13.320 timeliness of scheduling and we  
NOTE Confidence: 0.74436551

00:30:13.320 --> 00:30:15.357 saw fewer patients needing to be  
NOTE Confidence: 0.74436551

00:30:15.357 --> 00:30:16.907 referred outside of the system.  
NOTE Confidence: 0.74436551

00:30:16.910 --> 00:30:19.294 The results were very similar when we look  
NOTE Confidence: 0.74436551

00:30:19.294 --> 00:30:21.590 beyond the propensity matched population  
NOTE Confidence: 0.74436551

00:30:21.590 --> 00:30:24.236 and they were essentially the same.  
NOTE Confidence: 0.892045467692308

00:30:29.130 --> 00:30:31.122 We also conducted surveys with patients  
NOTE Confidence: 0.892045467692308

00:30:31.122 --> 00:30:33.218 who are randomly selected from each arm,  
NOTE Confidence: 0.892045467692308

00:30:33.220 --> 00:30:34.865 assessing whether they agreed their  
NOTE Confidence: 0.892045467692308

00:30:34.865 --> 00:30:36.819 care and contact were timely and

NOTE Confidence: 0.892045467692308  
00:30:36.819 --> 00:30:38.618 whether they knew what the next steps  
NOTE Confidence: 0.892045467692308  
00:30:38.618 --> 00:30:40.817 in their in their care were and whether  
NOTE Confidence: 0.892045467692308  
00:30:40.817 --> 00:30:42.326 they were treated with respect.  
NOTE Confidence: 0.892045467692308  
00:30:42.326 --> 00:30:43.990 Overall, for coordination of  
NOTE Confidence: 0.892045467692308  
00:30:43.990 --> 00:30:45.654 patients and the referral,  
NOTE Confidence: 0.892045467692308  
00:30:45.660 --> 00:30:47.195 coordination were more likely than  
NOTE Confidence: 0.892045467692308  
00:30:47.195 --> 00:30:48.730 patients in the traditional system  
NOTE Confidence: 0.892045467692308  
00:30:48.784 --> 00:30:50.387 to agree with each of these prompts.  
NOTE Confidence: 0.7200335633333333  
00:30:53.200 --> 00:30:55.780 We then compare the traditional  
NOTE Confidence: 0.7200335633333333  
00:30:55.780 --> 00:30:57.844 system and for coordination.  
NOTE Confidence: 0.7200335633333333  
00:30:57.850 --> 00:31:00.209 Head to head in terms of quality,  
NOTE Confidence: 0.7200335633333333  
00:31:00.210 --> 00:31:02.520 we looked directly at those referred  
NOTE Confidence: 0.7200335633333333  
00:31:02.520 --> 00:31:04.962 for initial OA evaluation and testing  
NOTE Confidence: 0.7200335633333333  
00:31:04.962 --> 00:31:07.042 compared to traditional system versus  
NOTE Confidence: 0.7200335633333333  
00:31:07.042 --> 00:31:09.426 4 coordination to assess the quality  
NOTE Confidence: 0.7200335633333333

00:31:09.426 --> 00:31:11.606 of sleep study orders compared  
NOTE Confidence: 0.7200335633333333

00:31:11.606 --> 00:31:15.952 objectively with the ASM guidelines and  
NOTE Confidence: 0.7200335633333333

00:31:15.952 --> 00:31:19.324 in addition to the overall patients.  
NOTE Confidence: 0.7200335633333333

00:31:19.330 --> 00:31:23.002 Overall we wanted to look at patients who  
NOTE Confidence: 0.7200335633333333

00:31:23.002 --> 00:31:26.610 were looked at in independently by nurses,  
NOTE Confidence: 0.7200335633333333

00:31:26.610 --> 00:31:28.626 you know those for whom they did not.  
NOTE Confidence: 0.7200335633333333

00:31:28.630 --> 00:31:30.910 Ask for help from a specialist.  
NOTE Confidence: 0.7200335633333333

00:31:30.910 --> 00:31:32.842 Relative to comparable patients,  
NOTE Confidence: 0.7200335633333333

00:31:32.842 --> 00:31:35.740 propensity matched within who who had  
NOTE Confidence: 0.7200335633333333

00:31:35.818 --> 00:31:38.858 consultation done by specialists themselves.  
NOTE Confidence: 0.75974282

00:31:42.190 --> 00:31:43.814 In the overall sample,  
NOTE Confidence: 0.75974282

00:31:43.814 --> 00:31:47.650 our our our main interests were H sats  
NOTE Confidence: 0.75974282

00:31:47.650 --> 00:31:50.450 with a potential contraindication.  
NOTE Confidence: 0.75974282

00:31:50.450 --> 00:31:52.774 As as defined by the 2017 and  
NOTE Confidence: 0.75974282

00:31:52.774 --> 00:31:54.522 some guidelines and overall we  
NOTE Confidence: 0.75974282

00:31:54.522 --> 00:31:56.556 saw well it was relatively rare

NOTE Confidence: 0.75974282

00:31:56.556 --> 00:31:59.636 that we had home tests with the

NOTE Confidence: 0.75974282

00:31:59.636 --> 00:32:01.034 potential confident indication.

NOTE Confidence: 0.75974282

00:32:01.040 --> 00:32:04.340 There were fewer in the referral

NOTE Confidence: 0.75974282

00:32:04.340 --> 00:32:06.492 Coordination group which participate

NOTE Confidence: 0.75974282

00:32:06.492 --> 00:32:09.648 which was borne out when we

NOTE Confidence: 0.75974282

00:32:09.648 --> 00:32:12.640 tested this hypothesis formally.

NOTE Confidence: 0.75974282

00:32:12.640 --> 00:32:16.505 And there was about the adjusted risk

NOTE Confidence: 0.75974282

00:32:16.505 --> 00:32:18.455 ratio was about .5 for guideline

NOTE Confidence: 0.75974282

00:32:18.455 --> 00:32:20.363 for those referred for guideline

NOTE Confidence: 0.75974282

00:32:20.363 --> 00:32:22.538 discordant test and those completing

NOTE Confidence: 0.75974282

00:32:22.538 --> 00:32:24.200 the guideline discordant test.

NOTE Confidence: 0.72083134625

00:32:27.590 --> 00:32:30.100 And the propensity matched subsample

NOTE Confidence: 0.72083134625

00:32:30.100 --> 00:32:33.646 of of those those sleep study orders

NOTE Confidence: 0.72083134625

00:32:33.646 --> 00:32:36.700 that were done independently by nurses

NOTE Confidence: 0.72083134625

00:32:36.790 --> 00:32:39.378 or independently by specialists.

NOTE Confidence: 0.72083134625

00:32:39.380 --> 00:32:41.915 We saw comparable proportions of  
NOTE Confidence: 0.72083134625

00:32:41.915 --> 00:32:43.943 individuals with a potentially  
NOTE Confidence: 0.72083134625

00:32:43.943 --> 00:32:45.552 contraindicated home sleep apnea  
NOTE Confidence: 0.72083134625

00:32:45.552 --> 00:32:47.974 test order and as well as potentially  
NOTE Confidence: 0.72083134625

00:32:48.044 --> 00:32:50.738 inappropriate home sleep apnea test order,  
NOTE Confidence: 0.72083134625

00:32:50.740 --> 00:32:54.534 namely those with those with those ASM  
NOTE Confidence: 0.72083134625

00:32:54.534 --> 00:32:57.139 contraindications plus those that lacked  
NOTE Confidence: 0.72083134625

00:32:57.140 --> 00:33:00.244 a a symptom that would indicate high risk.  
NOTE Confidence: 0.79838826

00:33:03.900 --> 00:33:07.394 And here you can see when we tested the  
NOTE Confidence: 0.79838826

00:33:07.394 --> 00:33:10.014 potentially county Contra indicated orders  
NOTE Confidence: 0.79838826

00:33:10.014 --> 00:33:12.110 and potentially inappropriate orders,  
NOTE Confidence: 0.79838826

00:33:12.110 --> 00:33:15.222 we did not see a difference across groups  
NOTE Confidence: 0.79838826

00:33:15.222 --> 00:33:18.439 in the propensity matched subsample.  
NOTE Confidence: 0.79838826

00:33:18.440 --> 00:33:20.560 But if anything, there was,  
NOTE Confidence: 0.79838826

00:33:20.560 --> 00:33:22.708 you know, potentially would  
NOTE Confidence: 0.79838826

00:33:22.708 --> 00:33:24.856 favor the four coordination,

NOTE Confidence: 0.79838826

00:33:24.860 --> 00:33:27.098 although there was no significant difference.

NOTE Confidence: 0.843232043478261

00:33:32.590 --> 00:33:35.411 One critical aspect that we we looked

NOTE Confidence: 0.843232043478261

00:33:35.411 --> 00:33:39.068 at was staff time as well as as a as

NOTE Confidence: 0.843232043478261

00:33:39.068 --> 00:33:41.460 an introduction to looking at cost.

NOTE Confidence: 0.843232043478261

00:33:41.460 --> 00:33:42.732 And as we deployed,

NOTE Confidence: 0.843232043478261

00:33:42.732 --> 00:33:44.322 there were four coordination and

NOTE Confidence: 0.843232043478261

00:33:44.322 --> 00:33:46.375 we surveyed specialists as well as

NOTE Confidence: 0.843232043478261

00:33:46.375 --> 00:33:48.552 nurses about the time they spent

NOTE Confidence: 0.843232043478261

00:33:48.552 --> 00:33:50.747 performing E Councils and surveyed

NOTE Confidence: 0.843232043478261

00:33:50.747 --> 00:33:52.925 administrative staff members around the

NOTE Confidence: 0.843232043478261

00:33:52.925 --> 00:33:55.000 time they spend scheduling services.

NOTE Confidence: 0.843232043478261

00:33:55.000 --> 00:33:57.538 We then compare these time estimates

NOTE Confidence: 0.843232043478261

00:33:57.538 --> 00:33:59.679 to objective productivity and the

NOTE Confidence: 0.843232043478261

00:33:59.679 --> 00:34:01.569 number of consults completed and

NOTE Confidence: 0.843232043478261

00:34:01.569 --> 00:34:04.179 scheduled by each type of staff member.

