WEBVTT

NOTE duration: "00:41:28.576"

NOTE Confidence: 0.9937474

00:00:01.040 --> 00:00:02.179 And so on.

NOTE Confidence: 0.9883142

00:00:02.720 --> 00:00:03.760 We're very happy to have

NOTE Confidence: 0.9883142

00:00:03.760 --> 00:00:04.720 you here as well as

NOTE Confidence: 0.9883142

00:00:04.720 --> 00:00:05.519 all of us from the

NOTE Confidence: 0.9883142

00:00:05.519 --> 00:00:06.420 United States.

NOTE Confidence: 0.9603051

00:00:07.200 --> 00:00:09.039 I'm I'm Donna Spiegelman. I'm

NOTE Confidence: 0.9603051

00:00:09.039 --> 00:00:10.400 director of our Center on

NOTE Confidence: 0.9603051

00:00:10.400 --> 00:00:11.460 Methods for Implementation

NOTE Confidence: 0.8926254

00:00:12.000 --> 00:00:13.299 and Prevention Science.

NOTE Confidence: 0.72997063

00:00:13.759 --> 00:00:14.980 I'm professor of

NOTE Confidence: 0.48773485

00:00:16.755 --> 00:00:17.494 Public Health.

NOTE Confidence: 0.9643887

00:00:18.114 --> 00:00:19.555 And I'm very pleased to

NOTE Confidence: 0.9643887

00:00:19.555 --> 00:00:21.494 have as our, center's,

NOTE Confidence: 0.9837421

00:00:22.195 --> 00:00:22.695 guest,

NOTE Confidence: 0.95120627

00:00:23.075 --> 00:00:25.235 for our seminar today, doctor

NOTE Confidence: 0.95120627

00:00:25.235 --> 00:00:26.134 Carol Lewis,

NOTE Confidence: 0.99138856

00:00:26.435 --> 00:00:28.275 who is deputy director of

NOTE Confidence: 0.99138856

00:00:28.275 --> 00:00:29.494 the Center for Translational

NOTE Confidence: 0.9814409

00:00:30.330 --> 00:00:32.590 Research and Implementation Science, otherwise

NOTE Confidence: 0.9814409

00:00:32.650 --> 00:00:34.170 known as CITRIS, at the

NOTE Confidence: 0.9814409

00:00:34.170 --> 00:00:35.770 National Heart, Lung, and Blood

NOTE Confidence: 0.9814409

00:00:35.770 --> 00:00:38.250 Institute at the National Institutes

NOTE Confidence: 0.9814409

00:00:38.250 --> 00:00:39.530 of Health of the United

NOTE Confidence: 0.9814409

00:00:39.530 --> 00:00:40.030 States.

NOTE Confidence: 0.7729564

00:00:41.130 --> 00:00:42.330 As CITRIS is,

NOTE Confidence: 0.97756726

00:00:43.465 --> 00:00:44.684 going to be offering

NOTE Confidence: 0.95959884

00:00:45.225 --> 00:00:46.905 a a full day of

NOTE Confidence: 0.95959884

00:00:46.905 --> 00:00:49.245 of, activities at the upcoming

NOTE Confidence: 0.95959884

00:00:49.545 --> 00:00:51.085 dissemination and implementation

NOTE Confidence: 0.9460676

00:00:51.945 --> 00:00:53.864 of science re conference in

NOTE Confidence: 0.9460676

00:00:53.864 --> 00:00:55.625 December, and so we encourage

NOTE Confidence: 0.9460676

00:00:55.625 --> 00:00:56.664 all of you to attend

NOTE Confidence: 0.9460676

00:00:56.664 --> 00:00:57.480 that as well.

NOTE Confidence: 0.9872147

00:00:57.880 --> 00:00:59.399 Doctor Lewis has a PhD

NOTE Confidence: 0.9872147

00:00:59.399 --> 00:01:01.239 in clinical psychology with a

NOTE Confidence: 0.9872147

00:01:01.239 --> 00:01:03.820 research focus on advancing pragmatic

NOTE Confidence: 0.9872147

00:01:03.879 --> 00:01:05.819 and rigorous measures and methods

NOTE Confidence: 0.9872147

00:01:06.119 --> 00:01:08.220 for implementation science and practice.

NOTE Confidence: 0.99348915

00:01:08.760 --> 00:01:10.040 She has pushed the field

NOTE Confidence: 0.99348915

00:01:10.040 --> 00:01:11.720 to focus on measurement quality

NOTE Confidence: 0.99348915

00:01:11.720 --> 00:01:13.645 to improve the field's research

NOTE Confidence: 0.99348915

00:01:13.784 --> 00:01:14.765 rigor and generalizability.

NOTE Confidence: 0.94333375

00:01:15.865 --> 00:01:17.225 Her work has led the

NOTE Confidence: 0.94333375

00:01:17.225 --> 00:01:19.244 field in considering nuances

NOTE Confidence: 0.9914032

00:01:19.784 --> 00:01:21.784 of health systems, organizations, and

NOTE Confidence: 0.9914032

00:01:21.784 --> 00:01:23.005 individual change

NOTE Confidence: 0.9810881

00:01:23.385 --> 00:01:25.565 in how evidence based interventions

NOTE Confidence: 0.9810881

00:01:25.784 --> 00:01:27.005 can be more effectively

NOTE Confidence: 0.9992437

00:01:27.709 --> 00:01:29.010 implemented and sustained

NOTE Confidence: 0.9986758

00:01:29.390 --> 00:01:31.150 to benefit patients and the

NOTE Confidence: 0.9986758

00:01:31.150 --> 00:01:32.050 general public.

NOTE Confidence: 0.9082481

00:01:32.510 --> 00:01:33.970 Doctor Lewis' expertise

NOTE Confidence: 0.7669274

00:01:34.350 --> 00:01:35.010 in implementation

NOTE Confidence: 0.98186666

00:01:35.470 --> 00:01:37.810 science is evidenced through national

NOTE Confidence: 0.99117863

00:01:38.110 --> 00:01:38.930 and international

NOTE Confidence: 0.9517548

00:01:39.390 --> 00:01:39.890 responsibilities.

NOTE Confidence: 0.9312765

00:01:41.155 --> 00:01:42.115 Ally, can you please keep

NOTE Confidence: 0.9312765

00:01:42.115 --> 00:01:43.235 an eye on having everyone

NOTE Confidence: 0.9312765

00:01:43.235 --> 00:01:43.895 be muted?

NOTE Confidence: 0.9980001

00:01:44.435 --> 00:01:45.735 Her national and international

NOTE Confidence: 0.88685876

00:01:46.035 --> 00:01:46.535 responsibilities,

NOTE Confidence: 0.999894

00:01:46.995 --> 00:01:47.495 including

NOTE Confidence: 0.9884926

00:01:47.875 --> 00:01:49.315 serving as president of the

NOTE Confidence: 0.9884926

00:01:49.315 --> 00:01:50.615 Society for Implementation

NOTE Confidence: 0.988928

00:01:51.235 --> 00:01:53.555 Research Collaboration, otherwise known as

NOTE Confidence: 0.988928

00:01:53.555 --> 00:01:55.030 CERC, which is how I

NOTE Confidence: 0.988928

00:01:55.030 --> 00:01:56.150 first met her when she

NOTE Confidence: 0.988928

00:01:56.150 --> 00:01:57.430 invited me to give a

NOTE Confidence: 0.988928

00:01:57.430 --> 00:01:58.490 talk at the SERC

NOTE Confidence: 0.9540887

00:01:58.870 --> 00:02:00.550 meeting maybe five or six

NOTE Confidence: 0.9540887

00:02:00.550 --> 00:02:02.730 years ago. She's also cofounding

NOTE Confidence: 0.9540887

00:02:02.950 --> 00:02:04.390 editor in chief of the

NOTE Confidence: 0.9540887

00:02:04.390 --> 00:02:05.610 journal Implementation

NOTE Confidence: 0.99449605

00:02:05.990 --> 00:02:07.130 Research and Practice.

NOTE Confidence: 0.93799114

00:02:07.784 --> 00:02:09.405 She's a lecturer for implementation

NOTE Confidence: 0.9980839

00:02:09.705 --> 00:02:11.165 science training institutes,

NOTE Confidence: 0.9226738

5

00:02:11.705 --> 00:02:13.785 a scientific adviser domestically and

NOTE Confidence: 0.9226738

00:02:13.785 --> 00:02:16.205 abroad, and coeditor of Practical

NOTE Confidence: 0.9226738

00:02:16.264 --> 00:02:16.764 Implementation

NOTE Confidence: 0.99576527

00:02:17.224 --> 00:02:17.724 Science.

NOTE Confidence: 0.99898255

00:02:18.105 --> 00:02:19.465 And in twenty twenty two,

NOTE Confidence: 0.99898255

00:02:19.465 --> 00:02:20.444 she was recognized

NOTE Confidence: 0.9959639

00:02:20.840 --> 00:02:22.280 by Clarivate as one of

NOTE Confidence: 0.9959639

00:02:22.280 --> 00:02:23.980 the most highly cited social

NOTE Confidence: 0.99708426

00:02:24.280 --> 00:02:25.500 scientists in the world.

NOTE Confidence: 0.9925859

00:02:26.120 --> 00:02:27.480 Doctor Lewis has been a

NOTE Confidence: 0.9925859

00:02:27.480 --> 00:02:29.319 driving force in elevating the

NOTE Confidence: 0.9925859

00:02:29.319 --> 00:02:29.819 importance

NOTE Confidence: 0.99977666

00:02:30.200 --> 00:02:30.939 of implementation

NOTE Confidence: 0.96712947

00:02:31.400 --> 00:02:31.900 mechanisms,

NOTE Confidence: 0.9987967

00:02:32.760 --> 00:02:35.159 emphasizing how studying mechanisms of

NOTE Confidence: 0.9987967

00:02:35.159 --> 00:02:37.815 change may improve tailoring, optimizing,

NOTE Confidence: 0.9987967

00:02:37.955 --> 00:02:38.694 and scaling

NOTE Confidence: 0.9993145

00:02:38.995 --> 00:02:40.215 of effective implementation

NOTE Confidence: 0.9239716

00:02:40.675 --> 00:02:41.175 strategies,

NOTE Confidence: 0.98580843

00:02:41.794 --> 00:02:42.995 a topic that's of great

NOTE Confidence: 0.98580843

00:02:42.995 --> 00:02:44.355 interest to us here in

NOTE Confidence: 0.98580843

00:02:44.355 --> 00:02:46.595 our center, both, in terms

NOTE Confidence: 0.98580843

00:02:46.595 --> 00:02:47.075 of,

NOTE Confidence: 0.9973755

00:02:47.555 --> 00:02:48.614 advancing methodology

NOTE Confidence: 0.99948114

00:02:48.915 --> 00:02:50.535 for mediation analysis

NOTE Confidence: 0.9698975

00:02:51.080 --> 00:02:52.280 and using this sort of

NOTE Confidence: 0.9698975

00:02:52.280 --> 00:02:53.660 information to improve

NOTE Confidence: 0.9995763

00:02:53.960 --> 00:02:54.700 the optimization

NOTE Confidence: 0.9779823

00:02:55.000 --> 00:02:57.240 of implementation studies as they

NOTE Confidence: 0.9779823

00:02:57.240 --> 00:02:58.840 go through the design logo

NOTE Confidence: 0.9779823

00:02:58.840 --> 00:03:00.360 that we're working on. So

NOTE Confidence: 0.9779823

7

00:03:00.360 --> 00:03:02.300 I'm very pleased to turn

NOTE Confidence: 0.9779823

00:03:02.440 --> 00:03:02.600 the,

NOTE Confidence: 0.9509153

00:03:03.255 --> 00:03:05.175 meeting over today to doctor

NOTE Confidence: 0.9509153

00:03:05.175 --> 00:03:06.794 Lewis who's gonna talk about

NOTE Confidence: 0.9509153

00:03:06.935 --> 00:03:09.095 a research agenda to advance

NOTE Confidence: 0.9509153

00:03:09.095 --> 00:03:09.995 the study of the

NOTE Confidence: 0.5611788

00:03:11.014 --> 00:03:11.514 mechanisms.

NOTE Confidence: 0.9528563

00:03:11.975 --> 00:03:14.375 And, well, doctor Lewis is

NOTE Confidence: 0.9528563

00:03:14.375 --> 00:03:15.815 open to people,

NOTE Confidence: 0.95829296

00:03:16.375 --> 00:03:17.995 speaking up if they have,

NOTE Confidence: 0.94824004

00:03:19.030 --> 00:03:20.870 a clarifying question while she's

NOTE Confidence: 0.94824004

00:03:20.870 --> 00:03:21.370 talking,

NOTE Confidence: 0.98833495

00:03:21.669 --> 00:03:22.889 and then you can put

NOTE Confidence: 0.98833495

00:03:22.950 --> 00:03:24.810 sort of more opinion and,

NOTE Confidence: 0.8740845

00:03:26.310 --> 00:03:27.590 questions of a of a

NOTE Confidence: 0.8740845

00:03:27.590 --> 00:03:28.889 sort of far ranging

NOTE Confidence: 0.9841417

00:03:29.669 --> 00:03:30.950 nature in the chat, and

NOTE Confidence: 0.9841417

00:03:30.950 --> 00:03:32.445 then we'll go through them

NOTE Confidence: 0.9841417

00:03:32.445 --> 00:03:33.245 at the end of the

NOTE Confidence: 0.9841417

00:03:33.245 --> 00:03:34.845 talk along with any questions

NOTE Confidence: 0.9841417

00:03:34.845 --> 00:03:36.045 that any of you have

NOTE Confidence: 0.9841417

00:03:36.045 --> 00:03:36.845 at the end of the

NOTE Confidence: 0.9841417

00:03:36.845 --> 00:03:38.525 talk. So with that, I'd

NOTE Confidence: 0.9841417

00:03:38.525 --> 00:03:39.645 like to turn things over

NOTE Confidence: 0.9841417

00:03:39.645 --> 00:03:41.185 to doctor Lewis.

NOTE Confidence: 0.9610727

00:03:42.605 --> 00:03:44.525 Thank you, doctor Spiegelman, for

NOTE Confidence: 0.9610727

00:03:44.525 --> 00:03:45.585 the kind invitation

NOTE Confidence: 0.9496143

00:03:45.965 --> 00:03:46.785 and introduction.

NOTE Confidence: 0.91348076

00:03:48.400 --> 00:03:50.320 And, absolutely, I'm hoping that,

NOTE Confidence: 0.98829955

00:03:50.960 --> 00:03:52.320 I can address any clarifying

NOTE Confidence: 0.98829955

00:03:52.320 --> 00:03:53.440 issues that might arise. It

NOTE Confidence: 0.98829955

00:03:53.440 --> 00:03:54.080 sounds like we have a

NOTE Confidence: 0.98829955

00:03:54.080 --> 00:03:54.900 really diverse,

NOTE Confidence: 0.98929244

00:03:55.440 --> 00:03:56.720 set of backgrounds in our

NOTE Confidence: 0.98929244

00:03:56.720 --> 00:03:58.400 audience today. I see some

NOTE Confidence: 0.98929244

00:03:58.400 --> 00:03:59.760 old and new friends. So

NOTE Confidence: 0.98929244

00:03:59.760 --> 00:04:01.525 thanks for joining us. I'm

NOTE Confidence: 0.98929244

00:04:01.525 --> 00:04:03.045 delighted. This is the first

NOTE Confidence: 0.98929244

00:04:03.045 --> 00:04:03.545 time

NOTE Confidence: 0.99235624

00:04:03.845 --> 00:04:05.845 we'll have, a significant amount

NOTE Confidence: 0.99235624

00:04:05.845 --> 00:04:07.465 of minutes to actually unpack

NOTE Confidence: 0.99235624

00:04:07.605 --> 00:04:08.965 the process that led to

NOTE Confidence: 0.99235624

00:04:08.965 --> 00:04:10.345 and then the results of

NOTE Confidence: 0.99235624

00:04:10.565 --> 00:04:12.325 developing a research agenda to

NOTE Confidence: 0.99235624

00:04:12.325 --> 00:04:13.865 advance the study of implementation

NOTE Confidence: 0.9971918

00:04:14.325 --> 00:04:14.825 mechanisms.

NOTE Confidence: 0.93445665

00:04:15.680 --> 00:04:16.580 And so importantly,

NOTE Confidence: 0.97743267

00:04:17.520 --> 00:04:18.960 I don't have anything to

NOTE Confidence: 0.97743267

00:04:18.960 --> 00:04:20.640 disclose and that the contents

NOTE Confidence: 0.97743267

00:04:20.640 --> 00:04:22.000 of the presentation today are

NOTE Confidence: 0.97743267

00:04:22.000 --> 00:04:23.520 not to be construed as

NOTE Confidence: 0.97743267

00:04:23.520 --> 00:04:25.520 representing the official position of

NOTE Confidence: 0.97743267

00:04:25.520 --> 00:04:26.720 NIH or the Department of

NOTE Confidence: 0.97743267

00:04:26.720 --> 00:04:28.000 Health and Human Services here

NOTE Confidence: 0.97743267

00:04:28.000 --> 00:04:28.740 in the United

NOTE Confidence: 0.9877082

00:04:29.040 --> 00:04:29.540 States.