NOTE Confidence: 0.843232043478261

00:34:04.180 --> 00:34:06.640 Overall, with report for coordination,  
NOTE Confidence: 0.843232043478261

00:34:06.640 --> 00:34:11.344 specialist spent 16 minutes less per consult.  
NOTE Confidence: 0.843232043478261

00:34:11.350 --> 00:34:14.190 25 minutes to 9 minutes.  
NOTE Confidence: 0.843232043478261

00:34:14.190 --> 00:34:15.630 But as you can see here,  
NOTE Confidence: 0.843232043478261

00:34:15.630 --> 00:34:18.480 there was actually more time overall  
NOTE Confidence: 0.843232043478261

00:34:18.480 --> 00:34:20.378 devoted to consultation because  
NOTE Confidence: 0.843232043478261

00:34:20.378 --> 00:34:23.696 we we added nurses and the nurses  
NOTE Confidence: 0.843232043478261

00:34:23.696 --> 00:34:26.068 spent 36 minutes per consult.  
NOTE Confidence: 0.843232043478261

00:34:26.070 --> 00:34:30.156 Overall, MSA time was relatively similar.  
NOTE Confidence: 0.843232043478261

00:34:30.160 --> 00:34:33.177 So he spent 20 more collective minutes  
NOTE Confidence: 0.843232043478261

00:34:33.177 --> 00:34:36.677 of of time from from staff members,  
NOTE Confidence: 0.843232043478261

00:34:36.680 --> 00:34:39.284 but overall there is really not  
NOTE Confidence: 0.843232043478261

00:34:39.284 --> 00:34:42.082 much difference in terms of of of  
NOTE Confidence: 0.843232043478261

00:34:42.082 --> 00:34:45.096 overall cost due to the the the  
NOTE Confidence: 0.843232043478261

00:34:45.096 --> 00:34:47.964 difference in cost per unit time  
NOTE Confidence: 0.843232043478261

00:34:47.964 --> 00:34:51.168 for nurses relative to specialist.

NOTE Confidence: 0.843232043478261  
00:34:51.170 --> 00:34:52.706 When we incorporated lower  
NOTE Confidence: 0.843232043478261  
00:34:52.706 --> 00:34:54.626 community care costs as well,  
NOTE Confidence: 0.843232043478261  
00:34:54.630 --> 00:34:56.496 there there there wasn't much in  
NOTE Confidence: 0.843232043478261  
00:34:56.496 --> 00:34:58.730 terms of a difference between the two,  
NOTE Confidence: 0.843232043478261  
00:34:58.730 --> 00:35:01.258 between the two groups in two groups in  
NOTE Confidence: 0.843232043478261  
00:35:01.258 --> 00:35:05.040 terms of overall costs when we employed  
NOTE Confidence: 0.843232043478261  
00:35:05.040 --> 00:35:07.920 our pretty healthy confidence intervals.  
NOTE Confidence: 0.774550536666667  
00:35:13.480 --> 00:35:14.748 In addition to overall  
NOTE Confidence: 0.774550536666667  
00:35:14.748 --> 00:35:16.333 cost just for for triage,  
NOTE Confidence: 0.774550536666667  
00:35:16.340 --> 00:35:19.508 we also wanted to take a more global  
NOTE Confidence: 0.774550536666667  
00:35:19.508 --> 00:35:23.006 view of the value of specialist time.  
NOTE Confidence: 0.774550536666667  
00:35:23.010 --> 00:35:25.930 So we as we as we mentioned 6,  
NOTE Confidence: 0.774550536666667  
00:35:25.930 --> 00:35:28.570 there's 16 minutes less spent by  
NOTE Confidence: 0.774550536666667  
00:35:28.570 --> 00:35:31.440 specialist on each referral in the  
NOTE Confidence: 0.774550536666667  
00:35:31.440 --> 00:35:33.904 referral coordination and in the  
NOTE Confidence: 0.774550536666667

00:35:33.904 --> 00:35:35.338 referral coordination program.  
NOTE Confidence: 0.774550536666667

00:35:35.340 --> 00:35:38.580 And based on this reclaim time,  
NOTE Confidence: 0.774550536666667

00:35:38.580 --> 00:35:40.364 there's potential value there.  
NOTE Confidence: 0.774550536666667

00:35:40.364 --> 00:35:43.879 We estimate that if you turn that time.  
NOTE Confidence: 0.774550536666667

00:35:43.880 --> 00:35:46.406 Uh, into more visits for every  
NOTE Confidence: 0.774550536666667

00:35:46.406 --> 00:35:49.267 thousand referrals that went to the  
NOTE Confidence: 0.774550536666667

00:35:49.267 --> 00:35:50.911 referral coordination initiative  
NOTE Confidence: 0.774550536666667

00:35:50.911 --> 00:35:53.232 versus versus our traditional approach.  
NOTE Confidence: 0.774550536666667

00:35:53.232 --> 00:35:56.447 You could do up to 800 new  
NOTE Confidence: 0.774550536666667

00:35:56.447 --> 00:35:59.255 encounters with the value of that  
NOTE Confidence: 0.774550536666667

00:35:59.255 --> 00:36:02.460 care estimated about \$70,000.  
NOTE Confidence: 0.774550536666667

00:36:02.460 --> 00:36:04.868 And just in terms of what has happened  
NOTE Confidence: 0.774550536666667

00:36:04.868 --> 00:36:07.039 since we've implemented this program,  
NOTE Confidence: 0.774550536666667

00:36:07.040 --> 00:36:07.728 we've had,  
NOTE Confidence: 0.774550536666667

00:36:07.728 --> 00:36:09.792 we've we've been able to dramatically  
NOTE Confidence: 0.774550536666667

00:36:09.792 --> 00:36:11.695 increase the number of video visits

NOTE Confidence: 0.774550536666667  
00:36:11.695 --> 00:36:14.129 we we perform and the number of sleep  
NOTE Confidence: 0.774550536666667  
00:36:14.129 --> 00:36:16.073 tests that we're able to accommodate.  
NOTE Confidence: 0.821936546666667  
00:36:19.640 --> 00:36:21.369 And finally, I just want to briefly  
NOTE Confidence: 0.821936546666667  
00:36:21.369 --> 00:36:23.040 touch on our qualitative work.  
NOTE Confidence: 0.821936546666667  
00:36:23.040 --> 00:36:25.950 We conducted interviews among RCI  
NOTE Confidence: 0.821936546666667  
00:36:25.950 --> 00:36:27.930 team members, SLEEP specialists,  
NOTE Confidence: 0.821936546666667  
00:36:27.930 --> 00:36:29.955 one of our respiration therapists  
NOTE Confidence: 0.821936546666667  
00:36:29.955 --> 00:36:32.320 who was involved in the RA program.  
NOTE Confidence: 0.821936546666667  
00:36:32.320 --> 00:36:35.776 As well as 16 referring providers,  
NOTE Confidence: 0.821936546666667  
00:36:35.780 --> 00:36:39.460 pretty much primary care providers.  
NOTE Confidence: 0.821936546666667  
00:36:39.460 --> 00:36:42.500 And our qualitative interviews,  
NOTE Confidence: 0.821936546666667  
00:36:42.500 --> 00:36:45.216 they they they touched on a number  
NOTE Confidence: 0.821936546666667  
00:36:45.216 --> 00:36:46.520 of themes including efficiency,  
NOTE Confidence: 0.821936546666667  
00:36:46.520 --> 00:36:48.080 patient access and experience,  
NOTE Confidence: 0.821936546666667  
00:36:48.080 --> 00:36:49.464 staff well-being, satisfaction,  
NOTE Confidence: 0.821936546666667

00:36:49.464 --> 00:36:51.276 sharing, especially care,  
NOTE Confidence: 0.821936546666667

00:36:51.276 --> 00:36:52.544 knowledge, nurse autonomy,  
NOTE Confidence: 0.821936546666667

00:36:52.544 --> 00:36:54.536 as well as coordination and communication.  
NOTE Confidence: 0.897686023

00:36:56.640 --> 00:36:58.015 I'm just going to talk  
NOTE Confidence: 0.897686023

00:36:58.015 --> 00:36:59.842 about a few of these staff.  
NOTE Confidence: 0.897686023

00:36:59.842 --> 00:37:03.006 You know they discussed a lot around  
NOTE Confidence: 0.897686023

00:37:03.006 --> 00:37:05.916 the impacts on nurses, autonomy and.  
NOTE Confidence: 0.897686023

00:37:05.916 --> 00:37:09.204 Something that we noted is that  
NOTE Confidence: 0.897686023

00:37:09.204 --> 00:37:12.238 while the nurses appreciated  
NOTE Confidence: 0.897686023

00:37:12.238 --> 00:37:14.989 clear algorithmic criteria,  
NOTE Confidence: 0.897686023

00:37:14.990 --> 00:37:18.090 that had its limits.  
NOTE Confidence: 0.897686023

00:37:18.090 --> 00:37:20.267 You know, as one sleep specialist mentioned,  
NOTE Confidence: 0.897686023

00:37:20.270 --> 00:37:21.824 initially we had hoped that the  
NOTE Confidence: 0.897686023

00:37:21.824 --> 00:37:23.209 decision support tool was going  
NOTE Confidence: 0.897686023

00:37:23.209 --> 00:37:24.409 to cover every eventuality,  
NOTE Confidence: 0.897686023

00:37:24.410 --> 00:37:26.384 but then the toolkit became so exhaustive

NOTE Confidence: 0.897686023

00:37:26.384 --> 00:37:28.529 and so detailed that it becomes unusable.

NOTE Confidence: 0.897686023

00:37:28.530 --> 00:37:31.194 So the key, one of the key things that

NOTE Confidence: 0.897686023

00:37:31.194 --> 00:37:33.806 we found in this process was that.

NOTE Confidence: 0.897686023

00:37:33.810 --> 00:37:37.030 There needs to be a balance between

NOTE Confidence: 0.897686023

00:37:37.030 --> 00:37:40.097 detail and and just the pragmatic

NOTE Confidence: 0.897686023

00:37:40.097 --> 00:37:43.283 nature of of getting things done.

NOTE Confidence: 0.897686023

00:37:43.290 --> 00:37:44.950 And also of note,

NOTE Confidence: 0.897686023

00:37:44.950 --> 00:37:47.025 specialists mentioned that they were

NOTE Confidence: 0.897686023

00:37:47.025 --> 00:37:49.979 able to spend less time kind of echoing,

NOTE Confidence: 0.897686023

00:37:49.980 --> 00:37:52.328 reinforcing the our, our,

NOTE Confidence: 0.897686023

00:37:52.328 --> 00:37:55.263 our quantitative findings and primary

NOTE Confidence: 0.897686023

00:37:55.263 --> 00:37:59.155 care providers echoed what we found

NOTE Confidence: 0.897686023

00:37:59.155 --> 00:38:01.452 quantitatively around greater availability

NOTE Confidence: 0.897686023

00:38:01.452 --> 00:38:04.488 in terms of access to services.

NOTE Confidence: 0.8255958725

00:38:08.100 --> 00:38:10.588 When it comes to a pretty high overview,

NOTE Confidence: 0.8255958725

00:38:10.590 --> 00:38:12.886 we come to the conclusion that the  
NOTE Confidence: 0.8255958725

00:38:12.886 --> 00:38:14.442 referral coordination program at  
NOTE Confidence: 0.8255958725

00:38:14.442 --> 00:38:17.118 least based on our local experience.  
NOTE Confidence: 0.8255958725

00:38:17.120 --> 00:38:20.828 Gets us a little bit closer to the triplane  
NOTE Confidence: 0.8255958725

00:38:20.828 --> 00:38:24.224 and maybe a guide for for coordinating  
NOTE Confidence: 0.8255958725

00:38:24.224 --> 00:38:27.734 sleep care services going forward.  
NOTE Confidence: 0.8255958725

00:38:27.740 --> 00:38:29.295 We found that there was  
NOTE Confidence: 0.8255958725

00:38:29.295 --> 00:38:30.539 greater access to services,  
NOTE Confidence: 0.8255958725

00:38:30.540 --> 00:38:32.885 greater improved patient experience of  
NOTE Confidence: 0.8255958725

00:38:32.885 --> 00:38:36.196 care and similar per capita cost with  
NOTE Confidence: 0.8255958725

00:38:36.196 --> 00:38:38.431 the potential for greater healthcare  
NOTE Confidence: 0.8255958725

00:38:38.431 --> 00:38:41.288 system value for the reclaimed provider  
NOTE Confidence: 0.8255958725

00:38:41.288 --> 00:38:43.595 time and in general our interviews  
NOTE Confidence: 0.8255958725

00:38:43.595 --> 00:38:45.055 indicated a positive experience.  
NOTE Confidence: 0.8255958725

00:38:45.060 --> 00:38:46.300 So we can potentially speak  
NOTE Confidence: 0.8255958725

00:38:46.300 --> 00:38:47.540 to their quadrupling as well.

NOTE Confidence: 0.70295667

00:38:50.450 --> 00:38:54.090 However, globally within pro coordination,

NOTE Confidence: 0.70295667

00:38:54.090 --> 00:38:57.180 more work will need to be done to adapt

NOTE Confidence: 0.70295667

00:38:57.180 --> 00:38:59.610 the practices to contacts within the

NOTE Confidence: 0.70295667

00:38:59.610 --> 00:39:01.768 other specialties and other locations.

NOTE Confidence: 0.70295667

00:39:01.770 --> 00:39:04.276 the VA has worked on disseminating RCI

NOTE Confidence: 0.70295667

00:39:04.276 --> 00:39:06.358 across all specialties with the goal

NOTE Confidence: 0.70295667

00:39:06.358 --> 00:39:08.342 of adopting initially by June 2021.

NOTE Confidence: 0.70295667

00:39:08.342 --> 00:39:10.754 Harbor sites have been limited and

NOTE Confidence: 0.70295667

00:39:10.754 --> 00:39:12.560 their implementation across specialties

NOTE Confidence: 0.70295667

00:39:12.560 --> 00:39:14.712 with potential drivers including

NOTE Confidence: 0.70295667

00:39:14.712 --> 00:39:16.864 insufficient staffing and adequate

NOTE Confidence: 0.70295667

00:39:16.864 --> 00:39:18.910 information to guide patients around

NOTE Confidence: 0.70295667

00:39:18.910 --> 00:39:20.715 options like a clear guidance.

NOTE Confidence: 0.70295667

00:39:20.720 --> 00:39:22.724 These new sites where it's been

NOTE Confidence: 0.70295667

00:39:22.724 --> 00:39:24.920 rolled out in other specialties.

NOTE Confidence: 0.70295667

00:39:24.920 --> 00:39:29.496 And and and on that basis of those  
NOTE Confidence: 0.70295667

00:39:29.496 --> 00:39:32.359 initial hurdles through the sale  
NOTE Confidence: 0.70295667

00:39:32.359 --> 00:39:34.393 donor center of Innovation for health  
NOTE Confidence: 0.70295667

00:39:34.393 --> 00:39:36.100 services research and development,  
NOTE Confidence: 0.70295667

00:39:36.100 --> 00:39:37.945 we're actually leading a nationwide  
NOTE Confidence: 0.70295667

00:39:37.945 --> 00:39:40.168 evaluation to better understand and meet  
NOTE Confidence: 0.70295667

00:39:40.168 --> 00:39:41.778 these barriers to implementation more  
NOTE Confidence: 0.70295667

00:39:41.778 --> 00:39:44.060 widely with RCI and other specialties.  
NOTE Confidence: 0.75048555

00:39:48.870 --> 00:39:52.056 So thus far we've presented OSA care on the  
NOTE Confidence: 0.75048555

00:39:52.056 --> 00:39:55.284 context of the default mode of provider  
NOTE Confidence: 0.75048555

00:39:55.284 --> 00:39:57.148 delivered and recommended services,  
NOTE Confidence: 0.75048555

00:39:57.150 --> 00:39:58.950 which I think is going to be the default  
NOTE Confidence: 0.75048555

00:39:58.950 --> 00:40:00.805 mode for at least the foreseeable future.  
NOTE Confidence: 0.75048555

00:40:00.810 --> 00:40:02.302 But before we close,  
NOTE Confidence: 0.75048555

00:40:02.302 --> 00:40:06.114 I want to talk a little bit about an  
NOTE Confidence: 0.75048555

00:40:06.114 --> 00:40:09.696 additional and and potential alternative

NOTE Confidence: 0.75048555

00:40:09.696 --> 00:40:13.126 approach that we could consider.

NOTE Confidence: 0.75048555

00:40:13.130 --> 00:40:16.010 The default mode to provide a

NOTE Confidence: 0.75048555

00:40:16.010 --> 00:40:17.930 recommended and referred services

NOTE Confidence: 0.75048555

00:40:18.013 --> 00:40:20.149 goes a little bit like this.

NOTE Confidence: 0.75048555

00:40:20.150 --> 00:40:22.250 A patient has a need for services,

NOTE Confidence: 0.75048555

00:40:22.250 --> 00:40:25.040 patients discuss their need with providers,

NOTE Confidence: 0.75048555

00:40:25.040 --> 00:40:27.362 provider orders the next the services

NOTE Confidence: 0.75048555

00:40:27.362 --> 00:40:30.298 to meet those needs and the health

NOTE Confidence: 0.75048555

00:40:30.298 --> 00:40:32.046 system delivers that services.

NOTE Confidence: 0.75048555

00:40:32.050 --> 00:40:33.722 However, for certain services,

NOTE Confidence: 0.75048555

00:40:33.722 --> 00:40:36.570 providers might just get in the way.

NOTE Confidence: 0.75048555

00:40:36.570 --> 00:40:37.848 You know it.

NOTE Confidence: 0.75048555

00:40:37.848 --> 00:40:40.404 We we may consider what's known

NOTE Confidence: 0.75048555

00:40:40.404 --> 00:40:43.559 as a population health approach.

NOTE Confidence: 0.75048555

00:40:43.560 --> 00:40:45.445 Where the health system proactively

NOTE Confidence: 0.75048555

00:40:45.445 --> 00:40:46.953 identifies the patients need.  
NOTE Confidence: 0.75048555

00:40:46.960 --> 00:40:51.598 And deliver services directly to patients.  
NOTE Confidence: 0.75048555

00:40:51.600 --> 00:40:53.238 And I think this is going to  
NOTE Confidence: 0.75048555

00:40:53.240 --> 00:40:55.260 become more of a a,  
NOTE Confidence: 0.75048555

00:40:55.260 --> 00:40:57.604 a model going forward as we seek to  
NOTE Confidence: 0.75048555

00:40:57.604 --> 00:40:59.755 expand the population health reach  
NOTE Confidence: 0.75048555

00:40:59.755 --> 00:41:01.755 of our effective interventions.  
NOTE Confidence: 0.676164573

00:41:03.840 --> 00:41:05.348 One potential implication application  
NOTE Confidence: 0.676164573

00:41:05.348 --> 00:41:07.610 in OSA is around weight loss.  
NOTE Confidence: 0.676164573

00:41:07.610 --> 00:41:09.926 Obesity explains about 60% of OSA  
NOTE Confidence: 0.676164573

00:41:09.926 --> 00:41:12.009 severity and lifestyle based weight  
NOTE Confidence: 0.676164573

00:41:12.009 --> 00:41:14.374 loss interventions improve OSA severity  
NOTE Confidence: 0.676164573

00:41:14.374 --> 00:41:16.671 and are currently recommended in  
NOTE Confidence: 0.676164573

00:41:16.671 --> 00:41:18.687 guidelines for all patients with OSA  
NOTE Confidence: 0.676164573

00:41:18.687 --> 00:41:22.068 and obesity at least to be offered.  
NOTE Confidence: 0.676164573

00:41:22.070 --> 00:41:25.240 However, these these these guidelines

NOTE Confidence: 0.676164573

00:41:25.240 --> 00:41:28.410 are frequently not adhered to.

NOTE Confidence: 0.676164573

00:41:28.410 --> 00:41:32.059 And 33% of only about 33% of patients

NOTE Confidence: 0.676164573

00:41:32.059 --> 00:41:34.515 with OSA discuss weight loss with

NOTE Confidence: 0.676164573

00:41:34.515 --> 00:41:36.948 providers and less than 10% of of

NOTE Confidence: 0.676164573

00:41:36.948 --> 00:41:38.468 patients with OSA access lifestyle

NOTE Confidence: 0.676164573

00:41:38.468 --> 00:41:40.236 interventions even if they're available

NOTE Confidence: 0.676164573

00:41:40.236 --> 00:41:41.840 within their healthcare system.

NOTE Confidence: 0.7658607135

00:41:43.920 --> 00:41:45.866 There were two reasons for this lack

NOTE Confidence: 0.7658607135

00:41:45.866 --> 00:41:48.239 of reach and they include an adequate

NOTE Confidence: 0.7658607135

00:41:48.239 --> 00:41:50.453 patient time and adequate provider time,

NOTE Confidence: 0.7658607135

00:41:50.460 --> 00:41:52.540 distance from services they're frequently

NOTE Confidence: 0.7658607135

00:41:52.540 --> 00:41:55.542 provided on site as well as the lack

NOTE Confidence: 0.7658607135

00:41:55.542 --> 00:41:57.530 of flexibility in the way that we

NOTE Confidence: 0.7658607135

00:41:57.594 --> 00:41:59.738 deliver those those interventions.