NOTE Confidence: 0.99957097

00:04:30.625 --> 00:04:31.845 I thought it was important

NOTE Confidence: 0.9995611

00:04:32.305 --> 00:04:33.925 to remind us all

NOTE Confidence: 0.9935302

00:04:34.705 --> 00:04:36.225 why we're here in terms

NOTE Confidence: 0.9935302

00:04:36.225 --> 00:04:38.305 of thinking about implementation science

NOTE Confidence: 0.9935302

00:04:38.305 --> 00:04:38.805 and,

NOTE Confidence: 0.9990109

00:04:39.345 --> 00:04:39.845 implementation

NOTE Confidence: 0.9509967

00:04:40.145 --> 00:04:41.605 mechanisms. And so,

NOTE Confidence: 0.98745054

00:04:43.210 --> 00:04:44.570 folks might recall back in

NOTE Confidence: 0.98745054

00:04:44.570 --> 00:04:45.529 two thousand and one when

NOTE Confidence: 0.98745054

00:04:45.529 --> 00:04:46.889 the institutes of medicine in

NOTE Confidence: 0.98745054

00:04:46.889 --> 00:04:48.250 the United States made this

NOTE Confidence: 0.98745054

00:04:48.250 --> 00:04:50.650 urgent call for fundamental change

NOTE Confidence: 0.98745054

00:04:50.650 --> 00:04:52.250 to close the quality gap.

NOTE Confidence: 0.98745054

00:04:52.250 --> 00:04:52.750 And,

NOTE Confidence: 0.9441461

00:04:53.130 --> 00:04:54.169 the book featured on the

NOTE Confidence: 0.9441461

00:04:54.169 --> 00:04:55.450 screen on the left here

NOTE Confidence: 0.9441461

00:04:55.450 --> 00:04:57.370 recommended a sweeping redesign really

NOTE Confidence: 0.9441461

00:04:57.370 --> 00:04:59.095 of the American health healthcare

NOTE Confidence: 0.9441461

00:04:59.095 --> 00:04:59.595 system

NOTE Confidence: 0.98814106

00:05:00.214 --> 00:05:02.235 and provided four overarching principles

NOTE Confidence: 0.98814106

00:05:02.294 --> 00:05:03.595 for specific direction.

NOTE Confidence: 0.9822648

00:05:03.974 --> 00:05:05.275 One of those four principles

NOTE Confidence: 0.9822648

00:05:05.495 --> 00:05:07.094 were key steps to promote

NOTE Confidence: 0.9822648

00:05:07.094 --> 00:05:08.555 evidence based practice,

NOTE Confidence: 0.96860343

00:05:09.014 --> 00:05:11.675 integration, and strengthening clinical information

NOTE Confidence: 0.96860343

00:05:11.814 --> 00:05:12.314 systems.

NOTE Confidence: 0.994138

00:05:12.770 --> 00:05:13.730 And then in two thousand

NOTE Confidence: 0.994138

00:05:13.730 --> 00:05:15.010 and eight, the Institute of

NOTE Confidence: 0.994138

00:05:15.010 --> 00:05:15.510 Medicine

NOTE Confidence: 0.931373

00:05:15.970 --> 00:05:18.690 put, together this, also this

NOTE Confidence: 0.931373

00:05:18.690 --> 00:05:20.450 publication of To is Human,

NOTE Confidence: 0.931373

00:05:20.450 --> 00:05:21.830 where they broke the silence

NOTE Confidence: 0.931373

00:05:21.890 --> 00:05:23.330 around medical errors and their

NOTE Confidence: 0.931373

00:05:23.330 --> 00:05:25.250 consequence and set forth a

NOTE Confidence: 0.931373

00:05:25.250 --> 00:05:26.790 national agenda to improve,

NOTE Confidence: 0.9495785

00:05:27.264 --> 00:05:28.884 patient safety through the design

NOTE Confidence: 0.9495785

00:05:29.104 --> 00:05:30.544 of a safer health health

NOTE Confidence: 0.9495785

00:05:30.544 --> 00:05:32.384 care system. So these are

NOTE Confidence: 0.9495785

00:05:32.384 --> 00:05:33.525 some of the inspirations

NOTE Confidence: 0.9653259

00:05:33.904 --> 00:05:35.664 for this formal field of

NOTE Confidence: 0.9653259

00:05:35.664 --> 00:05:36.164 implementation

NOTE Confidence: 0.94247854

00:05:36.785 --> 00:05:39.104 science, coming to be. In

NOTE Confidence: 0.94247854

00:05:39.104 --> 00:05:40.950 addition to the publication that

NOTE Confidence: 0.94247854

00:05:40.950 --> 00:05:42.630 and colleagues put out in

NOTE Confidence: 0.94247854

00:05:42.630 --> 00:05:44.070 two thousand and nine where

NOTE Confidence: 0.94247854

00:05:44.070 --> 00:05:44.570 they,

NOTE Confidence: 0.9399925

00:05:45.110 --> 00:05:47.029 feature this leaky pipeline of

NOTE Confidence: 0.9399925

00:05:47.029 --> 00:05:49.210 research that helped to explain

NOTE Confidence: 0.9399925

00:05:49.430 --> 00:05:51.210 a very commonly cited,

NOTE Confidence: 0.94206005

00:05:51.670 --> 00:05:52.970 statistic that,

NOTE Confidence: 0.95325935

00:05:54.585 --> 00:05:56.104 a small percentage of our

NOTE Confidence: 0.95325935

00:05:56.104 --> 00:05:57.245 research takes,

NOTE Confidence: 0.99351263

00:05:57.944 --> 00:05:59.944 up to seventeen years for

NOTE Confidence: 0.99351263

00:05:59.944 --> 00:06:02.125 effective interventions to become routinely

NOTE Confidence: 0.99351263

00:06:02.345 --> 00:06:03.865 available to patients. And you

NOTE Confidence: 0.99351263

00:06:03.865 --> 00:06:05.224 can see some of the

NOTE Confidence: 0.99351263

00:06:05.224 --> 00:06:06.904 reasons for that time lag

NOTE Confidence: 0.99351263

00:06:06.904 --> 00:06:08.104 and then the leak in

NOTE Confidence: 0.99351263

00:06:08.104 --> 00:06:09.520 this pipeline on the image

NOTE Confidence: 0.99351263

00:06:09.520 --> 00:06:10.419 on your screen.

NOTE Confidence: 0.9996479

00:06:11.839 --> 00:06:13.440 I'm delighted to say that

NOTE Confidence: 0.9996479

00:06:13.440 --> 00:06:15.199 we are approaching twenty years

NOTE Confidence: 0.9996479

00:06:15.199 --> 00:06:15.860 of implementation

NOTE Confidence: 0.99271333

00:06:16.240 --> 00:06:18.100 science at the National Institutes

NOTE Confidence: 0.99271333

00:06:18.160 --> 00:06:18.820 of Health.

NOTE Confidence: 0.98509425

00:06:19.520 --> 00:06:20.800 What you see on this

NOTE Confidence: 0.98509425

00:06:20.800 --> 00:06:21.779 slide is,

NOTE Confidence: 0.98439205

00:06:22.305 --> 00:06:23.665 what is fondly referred to

NOTE Confidence: 0.98439205

00:06:23.665 --> 00:06:25.185 as the PAR twenty two

NOTE Confidence: 0.98439205

00:06:25.185 --> 00:06:26.465 one zero five, which,

NOTE Confidence: 0.9984847

00:06:27.105 --> 00:06:28.705 is a funding mechanism for

NOTE Confidence: 0.9984847

00:06:28.705 --> 00:06:29.845 independent investigator

NOTE Confidence: 0.9928795

00:06:30.145 --> 00:06:31.445 initiated applications,

NOTE Confidence: 0.9546247

00:06:32.545 --> 00:06:34.465 both in the United States

NOTE Confidence: 0.9546247

00:06:34.465 --> 00:06:36.065 also with foreign components, but

NOTE Confidence: 0.9546247

00:06:36.065 --> 00:06:37.445 also for foreign investigators.

NOTE Confidence: 0.984008

00:06:37.800 --> 00:06:39.159 And you can see just

NOTE Confidence: 0.984008

00:06:39.159 --> 00:06:40.539 how many of the institutes,

NOTE Confidence: 0.984008

00:06:40.599 --> 00:06:42.300 centers, and offices at NIH

NOTE Confidence: 0.98455244

00:06:42.680 --> 00:06:43.720 have signed on to this

NOTE Confidence: 0.98455244

00:06:43.720 --> 00:06:45.240 program announcement. And later in

NOTE Confidence: 0.98455244

00:06:45.240 --> 00:06:46.199 my talk, you'll see that

NOTE Confidence: 0.98455244

00:06:46.199 --> 00:06:47.879 this week, we've renewed this

NOTE Confidence: 0.98455244

00:06:47.879 --> 00:06:48.539 for another,

NOTE Confidence: 0.99332875

00:06:49.080 --> 00:06:50.440 another term, which I'm really

NOTE Confidence: 0.99332875

00:06:50.440 --> 00:06:51.339 excited about.

NOTE Confidence: 0.9871332

00:06:51.754 --> 00:06:52.154 But,

NOTE Confidence: 0.9818751

00:06:52.794 --> 00:06:53.914 just to make sure we're

NOTE Confidence: 0.9818751

00:06:53.914 --> 00:06:55.534 on the same page, implementation

NOTE Confidence: 0.9675497

00:06:55.914 --> 00:06:57.935 science is the scientific study

NOTE Confidence: 0.9675497

00:06:58.154 --> 00:06:59.375 of the use of strategies

NOTE Confidence: 0.9675497

00:06:59.514 --> 00:07:00.815 to adopt and integrate,

NOTE Confidence: 0.9768763

00:07:02.074 --> 00:07:04.074 evidence based health interventions into

NOTE Confidence: 0.9768763

00:07:04.074 --> 00:07:05.675 clinical and community settings to

NOTE Confidence: 0.9768763

00:07:05.675 --> 00:07:08.410 improve individual outcomes and benefit

NOTE Confidence: 0.9768763

00:07:08.550 --> 00:07:09.530 population health.

NOTE Confidence: 0.9651754

00:07:10.710 --> 00:07:11.990 Now I have permission from

NOTE Confidence: 0.9651754

00:07:11.990 --> 00:07:13.030 the gentleman in the right

NOTE Confidence: 0.9651754

00:07:13.030 --> 00:07:14.410 hand corner of my screen,

NOTE Confidence: 0.9501004

00:07:15.190 --> 00:07:16.790 doctor David Chambers, who's the

NOTE Confidence: 0.9501004

00:07:16.790 --> 00:07:18.310 deputy director for implementation of

NOTE Confidence: 0.9501004

00:07:18.310 --> 00:07:19.669 science at the National Cancer

NOTE Confidence: 0.9501004

00:07:19.669 --> 00:07:20.169 Institute,

NOTE Confidence: 0.9932224

00:07:20.495 --> 00:07:22.035 to share how he characterized

NOTE Confidence: 0.9932224

00:07:22.175 --> 00:07:23.295 our field when he and

NOTE Confidence: 0.9932224

00:07:23.295 --> 00:07:24.655 I did a plenary session

NOTE Confidence: 0.9932224

00:07:24.655 --> 00:07:25.395 at SERC,

NOTE Confidence: 0.9834123

00:07:26.095 --> 00:07:28.015 several years ago now. And

NOTE Confidence: 0.9834123

00:07:28.015 --> 00:07:30.175 so, briefly, in the two

NOTE Confidence: 0.9834123

00:07:30.175 --> 00:07:30.675 thousands,

NOTE Confidence: 0.9961299

00:07:31.135 --> 00:07:32.255 right on the heels of

NOTE Confidence: 0.9961299

00:07:32.255 --> 00:07:34.035 that, funding opportunity,

NOTE Confidence: 0.9972463

00:07:34.650 --> 00:07:36.570 we saw a great deal

NOTE Confidence: 0.9972463

00:07:36.570 --> 00:07:38.490 of emphasis on trying to

NOTE Confidence: 0.9972463

00:07:38.490 --> 00:07:40.750 explain and understand the gap

NOTE Confidence: 0.9972463

00:07:40.890 --> 00:07:42.490 between what we know from

NOTE Confidence: 0.9972463

00:07:42.490 --> 00:07:44.330 scientific evidence and then what

NOTE Confidence: 0.9972463

00:07:44.330 --> 00:07:45.710 we see in practice.

NOTE Confidence: 0.9985415

00:07:46.410 --> 00:07:48.330 And, one of the seminal

NOTE Confidence: 0.9985415

00:07:48.330 --> 00:07:50.335 articles that came out during

NOTE Confidence: 0.9985415

00:07:50.335 --> 00:07:51.715 that decade of implementation

NOTE Confidence: 0.95935863

00:07:52.175 --> 00:07:53.455 science is featured at the

NOTE Confidence: 0.95935863

00:07:53.455 --> 00:07:54.275 bottom here,

NOTE Confidence: 0.95136374

00:07:54.575 --> 00:07:56.095 published by Laura Damschroeder and

NOTE Confidence: 0.95136374

00:07:56.095 --> 00:07:56.595 colleagues.

NOTE Confidence: 0.9832149

00:07:56.975 --> 00:07:58.675 This is referred to oftentimes

NOTE Confidence: 0.9832149

00:07:58.815 --> 00:08:00.514 as the CFIR, the consolidated

NOTE Confidence: 0.9832149

00:08:00.735 --> 00:08:02.835 framework for implementation research.

NOTE Confidence: 0.98267657

00:08:03.169 --> 00:08:04.290 And what they did was

NOTE Confidence: 0.98267657

00:08:04.290 --> 00:08:06.230 they took together these determinant

NOTE Confidence: 0.98267657

00:08:06.290 --> 00:08:08.870 frameworks or frameworks that characterize

NOTE Confidence: 0.98267657

00:08:09.010 --> 00:08:11.270 barriers and facilitators to implementing

NOTE Confidence: 0.98267657

00:08:11.330 --> 00:08:12.630 evidence based interventions,

NOTE Confidence: 0.94353867

00:08:13.570 --> 00:08:15.010 and they organized them into

NOTE Confidence: 0.94353867

00:08:15.010 --> 00:08:16.370 five domains. And I think

NOTE Confidence: 0.94353867

00:08:16.370 --> 00:08:18.095 it was forty seven constructs

NOTE Confidence: 0.94353867

00:08:18.095 --> 00:08:19.775 including sub constructs. And these

NOTE Confidence: 0.94353867

00:08:19.775 --> 00:08:20.755 are things like

NOTE Confidence: 0.9470796

00:08:21.055 --> 00:08:22.995 inner setting, culture, and climate

NOTE Confidence: 0.9470796

00:08:23.135 --> 00:08:24.335 of a health system or

NOTE Confidence: 0.9470796

00:08:24.335 --> 00:08:26.255 even an educational setting if

NOTE Confidence: 0.9470796

00:08:26.255 --> 00:08:27.375 that's the target of an

NOTE Confidence: 0.9470796

00:08:27.375 --> 00:08:29.315 evidence based in, intervention

NOTE Confidence: 0.91719687

00:08:29.855 --> 00:08:30.995 integration effort,

NOTE Confidence: 0.9677748

00:08:31.700 --> 00:08:33.780 to outer setting characteristics such

NOTE Confidence: 0.9677748

00:08:33.780 --> 00:08:35.140 as policies, but also, of

NOTE Confidence: 0.9677748

00:08:35.140 --> 00:08:36.920 course, characteristics of individuals,

NOTE Confidence: 0.98475933

00:08:37.540 --> 00:08:39.160 the process, and the intervention

NOTE Confidence: 0.98475933

00:08:39.300 --> 00:08:40.360 characteristics themselves.

NOTE Confidence: 0.9983538

00:08:41.140 --> 00:08:42.179 So we saw a lot

NOTE Confidence: 0.9983538

00:08:42.179 --> 00:08:43.000 of these publications

NOTE Confidence: 0.9266123

00:08:43.460 --> 00:08:44.360 on characterizing,

NOTE Confidence: 0.9994094

00:08:45.535 --> 00:08:47.535 contextual factors that might help

NOTE Confidence: 0.9994094

00:08:47.535 --> 00:08:49.295 or hinder the integration of

NOTE Confidence: 0.9994094

00:08:49.295 --> 00:08:50.835 an evidence based intervention.

NOTE Confidence: 0.9868173

00:08:51.855 --> 00:08:53.455 Fast forward ten years or

NOTE Confidence: 0.9868173

00:08:53.455 --> 00:08:53.955 so,

NOTE Confidence: 0.9936545

00:08:54.415 --> 00:08:54.915 implementation

NOTE Confidence: 0.9796256

00:08:55.295 --> 00:08:56.975 scientists started grappling with, well,

NOTE Confidence: 0.9796256

00:08:56.975 --> 00:08:58.335 what works? We know what

NOTE Confidence: 0.9796256

00:08:58.335 --> 00:08:59.610 gets in the way. What

NOTE Confidence: 0.9796256

00:08:59.610 --> 00:09:01.070 are the methods or techniques

NOTE Confidence: 0.9796256

00:09:01.130 --> 00:09:02.730 that we need to deploy

NOTE Confidence: 0.9796256

00:09:02.730 --> 00:09:04.730 in order to either resolve

NOTE Confidence: 0.9796256

00:09:04.730 --> 00:09:06.490 those barriers or leverage those

NOTE Confidence: 0.9796256

00:09:06.490 --> 00:09:06.990 facilitators

NOTE Confidence: 0.9922474

00:09:07.370 --> 00:09:09.450 and have success in terms

NOTE Confidence: 0.9922474

00:09:09.450 --> 00:09:10.890 of fidelity to an evidence

NOTE Confidence: 0.9922474

00:09:10.890 --> 00:09:11.870 based intervention?

NOTE Confidence: 0.94685525

00:09:12.565 --> 00:09:14.085 And here, I saw that

NOTE Confidence: 0.94685525

00:09:14.085 --> 00:09:15.045 doctor Powell is with us

NOTE Confidence: 0.94685525

00:09:15.045 --> 00:09:15.765 today. So if you have

NOTE Confidence: 0.94685525

00:09:15.765 --> 00:09:17.765 any questions about implementation strategies,

NOTE Confidence: 0.94685525

00:09:17.765 --> 00:09:18.905 direct them to him.

NOTE Confidence: 0.95746595

00:09:19.285 --> 00:09:21.045 But he was important in

NOTE Confidence: 0.95746595

00:09:21.045 --> 00:09:22.885 leading the charge on a

NOTE Confidence: 0.95746595

00:09:22.885 --> 00:09:25.385 compilation of, strategies for implementing,

NOTE Confidence: 0.93524194

00:09:26.320 --> 00:09:28.480 clinical inner innovations in health

NOTE Confidence: 0.93524194

00:09:28.480 --> 00:09:30.339 and mental health and subsequently

NOTE Confidence: 0.93524194

00:09:30.480 --> 00:09:32.480 in twenty fifteen updated this

NOTE Confidence: 0.93524194

00:09:32.480 --> 00:09:33.920 compilation that folks might be

NOTE Confidence: 0.93524194

00:09:33.920 --> 00:09:35.839 familiar with, and referred to

NOTE Confidence: 0.93524194

00:09:35.839 --> 00:09:37.360 as ERIC, the experts for

NOTE Confidence: 0.93524194

00:09:37.360 --> 00:09:37.860 implementing,

NOTE Confidence: 0.9902203

00:09:39.705 --> 00:09:41.385 interventions recommending change. The mark

NOTE Confidence: 0.9902203

00:09:41.385 --> 00:09:42.345 of a good acronym is

NOTE Confidence: 0.9902203

00:09:42.345 --> 00:09:43.385 you can't remember what it

NOTE Confidence: 0.9902203

00:09:43.385 --> 00:09:45.245 stands for. But so ERIC

NOTE Confidence: 0.9902203

00:09:45.385 --> 00:09:46.425 is on the street, and

NOTE Confidence: 0.9902203

00:09:46.425 --> 00:09:47.385 a lot of people use

NOTE Confidence: 0.9902203

00:09:47.385 --> 00:09:49.465 this as a menu for,

NOTE Confidence: 0.9996177

00:09:49.865 --> 00:09:52.025 selecting strategies to overcome these

NOTE Confidence: 0.9996177

00:09:52.025 --> 00:09:53.325 obstacles for implementation.

NOTE Confidence: 0.95131177

00:09:54.570 --> 00:09:55.770 And now in the twenty

NOTE Confidence: 0.95131177

00:09:55.770 --> 00:09:57.450 twenties, we're starting to see

NOTE Confidence: 0.95131177

00:09:57.450 --> 00:09:58.490 more of and and we

NOTE Confidence: 0.95131177

00:09:58.490 --> 00:10:00.490 hope to inspire you today

NOTE Confidence: 0.95131177

00:10:00.490 --> 00:10:01.630 and in other spaces

NOTE Confidence: 0.99044204

00:10:02.090 --> 00:10:02.670 to be

NOTE Confidence: 0.999565

00:10:03.130 --> 00:10:04.350 critically evaluating

NOTE Confidence: 0.97313726

00:10:04.809 --> 00:10:07.150 why, how are these implementation

NOTE Confidence: 0.94095933

00:10:07.530 --> 00:10:09.309 strategies working or not.

NOTE Confidence: 0.9956163

00:10:10.245 --> 00:10:10.745 And

NOTE Confidence: 0.9810712

00:10:12.005 --> 00:10:13.365 answering this question of what

NOTE Confidence: 0.9810712

00:10:13.365 --> 00:10:15.045 works best for whom, when,

NOTE Confidence: 0.9810712

00:10:15.045 --> 00:10:16.805 and under what conditions. And

NOTE Confidence: 0.9810712

00:10:16.805 --> 00:10:17.684 I'll talk a little bit

NOTE Confidence: 0.9810712

00:10:17.684 --> 00:10:19.385 more about the systematic review,

NOTE Confidence: 0.9958264

00:10:19.845 --> 00:10:20.745 that we led

NOTE Confidence: 0.9465776

00:10:21.125 --> 00:10:22.245 a few years ago in

NOTE Confidence: 0.9465776

00:10:22.245 --> 00:10:23.065 just a moment.

NOTE Confidence: 0.99549395

00:10:24.110 --> 00:10:25.150 But before we get into

NOTE Confidence: 0.99549395

00:10:25.150 --> 00:10:26.910 that, I thought maybe another

NOTE Confidence: 0.99549395

00:10:26.910 --> 00:10:28.030 way to break this down.

NOTE Confidence: 0.99549395

00:10:28.030 --> 00:10:29.150 What are the factors that

NOTE Confidence: 0.99549395

00:10:29.150 --> 00:10:30.350 we've been exploring? What are

NOTE Confidence: 0.99549395

00:10:30.350 --> 00:10:31.630 we really interested in? What

NOTE Confidence: 0.99549395

00:10:31.630 --> 00:10:32.690 should we be studying?

NOTE Confidence: 0.9951777

00:10:33.310 --> 00:10:34.430 So in this table on

NOTE Confidence: 0.9951777

00:10:34.430 --> 00:10:35.950 the right hand side, we're

NOTE Confidence: 0.9951777

00:10:35.950 --> 00:10:37.964 featuring implementation outcomes. This is

NOTE Confidence: 0.9951777

00:10:37.964 --> 00:10:39.005 not the host of them.

NOTE Confidence: 0.9951777

00:10:39.005 --> 00:10:40.225 These are just some examples.

NOTE Confidence: 0.994534

00:10:40.684 --> 00:10:41.565 There are at least eight

NOTE Confidence: 0.994534

00:10:41.565 --> 00:10:42.684 of them that we seek

NOTE Confidence: 0.994534

00:10:42.684 --> 00:10:44.605 to achieve, but we're here

NOTE Confidence: 0.994534

00:10:44.605 --> 00:10:45.964 because we want adoption of

NOTE Confidence: 0.994534

00:10:45.964 --> 00:10:47.825 evidence and evidence based practices.

NOTE Confidence: 0.994534

00:10:47.885 --> 00:10:48.765 We want to see that

NOTE Confidence: 0.994534

00:10:48.765 --> 00:10:50.304 they're acceptable, appropriate,

NOTE Confidence: 0.9859277

00:10:51.085 --> 00:10:52.445 feasible to be done in

NOTE Confidence: 0.9859277

00:10:52.445 --> 00:10:53.025 the intended

NOTE Confidence: 0.85844606

00:10:53.779 --> 00:10:55.000 and that they're sustainable,

NOTE Confidence: 0.992918

00:10:55.699 --> 00:10:56.839 and that they're spread.

NOTE Confidence: 0.99194133

00:10:57.300 --> 00:10:58.339 So this is this is

NOTE Confidence: 0.99194133

00:10:58.339 --> 00:11:00.439 why we're here, implementation outcomes.

NOTE Confidence: 0.97156453

00:11:00.819 --> 00:11:02.420 But then, as you saw,

NOTE Confidence: 0.97156453

00:11:02.420 --> 00:11:03.779 that first decade, we really

NOTE Confidence: 0.97156453

00:11:03.779 --> 00:11:04.980 started to unpack what are

NOTE Confidence: 0.97156453

00:11:04.980 --> 00:11:06.255 the determinants, what are those

NOTE Confidence: 0.97156453

00:11:06.255 --> 00:11:07.795 barriers, what are those facilitators.

NOTE Confidence: 0.97156453

00:11:07.934 --> 00:11:09.215 And, again, these are just

NOTE Confidence: 0.97156453

00:11:09.215 --> 00:11:10.815 a a handful of examples,

NOTE Confidence: 0.97156453

00:11:10.815 --> 00:11:12.355 and they range from the

NOTE Confidence: 0.97156453

00:11:12.575 --> 00:11:13.075 intrapersonal,

NOTE Confidence: 0.99640113

00:11:13.535 --> 00:11:15.555 so in the individual provider,

NOTE Confidence: 0.99640113

00:11:15.615 --> 00:11:17.215 for example, all the way

NOTE Confidence: 0.99640113

00:11:17.215 --> 00:11:18.335 to system level,

NOTE Confidence: 0.99875003

00:11:18.815 --> 00:11:19.875 types of determinants.

NOTE Confidence: 0.9997702

00:11:21.570 --> 00:11:22.230 And then

NOTE Confidence: 0.9959001

00:11:22.610 --> 00:11:24.470 what are the implementation strategies?

NOTE Confidence: 0.9959001

00:11:24.530 --> 00:11:26.050 What are the activities we

NOTE Confidence: 0.9959001

00:11:26.050 --> 00:11:27.090 should be doing? What are

NOTE Confidence: 0.9959001

00:11:27.090 --> 00:11:27.570 the,

NOTE Confidence: 0.9911061

00:11:28.050 --> 00:11:29.170 methods that we should be

NOTE Confidence: 0.9911061

00:11:29.170 --> 00:11:30.530 deploying in order order to

NOTE Confidence: 0.9911061

00:11:30.530 --> 00:11:31.030 overcome

NOTE Confidence: 0.99953187

00:11:31.890 --> 00:11:32.630 those determinants

NOTE Confidence: 0.98776376

00:11:32.930 --> 00:11:33.590 of practice?

NOTE Confidence: 0.9884823

00:11:34.045 --> 00:11:35.245 And then what the focus

NOTE Confidence: 0.9884823

00:11:35.245 --> 00:11:36.525 of today is is on

NOTE Confidence: 0.9884823

00:11:36.525 --> 00:11:37.265 the mechanisms.

NOTE Confidence: 0.99142015

00:11:37.804 --> 00:11:38.945 How are those strategies,

NOTE Confidence: 0.9582264

00:11:40.045 --> 00:11:41.965 working through what process to

NOTE Confidence: 0.9582264

00:11:41.965 --> 00:11:43.725 overcome those determinants to help

NOTE Confidence: 0.9582264

00:11:43.725 --> 00:11:45.025 us achieve those outcomes?

NOTE Confidence: 0.95660126

00:11:46.140 --> 00:11:47.260 And I have permission from

NOTE Confidence: 0.95660126

00:11:47.260 --> 00:11:48.940 this gentleman here featured on

NOTE Confidence: 0.95660126

00:11:48.940 --> 00:11:50.620 your screen, doctor Alvin Gang,

NOTE Confidence: 0.95660126

00:11:50.940 --> 00:11:51.440 to

NOTE Confidence: 0.99211

00:11:51.820 --> 00:11:52.320 retell,

NOTE Confidence: 0.98791546

00:11:53.100 --> 00:11:53.580 a re

NOTE Confidence: 0.73617494

00:11:54.700 --> 00:11:55.440 a a a retelling

NOTE Confidence: 0.9678331

00:11:56.220 --> 00:11:57.500 of the story of vitamin

NOTE Confidence: 0.9678331

00:11:57.500 --> 00:11:58.780 c and how it surfaced

NOTE Confidence: 0.9678331

00:11:58.780 --> 00:12:00.080 as a cure for scurvy.

NOTE Confidence: 0.9678331

00:12:00.140 --> 00:12:00.460 So,

NOTE Confidence: 0.9820157

00:12:01.005 --> 00:12:02.445 thanks to Elvin. When I

NOTE Confidence: 0.9820157

00:12:02.445 --> 00:12:03.425 heard him describe,

NOTE Confidence: 0.99318475

00:12:04.285 --> 00:12:05.265 in this way,

NOTE Confidence: 0.9946979

00:12:06.125 --> 00:12:07.885 the the retelling of the

NOTE Confidence: 0.9946979

00:12:07.885 --> 00:12:09.184 vitamin c discoveries,

NOTE Confidence: 0.9779005

00:12:09.725 --> 00:12:11.745 I I, was so compelled

NOTE Confidence: 0.9601898

00:12:12.125 --> 00:12:13.165 that it helped us,

NOTE Confidence: 0.8985741

00:12:14.125 --> 00:12:15.745 motivate the study for mechanisms

NOTE Confidence: 0.8985741

00:12:15.804 --> 00:12:16.740 to advance implementation science.

NOTE Confidence: 0.86706907

00:12:17.700 --> 00:12:18.991 Implementation science, so I wanted

NOTE Confidence: 0.86706907

00:12:18.991 --> 00:12:19.770 to share it briefly with

NOTE Confidence: 0.86706907

00:12:19.770 --> 00:12:20.526 you. So as you all

NOTE Confidence: 0.86706907

00:12:20.526 --> 00:12:21.640 know, scurvy was this devastating,

NOTE Confidence: 0.97121

00:12:22.420 --> 00:12:24.020 disease that killed perhaps two

NOTE Confidence: 0.97121

00:12:24.020 --> 00:12:25.700 million sailors before the twentieth

NOTE Confidence: 0.97121

00:12:25.700 --> 00:12:27.459 century, often claiming half of

NOTE Confidence: 0.97121

00:12:27.459 --> 00:12:28.120 a crew.

NOTE Confidence: 0.97664547

00:12:28.820 --> 00:12:29.779 And as we now know,

NOTE Confidence: 0.97664547

00:12:29.779 --> 00:12:31.140 vitamin c contributes to the

NOTE Confidence: 0.97664547

00:12:31.140 --> 00:12:33.315 formation of the collagenous tissues,

NOTE Confidence: 0.97664547

00:12:33.315 --> 00:12:34.434 a material that keeps your

NOTE Confidence: 0.97664547

00:12:34.434 --> 00:12:35.875 blood vessels, joints, and gums

NOTE Confidence: 0.97664547

00:12:35.875 --> 00:12:37.714 intact, and its absence can

NOTE Confidence: 0.97664547

00:12:37.714 --> 00:12:39.795 be fatal. So in seventeen

NOTE Confidence: 0.97664547

00:12:39.795 --> 00:12:41.635 forty seven, James Linda Surgeon

NOTE Confidence: 0.97664547

00:12:41.635 --> 00:12:42.995 tried an experiment that then

NOTE Confidence: 0.97664547

00:12:42.995 --> 00:12:44.295 made history. Right?

NOTE Confidence: 0.9807701

00:12:46.089 --> 00:12:47.230 So his experiment,

NOTE Confidence: 0.99497473

00:12:47.610 --> 00:12:48.890 went something like this. He

NOTE Confidence: 0.99497473

00:12:48.890 --> 00:12:49.710 got twelve,

NOTE Confidence: 0.96143013

00:12:50.170 --> 00:12:51.690 sailors sick with scurvy and

NOTE Confidence: 0.96143013

00:12:51.690 --> 00:12:53.130 put them into six groups,

NOTE Confidence: 0.96143013

00:12:53.130 --> 00:12:54.250 two in each, and gave

NOTE Confidence: 0.96143013

00:12:54.250 --> 00:12:55.850 each group the candidate treatments

NOTE Confidence: 0.96143013

00:12:55.850 --> 00:12:57.290 that you see here. The

NOTE Confidence: 0.96143013

00:12:57.290 --> 00:12:58.730 two that got citrus recovered

NOTE Confidence: 0.96143013

00:12:58.730 --> 00:13:00.510 dramatically while the others languished.

NOTE Confidence: 0.96143013

00:13:00.804 --> 00:13:02.405 And this final finding is

NOTE Confidence: 0.96143013

00:13:02.405 --> 00:13:03.684 hailed as an early, if

NOTE Confidence: 0.96143013

00:13:03.684 --> 00:13:05.445 not the earliest successful clinical

NOTE Confidence: 0.96143013

00:13:05.445 --> 00:13:06.804 trial, and Lind has gone

NOTE Confidence: 0.96143013

00:13:06.804 --> 00:13:08.005 down in history as a

NOTE Confidence: 0.96143013

00:13:08.005 --> 00:13:09.065 scientific hero.

NOTE Confidence: 0.97162944

00:13:09.925 --> 00:13:11.285 However, the results were not

NOTE Confidence: 0.97162944

00:13:11.285 --> 00:13:13.230 successfully or consistently taken up

NOTE Confidence: 0.97162944

00:13:13.309 --> 00:13:14.429 for fifty to a hundred

NOTE Confidence: 0.97162944

00:13:14.429 --> 00:13:16.029 years, and admissions for scurvy

NOTE Confidence: 0.97162944

00:13:16.029 --> 00:13:17.309 at this typical hospital in

NOTE Confidence: 0.97162944

00:13:17.309 --> 00:13:18.750 Britain continued to be high

NOTE Confidence: 0.97162944

00:13:18.750 --> 00:13:19.790 for at least one hundred

NOTE Confidence: 0.97162944

00:13:19.790 --> 00:13:21.410 years after Lynn's experiment.