NOTE Confidence: 0.7658607135

00:41:59.740 --> 00:42:04.036 And so that leads many patients did not

NOTE Confidence: 0.7658607135

00:42:04.036 --> 00:42:05.431 receive these lifestyle based weight  
NOTE Confidence: 0.7658607135

00:42:05.431 --> 00:42:07.087 loss programs that are recommended.  
NOTE Confidence: 0.819050581818182

00:42:09.570 --> 00:42:11.148 Umm and so one thing we've  
NOTE Confidence: 0.819050581818182

00:42:11.148 --> 00:42:12.410 we've been thinking about is,  
NOTE Confidence: 0.819050581818182

00:42:12.410 --> 00:42:14.430 is a population health approach  
NOTE Confidence: 0.819050581818182

00:42:14.430 --> 00:42:16.750 to weight loss care in LA.  
NOTE Confidence: 0.819050581818182

00:42:16.750 --> 00:42:18.332 And ideally if you're going to deliver  
NOTE Confidence: 0.819050581818182

00:42:18.332 --> 00:42:20.189 things in a population health manner,  
NOTE Confidence: 0.819050581818182

00:42:20.190 --> 00:42:22.590 an intervention would be remote and  
NOTE Confidence: 0.819050581818182

00:42:22.590 --> 00:42:24.472 scalable and and luckily we have one  
NOTE Confidence: 0.819050581818182

00:42:24.472 --> 00:42:26.074 of our close colleagues and doctor  
NOTE Confidence: 0.819050581818182

00:42:26.074 --> 00:42:27.748 Ma from the University of Illinois,  
NOTE Confidence: 0.819050581818182

00:42:27.750 --> 00:42:30.280 Chicago developed a remote self-directed  
NOTE Confidence: 0.819050581818182

00:42:30.280 --> 00:42:32.810 weight loss program that compares  
NOTE Confidence: 0.819050581818182

00:42:32.881 --> 00:42:35.066 favorably to in person services.  
NOTE Confidence: 0.819050581818182

00:42:35.070 --> 00:42:37.746 Although the impact in OSA is

NOTE Confidence: 0.819050581818182  
00:42:37.746 --> 00:42:40.228 unclear and when tested anonymously  
NOTE Confidence: 0.819050581818182  
00:42:40.228 --> 00:42:43.298 populations really leads to modest  
NOTE Confidence: 0.819050581818182  
00:42:43.298 --> 00:42:46.430 but detectable benefits to weight.  
NOTE Confidence: 0.819050581818182  
00:42:46.430 --> 00:42:48.198 These self-directed programs might  
NOTE Confidence: 0.819050581818182  
00:42:48.198 --> 00:42:50.850 be appropriate for patients with OSA  
NOTE Confidence: 0.819050581818182  
00:42:50.850 --> 00:42:53.722 as patients with OSA tend to be more  
NOTE Confidence: 0.819050581818182  
00:42:53.722 --> 00:42:56.127 engaged with weight loss relative to  
NOTE Confidence: 0.819050581818182  
00:42:56.127 --> 00:42:58.958 peers without us say and there are  
NOTE Confidence: 0.819050581818182  
00:42:58.958 --> 00:43:01.394 definite benefits to weight loss in  
NOTE Confidence: 0.819050581818182  
00:43:01.394 --> 00:43:03.464 terms of symptomatic improvements  
NOTE Confidence: 0.819050581818182  
00:43:03.464 --> 00:43:06.099 even from modest weight loss.  
NOTE Confidence: 0.819050581818182  
00:43:06.100 --> 00:43:07.836 And so with this background in mind,  
NOTE Confidence: 0.819050581818182  
00:43:07.840 --> 00:43:10.425 we're currently testing a population  
NOTE Confidence: 0.819050581818182  
00:43:10.425 --> 00:43:13.480 health approach to weight loss care.  
NOTE Confidence: 0.819050581818182  
00:43:13.480 --> 00:43:15.260 And recruiting patients nationwide  
NOTE Confidence: 0.819050581818182

00:43:15.260 --> 00:43:16.595 within the VA,  
NOTE Confidence: 0.819050581818182

00:43:16.600 --> 00:43:19.070 we proactively identify veterans with  
NOTE Confidence: 0.819050581818182

00:43:19.070 --> 00:43:22.014 recently diagnosed to reconfirm OSA and  
NOTE Confidence: 0.819050581818182

00:43:22.014 --> 00:43:23.640 obesity, invite them to participate.  
NOTE Confidence: 0.819050581818182

00:43:23.640 --> 00:43:24.860 If they opt in,  
NOTE Confidence: 0.819050581818182

00:43:24.860 --> 00:43:27.398 we randomize them to remote self-directed  
NOTE Confidence: 0.819050581818182

00:43:27.398 --> 00:43:29.979 care with the weight loss center,  
NOTE Confidence: 0.819050581818182

00:43:29.980 --> 00:43:32.640 with the self-directed weight loss  
NOTE Confidence: 0.819050581818182

00:43:32.640 --> 00:43:35.005 intervention or usual usual care  
NOTE Confidence: 0.819050581818182

00:43:35.005 --> 00:43:38.539 and then follow them up to over 24  
NOTE Confidence: 0.819050581818182

00:43:38.539 --> 00:43:40.340 months looking at primary outcomes  
NOTE Confidence: 0.819050581818182

00:43:40.340 --> 00:43:41.780 including sleep player quality  
NOTE Confidence: 0.819050581818182

00:43:41.780 --> 00:43:43.488 of life measured by fosc.  
NOTE Confidence: 0.819050581818182

00:43:43.490 --> 00:43:45.914 As well as some of the measured weight.  
NOTE Confidence: 0.819050581818182

00:43:45.920 --> 00:43:47.720 Thus far we've randomized about  
NOTE Confidence: 0.819050581818182

00:43:47.720 --> 00:43:50.370 550 veterans and should should

NOTE Confidence: 0.819050581818182  
00:43:50.370 --> 00:43:53.020 hit our planned recruitment number  
NOTE Confidence: 0.819050581818182  
00:43:53.107 --> 00:43:55.820 by 696 by May of this year.  
NOTE Confidence: 0.819050581818182  
00:43:55.820 --> 00:43:57.560 Just another potential approach  
NOTE Confidence: 0.819050581818182  
00:43:57.560 --> 00:43:59.300 to meeting our patient,  
NOTE Confidence: 0.819050581818182  
00:43:59.300 --> 00:44:00.860 meeting the needs of our patients with those.  
NOTE Confidence: 0.845925216666667  
00:44:03.530 --> 00:44:05.630 So to recap, within Sleep Medicine  
NOTE Confidence: 0.845925216666667  
00:44:05.630 --> 00:44:07.825 we have evidence based tools to  
NOTE Confidence: 0.845925216666667  
00:44:07.825 --> 00:44:09.640 overcome barriers of geography and  
NOTE Confidence: 0.845925216666667  
00:44:09.640 --> 00:44:11.578 capacity and we have strategies  
NOTE Confidence: 0.845925216666667  
00:44:11.578 --> 00:44:13.543 that can integrate and coordinate  
NOTE Confidence: 0.845925216666667  
00:44:13.543 --> 00:44:16.125 care for these for these different  
NOTE Confidence: 0.845925216666667  
00:44:16.125 --> 00:44:17.985 options across the population,  
NOTE Confidence: 0.845925216666667  
00:44:17.990 --> 00:44:20.060 their care delivery models that are  
NOTE Confidence: 0.845925216666667  
00:44:20.060 --> 00:44:22.131 well developed and other in other  
NOTE Confidence: 0.845925216666667  
00:44:22.131 --> 00:44:24.027 conditions as well as within inner,  
NOTE Confidence: 0.845925216666667

00:44:24.030 --> 00:44:26.698 inner emerging within OSA.  
NOTE Confidence: 0.845925216666667

00:44:26.700 --> 00:44:29.010 Pro coordination can streamline appropriate  
NOTE Confidence: 0.845925216666667

00:44:29.010 --> 00:44:31.320 referrals and navigate these transitions,  
NOTE Confidence: 0.845925216666667

00:44:31.320 --> 00:44:32.632 and population health management  
NOTE Confidence: 0.845925216666667

00:44:32.632 --> 00:44:35.085 may serve as a future way of  
NOTE Confidence: 0.845925216666667

00:44:35.085 --> 00:44:36.357 reorganizing and improving,  
NOTE Confidence: 0.845925216666667

00:44:36.360 --> 00:44:38.000 further improving access to services.  
NOTE Confidence: 0.903989647142857

00:44:40.590 --> 00:44:42.486 However, there are some  
NOTE Confidence: 0.903989647142857

00:44:42.486 --> 00:44:43.908 key unanswered questions.  
NOTE Confidence: 0.903989647142857

00:44:43.910 --> 00:44:46.248 As alluded to earlier in the presentation,  
NOTE Confidence: 0.903989647142857

00:44:46.250 --> 00:44:48.794 we don't have a lot of high quality  
NOTE Confidence: 0.903989647142857

00:44:48.794 --> 00:44:50.623 experimental evidence to guide patient  
NOTE Confidence: 0.903989647142857

00:44:50.623 --> 00:44:52.508 selection for these more complicated,  
NOTE Confidence: 0.903989647142857

00:44:52.510 --> 00:44:53.398 complex pathways.  
NOTE Confidence: 0.903989647142857

00:44:53.398 --> 00:44:56.885 As of yet, the there are no trials  
NOTE Confidence: 0.903989647142857

00:44:56.885 --> 00:44:59.653 that really confirm the the the

NOTE Confidence: 0.903989647142857  
00:44:59.653 --> 00:45:02.273 populations where we absolutely need  
NOTE Confidence: 0.903989647142857  
00:45:02.273 --> 00:45:05.389 PSG versus home sleep apnea test.  
NOTE Confidence: 0.903989647142857  
00:45:05.390 --> 00:45:09.446 Similarly, we we don't know exactly.  
NOTE Confidence: 0.903989647142857  
00:45:09.450 --> 00:45:11.900 From the patients who absolutely  
NOTE Confidence: 0.903989647142857  
00:45:11.900 --> 00:45:13.370 need specialists relative  
NOTE Confidence: 0.903989647142857  
00:45:13.370 --> 00:45:15.460 to alternate care providers.  
NOTE Confidence: 0.903989647142857  
00:45:15.460 --> 00:45:17.806 And where the where the actual  
NOTE Confidence: 0.903989647142857  
00:45:17.806 --> 00:45:19.370 impacts of redesign systems  
NOTE Confidence: 0.903989647142857  
00:45:19.444 --> 00:45:21.196 on care on a global level.  
NOTE Confidence: 0.903989647142857  
00:45:21.200 --> 00:45:23.104 You know what do we do for reach  
NOTE Confidence: 0.903989647142857  
00:45:23.104 --> 00:45:24.621 when we integrate both these  
NOTE Confidence: 0.903989647142857  
00:45:24.621 --> 00:45:26.910 systems within and and are able to  
NOTE Confidence: 0.903989647142857  
00:45:26.972 --> 00:45:29.152 manage the the transitions within  
NOTE Confidence: 0.903989647142857  
00:45:29.152 --> 00:45:30.896 a referral coordination pathway.  
NOTE Confidence: 0.903989647142857  
00:45:30.900 --> 00:45:33.945 How do we most effectively train the  
NOTE Confidence: 0.903989647142857

00:45:33.945 --> 00:45:36.443 alternate care providers and what are  
NOTE Confidence: 0.903989647142857

00:45:36.443 --> 00:45:38.669 the long term impacts on patients  
NOTE Confidence: 0.903989647142857

00:45:38.669 --> 00:45:41.377 trust and satisfaction as we move  
NOTE Confidence: 0.903989647142857

00:45:41.377 --> 00:45:44.300 away from highly specialized. One way St.  
NOTE Confidence: 0.903989647142857

00:45:44.300 --> 00:45:47.600 to a more collaborative model.  
NOTE Confidence: 0.903989647142857

00:45:47.600 --> 00:45:49.595 And what are the settings in which  
NOTE Confidence: 0.903989647142857

00:45:49.600 --> 00:45:51.124 population health management?  
NOTE Confidence: 0.903989647142857

00:45:51.124 --> 00:45:53.764 Where we, where we?  
NOTE Confidence: 0.903989647142857

00:45:53.764 --> 00:45:57.824 Avoid these issues around these  
NOTE Confidence: 0.903989647142857