NOTE Confidence: 0.9728624

00:13:21.870 --> 00:13:22.829 So here we have a

NOTE Confidence: 0.9728624

00:13:22.829 --> 00:13:24.350 fabulous example of what we

NOTE Confidence: 0.9728624

00:13:24.350 --> 00:13:25.389 now refer to as this

NOTE Confidence: 0.9728624

00:13:25.389 --> 00:13:26.774 no do gap. So it's

NOTE Confidence: 0.9728624

00:13:26.774 --> 00:13:28.214 clear that the citrus theory

NOTE Confidence: 0.9728624

00:13:28.214 --> 00:13:29.175 had far less of an

NOTE Confidence: 0.9728624

00:13:29.175 --> 00:13:30.054 effect than it could have,

NOTE Confidence: 0.9728624

00:13:30.054 --> 00:13:31.274 and this is where implementation

NOTE Confidence: 0.99965686

00:13:31.575 --> 00:13:32.934 science can really come into

NOTE Confidence: 0.99965686

00:13:32.934 --> 00:13:33.434 play.

NOTE Confidence: 0.9944177

00:13:33.894 --> 00:13:35.095 And as with everything that

NOTE Confidence: 0.9944177

00:13:35.095 --> 00:13:36.475 we undertake in implementation

NOTE Confidence: 0.9797734

00:13:36.855 --> 00:13:38.375 science, the truth is far

NOTE Confidence: 0.9797734

00:13:38.375 --> 00:13:40.480 more complicated. So even though

NOTE Confidence: 0.9797734

00:13:40.480 --> 00:13:41.760 Lynn found that citrus led

NOTE Confidence: 0.9797734

00:13:41.760 --> 00:13:42.880 to recovery, no one knew

NOTE Confidence: 0.9797734

00:13:42.880 --> 00:13:43.620 what the mechanism,

NOTE Confidence: 0.95923805

00:13:44.400 --> 00:13:46.340 knew the mechanism, vitamin c.

NOTE Confidence: 0.9708279

00:13:46.880 --> 00:13:48.080 It's tragic in a way.

NOTE Confidence: 0.9556666

00:13:48.960 --> 00:13:49.920 As you can read, Lynn

NOTE Confidence: 0.9556666

00:13:49.920 --> 00:13:52.000 can, himself confesses in his

NOTE Confidence: 0.9556666

00:13:52.000 --> 00:13:53.280 final writings on the topic.

NOTE Confidence: 0.9556666

00:13:53.280 --> 00:13:54.640 He doesn't understand what he

NOTE Confidence: 0.9556666

00:13:54.640 --> 00:13:56.455 observed. And so some ships

NOTE Confidence: 0.9556666

00:13:56.455 --> 00:13:58.075 boiled lemon juice to concentrate

NOTE Confidence: 0.9556666

00:13:58.135 --> 00:13:59.815 it, but that inactivated vitamin

NOTE Confidence: 0.9556666

00:13:59.815 --> 00:14:01.415 c and sailors got scurvy

NOTE Confidence: 0.9556666

00:14:01.415 --> 00:14:01.915 and,

NOTE Confidence: 0.989894

00:14:02.455 --> 00:14:03.735 casting doubt on the theory.

NOTE Confidence: 0.989894

00:14:03.735 --> 00:14:05.255 And so in Elvin's words,

NOTE Confidence: 0.989894

00:14:05.255 --> 00:14:06.455 this is not the story

NOTE Confidence: 0.989894

00:14:06.455 --> 00:14:07.655 of a man with evidence,

NOTE Confidence: 0.989894

00:14:07.655 --> 00:14:09.029 but the failure failure of

NOTE Confidence: 0.989894

00:14:09.029 --> 00:14:10.570 a system to use it.

NOTE Confidence: 0.98309815

00:14:11.029 --> 00:14:12.070 And it's the story of

NOTE Confidence: 0.98309815

00:14:12.070 --> 00:14:13.510 a society that did not

NOTE Confidence: 0.98309815

00:14:13.510 --> 00:14:15.110 understand the mechanism of effect

NOTE Confidence: 0.98309815

00:14:15.110 --> 00:14:16.550 and therefore did not understand

NOTE Confidence: 0.98309815

00:14:16.550 --> 00:14:17.750 how to to use the

NOTE Confidence: 0.98309815

00:14:17.750 --> 00:14:18.890 intervention. So

NOTE Confidence: 0.994267

00:14:19.269 --> 00:14:20.310 if you're if you're thinking

NOTE Confidence: 0.994267

00:14:20.310 --> 00:14:21.130 about mechanisms,

NOTE Confidence: 0.98134005

00:14:21.670 --> 00:14:22.870 you won't be making these

NOTE Confidence: 0.98134005

00:14:22.870 --> 00:14:23.925 mistakes, and that's,

NOTE Confidence: 0.8966192

00:14:24.565 --> 00:14:25.285 hopefully what,

NOTE Confidence: 0.9962449

00:14:26.325 --> 00:14:27.685 will inspire more and more

NOTE Confidence: 0.9962449

00:14:27.685 --> 00:14:29.365 study of mechanisms in the

NOTE Confidence: 0.9962449

00:14:29.365 --> 00:14:31.625 implementation science space as we

NOTE Confidence: 0.9962449

00:14:31.685 --> 00:14:33.385 move forward in the field.

NOTE Confidence: 0.99382263

00:14:34.005 --> 00:14:35.765 Other things that inspire us

NOTE Confidence: 0.99382263

00:14:35.765 --> 00:14:37.205 to focus on mechanisms are

NOTE Confidence: 0.99382263

00:14:37.205 --> 00:14:38.910 these quotes that I hear

NOTE Confidence: 0.99382263

00:14:38.910 --> 00:14:40.030 and read about all the

NOTE Confidence: 0.99382263

00:14:40.030 --> 00:14:42.110 time. This strategy works here,

NOTE Confidence: 0.99382263

00:14:42.110 --> 00:14:43.090 but not here.

NOTE Confidence: 0.9971757

00:14:43.790 --> 00:14:44.850 There's no implementation

NOTE Confidence: 0.89522314

00:14:45.230 --> 00:14:46.210 without adaptation.

NOTE Confidence: 0.9915085

00:14:46.910 --> 00:14:48.190 And I think it's hard

NOTE Confidence: 0.9915085

00:14:48.190 --> 00:14:48.690 to,

NOTE Confidence: 0.99875325

00:14:49.310 --> 00:14:50.370 face these realities

NOTE Confidence: 0.99934834

00:14:50.670 --> 00:14:52.845 without centering mechanisms in the

NOTE Confidence: 0.99934834

00:14:52.845 --> 00:14:53.345 conversation.

NOTE Confidence: 0.964308

00:14:54.365 --> 00:14:56.125 So our our group was

NOTE Confidence: 0.964308

00:14:56.125 --> 00:14:56.625 so,

NOTE Confidence: 0.99943656

00:14:57.324 --> 00:14:57.824 motivated

NOTE Confidence: 0.7569612

00:14:58.204 --> 00:14:58.605 to,

NOTE Confidence: 0.9807699

00:14:59.725 --> 00:15:01.425 understand mechanisms of implementation

NOTE Confidence: 0.95962095

00:15:01.805 --> 00:15:03.584 strategies. We undertook the systematic

NOTE Confidence: 0.95962095

00:15:03.644 --> 00:15:04.144 review

NOTE Confidence: 0.9905752

00:15:04.620 --> 00:15:06.560 of empirical studies examining,

NOTE Confidence: 0.99932253

00:15:07.180 --> 00:15:07.920 just that.

NOTE Confidence: 0.96790934

00:15:08.220 --> 00:15:09.660 Now before I I share

NOTE Confidence: 0.96790934

00:15:09.660 --> 00:15:10.940 the methods and results of

NOTE Confidence: 0.96790934

00:15:10.940 --> 00:15:12.860 that review, I wanna ground

NOTE Confidence: 0.96790934

00:15:12.860 --> 00:15:13.820 us in in at least

NOTE Confidence: 0.96790934

00:15:13.820 --> 00:15:15.520 how our team was defining

NOTE Confidence: 0.9430255

00:15:16.380 --> 00:15:18.540 mechanisms for the systematic review

NOTE Confidence: 0.9430255

00:15:18.540 --> 00:15:19.245 and the other

NOTE Confidence: 0.981598

00:15:19.964 --> 00:15:21.505 aspects of the talk today.

NOTE Confidence: 0.981598

00:15:21.725 --> 00:15:23.245 So the reasons why change

NOTE Confidence: 0.981598

00:15:23.245 --> 00:15:24.845 occurred or how change came

NOTE Confidence: 0.981598

00:15:24.845 --> 00:15:26.285 about, so it being a

NOTE Confidence: 0.981598

00:15:26.285 --> 00:15:26.785 process,

NOTE Confidence: 0.94903785

00:15:27.725 --> 00:15:28.685 they can be,

NOTE Confidence: 0.9960826

00:15:29.885 --> 00:15:31.425 mechanisms can be

NOTE Confidence: 0.9995177

00:15:32.170 --> 00:15:34.110 found through examining mediators.

NOTE Confidence: 0.9744754

00:15:34.490 --> 00:15:36.750 Mediators are not necessarily inherently

NOTE Confidence: 0.9744754

00:15:36.890 --> 00:15:37.390 mechanisms,

NOTE Confidence: 0.9950343

00:15:37.770 --> 00:15:38.810 and, of course, it all

NOTE Confidence: 0.9950343

00:15:38.810 --> 00:15:40.570 depends on your definition and

NOTE Confidence: 0.9950343

00:15:40.570 --> 00:15:41.690 design and things of that

NOTE Confidence: 0.9950343

00:15:41.690 --> 00:15:42.190 nature.

NOTE Confidence: 0.9897788

00:15:42.810 --> 00:15:44.170 But you can read more

NOTE Confidence: 0.9897788

00:15:44.170 --> 00:15:44.670 about,

NOTE Confidence: 0.99306583

00:15:45.290 --> 00:15:45.790 the

NOTE Confidence: 0.9848582

00:15:46.465 --> 00:15:48.385 definitions of of mechanisms in

NOTE Confidence: 0.9848582

00:15:48.385 --> 00:15:49.425 the paper I've put on

NOTE Confidence: 0.9848582

00:15:49.425 --> 00:15:50.085 the screen.

NOTE Confidence: 0.984524

00:15:50.465 --> 00:15:51.685 I thought another way,

NOTE Confidence: 0.9936957

00:15:52.305 --> 00:15:53.745 based on what Donna was

NOTE Confidence: 0.9936957

00:15:53.745 --> 00:15:55.265 sharing with me about her

NOTE Confidence: 0.9936957

00:15:55.265 --> 00:15:56.565 group of just,

NOTE Confidence: 0.9995357

00:15:57.585 --> 00:15:58.085 depicting

NOTE Confidence: 0.9929484

00:15:58.625 --> 00:16:00.145 mechanisms in the causal chain

NOTE Confidence: 0.9929484

00:16:00.145 --> 00:16:01.290 was to put up this

NOTE Confidence: 0.9943233

00:16:01.930 --> 00:16:04.250 schematic of causal pathway diagramming,

NOTE Confidence: 0.9943233

00:16:04.250 --> 00:16:05.370 and it features all of

NOTE Confidence: 0.9943233

00:16:05.370 --> 00:16:06.910 the terms that I've mentioned

NOTE Confidence: 0.9939654

00:16:07.290 --> 00:16:09.130 to you already. So on

NOTE Confidence: 0.9939654

00:16:09.130 --> 00:16:10.589 the far right hand side,

NOTE Confidence: 0.9939654

00:16:10.730 --> 00:16:12.649 we're striving for some distal

NOTE Confidence: 0.9939654

00:16:12.649 --> 00:16:13.930 implementation outcome,

NOTE Confidence: 0.9906731

00:16:15.014 --> 00:16:16.295 when we bring a strategy

NOTE Confidence: 0.9906731

00:16:16.295 --> 00:16:17.194 into the field.

NOTE Confidence: 0.99920785

00:16:17.495 --> 00:16:18.694 And if we are to

NOTE Confidence: 0.99920785

00:16:18.694 --> 00:16:20.875 center the mechanism of action,

NOTE Confidence: 0.9952094

00:16:21.735 --> 00:16:23.274 we might be able to

NOTE Confidence: 0.9952094

00:16:23.495 --> 00:16:23.975 more,

NOTE Confidence: 0.95222574

00:16:24.454 --> 00:16:27.175 expertly, strongly, swiftly overcome and

NOTE Confidence: 0.95222574

00:16:27.175 --> 00:16:29.279 determinant to get to some

NOTE Confidence: 0.95222574

00:16:29.279 --> 00:16:29.779 proximal

NOTE Confidence: 0.9592088

00:16:30.560 --> 00:16:31.920 signal of success and ultimately

NOTE Confidence: 0.9592088

00:16:31.920 --> 00:16:34.000 to that implementation outcome. Of

NOTE Confidence: 0.9592088

00:16:34.000 --> 00:16:34.800 course, we need to be

NOTE Confidence: 0.9592088

00:16:34.800 --> 00:16:36.560 thinking about moderators, what is

NOTE Confidence: 0.9592088

00:16:36.560 --> 00:16:37.940 amplifying or dampening

NOTE Confidence: 0.9800306

00:16:38.320 --> 00:16:39.620 the impact of a strategy,

NOTE Confidence: 0.9800306

00:16:39.680 --> 00:16:41.200 and to make sure that

NOTE Confidence: 0.9800306

00:16:41.200 --> 00:16:43.060 there are the necessary preconditions

NOTE Confidence: 0.9800306

00:16:43.360 --> 00:16:45.055 in place in order to

NOTE Confidence: 0.9800306

00:16:45.055 --> 00:16:46.575 activate a mechanism. So just

NOTE Confidence: 0.9800306

00:16:46.575 --> 00:16:48.175 another way to think about

NOTE Confidence: 0.9800306

00:16:48.175 --> 00:16:48.675 and,

NOTE Confidence: 0.9458177

00:16:49.135 --> 00:16:50.815 stand up an evaluation of

NOTE Confidence: 0.9458177

00:16:50.815 --> 00:16:52.755 implementation strategy mechanisms.

NOTE Confidence: 0.9944479

00:16:54.255 --> 00:16:56.015 So for the systematic review

NOTE Confidence: 0.9944479

00:16:56.015 --> 00:16:57.060 that was published in twenty

NOTE Confidence: 0.9944479

00:16:57.060 --> 00:16:58.980 twenty, we identified thirty nine

NOTE Confidence: 0.9944479

00:16:58.980 --> 00:17:00.100 studies, and that was as

NOTE Confidence: 0.9944479

00:17:00.100 --> 00:17:01.460 of twenty eighteen. That's when

NOTE Confidence: 0.9944479

00:17:01.460 --> 00:17:03.720 our systematic review analysis ended.

NOTE Confidence: 0.98973554

00:17:04.420 --> 00:17:05.300 Fifty four of those were

NOTE Confidence: 0.98973554

00:17:05.300 --> 00:17:06.740 conducted in the US, so

NOTE Confidence: 0.98973554

00:17:06.740 --> 00:17:07.780 a lot of global work

NOTE Confidence: 0.98973554

00:17:07.780 --> 00:17:09.240 in this space to,

NOTE Confidence: 0.9996538

00:17:09.619 --> 00:17:10.520 study implementation

NOTE Confidence: 0.999727

00:17:10.820 --> 00:17:11.320 mechanisms.

NOTE Confidence: 0.98960483

00:17:11.984 --> 00:17:13.905 Interestingly, behavioral health settings were

NOTE Confidence: 0.98960483

00:17:13.905 --> 00:17:14.885 the most common,

NOTE Confidence: 0.88520175

00:17:15.265 --> 00:17:16.945 featured in this in this

NOTE Confidence: 0.88520175

00:17:16.945 --> 00:17:17.445 review,

NOTE Confidence: 0.99694973

00:17:17.744 --> 00:17:19.425 followed by hospitals and health

NOTE Confidence: 0.99694973

00:17:19.425 --> 00:17:19.925 systems.

NOTE Confidence: 0.9829946

00:17:20.385 --> 00:17:21.505 Seventy four percent of the

NOTE Confidence: 0.9829946

00:17:21.505 --> 00:17:23.184 empirical studies we included were

NOTE Confidence: 0.9829946

00:17:23.184 --> 00:17:25.105 quantitative in nature. There were

NOTE Confidence: 0.9829946

00:17:25.105 --> 00:17:26.385 a handful of mixed methods

NOTE Confidence: 0.9829946

00:17:26.385 --> 00:17:27.799 and qualitative only, of of

NOTE Confidence: 0.9829946

00:17:27.799 --> 00:17:28.299 course.

NOTE Confidence: 0.9751921

00:17:29.559 --> 00:17:30.919 It's interesting that not all

NOTE Confidence: 0.9751921

00:17:30.919 --> 00:17:32.520 of these studies actually used

NOTE Confidence: 0.9751921

00:17:32.520 --> 00:17:33.980 a theory model or framework

NOTE Confidence: 0.9751921

00:17:34.039 --> 00:17:34.539 to,

NOTE Confidence: 0.9711432

00:17:34.919 --> 00:17:35.419 articulate,

NOTE Confidence: 0.8253138

00:17:36.520 --> 00:17:37.580 and con contextualize

NOTE Confidence: 0.9425351

00:17:37.960 --> 00:17:39.820 their, mechanism evaluation.