00:45:57.824 --> 00:46:00.782 requirements that providers identify.  
NOTE Confidence: 0.903989647142857

00:46:00.782 --> 00:46:04.436 The issues, make the order all that.  
NOTE Confidence: 0.903989647142857

00:46:04.440 --> 00:46:07.080 Where can we integrate population  
NOTE Confidence: 0.903989647142857

00:46:07.080 --> 00:46:09.288 health approaches that meet the needs  
NOTE Confidence: 0.903989647142857

00:46:09.288 --> 00:46:11.010 of patients in a more streamlined  
NOTE Confidence: 0.903989647142857

00:46:11.068 --> 00:46:13.399 fashion and where is it actually effective?  
NOTE Confidence: 0.903989647142857

00:46:13.400 --> 00:46:13.814 Right now,

NOTE Confidence: 0.903989647142857  
00:46:13.814 --> 00:46:15.263 we don't know where it is effective.  
NOTE Confidence: 0.765663802857143  
00:46:17.830 --> 00:46:21.778 And finally, I think a pretty major  
NOTE Confidence: 0.765663802857143  
00:46:21.780 --> 00:46:25.670 question is how do we pay for all of this?  
NOTE Confidence: 0.765663802857143  
00:46:25.670 --> 00:46:27.945 It should be apparent from the the  
NOTE Confidence: 0.765663802857143  
00:46:27.945 --> 00:46:29.256 discussion that integrated health  
NOTE Confidence: 0.765663802857143  
00:46:29.256 --> 00:46:31.230 systems like VA or Kaiser would be  
NOTE Confidence: 0.765663802857143  
00:46:31.230 --> 00:46:33.447 well suited to this kind of model  
NOTE Confidence: 0.765663802857143  
00:46:33.447 --> 00:46:35.042 given their health systems incentives.  
NOTE Confidence: 0.765663802857143  
00:46:35.050 --> 00:46:38.146 Such a model becomes trickier and  
NOTE Confidence: 0.765663802857143  
00:46:38.146 --> 00:46:42.096 in in systems that rely on fee  
NOTE Confidence: 0.765663802857143  
00:46:42.096 --> 00:46:44.476 for service for reimbursement.  
NOTE Confidence: 0.765663802857143  
00:46:44.480 --> 00:46:45.968 Particularly when you start  
NOTE Confidence: 0.765663802857143  
00:46:45.968 --> 00:46:47.456 talking about incorporating non,  
NOTE Confidence: 0.765663802857143  
00:46:47.460 --> 00:46:50.288 non providers into the delivery of care,  
NOTE Confidence: 0.765663802857143  
00:46:50.290 --> 00:46:51.910 how do they bill for their  
NOTE Confidence: 0.765663802857143

00:46:51.910 --> 00:46:53.230 services and how do we,  
NOTE Confidence: 0.765663802857143

00:46:53.230 --> 00:46:56.359 how do we align what they're doing  
NOTE Confidence: 0.765663802857143

00:46:56.359 --> 00:46:58.705 with traditional scopes of practice  
NOTE Confidence: 0.765663802857143

00:46:58.705 --> 00:47:01.015 out in in other organizations?  
NOTE Confidence: 0.765663802857143

00:47:01.020 --> 00:47:01.528 However,  
NOTE Confidence: 0.765663802857143

00:47:01.528 --> 00:47:03.906 there are some opportunities along  
NOTE Confidence: 0.765663802857143

00:47:03.906 --> 00:47:06.674 the in the in the near distant future  
NOTE Confidence: 0.765663802857143

00:47:06.674 --> 00:47:09.320 in the form of bundle payments  
NOTE Confidence: 0.765663802857143

00:47:09.320 --> 00:47:11.540 and more value based purchasing  
NOTE Confidence: 0.765663802857143

00:47:11.620 --> 00:47:14.026 which is becoming more and more.  
NOTE Confidence: 0.765663802857143

00:47:14.030 --> 00:47:16.118 More and more of the standard  
NOTE Confidence: 0.765663802857143

00:47:16.118 --> 00:47:17.162 across the industry,  
NOTE Confidence: 0.765663802857143

00:47:17.170 --> 00:47:18.715 things like accountable care organizations  
NOTE Confidence: 0.765663802857143

00:47:18.715 --> 00:47:20.790 as well as value based contracts,  
NOTE Confidence: 0.765663802857143

00:47:20.790 --> 00:47:23.542 we may see those become increasingly  
NOTE Confidence: 0.765663802857143

00:47:23.542 --> 00:47:27.852 increasingly available and available to

NOTE Confidence: 0.765663802857143

00:47:27.852 --> 00:47:30.706 reimburse you know strategies such as these.

NOTE Confidence: 0.88540006

00:47:35.050 --> 00:47:38.394 So with that, I just wanted to

NOTE Confidence: 0.88540006

00:47:38.394 --> 00:47:39.746 close by saying redesign processes

NOTE Confidence: 0.88540006

00:47:39.746 --> 00:47:41.682 for care is not going to be easy.

NOTE Confidence: 0.88540006

00:47:41.690 --> 00:47:43.178 There's a mountain of work ahead

NOTE Confidence: 0.88540006

00:47:43.178 --> 00:47:44.989 of us that we need to climb.

NOTE Confidence: 0.88540006

00:47:44.990 --> 00:47:46.490 However, by using existing

NOTE Confidence: 0.88540006

00:47:46.490 --> 00:47:48.365 evidence as well as frameworks,

NOTE Confidence: 0.88540006

00:47:48.370 --> 00:47:50.398 we can create a path forward

NOTE Confidence: 0.88540006

00:47:50.398 --> 00:47:52.310 that aligns with our values.

NOTE Confidence: 0.88540006

00:47:52.310 --> 00:47:53.418 By using these frameworks

NOTE Confidence: 0.88540006

00:47:53.418 --> 00:47:54.803 and focusing on our values,

NOTE Confidence: 0.88540006

00:47:54.810 --> 00:47:57.750 we can rigorously test these assumptions

NOTE Confidence: 0.88540006

00:47:57.750 --> 00:48:00.070 and approaches that are being that are

NOTE Confidence: 0.88540006

00:48:00.070 --> 00:48:01.998 going to be necessary to move this

NOTE Confidence: 0.88540006

00:48:01.998 --> 00:48:04.262 closer to fully addressing the population.

NOTE Confidence: 0.88540006

00:48:04.262 --> 00:48:06.860 It's gonna say and maximizing well-being.

NOTE Confidence: 0.88540006

00:48:06.860 --> 00:48:08.834 There's a lot of people I need

NOTE Confidence: 0.88540006

00:48:08.834 --> 00:48:11.650 to think and including mentors,

NOTE Confidence: 0.88540006

00:48:11.650 --> 00:48:13.900 collaborators, my institutions,

NOTE Confidence: 0.88540006

00:48:13.900 --> 00:48:15.925 as well as the Sleep

NOTE Confidence: 0.88540006

00:48:15.925 --> 00:48:17.140 Medicine providers within.

NOTE Confidence: 0.88540006

00:48:17.140 --> 00:48:19.348 BA isn't 20.

NOTE Confidence: 0.88540006

00:48:19.350 --> 00:48:20.028 And with that,

NOTE Confidence: 0.88540006

00:48:20.028 --> 00:48:21.158 I will take your questions.

NOTE Confidence: 0.8175280333333333

00:48:23.070 --> 00:48:25.751 Great. Thank you. Look for a great

NOTE Confidence: 0.8175280333333333

00:48:25.751 --> 00:48:29.825 talk and the 20,000 foot view all the

NOTE Confidence: 0.8175280333333333

00:48:29.825 --> 00:48:32.089 way down to individual view on this.

NOTE Confidence: 0.8175280333333333

00:48:32.090 --> 00:48:34.772 There are a couple of questions in the chat

NOTE Confidence: 0.8175280333333333

00:48:34.772 --> 00:48:37.340 and so we'll start with Doctor Eric Heckman.

NOTE Confidence: 0.8175280333333333

00:48:37.340 --> 00:48:39.540 And so Eric is asking a question or

NOTE Confidence: 0.8175280333333333  
00:48:39.605 --> 00:48:41.516 you want to ask your own question,  
NOTE Confidence: 0.8175280333333333  
00:48:41.520 --> 00:48:43.434 Eric, why don't you do that  
NOTE Confidence: 0.8175280333333333  
00:48:43.434 --> 00:48:45.170 instead of me reading yours?  
NOTE Confidence: 0.8175280333333333  
00:48:45.170 --> 00:48:47.110 Sure, happy to. Great  
NOTE Confidence: 0.8002727666666667  
00:48:47.110 --> 00:48:48.969 talk, Lucas. My my question is,  
NOTE Confidence: 0.8002727666666667  
00:48:48.969 --> 00:48:51.070 you know outside of the VA there's  
NOTE Confidence: 0.8002727666666667  
00:48:51.070 --> 00:48:53.685 like overly onerous amount of  
NOTE Confidence: 0.8002727666666667  
00:48:53.685 --> 00:48:55.150 documentation that has in my opinion  
NOTE Confidence: 0.8002727666666667  
00:48:55.150 --> 00:48:56.515 at least it has to happen proposed  
NOTE Confidence: 0.8002727666666667  
00:48:56.515 --> 00:48:58.860 sleep study and for Valve with CPAP  
NOTE Confidence: 0.83447878  
00:48:58.870 --> 00:49:00.935 that seems to be a persistent barrier  
NOTE Confidence: 0.7631198833333333  
00:49:00.950 --> 00:49:03.746 in in getting less specialized providers  
NOTE Confidence: 0.7631198833333333  
00:49:03.750 --> 00:49:07.390 to take ownership and the OSA pathway.  
NOTE Confidence: 0.7631198833333333  
00:49:07.390 --> 00:49:09.318 So how do you foresee kind of  
NOTE Confidence: 0.7631198833333333  
00:49:09.318 --> 00:49:10.690 breaking through this logjam that  
NOTE Confidence: 0.7631198833333333

00:49:10.690 --> 00:49:12.496 seems to be a barrier to adopting any

NOTE Confidence: 0.7631198833333333

00:49:12.496 --> 00:49:14.494 model for sleep apnea therapy that

NOTE Confidence: 0.7631198833333333

00:49:14.494 --> 00:49:16.516 that doesn't keep the specialist?

NOTE Confidence: 0.7631198833333333

00:49:16.516 --> 00:49:18.570 It's the central cog. Absolutely.

NOTE Confidence: 0.7631198833333333

00:49:18.570 --> 00:49:19.690 That's a great question.

NOTE Confidence: 0.7631198833333333

00:49:19.690 --> 00:49:23.129 I think a a key key limitation in

NOTE Confidence: 0.7631198833333333

00:49:23.129 --> 00:49:25.847 in in innovation and in expanding

NOTE Confidence: 0.7631198833333333

00:49:25.847 --> 00:49:28.425 population health is just the sheer

NOTE Confidence: 0.7631198833333333

00:49:28.425 --> 00:49:31.150 administrative burden and and I I don't

NOTE Confidence: 0.7631198833333333

00:49:31.150 --> 00:49:34.410 have a a very easy answer to that but I

NOTE Confidence: 0.7631198833333333

00:49:34.410 --> 00:49:37.850 think as a field we collectively need to.