NOTE Confidence: 0.9870732

00:17:40.600 --> 00:17:41.720 But of those who did,

NOTE Confidence: 0.9870732

00:17:41.720 --> 00:17:43.020 about seventy four percent,

NOTE Confidence: 0.9886164

00:17:43.515 --> 00:17:45.515 the diffusion of innovations theory

NOTE Confidence: 0.9886164

00:17:45.515 --> 00:17:47.115 featured most with twenty percent

NOTE Confidence: 0.9886164

00:17:47.115 --> 00:17:47.855 of researchers.

NOTE Confidence: 0.9731753

00:17:49.435 --> 00:17:49.935 So,

NOTE Confidence: 0.9995453

00:17:50.635 --> 00:17:51.915 this is a legend that

NOTE Confidence: 0.9995453

00:17:51.915 --> 00:17:53.035 you see on your screen

NOTE Confidence: 0.9995453

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00:17:53.035 --> 00:17:53.515 now.

NOTE Confidence: 0.9695179

00:17:53.915 --> 00:17:55.195 You've seen all these terms

NOTE Confidence: 0.9695179

00:17:55.195 --> 00:17:56.095 before implementation

NOTE Confidence: 0.9898897

00:17:56.475 --> 00:17:57.615 strategy, determinant

NOTE Confidence: 0.98635876

00:17:58.440 --> 00:17:59.799 implementation outcome, which, of course,

NOTE Confidence: 0.98635876

00:17:59.799 --> 00:18:01.480 is different than the clinical

NOTE Confidence: 0.98635876

00:18:01.480 --> 00:18:02.520 outcome. And so in some

NOTE Confidence: 0.98635876

00:18:02.520 --> 00:18:03.799 ways, we have two levels

NOTE Confidence: 0.98635876

00:18:03.799 --> 00:18:05.320 of intervention and two levels

NOTE Confidence: 0.98635876

00:18:05.320 --> 00:18:06.059 of outcomes.

NOTE Confidence: 0.9977119

00:18:06.600 --> 00:18:07.159 And then,

NOTE Confidence: 0.9919833

00:18:07.640 --> 00:18:09.559 we're characterizing the mechanism as

NOTE Confidence: 0.9919833

00:18:09.559 --> 00:18:11.159 a mediator in these models

NOTE Confidence: 0.9919833

00:18:11.159 --> 00:18:12.465 you'll see. So what we

NOTE Confidence: 0.9919833

00:18:12.465 --> 00:18:14.325 tried to do is actually,

NOTE Confidence: 0.9945773

00:18:15.505 --> 00:18:16.804 in a in a figure

NOTE Confidence: 0.9945773

00:18:16.865 --> 00:18:18.804 using these shapes and icons

NOTE Confidence: 0.96585244

00:18:19.184 --> 00:18:21.905 is characterize the range of

NOTE Confidence: 0.96585244

00:18:21.905 --> 00:18:23.984 types of mechanism evaluations that

NOTE Confidence: 0.96585244

00:18:23.984 --> 00:18:25.205 the field had contributed,

NOTE Confidence: 0.999788

00:18:25.744 --> 00:18:26.645 to this point.

NOTE Confidence: 0.9668599

00:18:27.359 --> 00:18:28.960 So in the upper left

NOTE Confidence: 0.9668599

00:18:28.960 --> 00:18:29.460 corner,

NOTE Confidence: 0.9955127

00:18:29.840 --> 00:18:31.359 model one, we saw this

NOTE Confidence: 0.9955127

00:18:31.359 --> 00:18:32.800 in one study where,

NOTE Confidence: 0.99671364

00:18:33.119 --> 00:18:34.020 folks were

NOTE Confidence: 0.99364376

00:18:34.559 --> 00:18:35.059 actually

NOTE Confidence: 0.98358

00:18:35.600 --> 00:18:36.480 looking at,

NOTE Confidence: 0.99796593

00:18:36.960 --> 00:18:37.460 determinants

NOTE Confidence: 0.8754183

00:18:37.760 --> 00:18:39.840 and then, the change in

NOTE Confidence: 0.8754183

00:18:39.840 --> 00:18:41.440 strategies, which was a little

NOTE Confidence: 0.8754183

00:18:41.440 --> 00:18:41.680 bit interesting and unexpected for

NOTE Confidence: 0.8754183

00:18:41.680 --> 00:18:41.920 me at least,

NOTE Confidence: 0.99023443

00:18:44.855 --> 00:18:46.215 to then change in in

NOTE Confidence: 0.99023443

00:18:46.215 --> 00:18:47.515 determinants of practice.

NOTE Confidence: 0.9701147

00:18:48.135 --> 00:18:49.815 This model two appeared in

NOTE Confidence: 0.9701147

00:18:49.815 --> 00:18:51.595 two different studies, strategy

NOTE Confidence: 0.975844

00:18:52.294 --> 00:18:52.794 to,

NOTE Confidence: 0.98695844

00:18:54.215 --> 00:18:55.835 outcome to another outcome.

NOTE Confidence: 0.98530614

00:18:56.290 --> 00:18:57.490 And this was the primary

NOTE Confidence: 0.98530614

00:18:57.490 --> 00:18:58.930 model we were interested in

NOTE Confidence: 0.98530614

00:18:58.930 --> 00:19:00.070 seeing where strategies

NOTE Confidence: 0.9743491

00:19:00.369 --> 00:19:02.530 are changing determinants in practice

NOTE Confidence: 0.9743491

00:19:02.530 --> 00:19:04.150 and then yielding the implementation

NOTE Confidence: 0.9743491

00:19:04.450 --> 00:19:06.130 outcomes of interest. We saw

NOTE Confidence: 0.9743491

00:19:06.130 --> 00:19:07.650 this I'm sorry. This is

NOTE Confidence: 0.9743491

00:19:07.650 --> 00:19:09.330 Donna. Just because even I

NOTE Confidence: 0.9743491

00:19:09.330 --> 00:19:10.930 am a I understand all

NOTE Confidence: 0.9743491

00:19:10.930 --> 00:19:12.105 the terms, but I'm not

NOTE Confidence: 0.9743491

00:19:12.105 --> 00:19:13.625 quite sure what determinant of

NOTE Confidence: 0.9743491

00:19:13.625 --> 00:19:14.605 practice means.

NOTE Confidence: 0.995165

00:19:15.065 --> 00:19:17.085 Sure. Yes. Thanks for clarifying.

NOTE Confidence: 0.995165

00:19:17.304 --> 00:19:18.205 So determinant,

NOTE Confidence: 0.9808107

00:19:18.744 --> 00:19:19.785 I'm using that as the

NOTE Confidence: 0.9808107

00:19:19.785 --> 00:19:21.544 jargony term for barriers or

NOTE Confidence: 0.9808107

00:19:21.544 --> 00:19:23.145 facilitators. So these are Okay.

NOTE Confidence: 0.9808107

00:19:23.225 --> 00:19:24.684 Those contextual factors

NOTE Confidence: 0.9538814

00:19:25.385 --> 00:19:25.625 that,

NOTE Confidence: 0.9991024

00:19:26.269 --> 00:19:28.429 would otherwise undermine a successful

NOTE Confidence: 0.9991024

00:19:28.429 --> 00:19:28.929 implementation

NOTE Confidence: 0.95162857

00:19:29.389 --> 00:19:30.769 with an example being,

NOTE Confidence: 0.99441355

00:19:31.549 --> 00:19:32.690 something like turnover

NOTE Confidence: 0.99810123

00:19:33.070 --> 00:19:33.730 or implementation

NOTE Confidence: 0.98770016

00:19:34.109 --> 00:19:36.529 climate. Right? Mhmm. Mhmm. Yes.

NOTE Confidence: 0.98770016

00:19:36.669 --> 00:19:38.669 So the idea being that

NOTE Confidence: 0.98770016

00:19:38.669 --> 00:19:41.019 we're often choosing a strategy

NOTE Confidence: 0.9985793

00:19:41.725 --> 00:19:43.585 to address a determinant

NOTE Confidence: 0.96482414

00:19:43.965 --> 00:19:45.725 to then yield that outcome

NOTE Confidence: 0.96482414

00:19:45.725 --> 00:19:47.484 of interest. And it was

NOTE Confidence: 0.96482414

00:19:47.484 --> 00:19:49.085 interesting. We only saw of

NOTE Confidence: 0.96482414

00:19:49.085 --> 00:19:50.524 the thirty nine studies, this

NOTE Confidence: 0.96482414

00:19:50.524 --> 00:19:52.125 particular model showing up in

NOTE Confidence: 0.96482414

00:19:52.125 --> 00:19:53.585 seven of the studies.

NOTE Confidence: 0.9973795

00:19:54.100 --> 00:19:55.619 Otherwise, we're seeing a whole

NOTE Confidence: 0.9973795

00:19:55.619 --> 00:19:57.460 different range of constellations, and

NOTE Confidence: 0.9973795

00:19:57.460 --> 00:19:58.679 I'll just let the screen

NOTE Confidence: 0.9768619

00:19:59.059 --> 00:20:00.419 continue to populate here so

NOTE Confidence: 0.9768619

00:20:00.419 --> 00:20:01.460 you can see the different

NOTE Confidence: 0.9768619

00:20:01.460 --> 00:20:02.200 range of

NOTE Confidence: 0.9973466

00:20:02.580 --> 00:20:03.799 mechanism evaluations

NOTE Confidence: 0.9993266

00:20:04.179 --> 00:20:05.880 among those thirty nine studies

NOTE Confidence: 0.73172027

00:20:07.299 --> 00:20:07.799 here.

NOTE Confidence: 0.92626226

00:20:09.375 --> 00:20:10.815 So then also the last

NOTE Confidence: 0.92626226

00:20:10.815 --> 00:20:12.095 thing I'll say about the

NOTE Confidence: 0.92626226

00:20:12.095 --> 00:20:14.275 systematic review findings is that,

NOTE Confidence: 0.9694927

00:20:15.055 --> 00:20:16.895 if you if you look

NOTE Confidence: 0.9694927

00:20:16.895 --> 00:20:18.575 at the, you know, Seminole

NOTE Confidence: 0.9694927

00:20:18.575 --> 00:20:19.795 Bradford Hill

NOTE Confidence: 0.9939184

00:20:21.200 --> 00:20:22.580 criteria for establishing

NOTE Confidence: 0.9335535

00:20:22.880 --> 00:20:25.300 mechanisms then elaborated on in

NOTE Confidence: 0.9335535

00:20:25.359 --> 00:20:26.880 in later years by Al

NOTE Confidence: 0.9335535

00:20:26.880 --> 00:20:27.380 Kasdan,

NOTE Confidence: 0.99849623

00:20:28.400 --> 00:20:30.100 there are these criteria

NOTE Confidence: 0.9333599

00:20:30.400 --> 00:20:32.240 that's not just single studies,

NOTE Confidence: 0.9333599

00:20:32.240 --> 00:20:32.715 but,

NOTE Confidence: 0.98648053

00:20:33.355 --> 00:20:35.534 subsequent studies of similar mechanisms

NOTE Confidence: 0.98648053

00:20:35.755 --> 00:20:37.355 really need to address in

NOTE Confidence: 0.98648053

00:20:37.355 --> 00:20:38.635 order to have confidence that

NOTE Confidence: 0.98648053

00:20:38.635 --> 00:20:40.734 you've established a mechanism. So

NOTE Confidence: 0.98648053

00:20:40.955 --> 00:20:42.015 things like plausibility.

NOTE Confidence: 0.97084594

00:20:42.395 --> 00:20:44.075 There's a timeline issue. Right?

NOTE Confidence: 0.97084594

00:20:44.075 --> 00:20:44.875 And that's why we think

NOTE Confidence: 0.97084594

00:20:44.875 --> 00:20:46.315 about mediators when we talk

NOTE Confidence: 0.97084594

00:20:46.315 --> 00:20:47.135 about mechanisms.

NOTE Confidence: 0.99238265

00:20:47.600 --> 00:20:48.980 There needs to be association.

NOTE Confidence: 0.9974101

00:20:49.440 --> 00:20:50.660 Ideally, there's manipulation

NOTE Confidence: 0.93254685

00:20:51.200 --> 00:20:51.700 happening,

NOTE Confidence: 0.9996939

00:20:52.480 --> 00:20:52.980 consistency

NOTE Confidence: 0.9913939

00:20:53.280 --> 00:20:54.260 across studies,

NOTE Confidence: 0.9927232

00:20:54.720 --> 00:20:55.220 specificity,

NOTE Confidence: 0.9807299

00:20:56.080 --> 00:20:57.520 that you're able to that

NOTE Confidence: 0.9807299

00:20:57.520 --> 00:20:58.960 you're able to shed light

NOTE Confidence: 0.9807299

00:20:58.960 --> 00:21:00.900 on evidence for a specific

NOTE Confidence: 0.9869285

00:21:01.359 --> 00:21:03.060 mechanism and not others,

NOTE Confidence: 0.8880874

00:21:03.734 --> 00:21:04.395 and then,

NOTE Confidence: 0.97403425

00:21:05.095 --> 00:21:06.775 evidence of a gradient of

NOTE Confidence: 0.97403425

00:21:06.775 --> 00:21:08.455 change. And so you can

NOTE Confidence: 0.97403425

00:21:08.455 --> 00:21:09.335 see that,

NOTE Confidence: 0.9771318

00:21:09.895 --> 00:21:11.575 very few studies were able

NOTE Confidence: 0.9771318

00:21:11.575 --> 00:21:13.015 to address all of these

NOTE Confidence: 0.9771318

00:21:13.015 --> 00:21:14.795 or any of these criteria.

NOTE Confidence: 0.9771318

00:21:14.934 --> 00:21:15.830 So there's work to be

NOTE Confidence: 0.9771318

00:21:15.830 --> 00:21:16.330 done.

NOTE Confidence: 0.9984415

00:21:16.630 --> 00:21:18.070 This is all inspiration for

NOTE Confidence: 0.9984415

00:21:18.070 --> 00:21:18.730 what led

NOTE Confidence: 0.97329533

00:21:19.109 --> 00:21:20.869 us to wanna unpack this

NOTE Confidence: 0.97329533

00:21:20.869 --> 00:21:22.310 line from a to b,

NOTE Confidence: 0.97329533

00:21:22.310 --> 00:21:23.450 strategy to outcome,

NOTE Confidence: 0.97954476

00:21:23.830 --> 00:21:25.830 and, borrowed this comic from

NOTE Confidence: 0.97954476

00:21:25.830 --> 00:21:27.190 Byron Powell and others that

NOTE Confidence: 0.97954476

00:21:27.190 --> 00:21:28.070 I think you should be

NOTE Confidence: 0.97954476

00:21:28.070 --> 00:21:29.510 more explicit here in step

NOTE Confidence: 0.97954476

00:21:29.510 --> 00:21:30.490 two. And so

NOTE Confidence: 0.98512346

00:21:30.994 --> 00:21:32.355 here we go. A little

NOTE Confidence: 0.98512346

00:21:32.355 --> 00:21:33.575 bit more on the motivation.

NOTE Confidence: 0.98512346

00:21:33.635 --> 00:21:34.755 What are the problems we're

NOTE Confidence: 0.98512346

00:21:34.755 --> 00:21:35.795 trying to solve when we

NOTE Confidence: 0.98512346

00:21:35.795 --> 00:21:36.935 think about mechanisms?

NOTE Confidence: 0.9925452

00:21:38.115 --> 00:21:39.255 You know, unfortunately,

NOTE Confidence: 0.9988953

00:21:39.635 --> 00:21:41.315 despite the progress, the twenty

NOTE Confidence: 0.9988953

00:21:41.315 --> 00:21:42.675 years or more of science

NOTE Confidence: 0.9988953

00:21:42.675 --> 00:21:43.494 in this area,

NOTE Confidence: 0.9921658

00:21:44.355 --> 00:21:46.540 we see that, there is

NOTE Confidence: 0.9921658

00:21:46.540 --> 00:21:47.680 still some suboptimal,

NOTE Confidence: 0.99932027

00:21:48.940 --> 00:21:50.859 outcomes in terms of the

NOTE Confidence: 0.99932027

00:21:50.859 --> 00:21:51.359 implementation

NOTE Confidence: 0.9943341

00:21:51.660 --> 00:21:53.740 clinical trials that demand a

NOTE Confidence: 0.9943341

00:21:53.740 --> 00:21:54.560 huge investment,

NOTE Confidence: 0.9968292

00:21:55.500 --> 00:21:56.960 both domestically and abroad.

NOTE Confidence: 0.973543

00:21:58.060 --> 00:21:59.340 And there's one,

NOTE Confidence: 0.9754553

00:21:59.740 --> 00:22:00.940 example that I like to

NOTE Confidence: 0.9754553

00:22:00.940 --> 00:22:02.994 bring up, the tailored implementation

NOTE Confidence: 0.9754553

00:22:03.215 --> 00:22:04.355 in chronic diseases.

NOTE Confidence: 0.9987399

00:22:04.975 --> 00:22:06.034 This is a multinational

NOTE Confidence: 0.9915438

00:22:06.575 --> 00:22:08.755 study in Europe that took

NOTE Confidence: 0.9915438

00:22:08.894 --> 00:22:09.635 seven years,

NOTE Confidence: 0.9897299

00:22:10.815 --> 00:22:12.434 to come to fruition.

NOTE Confidence: 0.9984244

00:22:12.734 --> 00:22:13.234 And

NOTE Confidence: 0.99878985

00:22:13.630 --> 00:22:14.450 in the introductory

NOTE Confidence: 0.96955305

00:22:14.830 --> 00:22:16.450 article to the special collection

NOTE Confidence: 0.96955305

00:22:16.510 --> 00:22:18.190 that gave us so many

NOTE Confidence: 0.96955305

00:22:18.190 --> 00:22:20.190 learnings in the implementation science

NOTE Confidence: 0.96955305

00:22:20.190 --> 00:22:22.350 space, unfold or, unfortunately, the

NOTE Confidence: 0.96955305

00:22:22.350 --> 00:22:23.950 effects were null in terms

NOTE Confidence: 0.96955305

00:22:23.950 --> 00:22:25.409 of the tailoring,

NOTE Confidence: 0.9553223

00:22:26.030 --> 00:22:27.710 influencing the outcomes they cared

NOTE Confidence: 0.9553223

00:22:27.710 --> 00:22:29.715 about. And Michelle Vinseng, the

NOTE Confidence: 0.9553223

00:22:29.715 --> 00:22:31.255 former editor of implementation

NOTE Confidence: 0.9675993

00:22:31.555 --> 00:22:33.575 science, states that the chosen

NOTE Confidence: 0.9675993

00:22:33.635 --> 00:22:35.795 strategies were not sufficiently matched

NOTE Confidence: 0.9675993

00:22:35.795 --> 00:22:37.875 with targeted determinants or not

NOTE Confidence: 0.9675993

00:22:37.875 --> 00:22:38.375 effective

NOTE Confidence: 0.9929532

00:22:38.835 --> 00:22:40.035 in the targeted groups and

NOTE Confidence: 0.9929532

00:22:40.035 --> 00:22:41.635 settings. So insight into the

NOTE Confidence: 0.9929532

00:22:41.635 --> 00:22:43.820 linkages of interventions and determinants

NOTE Confidence: 0.9929532

00:22:43.880 --> 00:22:44.780 is very limited.

NOTE Confidence: 0.9969914

00:22:45.559 --> 00:22:47.000 So that that's,

NOTE Confidence: 0.8176768

00:22:47.720 --> 00:22:48.619 a more recent,

NOTE Confidence: 0.9996923

00:22:49.240 --> 00:22:49.740 observation

NOTE Confidence: 0.9885791

00:22:50.040 --> 00:22:51.640 that motivates this, and I'll

NOTE Confidence: 0.9885791

00:22:51.640 --> 00:22:52.760 stay back on that slide

NOTE Confidence: 0.9885791

00:22:52.760 --> 00:22:54.299 just for another moment to

NOTE Confidence: 0.9885791

00:22:54.440 --> 00:22:55.980 acknowledge also that,

NOTE Confidence: 0.99662066

00:22:57.255 --> 00:22:58.875 the higher cost and complexity

NOTE Confidence: 0.99662066

00:22:59.015 --> 00:22:59.675 of implementation

NOTE Confidence: 0.9708474

00:23:00.055 --> 00:23:02.135 strategies is sometimes perturbing to

NOTE Confidence: 0.9708474

00:23:02.135 --> 00:23:03.815 me. You know, we've got,

NOTE Confidence: 0.9943359

00:23:04.375 --> 00:23:06.535 we've got such inequities in

NOTE Confidence: 0.9943359

00:23:06.535 --> 00:23:08.135 terms of access to evidence

NOTE Confidence: 0.9943359

00:23:08.135 --> 00:23:09.035 based interventions.

NOTE Confidence: 0.95417327

00:23:09.655 --> 00:23:10.695 And if here we are,

NOTE Confidence: 0.99476606

00:23:11.760 --> 00:23:13.460 designing and testing implementation

NOTE Confidence: 0.9652237

00:23:13.840 --> 00:23:15.680 strategies that cannot be accessed

NOTE Confidence: 0.9652237

00:23:15.680 --> 00:23:17.380 by low resource settings that

NOTE Confidence: 0.9652237

00:23:17.520 --> 00:23:18.960 cannot be scaled because of

NOTE Confidence: 0.9652237

00:23:18.960 --> 00:23:20.720 their cost, I I think

NOTE Confidence: 0.9652237

00:23:20.720 --> 00:23:22.580 we're doing ourselves a disservice

NOTE Confidence: 0.9652237

00:23:22.640 --> 00:23:23.540 and might unfortunately

NOTE Confidence: 0.99710196

00:23:24.355 --> 00:23:26.054 land ourselves with this ironic

NOTE Confidence: 0.99710196

00:23:26.195 --> 00:23:27.634 situation where we've created our

NOTE Confidence: 0.99710196

00:23:27.634 --> 00:23:29.654 own gap between implementation

NOTE Confidence: 0.9265073

00:23:30.034 --> 00:23:31.975 strategy evidence and then implementation

NOTE Confidence: 0.95105875

00:23:32.355 --> 00:23:33.815 practice and what is possible.

NOTE Confidence: 0.98083633

00:23:34.434 --> 00:23:35.794 And then finally, and this

NOTE Confidence: 0.98083633

00:23:35.794 --> 00:23:36.914 is actually more along the

NOTE Confidence: 0.98083633

00:23:36.914 --> 00:23:37.794 lines of what I was

NOTE Confidence: 0.98083633

00:23:37.794 --> 00:23:38.534 just saying,

NOTE Confidence: 0.8993616

00:23:39.210 --> 00:23:40.429 that, inequities

NOTE Confidence: 0.9990415

00:23:40.730 --> 00:23:42.590 could could really be exacerbated

NOTE Confidence: 0.9990415

00:23:42.809 --> 00:23:44.270 when we're really trying to

NOTE Confidence: 0.9990415

00:23:44.330 --> 00:23:45.770 address them and achieve health

NOTE Confidence: 0.9990415

00:23:45.770 --> 00:23:46.270 equity.

NOTE Confidence: 0.95349956

00:23:47.850 --> 00:23:49.770 So practically speaking, we and

NOTE Confidence: 0.95349956

00:23:49.770 --> 00:23:50.835 I always feel like I

NOTE Confidence: 0.95349956

00:23:50.835 --> 00:23:51.654 should say,

NOTE Confidence: 0.98726654

00:23:52.115 --> 00:23:53.395 at least a few things

NOTE Confidence: 0.98726654

00:23:53.395 --> 00:23:54.755 along the lines of why

NOTE Confidence: 0.98726654

00:23:54.755 --> 00:23:56.695 are why is studying implementation

NOTE Confidence: 0.98726654

00:23:56.914 --> 00:23:58.534 mechanisms useful practically,

NOTE Confidence: 0.9819497

00:23:59.395 --> 00:24:00.835 because it does seem like

NOTE Confidence: 0.9819497

00:24:00.835 --> 00:24:02.695 such a scientific sort of,

NOTE Confidence: 0.90179527

00:24:03.635 --> 00:24:04.135 specific,

NOTE Confidence: 0.9941314

00:24:04.674 --> 00:24:05.654 type of evaluation.

NOTE Confidence: 0.99617606

00:24:06.380 --> 00:24:07.340 Well, you've heard me talk

NOTE Confidence: 0.99617606

00:24:07.340 --> 00:24:08.880 about selecting strategies.

NOTE Confidence: 0.97767705

00:24:09.900 --> 00:24:11.100 This is not an easy

NOTE Confidence: 0.97767705

00:24:11.100 --> 00:24:12.800 task. When we do,

NOTE Confidence: 0.9524822

00:24:14.140 --> 00:24:15.900 try to characterize the literature

NOTE Confidence: 0.9524822

00:24:15.900 --> 00:24:16.780 on what are the most

NOTE Confidence: 0.9524822

00:24:16.780 --> 00:24:17.280 common

NOTE Confidence: 0.9931579

00:24:17.580 --> 00:24:18.080 implementation

NOTE Confidence: 0.99178416

00:24:18.460 --> 00:24:19.760 strategies being tested,

NOTE Confidence: 0.97101057

00:24:20.185 --> 00:24:21.225 we see so much of

NOTE Confidence: 0.97101057

00:24:21.225 --> 00:24:22.665 it being perhaps driven by

NOTE Confidence: 0.97101057

00:24:22.665 --> 00:24:23.165 familiarity,

NOTE Confidence: 0.9971954

00:24:23.785 --> 00:24:25.065 you know, groups being or

NOTE Confidence: 0.9971954

00:24:25.065 --> 00:24:27.005 hospital systems being familiar with

NOTE Confidence: 0.9971954

00:24:27.225 --> 00:24:28.585 CMEs. And so what do

NOTE Confidence: 0.9971954

00:24:28.585 --> 00:24:29.465 they do when they need

NOTE Confidence: 0.9971954

00:24:29.465 --> 00:24:30.265 to bring in a new

NOTE Confidence: 0.9971954

00:24:30.265 --> 00:24:31.244 clinical intervention?

NOTE Confidence: 0.99606913

00:24:31.945 --> 00:24:33.244 They offer a CME.

NOTE Confidence: 0.9874559

00:24:34.480 --> 00:24:35.520 But there should be other

NOTE Confidence: 0.9874559

00:24:35.520 --> 00:24:37.600 ways to inform selection of

NOTE Confidence: 0.9874559

00:24:37.600 --> 00:24:38.100 strategies.

NOTE Confidence: 0.8229426

00:24:39.359 --> 00:24:39.859 Unfortunately,

NOTE Confidence: 0.9884404

00:24:40.400 --> 00:24:41.780 and there are other examples,

NOTE Confidence: 0.9884404

00:24:41.919 --> 00:24:42.820 not just familiarity,

NOTE Confidence: 0.8961452

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00:24:44.799 --> 00:24:45.679 which is sort of the

NOTE Confidence: 0.8961452

00:24:45.679 --> 00:24:47.039 first that the train and

NOTE Confidence: 0.8961452

00:24:47.039 --> 00:24:47.539 pray,

NOTE Confidence: 0.9196117

00:24:48.125 --> 00:24:49.965 But there's the kitchen sink

NOTE Confidence: 0.9196117

00:24:49.965 --> 00:24:50.465 approach,

NOTE Confidence: 0.9621914

00:24:50.845 --> 00:24:52.205 that relates to the increasing

NOTE Confidence: 0.9621914

00:24:52.205 --> 00:24:54.205 cost and complexity. Let's throw

NOTE Confidence: 0.9621914

00:24:54.205 --> 00:24:55.725 all the strategies we can

NOTE Confidence: 0.9621914

00:24:55.725 --> 00:24:56.465 at the,

NOTE Confidence: 0.99906605

00:24:57.244 --> 00:24:57.744 implementation

NOTE Confidence: 0.9538978

00:24:58.125 --> 00:24:59.345 problems we're facing.

NOTE Confidence: 0.97236156

00:25:00.230 --> 00:25:01.850 We I talked about tailoring.

NOTE Confidence: 0.98992586

00:25:02.230 --> 00:25:03.910 There's and the the opposite

NOTE Confidence: 0.98992586

00:25:03.910 --> 00:25:04.790 of that is a one

NOTE Confidence: 0.98992586

00:25:04.790 --> 00:25:06.310 size fits all approach. And

NOTE Confidence: 0.98992586

00:25:06.310 --> 00:25:07.830 so if we're selecting a

NOTE Confidence: 0.98992586

00:25:07.830 --> 00:25:08.890 bundle of strategies,

NOTE Confidence: 0.8423765

00:25:09.750 --> 00:25:11.109 and using them the the

NOTE Confidence: 0.8423765

00:25:11.109 --> 00:25:12.790 same across context, then,

NOTE Confidence: 0.9329441

00:25:13.965 --> 00:25:14.925 that might not be the

NOTE Confidence: 0.9329441

00:25:14.925 --> 00:25:16.125 best way to to make

NOTE Confidence: 0.9329441

00:25:16.125 --> 00:25:18.385 selections. And then Martin Echols

NOTE Confidence: 0.9329441

00:25:18.445 --> 00:25:20.605 coined the is logiat, which

NOTE Confidence: 0.9329441

00:25:20.605 --> 00:25:21.565 was it seemed like a

NOTE Confidence: 0.9329441

00:25:21.565 --> 00:25:22.945 good idea at the time.

NOTE Confidence: 0.98813856

00:25:23.325 --> 00:25:24.285 And so we can do

NOTE Confidence: 0.98813856

00:25:24.285 --> 00:25:25.825 better, and I think studying

NOTE Confidence: 0.98813856

00:25:25.885 --> 00:25:27.565 mechanisms and centering them in

NOTE Confidence: 0.98813856

00:25:27.565 --> 00:25:28.845 selection is one way to

NOTE Confidence: 0.98813856

00:25:28.845 --> 00:25:28.980 do

NOTE Confidence: 0.9827528

00:25:31.220 --> 00:25:33.059 better. Practically speaking then,

NOTE Confidence: 0.99513066

00:25:33.780 --> 00:25:35.400 part of selecting is matching

NOTE Confidence: 0.99513066

00:25:35.700 --> 00:25:37.640 to the strategies to barriers.

NOTE Confidence: 0.99791384

00:25:38.340 --> 00:25:39.299 So you've heard me talk

NOTE Confidence: 0.99791384

00:25:39.299 --> 00:25:41.725 about determinants multiple times. This

NOTE Confidence: 0.99791384

00:25:41.725 --> 00:25:42.845 is one of the really

NOTE Confidence: 0.99791384

00:25:42.845 --> 00:25:43.345 interesting,

NOTE Confidence: 0.99624777

00:25:43.885 --> 00:25:45.664 outputs from that tailored implementation

NOTE Confidence: 0.99624777

00:25:45.725 --> 00:25:46.784 of chronic disease,

NOTE Confidence: 0.9620139

00:25:47.404 --> 00:25:49.085 multinational study where Kraus and

NOTE Confidence: 0.9620139

00:25:49.085 --> 00:25:50.284 colleagues and forgive me for

NOTE Confidence: 0.9620139

00:25:50.284 --> 00:25:51.804 not having the citation here

NOTE Confidence: 0.9620139

00:25:51.804 --> 00:25:52.465 for you.

NOTE Confidence: 0.92519134

00:25:52.845 --> 00:25:54.924 They discovered six hundred and

NOTE Confidence: 0.92519134

00:25:54.924 --> 00:25:55.424 one,

NOTE Confidence: 0.8732031

00:25:56.530 --> 00:25:58.950 discrete plausible determinants of practice,

NOTE Confidence: 0.989098

00:25:59.330 --> 00:26:00.690 and they did shake loose

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NOTE Confidence: 0.989098

00:26:00.690 --> 00:26:02.210 across a variety of levels,

NOTE Confidence: 0.989098

00:26:02.210 --> 00:26:03.830 patient, provider, organization,

NOTE Confidence: 0.9952492

00:26:04.369 --> 00:26:06.070 community, and policy levels.

NOTE Confidence: 0.97776145

00:26:06.609 --> 00:26:08.115 So when you're faced with,

NOTE Confidence: 0.97776145

00:26:08.195 --> 00:26:09.395 you know, I think we

NOTE Confidence: 0.97776145

00:26:09.395 --> 00:26:10.915 see more often fifty or

NOTE Confidence: 0.97776145

00:26:10.915 --> 00:26:12.434 so determinants in a given

NOTE Confidence: 0.97776145

00:26:12.434 --> 00:26:14.135 project. This was across many.

NOTE Confidence: 0.97776145

00:26:14.275 --> 00:26:15.315 But when you're faced with

NOTE Confidence: 0.97776145

00:26:15.315 --> 00:26:16.515 so many determinants, how do

NOTE Confidence: 0.97776145

00:26:16.515 --> 00:26:18.054 you select and match strategies?

NOTE Confidence: 0.9622292

00:26:18.595 --> 00:26:20.115 Especially when then you're faced

NOTE Confidence: 0.9622292

00:26:20.115 --> 00:26:21.635 with seventy or more. I

NOTE Confidence: 0.9622292

00:26:21.635 --> 00:26:23.190 think more recently, we see

NOTE Confidence: 0.9622292

00:26:23.269 --> 00:26:24.789 at least one hundred discrete

NOTE Confidence: 0.9622292

00:26:24.789 --> 00:26:26.389 strategies are available to us

NOTE Confidence: 0.9622292

00:26:26.389 --> 00:26:27.830 for use. And I'm giving

NOTE Confidence: 0.9622292

00:26:27.830 --> 00:26:29.669 you some some examples across

NOTE Confidence: 0.9622292

00:26:29.669 --> 00:26:32.250 plan, educate, finance, restructure,

NOTE Confidence: 0.95480174

00:26:32.789 --> 00:26:34.389 quality management, and the policy

NOTE Confidence: 0.95480174

00:26:34.389 --> 00:26:34.889 context.