NOTE Confidence: 0.7631198833333333

00:49:37.850 --> 00:49:40.730 Encourage payers to recognize where

NOTE Confidence: 0.7631198833333333

00:49:40.730 --> 00:49:44.134 the value of Sleep Medicine services

NOTE Confidence: 0.7631198833333333

00:49:44.134 --> 00:49:48.004 lies and and how to pay for that value

NOTE Confidence: 0.7631198833333333

00:49:48.095 --> 00:49:50.993 the payers there's always going to

NOTE Confidence: 0.7631198833333333

00:49:50.993 --> 00:49:53.145 be you know well I I think we all in

NOTE Confidence: 0.763119883333333  
00:49:53.145 --> 00:49:54.868 this in this room would would would  
NOTE Confidence: 0.763119883333333  
00:49:54.868 --> 00:49:57.000 would want payers to pay more for sleep  
NOTE Confidence: 0.763119883333333  
00:49:57.000 --> 00:49:58.632 care services than they currently do.  
NOTE Confidence: 0.763119883333333  
00:49:58.640 --> 00:50:01.468 I think that's our our our our  
NOTE Confidence: 0.763119883333333  
00:50:01.468 --> 00:50:03.378 particular event they they do  
NOTE Confidence: 0.763119883333333  
00:50:03.378 --> 00:50:05.574 have there are limitations and and  
NOTE Confidence: 0.763119883333333  
00:50:05.574 --> 00:50:07.865 how much they can pay but.  
NOTE Confidence: 0.763119883333333  
00:50:07.865 --> 00:50:10.990 How they allocate those resources  
NOTE Confidence: 0.763119883333333  
00:50:10.990 --> 00:50:13.366 towards meeting the needs of the  
NOTE Confidence: 0.763119883333333  
00:50:13.366 --> 00:50:16.303 patients is is up for is up for  
NOTE Confidence: 0.763119883333333  
00:50:16.303 --> 00:50:19.060 debate and in terms of how do they  
NOTE Confidence: 0.763119883333333  
00:50:19.060 --> 00:50:21.010 allocate resources to to provide  
NOTE Confidence: 0.763119883333333  
00:50:21.010 --> 00:50:22.850 benefit across the population.  
NOTE Confidence: 0.763119883333333  
00:50:22.850 --> 00:50:24.740 Those are those are questions that  
NOTE Confidence: 0.763119883333333  
00:50:24.740 --> 00:50:26.670 that I think need to be had.  
NOTE Confidence: 0.763119883333333

00:50:26.670 --> 00:50:30.247 I think currently you know they the  
NOTE Confidence: 0.7631198833333333

00:50:30.247 --> 00:50:33.250 the limitations that care relies on.  
NOTE Confidence: 0.7631198833333333

00:50:33.250 --> 00:50:35.924 Whether or not you have a sleep  
NOTE Confidence: 0.7631198833333333

00:50:35.924 --> 00:50:37.765 provider who's willing to fill  
NOTE Confidence: 0.7631198833333333

00:50:37.765 --> 00:50:40.615 out all the documentation and in  
NOTE Confidence: 0.7631198833333333

00:50:40.615 --> 00:50:42.425 certain jurisdictions are you able  
NOTE Confidence: 0.7631198833333333

00:50:42.425 --> 00:50:44.420 to your your your ability to get  
NOTE Confidence: 0.7631198833333333

00:50:44.483 --> 00:50:46.457 sleep care relies on your ability  
NOTE Confidence: 0.7631198833333333

00:50:46.457 --> 00:50:48.788 to spend the night in a sleep lab.  
NOTE Confidence: 0.7631198833333333

00:50:48.790 --> 00:50:50.981 Even if you and the sleep provider  
NOTE Confidence: 0.7631198833333333

00:50:50.981 --> 00:50:52.490 don't think you need to.  
NOTE Confidence: 0.7631198833333333

00:50:52.490 --> 00:50:55.498 We need to you know kind of challenge  
NOTE Confidence: 0.7631198833333333

00:50:55.498 --> 00:50:57.924 that paradigm and instead work with  
NOTE Confidence: 0.7631198833333333

00:50:57.924 --> 00:51:00.276 payers to to reimburse care based  
NOTE Confidence: 0.7631198833333333

00:51:00.276 --> 00:51:02.708 on patients likelihood of benefit.  
NOTE Confidence: 0.7631198833333333

00:51:02.710 --> 00:51:03.670 You know there's there's going

NOTE Confidence: 0.7631198833333333  
00:51:03.670 --> 00:51:05.299 to need to be a line somewhere.  
NOTE Confidence: 0.7631198833333333  
00:51:05.300 --> 00:51:07.848 At least in a fee for service  
NOTE Confidence: 0.7631198833333333  
00:51:07.848 --> 00:51:09.999 environment and that's how it's done.  
NOTE Confidence: 0.7631198833333333  
00:51:10.000 --> 00:51:12.190 Now if we consider more value  
NOTE Confidence: 0.7631198833333333  
00:51:12.190 --> 00:51:12.920 based purchasing.  
NOTE Confidence: 0.7631198833333333  
00:51:12.920 --> 00:51:15.272 You know if you provide a healthcare  
NOTE Confidence: 0.7631198833333333  
00:51:15.272 --> 00:51:17.336 system a certain amount of funds  
NOTE Confidence: 0.7631198833333333  
00:51:17.336 --> 00:51:19.316 to to manage a given population  
NOTE Confidence: 0.7631198833333333  
00:51:19.316 --> 00:51:21.333 then the healthcare system itself  
NOTE Confidence: 0.7631198833333333  
00:51:21.333 --> 00:51:23.973 can figure out how to you know use  
NOTE Confidence: 0.7631198833333333  
00:51:23.973 --> 00:51:25.771 their their their resources to  
NOTE Confidence: 0.7631198833333333  
00:51:25.771 --> 00:51:28.069 to manage the population at hand.  
NOTE Confidence: 0.7631198833333333  
00:51:28.070 --> 00:51:30.320 And that's where value based  
NOTE Confidence: 0.7631198833333333  
00:51:30.320 --> 00:51:33.062 purchasing will really become a a  
NOTE Confidence: 0.7631198833333333  
00:51:33.062 --> 00:51:35.564 really become helpful I'm I'm biased.  
NOTE Confidence: 0.7631198833333333

00:51:35.570 --> 00:51:37.487 Was that when I was just going to admit  
NOTE Confidence: 0.7631198833333333

00:51:37.487 --> 00:51:39.624 it just based on where I work in the VA?  
NOTE Confidence: 0.7631198833333333

00:51:39.630 --> 00:51:41.994 But there are limitations as well  
NOTE Confidence: 0.7631198833333333

00:51:41.994 --> 00:51:44.890 and I think there are large policy  
NOTE Confidence: 0.7631198833333333

00:51:44.890 --> 00:51:46.510 and implementation discussions  
NOTE Confidence: 0.7631198833333333

00:51:46.510 --> 00:51:49.750 that that need to be had.  
NOTE Confidence: 0.7631198833333333

00:51:49.750 --> 00:51:51.534 So I'm I'm not sure that I'm necessarily  
NOTE Confidence: 0.7631198833333333

00:51:51.534 --> 00:51:53.516 the one to have those conversations but.  
NOTE Confidence: 0.63390313

00:51:55.700 --> 00:51:56.724 I think. Thanks, Luke.  
NOTE Confidence: 0.63390313

00:51:56.724 --> 00:51:57.604 Good question, Eric.  
NOTE Confidence: 0.63390313

00:51:57.604 --> 00:51:59.424 Thank you. So Doctor Robert  
NOTE Confidence: 0.63390313

00:51:59.424 --> 00:52:00.880 Thomas has another question.  
NOTE Confidence: 0.63390313

00:52:00.880 --> 00:52:02.590 So I'll meet you Robert.  
NOTE Confidence: 0.63390313

00:52:02.590 --> 00:52:03.730 Hopefully your hand is not numb  
NOTE Confidence: 0.63390313

00:52:03.730 --> 00:52:04.870 holding it up for so long.  
NOTE Confidence: 0.77314883375

00:52:11.700 --> 00:52:14.028 Ohh hey look hey long time no see.

NOTE Confidence: 0.77314883375

00:52:14.030 --> 00:52:17.900 It's good to see you. For this audience,

NOTE Confidence: 0.77314883375

00:52:17.900 --> 00:52:21.870 Lucas are very special fellow he.

NOTE Confidence: 0.77314883375

00:52:21.870 --> 00:52:23.370 He really was the only fellow.

NOTE Confidence: 0.77314883375

00:52:23.370 --> 00:52:25.266 I did not have to explain

NOTE Confidence: 0.77314883375

00:52:25.266 --> 00:52:26.530 what high lutein was.

NOTE Confidence: 0.77314883375

00:52:26.530 --> 00:52:28.483 If you go and look at his pub Med

NOTE Confidence: 0.77314883375

00:52:28.483 --> 00:52:30.092 publications, you will see that he has

NOTE Confidence: 0.77314883375

00:52:30.092 --> 00:52:32.301 done some seminal work in this area.

NOTE Confidence: 0.77314883375

00:52:32.301 --> 00:52:36.690 So that was nice anyway so.

NOTE Confidence: 0.77314883375

00:52:36.690 --> 00:52:38.410 You know, I mean, no,

NOTE Confidence: 0.77314883375

00:52:38.410 --> 00:52:41.298 I'm looking in as much as I can

NOTE Confidence: 0.77314883375

00:52:41.298 --> 00:52:43.918 in China and India to try to.

NOTE Confidence: 0.77314883375

00:52:43.920 --> 00:52:46.824 Get him off the ground in terms of.

NOTE Confidence: 0.77314883375

00:52:46.830 --> 00:52:47.990 Interesting. Some of the issue.