NOTE Confidence: 0.9910453

00:26:36.865 --> 00:26:39.105 So then, tailoring is another,

NOTE Confidence: 0.99788505

00:26:39.505 --> 00:26:40.965 approach to implementation,

NOTE Confidence: 0.9566527

00:26:41.825 --> 00:26:43.345 that I've been talking about,

NOTE Confidence: 0.9566527

00:26:43.345 --> 00:26:43.845 and,

NOTE Confidence: 0.99220324

00:26:44.625 --> 00:26:46.465 I'm excited about the work

NOTE Confidence: 0.99220324

00:26:46.465 --> 00:26:48.545 forthcoming from Sheena McHugh and

NOTE Confidence: 0.99220324

00:26:48.545 --> 00:26:50.930 her team. They're characterizing processes

NOTE Confidence: 0.99220324

00:26:50.930 --> 00:26:52.790 and outcomes of tailoring implementation

NOTE Confidence: 0.9465244

00:26:53.090 --> 00:26:53.590 strategies,

NOTE Confidence: 0.9588214

00:26:54.369 --> 00:26:55.730 because, really, there's so much

NOTE Confidence: 0.9588214

00:26:55.730 --> 00:26:56.369 to be,

NOTE Confidence: 0.9899553

00:26:57.330 --> 00:26:59.170 learned and specified in this

NOTE Confidence: 0.9899553

00:26:59.170 --> 00:27:00.770 space. Even the definition of

NOTE Confidence: 0.9899553

00:27:00.770 --> 00:27:01.270 tailoring,

NOTE Confidence: 0.986787

00:27:02.065 --> 00:27:03.825 has some tension associated with

NOTE Confidence: 0.986787

00:27:03.825 --> 00:27:04.325 it,

NOTE Confidence: 0.9961158

00:27:04.705 --> 00:27:06.305 and the methods are unclear

NOTE Confidence: 0.9961158

00:27:06.305 --> 00:27:07.365 about how best,

NOTE Confidence: 0.99369824

00:27:07.744 --> 00:27:09.765 to tailor to optimize outcomes.

NOTE Confidence: 0.99960136

00:27:10.225 --> 00:27:11.605 And speaking of optimization,

NOTE Confidence: 0.9865846

00:27:12.065 --> 00:27:13.025 there are a couple of

NOTE Confidence: 0.9865846

00:27:13.025 --> 00:27:14.785 groups, including yours, Donna, who

NOTE Confidence: 0.9865846

00:27:14.785 --> 00:27:16.140 are helping us think about

NOTE Confidence: 0.9865846

00:27:16.300 --> 00:27:17.200 how do we optimize

NOTE Confidence: 0.99930835

00:27:17.580 --> 00:27:18.080 implementation

NOTE Confidence: 0.9981337

00:27:18.460 --> 00:27:18.960 strategies

NOTE Confidence: 0.93423903

00:27:19.420 --> 00:27:21.500 when we're centering criteria like

NOTE Confidence: 0.93423903

00:27:21.500 --> 00:27:22.560 equity or

NOTE Confidence: 0.929931

00:27:23.020 --> 00:27:24.480 cost or efficiency.

NOTE Confidence: 0.98553056

00:27:25.100 --> 00:27:26.619 How do we streamline? How

NOTE Confidence: 0.98553056

00:27:26.619 --> 00:27:28.160 do we scale implementation,

NOTE Confidence: 0.9801897

00:27:29.660 --> 00:27:30.160 accordingly?

NOTE Confidence: 0.97603595

00:27:31.325 --> 00:27:32.865 So that all of that

NOTE Confidence: 0.97603595

00:27:33.005 --> 00:27:34.445 led us to apply to

NOTE Confidence: 0.97603595

00:27:34.445 --> 00:27:36.125 the Agency for Healthcare Research

NOTE Confidence: 0.97603595

00:27:36.125 --> 00:27:37.725 in the United States, for

NOTE Confidence: 0.97603595

00:27:37.725 --> 00:27:39.484 an r thirteen award. This

NOTE Confidence: 0.97603595

00:27:39.484 --> 00:27:41.105 is a conference grant mechanism,

NOTE Confidence: 0.9553218

00:27:41.965 --> 00:27:43.725 that we fortunately received after

NOTE Confidence: 0.9553218

00:27:43.725 --> 00:27:44.625 our third application.

NOTE Confidence: 0.9883645

00:27:44.925 --> 00:27:45.805 I like to be a

NOTE Confidence: 0.9883645

00:27:45.805 --> 00:27:47.460 humble human and let folks

NOTE Confidence: 0.9883645

00:27:47.460 --> 00:27:48.900 know it takes a lot

NOTE Confidence: 0.9883645

00:27:48.900 --> 00:27:50.340 of tries, right, to get

NOTE Confidence: 0.9883645

00:27:50.340 --> 00:27:50.840 your,

NOTE Confidence: 0.9978857

00:27:51.380 --> 00:27:52.840 grant ideas funded.

NOTE Confidence: 0.9793774

00:27:53.700 --> 00:27:54.740 This was not my record.

NOTE Confidence: 0.9793774

00:27:54.740 --> 00:27:55.940 I think I submitted an

NOTE Confidence: 0.9793774

00:27:55.940 --> 00:27:57.140 r o one four times

NOTE Confidence: 0.9793774

00:27:57.140 --> 00:27:59.000 once before I was successful.

NOTE Confidence: 0.98283017

00:27:59.925 --> 00:28:00.885 But the goals of this

NOTE Confidence: 0.98283017

00:28:00.885 --> 00:28:02.425 r thirteen were to establish

NOTE Confidence: 0.98283017

00:28:02.485 --> 00:28:03.845 the priorities to guide a

NOTE Confidence: 0.98283017

00:28:03.845 --> 00:28:05.385 research agenda on implementation

NOTE Confidence: 0.98960775

00:28:05.685 --> 00:28:06.965 mechanisms and then to share

NOTE Confidence: 0.98960775

00:28:06.965 --> 00:28:07.625 it broadly.

NOTE Confidence: 0.9380634

00:28:08.565 --> 00:28:09.925 The methods we use were

NOTE Confidence: 0.9380634

00:28:09.925 --> 00:28:10.425 multifold.

NOTE Confidence: 0.9719949

00:28:10.885 --> 00:28:12.265 They featured partnership,

NOTE Confidence: 0.88413215

00:28:12.885 --> 00:28:13.929 with SERC,

NOTE Confidence: 0.943007

00:28:14.390 --> 00:28:15.669 that society that has been

NOTE Confidence: 0.943007

00:28:15.669 --> 00:28:17.049 mentioned a couple of times,

NOTE Confidence: 0.9864847

00:28:17.590 --> 00:28:18.490 network recruitment,

NOTE Confidence: 0.959879

00:28:19.030 --> 00:28:20.650 to folks who had mechanism

NOTE Confidence: 0.959879

00:28:20.789 --> 00:28:21.690 like expertise,

NOTE Confidence: 0.9652324

00:28:22.630 --> 00:28:24.090 and we formed this mechanisms

NOTE Confidence: 0.9652324

00:28:24.150 --> 00:28:26.115 network of expertise in SERC.

NOTE Confidence: 0.9392979

00:28:26.915 --> 00:28:28.775 We then identified challenges,

NOTE Confidence: 0.9977017

00:28:30.035 --> 00:28:31.155 to doing this type of

NOTE Confidence: 0.9977017

00:28:31.155 --> 00:28:31.655 research,

NOTE Confidence: 0.993554

00:28:32.035 --> 00:28:34.215 did some synthesis work, articulated

NOTE Confidence: 0.993554

00:28:34.355 --> 00:28:35.575 priorities and possibilities,

NOTE Confidence: 0.979091

00:28:36.595 --> 00:28:37.895 and are in the dissemination,

NOTE Confidence: 0.99933577

00:28:38.675 --> 00:28:39.655 stage of things.

NOTE Confidence: 0.98076826

00:28:40.370 --> 00:28:41.490 So just wanted to give

NOTE Confidence: 0.98076826

00:28:41.490 --> 00:28:42.610 a nod to the many

NOTE Confidence: 0.98076826

00:28:42.610 --> 00:28:44.770 humans who participated in this

NOTE Confidence: 0.98076826

00:28:44.770 --> 00:28:46.290 effort. I have to acknowledge

NOTE Confidence: 0.98076826

00:28:46.290 --> 00:28:47.970 that they're predominantly in the

NOTE Confidence: 0.98076826

00:28:47.970 --> 00:28:49.910 United States. We had funding

NOTE Confidence: 0.98076826

00:28:49.970 --> 00:28:52.070 limitations to travel people broadly.

NOTE Confidence: 0.97518194

00:28:52.765 --> 00:28:53.965 And, also, as you might

NOTE Confidence: 0.97518194

00:28:53.965 --> 00:28:55.245 have noted with the timeline,

NOTE Confidence: 0.97518194

00:28:55.245 --> 00:28:57.425 this overlapped with COVID, which

NOTE Confidence: 0.97518194

00:28:57.565 --> 00:28:59.325 prevented some of the conference

NOTE Confidence: 0.97518194

00:28:59.325 --> 00:29:00.845 like activities that we had

NOTE Confidence: 0.97518194

00:29:00.845 --> 00:29:01.345 planned.

NOTE Confidence: 0.96758723

00:29:02.045 --> 00:29:03.405 But we kicked things off

NOTE Confidence: 0.96758723

00:29:03.405 --> 00:29:05.485 with a, plenary session at

NOTE Confidence: 0.96758723

00:29:05.485 --> 00:29:06.465 SERC in twenty

NOTE Confidence: 0.9421935

00:29:08.100 --> 00:29:09.860 seven nineteen, it looks like

NOTE Confidence: 0.9421935

00:29:09.860 --> 00:29:10.520 it was,

NOTE Confidence: 0.97629684

00:29:10.900 --> 00:29:12.260 with David Chambers and doctor

NOTE Confidence: 0.97629684

00:29:12.260 --> 00:29:13.380 Nate Williams where we were

NOTE Confidence: 0.97629684

00:29:13.380 --> 00:29:14.840 setting the stage for understanding,

NOTE Confidence: 0.97629684

00:29:14.900 --> 00:29:15.620 sort of trying to get

NOTE Confidence: 0.97629684

00:29:15.620 --> 00:29:16.820 on the same page about

NOTE Confidence: 0.97629684

00:29:16.820 --> 00:29:17.320 implementation

NOTE Confidence: 0.9876088

00:29:17.700 --> 00:29:18.200 mechanisms

NOTE Confidence: 0.9792913

00:29:18.740 --> 00:29:20.020 and what we knew about

NOTE Confidence: 0.9792913

00:29:20.020 --> 00:29:20.980 them and what we might

NOTE Confidence: 0.9792913

00:29:20.980 --> 00:29:21.480 not.

NOTE Confidence: 0.97748816

00:29:22.415 --> 00:29:24.495 And then we had several

NOTE Confidence: 0.97748816

00:29:24.495 --> 00:29:26.355 inputs for this research agenda.

NOTE Confidence: 0.97748816

00:29:26.415 --> 00:29:28.174 So the systematic reviews that

NOTE Confidence: 0.97748816

00:29:28.174 --> 00:29:29.794 existed in this space were

NOTE Confidence: 0.97748816

00:29:30.015 --> 00:29:31.615 among the inputs. We did

NOTE Confidence: 0.97748816

00:29:31.615 --> 00:29:33.294 an exercise we we called

NOTE Confidence: 0.97748816

00:29:33.294 --> 00:29:35.020 matrix mapping. So all of

NOTE Confidence: 0.97748816

00:29:35.020 --> 00:29:36.720 those, folks on the mechanism

NOTE Confidence: 0.97748816

00:29:36.780 --> 00:29:38.300 of expertise in the early

NOTE Confidence: 0.97748816

00:29:38.300 --> 00:29:38.800 days

NOTE Confidence: 0.9322432

00:29:39.260 --> 00:29:40.240 helped share,

NOTE Confidence: 0.99354666

00:29:41.100 --> 00:29:42.640 where they were studying mechanisms,

NOTE Confidence: 0.99354666

00:29:42.700 --> 00:29:44.140 what they knew about them

NOTE Confidence: 0.99354666

00:29:44.140 --> 00:29:46.000 in a really systematic approach.

NOTE Confidence: 0.9592264

00:29:46.905 --> 00:29:48.985 We also listened in on,

NOTE Confidence: 0.9592264

00:29:49.385 --> 00:29:51.145 studies being proposed that were

NOTE Confidence: 0.9592264

00:29:51.145 --> 00:29:52.445 being discussed in these,

NOTE Confidence: 0.98360884

00:29:52.985 --> 00:29:54.445 workshops, and we qualitatively

NOTE Confidence: 0.9873519

00:29:54.825 --> 00:29:56.765 extracted challenges to,

NOTE Confidence: 0.9994027

00:29:57.225 --> 00:29:58.685 doing mechanism evaluations.

NOTE Confidence: 0.9863844

00:29:59.330 --> 00:30:01.250 We hosted breakout sessions at

NOTE Confidence: 0.9863844

00:30:01.250 --> 00:30:02.290 SERC. So some of you

NOTE Confidence: 0.9863844

00:30:02.290 --> 00:30:03.410 might even been in those

NOTE Confidence: 0.9863844

00:30:03.410 --> 00:30:05.590 rooms where we had facilitated

NOTE Confidence: 0.9863844

00:30:05.730 --> 00:30:07.010 conversations, and I know some

NOTE Confidence: 0.9863844

00:30:07.010 --> 00:30:08.210 of our facilitators are on

NOTE Confidence: 0.9863844

00:30:08.210 --> 00:30:09.970 the call today. So grateful

NOTE Confidence: 0.9863844

00:30:09.970 --> 00:30:11.650 for all you did, to

NOTE Confidence: 0.9863844

00:30:11.650 --> 00:30:13.330 solicit information as one of

NOTE Confidence: 0.9863844

00:30:13.330 --> 00:30:14.684 these inputs. And then we

NOTE Confidence: 0.9863844

00:30:14.684 --> 00:30:16.924 actually coded abstracts at that

NOTE Confidence: 0.9863844

00:30:16.924 --> 00:30:18.065 particular conference.

NOTE Confidence: 0.9770582

00:30:20.125 --> 00:30:21.804 And this this was the

NOTE Confidence: 0.9770582

00:30:21.804 --> 00:30:23.585 theme of the CERC conference

NOTE Confidence: 0.9770582

00:30:23.725 --> 00:30:26.065 back in twenty seventeen, actually.

NOTE Confidence: 0.997603

00:30:27.164 --> 00:30:28.065 Excuse me.

NOTE Confidence: 0.98209095

00:30:28.445 --> 00:30:28.684 And,

NOTE Confidence: 0.92571026

00:30:29.620 --> 00:30:30.679 I should make

NOTE Confidence: 0.91936255

00:30:31.220 --> 00:30:32.260 come off mute to share

NOTE Confidence: 0.91936255

00:30:32.260 --> 00:30:34.200 the methods behind concept mapping.

NOTE Confidence: 0.9954577

00:30:34.659 --> 00:30:36.100 It's a great way to

NOTE Confidence: 0.9954577

00:30:36.100 --> 00:30:37.000 bring together,

NOTE Confidence: 0.9698995

00:30:38.020 --> 00:30:39.559 experts to consider,

NOTE Confidence: 0.7385314

00:30:40.659 --> 00:30:41.159 discrete,

NOTE Confidence: 0.98643166

00:30:41.700 --> 00:30:43.545 pieces of information. In this

NOTE Confidence: 0.98643166

00:30:43.545 --> 00:30:45.305 case, they were considering one

NOTE Confidence: 0.98643166

00:30:45.305 --> 00:30:47.805 hundred and five unique challenges

NOTE Confidence: 0.9994965

00:30:48.105 --> 00:30:49.245 to studying implementation

NOTE Confidence: 0.7926846

00:30:49.625 --> 00:30:50.125 mechanisms,

NOTE Confidence: 0.9829151

00:30:50.585 --> 00:30:52.425 and they were asked to,

NOTE Confidence: 0.950851

00:30:52.825 --> 00:30:55.485 group them to conceptually distinct

NOTE Confidence: 0.950851

00:30:55.545 --> 00:30:57.885 piles and help us characterize

NOTE Confidence: 0.950851

00:30:58.105 --> 00:30:58.605 those,

NOTE Confidence: 0.97752

00:30:59.490 --> 00:31:01.090 discrete challenges. And this is

NOTE Confidence: 0.97752

00:31:01.090 --> 00:31:02.370 where we landed in terms

NOTE Confidence: 0.97752

00:31:02.370 --> 00:31:03.750 of a concept map.

NOTE Confidence: 0.99470097

00:31:04.370 --> 00:31:05.650 And so you can see

NOTE Confidence: 0.99470097

00:31:05.650 --> 00:31:07.090 the challenges to doing this

NOTE Confidence: 0.99470097

00:31:07.090 --> 00:31:09.490 work range from theoretical and

NOTE Confidence: 0.99470097

00:31:09.490 --> 00:31:10.630 causal in nature

NOTE Confidence: 0.99562204

00:31:11.365 --> 00:31:12.645 to the types of methods

NOTE Confidence: 0.99562204

00:31:12.645 --> 00:31:14.184 and designs that are needed,

NOTE Confidence: 0.9547689

00:31:15.365 --> 00:31:16.825 and and and more.

NOTE Confidence: 0.9923838

00:31:17.445 --> 00:31:18.885 So these one hundred and

NOTE Confidence: 0.9923838

00:31:18.885 --> 00:31:19.385 five,

NOTE Confidence: 0.95546466

00:31:19.924 --> 00:31:21.145 challenges were,

NOTE Confidence: 0.9937599

00:31:22.085 --> 00:31:22.825 the springboard

NOTE Confidence: 0.962203

00:31:23.284 --> 00:31:24.184 for then,

NOTE Confidence: 0.9954919

00:31:24.485 --> 00:31:24.985 our

NOTE Confidence: 0.926891

00:31:25.920 --> 00:31:27.380 mechanisms research agenda.