NOTE Confidence: 0.77314883375

00:52:47.990 --> 00:52:50.412 It's far worse out there in terms

NOTE Confidence: 0.77314883375

00:52:50.412 --> 00:52:52.648 of resource and needs and so on.  
NOTE Confidence: 0.77314883375

00:52:52.650 --> 00:52:55.098 And one thing which always struck me is that.  
NOTE Confidence: 0.77314883375

00:52:55.100 --> 00:52:57.500 The best.  
NOTE Confidence: 0.77314883375

00:52:57.500 --> 00:53:00.430 Workforce and they are essentially  
NOTE Confidence: 0.77314883375

00:53:00.430 --> 00:53:02.188 blocked from providing.  
NOTE Confidence: 0.77314883375

00:53:02.190 --> 00:53:05.445 Any kind of care or sleep technologist.  
NOTE Confidence: 0.77314883375

00:53:05.450 --> 00:53:07.185 Because they have the exact  
NOTE Confidence: 0.77314883375

00:53:07.185 --> 00:53:08.920 skills which are needed for.  
NOTE Confidence: 0.77314883375

00:53:08.920 --> 00:53:10.060 A lot of sleep management,  
NOTE Confidence: 0.77314883375

00:53:10.060 --> 00:53:12.589 but especially apnea.  
NOTE Confidence: 0.77314883375

00:53:12.590 --> 00:53:14.890 And it would be such a great segue for them,  
NOTE Confidence: 0.77314883375

00:53:14.890 --> 00:53:17.990 right, if you do two or three years at night.  
NOTE Confidence: 0.77314883375

00:53:17.990 --> 00:53:18.394 You know,  
NOTE Confidence: 0.77314883375

00:53:18.394 --> 00:53:20.010 and then you move partly into the day,  
NOTE Confidence: 0.77314883375

00:53:20.010 --> 00:53:23.610 and then you move mostly into the day.  
NOTE Confidence: 0.77314883375

00:53:23.610 --> 00:53:24.780 They are cheaper than those

NOTE Confidence: 0.77314883375

00:53:24.780 --> 00:53:25.900 practitioners and nurses.

NOTE Confidence: 0.77314883375

00:53:25.900 --> 00:53:28.094 They make a decent living.

NOTE Confidence: 0.77314883375

00:53:28.094 --> 00:53:28.480 But.

NOTE Confidence: 0.77314883375

00:53:28.480 --> 00:53:30.419 It's a real career path for them

NOTE Confidence: 0.77314883375

00:53:30.419 --> 00:53:32.106 rather than getting burnt out and

NOTE Confidence: 0.77314883375

00:53:32.106 --> 00:53:33.702 then try and do something else.

NOTE Confidence: 0.77314883375

00:53:33.710 --> 00:53:37.308 And I think the ASM probably can.

NOTE Confidence: 0.77314883375

00:53:37.310 --> 00:53:40.488 You know, SMAC can probably address that.

NOTE Confidence: 0.77314883375

00:53:40.490 --> 00:53:42.390 It'll take a bit of.

NOTE Confidence: 0.77314883375

00:53:42.390 --> 00:53:43.425 Time and effort,

NOTE Confidence: 0.77314883375

00:53:43.425 --> 00:53:45.495 but it's such a readily available

NOTE Confidence: 0.77314883375

00:53:45.495 --> 00:53:47.167 workforce which is being wasted.

NOTE Confidence: 0.77314883375

00:53:47.170 --> 00:53:48.370 Another point I'd like to

NOTE Confidence: 0.77314883375

00:53:48.370 --> 00:53:49.570 make is that sleep care,

NOTE Confidence: 0.77314883375

00:53:49.570 --> 00:53:52.432 one of the reasons why I think we are.

NOTE Confidence: 0.77314883375

00:53:52.440 --> 00:53:54.756 Going behind the systems haven't really

NOTE Confidence: 0.77314883375

00:53:54.756 --> 00:53:57.191 sprung into place to solve problems

NOTE Confidence: 0.77314883375

00:53:57.191 --> 00:53:59.553 is that there's no punishment, right?

NOTE Confidence: 0.77314883375

00:53:59.553 --> 00:54:01.311 We can provide really poor care

NOTE Confidence: 0.77314883375

00:54:01.311 --> 00:54:02.860 and there's no punishment.

NOTE Confidence: 0.77314883375

00:54:02.860 --> 00:54:05.933 We are not part of any mandatory thing like,

NOTE Confidence: 0.77314883375

00:54:05.933 --> 00:54:09.689 you know, checking potassium A1C.

NOTE Confidence: 0.77314883375

00:54:09.690 --> 00:54:11.070 Oh, you know, bone density,

NOTE Confidence: 0.77314883375

00:54:11.070 --> 00:54:11.732 etcetera, etcetera.

NOTE Confidence: 0.77314883375

00:54:11.732 --> 00:54:13.387 There's no punishment for really,

NOTE Confidence: 0.77314883375

00:54:13.390 --> 00:54:14.566 really poor sleep care.

NOTE Confidence: 0.77314883375

00:54:14.566 --> 00:54:16.330 We are not part of any.

NOTE Confidence: 0.77314883375

00:54:16.330 --> 00:54:20.010 Obligatory part of any guideline.

NOTE Confidence: 0.77314883375

00:54:20.010 --> 00:54:22.670 No, you may in the A DSS, yeah,

NOTE Confidence: 0.77314883375

00:54:22.670 --> 00:54:24.350 you may think of sleep apnea.

NOTE Confidence: 0.77314883375

00:54:24.350 --> 00:54:26.438 Sleep apnea, sorry, obviously just says,

NOTE Confidence: 0.77314883375

00:54:26.440 --> 00:54:27.570 yeah, things are really bad.

NOTE Confidence: 0.77314883375

00:54:27.570 --> 00:54:28.668 You could do something about it,

NOTE Confidence: 0.77314883375

00:54:28.670 --> 00:54:31.026 but we are sure it'll help you, et cetera.

NOTE Confidence: 0.77314883375

00:54:31.026 --> 00:54:32.898 So there's no punishment,

NOTE Confidence: 0.77314883375

00:54:32.900 --> 00:54:37.468 and much of US medical care anyway revolves

NOTE Confidence: 0.77314883375

00:54:37.468 --> 00:54:40.648 around avoiding punishment you take.

NOTE Confidence: 0.77314883375

00:54:40.650 --> 00:54:42.970 Readmissions as an example,

NOTE Confidence: 0.77314883375

00:54:42.970 --> 00:54:44.874 a hospitals are doing anything to

NOTE Confidence: 0.77314883375

00:54:44.874 --> 00:54:46.228 avoid readmission penalties, right?

NOTE Confidence: 0.77314883375

00:54:46.228 --> 00:54:47.660 So system gets developed,

NOTE Confidence: 0.77314883375

00:54:47.660 --> 00:54:48.692 what to do, etcetera.

NOTE Confidence: 0.77314883375

00:54:48.692 --> 00:54:49.208 But sleep?

NOTE Confidence: 0.77314883375

00:54:49.210 --> 00:54:50.098 There's no punishment.

NOTE Confidence: 0.78581885

00:54:51.990 --> 00:54:53.478 Advocating for punishment.

NOTE Confidence: 0.78581885

00:54:53.478 --> 00:54:56.198 Robert, thank you. But, but I guess

NOTE Confidence: 0.593792046

00:54:56.210 --> 00:54:57.810 that'll get a feel forward.  
NOTE Confidence: 0.593792046

00:54:57.810 --> 00:54:59.470 It's not a bad thing, you know.  
NOTE Confidence: 0.593792046

00:54:59.470 --> 00:55:00.550 Six months wait time.  
NOTE Confidence: 0.593792046

00:55:00.550 --> 00:55:02.260 Fine, no problem. You know,  
NOTE Confidence: 0.46728175

00:55:02.470 --> 00:55:03.880 alright, alright, alright. So,  
NOTE Confidence: 0.46728175

00:55:03.880 --> 00:55:06.356 so Luke, a couple of comments I think,  
NOTE Confidence: 0.46728175

00:55:06.360 --> 00:55:07.998 just want to make sure we have time for  
NOTE Confidence: 0.46728175

00:55:07.998 --> 00:55:09.889 any other questions that they creep up.  
NOTE Confidence: 0.82541694

00:55:18.960 --> 00:55:21.150 Any comments, Luke? Oh, sorry,  
NOTE Confidence: 0.8046073833333333

00:55:21.540 --> 00:55:22.440 sorry. I thought you were  
NOTE Confidence: 0.8046073833333333

00:55:22.440 --> 00:55:23.160 waiting for other questions.  
NOTE Confidence: 0.8046073833333333

00:55:23.160 --> 00:55:24.480 Yeah, I think the so the,  
NOTE Confidence: 0.8046073833333333

00:55:24.480 --> 00:55:27.336 the the notion of of of punishment  
NOTE Confidence: 0.8046073833333333

00:55:27.336 --> 00:55:29.216 is definitely one that's you know  
NOTE Confidence: 0.8046073833333333

00:55:29.216 --> 00:55:30.800 is is you mentioned it's used  
NOTE Confidence: 0.8046073833333333

00:55:30.856 --> 00:55:32.416 in other other areas such as,

NOTE Confidence: 0.8046073833333333  
00:55:32.420 --> 00:55:35.660 you know readmission penalties.  
NOTE Confidence: 0.8046073833333333  
00:55:35.660 --> 00:55:38.208 It's not necessarily a.  
NOTE Confidence: 0.8046073833333333  
00:55:38.208 --> 00:55:42.826 The the only way to achieve value  
NOTE Confidence: 0.8046073833333333  
00:55:42.826 --> 00:55:45.424 based care you know there's other  
NOTE Confidence: 0.8046073833333333  
00:55:45.424 --> 00:55:47.756 other options as as as we've discussed  
NOTE Confidence: 0.8046073833333333  
00:55:47.756 --> 00:55:49.720 you know you know more capitated  
NOTE Confidence: 0.8046073833333333  
00:55:49.720 --> 00:55:51.860 models where you have a certain set  
NOTE Confidence: 0.8046073833333333  
00:55:51.860 --> 00:55:53.852 of money to take care of a population  
NOTE Confidence: 0.8046073833333333  
00:55:53.852 --> 00:55:55.886 and then the the health system  
NOTE Confidence: 0.8046073833333333  
00:55:55.886 --> 00:55:57.606 itself makes makes decisions around  
NOTE Confidence: 0.8046073833333333  
00:55:57.610 --> 00:55:59.444 how to how to allocate that care  
NOTE Confidence: 0.8046073833333333  
00:55:59.444 --> 00:56:01.718 and and and and prioritize services.  
NOTE Confidence: 0.8046073833333333  
00:56:01.720 --> 00:56:03.589 But you know certainly I think I  
NOTE Confidence: 0.8046073833333333  
00:56:03.589 --> 00:56:05.595 think we can all agree that we  
NOTE Confidence: 0.8046073833333333  
00:56:05.595 --> 00:56:07.305 need to create metrics and and  
NOTE Confidence: 0.8046073833333333

00:56:07.369 --> 00:56:09.259 and and follow metrics that align  
NOTE Confidence: 0.8046073833333333

00:56:09.259 --> 00:56:10.865 with our our values and.  
NOTE Confidence: 0.8046073833333333

00:56:10.865 --> 00:56:13.280 And and and benefits to the patients  
NOTE Confidence: 0.8046073833333333

00:56:13.280 --> 00:56:15.394 and I think those those need to  
NOTE Confidence: 0.8046073833333333

00:56:15.394 --> 00:56:16.624 be thought out very carefully.  
NOTE Confidence: 0.8046073833333333

00:56:16.630 --> 00:56:18.464 I think there's there's been you know  
NOTE Confidence: 0.8046073833333333

00:56:18.464 --> 00:56:20.510 with regard to the readmission penalty,  
NOTE Confidence: 0.8046073833333333

00:56:20.510 --> 00:56:21.656 I think there's there's there's a  
NOTE Confidence: 0.8046073833333333

00:56:21.656 --> 00:56:23.270 lot of debate as to whether or not  
NOTE Confidence: 0.8046073833333333

00:56:23.270 --> 00:56:24.482 that's really the the right metric.  
NOTE Confidence: 0.8046073833333333

00:56:24.490 --> 00:56:27.541 And then so I think if we as we  
NOTE Confidence: 0.8046073833333333

00:56:27.541 --> 00:56:29.401 consider those those options and  
NOTE Confidence: 0.8046073833333333

00:56:29.401 --> 00:56:31.827 Sleep Medicine we need to be really,  
NOTE Confidence: 0.8046073833333333

00:56:31.827 --> 00:56:34.209 really attuned to focusing that there  
NOTE Confidence: 0.8046073833333333

00:56:34.209 --> 00:56:35.980 really patient centered outcomes.  
NOTE Confidence: 0.86377228875

00:56:36.470 --> 00:56:38.638 Yeah. So. So, so look I'm going to

NOTE Confidence: 0.86377228875

00:56:38.638 --> 00:56:41.119 jump on that wagon for just a second.

NOTE Confidence: 0.86377228875

00:56:41.120 --> 00:56:43.520 And just talk a little bit about value.

NOTE Confidence: 0.86377228875

00:56:43.520 --> 00:56:45.388 Yeah, how do we define it?

NOTE Confidence: 0.86377228875

00:56:45.388 --> 00:56:47.166 Because depending on how you define it,

NOTE Confidence: 0.86377228875

00:56:47.170 --> 00:56:49.420 you could actually cause harm

NOTE Confidence: 0.86377228875

00:56:49.420 --> 00:56:52.060 to the system and the individual

NOTE Confidence: 0.86377228875

00:56:52.060 --> 00:56:54.520 humans that we're trying to help.

NOTE Confidence: 0.86377228875

00:56:54.520 --> 00:56:57.016 Versus, you know, creating a benefit.

NOTE Confidence: 0.86377228875

00:56:57.020 --> 00:56:59.244 And so one example I can think of

NOTE Confidence: 0.86377228875

00:56:59.244 --> 00:57:01.799 is if you ask certain practices

NOTE Confidence: 0.86377228875

00:57:01.799 --> 00:57:03.723 to measure certain outcomes,

NOTE Confidence: 0.86377228875

00:57:03.730 --> 00:57:05.287 they may not have the capacity to do that.

NOTE Confidence: 0.86377228875

00:57:05.290 --> 00:57:07.914 So you're going to lose a bunch of

NOTE Confidence: 0.86377228875

00:57:07.914 --> 00:57:09.419 small practitioners or individual

NOTE Confidence: 0.86377228875

00:57:09.419 --> 00:57:11.783 practitioners who are still out there.

NOTE Confidence: 0.86377228875

00:57:11.790 --> 00:57:13.345 And then the healthcare becomes  
NOTE Confidence: 0.86377228875

00:57:13.345 --> 00:57:14.900 a Walmart of healthcare where  
NOTE Confidence: 0.86377228875

00:57:14.952 --> 00:57:16.657 you have large healthcare systems  
NOTE Confidence: 0.86377228875

00:57:16.657 --> 00:57:18.362 who are dominating the landscape.  
NOTE Confidence: 0.86377228875

00:57:18.370 --> 00:57:22.490 And so how do we define the value?  
NOTE Confidence: 0.86377228875

00:57:22.490 --> 00:57:23.546 I'm sure it's a big question,  
NOTE Confidence: 0.86377228875

00:57:23.550 --> 00:57:24.474 last minute but.  
NOTE Confidence: 0.86377228875

00:57:24.474 --> 00:57:26.014 How do you define value?  
NOTE Confidence: 0.86377228875

00:57:26.020 --> 00:57:27.904 What are some of the patients  
NOTE Confidence: 0.86377228875

00:57:27.904 --> 00:57:29.492 that are outcomes that are  
NOTE Confidence: 0.86377228875

00:57:29.492 --> 00:57:31.094 critical and who gets to do  
NOTE Confidence: 0.86576053

00:57:31.110 --> 00:57:33.030 that? Yeah well I think  
NOTE Confidence: 0.89079967625

00:57:33.800 --> 00:57:36.789 you know symptoms are you know really  
NOTE Confidence: 0.89079967625

00:57:36.789 --> 00:57:40.523 where the you know where the the most  
NOTE Confidence: 0.89079967625

00:57:40.523 --> 00:57:42.345 meaningful patient centered outcomes are at  
NOTE Confidence: 0.89079967625

00:57:42.345 --> 00:57:44.618 least with the the the management of OSA.

NOTE Confidence: 0.89079967625

00:57:44.620 --> 00:57:46.748 And so I think there are inherent

NOTE Confidence: 0.89079967625

00:57:46.748 --> 00:57:48.936 limitations in in the measurement of

NOTE Confidence: 0.89079967625

00:57:48.936 --> 00:57:52.148 symptoms but how do we how do we measure

NOTE Confidence: 0.89079967625

00:57:52.148 --> 00:57:55.640 that in a pragmatic and universal way.

NOTE Confidence: 0.89079967625

00:57:55.640 --> 00:57:57.284 I think that's that's really important

NOTE Confidence: 0.89079967625

00:57:57.284 --> 00:57:58.936 because the last thing you want to

NOTE Confidence: 0.89079967625

00:57:58.936 --> 00:58:00.441 do is create a a rule that you'll

NOTE Confidence: 0.89079967625

00:58:00.441 --> 00:58:02.019 only be reimbursed if your parent.

NOTE Confidence: 0.89079967625

00:58:02.020 --> 00:58:04.354 If your patients have good outcomes

NOTE Confidence: 0.89079967625

00:58:04.354 --> 00:58:07.026 in terms of symptoms and then you

NOTE Confidence: 0.89079967625

00:58:07.026 --> 00:58:09.854 only include you know, you, you, you,

NOTE Confidence: 0.89079967625

00:58:09.854 --> 00:58:13.100 you gain the system by, you know,

NOTE Confidence: 0.89079967625

00:58:13.100 --> 00:58:15.650 focusing your your your panel on.

NOTE Confidence: 0.89079967625

00:58:15.650 --> 00:58:17.990 On patients who are more likely

NOTE Confidence: 0.89079967625

00:58:17.990 --> 00:58:20.750 to fill out those those surveys.

NOTE Confidence: 0.89079967625

00:58:20.750 --> 00:58:23.270 So I think we need to you know  
NOTE Confidence: 0.89079967625

00:58:23.270 --> 00:58:24.290 carefully consider that.  
NOTE Confidence: 0.89079967625

00:58:24.290 --> 00:58:28.690 I think in general I would focus on  
NOTE Confidence: 0.89079967625

00:58:28.690 --> 00:58:31.108 throughput for you know meeting patients  
NOTE Confidence: 0.89079967625

00:58:31.108 --> 00:58:33.361 needs and and delivering care that  
NOTE Confidence: 0.89079967625

00:58:33.361 --> 00:58:35.641 we know is is going to be effective.  
NOTE Confidence: 0.89079967625

00:58:35.650 --> 00:58:38.197 You know have you delivered a CPAP to a  
NOTE Confidence: 0.89079967625

00:58:38.197 --> 00:58:40.438 good number of of of patients have  
NOTE Confidence: 0.89079967625

00:58:40.438 --> 00:58:43.312 we are we able to you know support  
NOTE Confidence: 0.89079967625

00:58:43.312 --> 00:58:45.307 their their adherence among patients.  
NOTE Confidence: 0.89079967625

00:58:45.310 --> 00:58:50.254 You appear to be deriving a benefit  
NOTE Confidence: 0.89079967625

00:58:50.254 --> 00:58:53.296 from therapy and I think we,  
NOTE Confidence: 0.89079967625

00:58:53.300 --> 00:58:55.880 we need to really be thoughtful  
NOTE Confidence: 0.89079967625

00:58:55.880 --> 00:58:58.418 and considerate as we, as we,  
NOTE Confidence: 0.89079967625

00:58:58.418 --> 00:59:01.690 as we have debates like these around how  
NOTE Confidence: 0.89079967625

00:59:01.778 --> 00:59:05.258 we define value and how we implement it.

NOTE Confidence: 0.89079967625

00:59:05.260 --> 00:59:05.910 Certainly there's,

NOTE Confidence: 0.89079967625

00:59:05.910 --> 00:59:06.560 there's a,

NOTE Confidence: 0.89079967625

00:59:06.560 --> 00:59:08.849 there's a simple solution and and that

NOTE Confidence: 0.89079967625

00:59:08.849 --> 00:59:11.097 simple solution is going to be likely wrong.

NOTE Confidence: 0.89079967625

00:59:11.100 --> 00:59:13.090 But I think collectively I'm,

NOTE Confidence: 0.89079967625

00:59:13.090 --> 00:59:15.330 I have faith that we'll be able to.

NOTE Confidence: 0.89079967625

00:59:15.330 --> 00:59:17.986 To come up with a system that that

NOTE Confidence: 0.89079967625

00:59:17.986 --> 00:59:19.366 approaches value for our patients

NOTE Confidence: 0.89079967625

00:59:19.366 --> 00:59:21.549 and and I and I would argue that

NOTE Confidence: 0.89079967625

00:59:21.549 --> 00:59:23.454 in that discussion we need to make

NOTE Confidence: 0.89079967625

00:59:23.454 --> 00:59:25.049 sure that patients are present.

NOTE Confidence: 0.911943026666667

00:59:26.870 --> 00:59:27.850 Yeah, absolutely.

NOTE Confidence: 0.911943026666667

00:59:27.850 --> 00:59:29.810 Very good. All right.

NOTE Confidence: 0.911943026666667

00:59:29.810 --> 00:59:31.470 Well, thank you very much,

NOTE Confidence: 0.911943026666667

00:59:31.470 --> 00:59:32.790 Luke, and thank you very much,

NOTE Confidence: 0.911943026666667

00:59:32.790 --> 00:59:34.558 everyone and for making

NOTE Confidence: 0.911943026666667

00:59:34.558 --> 00:59:36.326 this a successful series.

NOTE Confidence: 0.911943026666667

00:59:36.330 --> 00:59:37.896 I think on the initial slide

NOTE Confidence: 0.911943026666667

00:59:37.896 --> 00:59:40.008 before the conference started,

NOTE Confidence: 0.911943026666667

00:59:40.010 --> 00:59:40.850 in the last three years,

NOTE Confidence: 0.911943026666667

00:59:40.850 --> 00:59:44.012 we've had 1800 participants with the

NOTE Confidence: 0.911943026666667

00:59:44.012 --> 00:59:47.050 average of 80 to 90 participants per session.

NOTE Confidence: 0.911943026666667

00:59:47.050 --> 00:59:49.938 So thank you all for making that happen

NOTE Confidence: 0.911943026666667

00:59:49.938 --> 00:59:52.430 and we'll see you guys next week.

NOTE Confidence: 0.911943026666667

00:59:52.430 --> 00:59:53.110 Thank you.