NOTE Confidence: 0.97203285

00:31:27.760 --> 00:31:29.520 Just acknowledging that during COVID,

NOTE Confidence: 0.97203285

00:31:29.520 --> 00:31:30.720 we got creative and we

NOTE Confidence: 0.97203285

00:31:30.720 --> 00:31:32.160 met on rocks and stumps

NOTE Confidence: 0.97203285

00:31:32.160 --> 00:31:32.900 in the woods

NOTE Confidence: 0.9946338

00:31:33.680 --> 00:31:34.420 to articulate

NOTE Confidence: 0.9996214

00:31:34.720 --> 00:31:35.780 our research agenda

NOTE Confidence: 0.98101056

00:31:36.240 --> 00:31:37.440 and used a lot of

NOTE Confidence: 0.98101056

00:31:37.440 --> 00:31:39.540 sticky notes to, help

NOTE Confidence: 0.99966764

00:31:39.915 --> 00:31:41.855 clarify priorities and possibilities.

NOTE Confidence: 0.9936506

00:31:42.715 --> 00:31:44.415 So this paper was published,

NOTE Confidence: 0.99831134

00:31:44.955 --> 00:31:46.555 just in September of this

NOTE Confidence: 0.99831134

00:31:46.555 --> 00:31:47.055 year.

NOTE Confidence: 0.9880454

00:31:47.355 --> 00:31:49.035 Another artifact of COVID is

NOTE Confidence: 0.9880454

00:31:49.035 --> 00:31:50.475 that some papers took a

NOTE Confidence: 0.9880454

00:31:50.475 --> 00:31:51.755 little bit longer to get

NOTE Confidence: 0.9880454

00:31:51.755 --> 00:31:52.575 out the door,

NOTE Confidence: 0.99807805

00:31:53.070 --> 00:31:54.669 but I'm delighted to have

NOTE Confidence: 0.99807805

00:31:54.669 --> 00:31:56.029 that out there in an

NOTE Confidence: 0.99807805

00:31:56.029 --> 00:31:57.630 open access journal for folks

NOTE Confidence: 0.99807805

00:31:57.630 --> 00:31:58.850 to consider,

NOTE Confidence: 0.9988308

00:31:59.630 --> 00:32:01.570 as you're thinking about implementation

NOTE Confidence: 0.9875964

00:32:01.870 --> 00:32:02.370 evaluations

NOTE Confidence: 0.99888796

00:32:02.750 --> 00:32:03.570 going forward.

NOTE Confidence: 0.998921

00:32:03.950 --> 00:32:04.990 I'll spend just a few

NOTE Confidence: 0.998921

00:32:04.990 --> 00:32:06.669 minutes then on what we

NOTE Confidence: 0.998921

00:32:06.669 --> 00:32:08.049 featured in that paper.

NOTE Confidence: 0.96796894

00:32:08.804 --> 00:32:10.404 And so how we organize

NOTE Confidence: 0.96796894

00:32:10.404 --> 00:32:11.384 things was,

NOTE Confidence: 0.97583133

00:32:11.924 --> 00:32:13.605 grouping them into what we

NOTE Confidence: 0.97583133

00:32:13.605 --> 00:32:14.585 felt like were,

NOTE Confidence: 0.9919214

00:32:15.125 --> 00:32:17.284 conceptually sort of distinct areas

NOTE Confidence: 0.9919214

00:32:17.284 --> 00:32:17.945 of priority.

NOTE Confidence: 0.9826239

00:32:18.404 --> 00:32:19.684 And then within each of

NOTE Confidence: 0.9826239

00:32:19.684 --> 00:32:21.125 those areas of priority, we

NOTE Confidence: 0.9826239

00:32:21.125 --> 00:32:22.504 had at least two goals,

NOTE Confidence: 0.99922895

00:32:23.284 --> 00:32:24.024 and then

NOTE Confidence: 0.96815646

00:32:24.409 --> 00:32:25.870 we tried to make things

NOTE Confidence: 0.96815646

00:32:25.929 --> 00:32:27.929 concrete and actionable. So we

NOTE Confidence: 0.96815646

00:32:27.929 --> 00:32:29.070 called these possibilities,

NOTE Confidence: 0.99211

00:32:29.370 --> 00:32:30.909 sort of action possibilities.

NOTE Confidence: 0.99165994

00:32:31.610 --> 00:32:32.890 And so there's a hundred

NOTE Confidence: 0.99165994

00:32:32.890 --> 00:32:34.750 and fifty one action possibilities,

NOTE Confidence: 0.98167247

00:32:35.370 --> 00:32:36.750 for studying implementation

NOTE Confidence: 0.9848181

00:32:37.795 --> 00:32:39.955 mechanisms moving forward, and I'll

NOTE Confidence: 0.9848181

00:32:39.955 --> 00:32:41.235 give you some examples of

NOTE Confidence: 0.9848181

00:32:41.235 --> 00:32:41.735 those.

NOTE Confidence: 0.99939257

00:32:42.435 --> 00:32:43.715 So one of the priority

NOTE Confidence: 0.99939257

00:32:43.715 --> 00:32:44.215 areas

NOTE Confidence: 0.9879871

00:32:44.595 --> 00:32:46.195 is accumulating knowledge within and

NOTE Confidence: 0.9879871

00:32:46.195 --> 00:32:47.975 across disciplines. So,

NOTE Confidence: 0.9417976

00:32:48.915 --> 00:32:50.535 there you know, this included

NOTE Confidence: 0.9417976

00:32:50.835 --> 00:32:52.799 nineteen actions actions that featured

NOTE Confidence: 0.9417976

00:32:52.799 --> 00:32:53.299 specific

NOTE Confidence: 0.9314054

00:32:53.679 --> 00:32:55.460 systematic reviews and meta analyses.

NOTE Confidence: 0.9314054

00:32:55.520 --> 00:32:56.900 When we think about mechanisms,

NOTE Confidence: 0.9790792

00:32:57.600 --> 00:32:59.200 the questions we hope scholars

NOTE Confidence: 0.9790792

00:32:59.200 --> 00:33:00.740 will answer are things like,

NOTE Confidence: 0.9790792

00:33:01.039 --> 00:33:01.780 do mechanisms

NOTE Confidence: 0.9327524

00:33:02.320 --> 00:33:03.299 operate universally,

NOTE Confidence: 0.9450584

00:33:03.600 --> 00:33:05.220 or is there variation across

NOTE Confidence: 0.9450584

00:33:05.440 --> 00:33:05.865 context,

NOTE Confidence: 0.9975533

00:33:06.585 --> 00:33:07.625 that we need to be

NOTE Confidence: 0.9975533

00:33:07.625 --> 00:33:08.184 aware of?

NOTE Confidence: 0.943027

00:33:09.545 --> 00:33:11.145 Another priority area is,

NOTE Confidence: 0.97788656

00:33:11.625 --> 00:33:14.205 prioritizing mechanism research incorporating other

NOTE Confidence: 0.97788656

00:33:14.265 --> 00:33:15.965 knowledge. So this had eleven

NOTE Confidence: 0.9546372

00:33:16.265 --> 00:33:18.445 possible actions to bring transdisciplinary

NOTE Confidence: 0.82624835

00:33:29.679 --> 00:33:30.179 epidemiology,

NOTE Confidence: 0.99156094

00:33:30.480 --> 00:33:33.054 psychology, and various other disciplines.

NOTE Confidence: 0.99156094

00:33:33.054 --> 00:33:34.514 And so there are named

NOTE Confidence: 0.99156094

00:33:34.575 --> 00:33:36.095 possible actions for how to

NOTE Confidence: 0.99156094

00:33:36.095 --> 00:33:37.315 do that type of work

NOTE Confidence: 0.99958664

00:33:37.615 --> 00:33:38.735 in the table featured in

NOTE Confidence: 0.99958664

00:33:38.735 --> 00:33:39.475 that paper.

NOTE Confidence: 0.9710493

00:33:40.335 --> 00:33:42.014 We another priority area was

NOTE Confidence: 0.9710493

00:33:42.014 --> 00:33:44.115 overcome design challenges and innovate

NOTE Confidence: 0.9710493

00:33:44.174 --> 00:33:45.870 methods. There were eighteen actions

NOTE Confidence: 0.9710493

00:33:45.870 --> 00:33:47.310 here where there's really new

NOTE Confidence: 0.9710493

00:33:47.310 --> 00:33:48.670 methods needed or we need

NOTE Confidence: 0.9710493

00:33:48.670 --> 00:33:50.030 to borrow methods from other

NOTE Confidence: 0.9710493

00:33:50.030 --> 00:33:51.090 disciplines. So

NOTE Confidence: 0.970365

00:33:51.470 --> 00:33:53.890 modeling time and quantitative assessment

NOTE Confidence: 0.970365

00:33:54.030 --> 00:33:55.810 for isolating specific mechanisms,

NOTE Confidence: 0.9953662

00:33:56.830 --> 00:33:57.890 identifying underutilized

NOTE Confidence: 0.95673996

00:33:58.190 --> 00:34:00.030 methods that offer specific value,

NOTE Confidence: 0.95673996

00:34:00.030 --> 00:34:01.695 like like comparative case studies

NOTE Confidence: 0.95673996

00:34:01.695 --> 00:34:03.855 that could generate hypotheses about

NOTE Confidence: 0.95673996

00:34:03.855 --> 00:34:05.555 complex mechanistic pathways.

NOTE Confidence: 0.95456153

00:34:08.655 --> 00:34:10.835 Priority area around improving measurements.

NOTE Confidence: 0.95456153

00:34:10.895 --> 00:34:12.275 So measurement of mechanisms,

NOTE Confidence: 0.9362599

00:34:12.895 --> 00:34:14.415 particularly in the context where

NOTE Confidence: 0.9362599

00:34:14.415 --> 00:34:16.859 implementation scientists work is pretty

NOTE Confidence: 0.99834365

00:34:17.400 --> 00:34:17.880 challenging.

NOTE Confidence: 0.9401908

00:34:18.599 --> 00:34:20.780 This included thirteen different actions

NOTE Confidence: 0.9401908

00:34:20.839 --> 00:34:21.500 such as

NOTE Confidence: 0.9908667

00:34:21.800 --> 00:34:24.119 pragmatic approaches for objective data

NOTE Confidence: 0.9908667

00:34:24.119 --> 00:34:24.619 collection,

NOTE Confidence: 0.9945726

00:34:24.920 --> 00:34:27.000 those capturing lived experiences of

NOTE Confidence: 0.9945726

00:34:27.000 --> 00:34:27.500 individuals.

NOTE Confidence: 0.98384196

00:34:29.295 --> 00:34:31.055 Then we have another priority

NOTE Confidence: 0.98384196

00:34:31.055 --> 00:34:32.895 area for providing guidance for

NOTE Confidence: 0.98384196

00:34:32.895 --> 00:34:35.614 specifying mechanisms. There were fifteen

NOTE Confidence: 0.98384196

00:34:35.614 --> 00:34:37.775 actions here reflecting mostly tools

NOTE Confidence: 0.98384196

00:34:37.775 --> 00:34:38.275 and

NOTE Confidence: 0.9879905

00:34:38.575 --> 00:34:40.594 aids to improve researchers' approach

NOTE Confidence: 0.9879905

00:34:40.655 --> 00:34:41.954 to examining mechanisms.

NOTE Confidence: 0.9936869

00:34:42.600 --> 00:34:44.360 I, didn't share this when

NOTE Confidence: 0.9936869

00:34:44.360 --> 00:34:45.320 I was reporting out on

NOTE Confidence: 0.9936869

00:34:45.320 --> 00:34:47.100 the systematic review of mechanisms,

NOTE Confidence: 0.9936869

00:34:47.160 --> 00:34:49.500 but it was really challenging

NOTE Confidence: 0.9936869

00:34:49.720 --> 00:34:51.340 for us as a research

NOTE Confidence: 0.9936869

00:34:51.400 --> 00:34:52.460 team to,

NOTE Confidence: 0.9983824

00:34:53.239 --> 00:34:53.739 synthesize

NOTE Confidence: 0.967778

00:34:54.040 --> 00:34:55.800 across those thirty nine studies

NOTE Confidence: 0.967778

00:34:55.800 --> 00:34:56.120 because,

NOTE Confidence: 0.99971247

00:34:57.575 --> 00:34:59.035 most of the

NOTE Confidence: 0.9835443

00:34:59.734 --> 00:35:01.114 studies and their

NOTE Confidence: 0.99154204

00:35:01.575 --> 00:35:03.654 authors conceptualize mechanisms in different

NOTE Confidence: 0.99154204

00:35:03.654 --> 00:35:05.494 ways and conceptualize the causal

NOTE Confidence: 0.99154204

00:35:05.494 --> 00:35:06.875 pathway in different ways.

NOTE Confidence: 0.9919957

00:35:07.494 --> 00:35:08.315 And so,

NOTE Confidence: 0.98571706

00:35:08.775 --> 00:35:10.214 that's just one piece of

NOTE Confidence: 0.98571706

00:35:10.214 --> 00:35:11.835 evidence or example that,

NOTE Confidence: 0.99916965

00:35:12.279 --> 00:35:14.279 having some alignment or harmony

NOTE Confidence: 0.99916965

00:35:14.279 --> 00:35:15.400 around how we're thinking about

NOTE Confidence: 0.99916965

00:35:15.400 --> 00:35:16.859 this could be really helpful

NOTE Confidence: 0.99916965

00:35:16.920 --> 00:35:17.739 moving forward.

NOTE Confidence: 0.9932388

00:35:18.759 --> 00:35:20.839 Another priority area on increasing

NOTE Confidence: 0.9932388

00:35:20.839 --> 00:35:22.599 the focus on theorizing. So

NOTE Confidence: 0.9932388

00:35:22.599 --> 00:35:24.359 there were twelve possible actions

NOTE Confidence: 0.9932388

00:35:24.359 --> 00:35:26.779 here for developing, incorporating, refining

NOTE Confidence: 0.9585224

00:35:27.414 --> 00:35:29.255 theory and mechanistic research to

NOTE Confidence: 0.9585224

00:35:29.255 --> 00:35:31.575 better characterize mechanisms, so making

NOTE Confidence: 0.9585224

00:35:31.575 --> 00:35:32.934 theory explicit even in the

NOTE Confidence: 0.9585224

00:35:32.934 --> 00:35:34.394 strategy design phase.

NOTE Confidence: 0.9624186

00:35:35.255 --> 00:35:36.535 And this is the last

NOTE Confidence: 0.9624186

00:35:36.535 --> 00:35:38.535 group. These were emergent actions,

NOTE Confidence: 0.9624186

00:35:38.535 --> 00:35:38.934 so they,

NOTE Confidence: 0.9837533

00:35:39.869 --> 00:35:40.609 were not

NOTE Confidence: 0.99968946

00:35:40.910 --> 00:35:42.529 similar to the challenges

NOTE Confidence: 0.97724044

00:35:42.829 --> 00:35:43.230 that,

NOTE Confidence: 0.97709346

00:35:43.789 --> 00:35:45.650 fed into the concept mapping.

NOTE Confidence: 0.97709346

00:35:45.869 --> 00:35:46.670 But the group,

NOTE Confidence: 0.9992882

00:35:47.069 --> 00:35:49.089 who articulated the research agenda

NOTE Confidence: 0.98159325

00:35:49.390 --> 00:35:50.750 said just how important it

NOTE Confidence: 0.98159325

00:35:50.750 --> 00:35:52.349 was to engage the policy

NOTE Confidence: 0.98159325

00:35:52.349 --> 00:35:53.569 and practice community,

NOTE Confidence: 0.99715614

00:35:54.114 --> 00:35:55.975 twelve possible actions there,

NOTE Confidence: 0.9888508

00:35:56.755 --> 00:35:57.655 for understanding,

NOTE Confidence: 0.995094

00:35:58.355 --> 00:36:00.135 the perspectives of these partners,

NOTE Confidence: 0.96265936

00:36:00.995 --> 00:36:02.215 using things like,

NOTE Confidence: 0.99908626

00:36:02.675 --> 00:36:03.175 implementation

NOTE Confidence: 0.93133014

00:36:03.475 --> 00:36:05.555 mapping, cognitive walk throughs to

NOTE Confidence: 0.93133014

00:36:05.555 --> 00:36:06.855 unpack or surface,

NOTE Confidence: 0.9810028

00:36:07.599 --> 00:36:09.599 mechanisms, really needing to plain

NOTE Confidence: 0.9810028

00:36:09.599 --> 00:36:10.900 language this space

NOTE Confidence: 0.983438

00:36:11.359 --> 00:36:12.739 in order for it to,

NOTE Confidence: 0.9984678

00:36:13.359 --> 00:36:15.280 be engaging and informed by

NOTE Confidence: 0.9984678

00:36:15.280 --> 00:36:16.400 the people who really have

NOTE Confidence: 0.9984678

00:36:16.400 --> 00:36:18.260 the expertise to do so.

NOTE Confidence: 0.94461286

00:36:20.474 --> 00:36:22.154 Another priority area around engaging

NOTE Confidence: 0.94461286

00:36:22.154 --> 00:36:23.194 funders and the need for

NOTE Confidence: 0.94461286

00:36:23.194 --> 00:36:24.555 funding, and so this comes

NOTE Confidence: 0.94461286

00:36:24.555 --> 00:36:26.174 from the mechanisms of expertise

NOTE Confidence: 0.94461286

00:36:26.394 --> 00:36:27.135 saying that,

NOTE Confidence: 0.9944687

00:36:27.755 --> 00:36:29.434 there are seventeen actions that

NOTE Confidence: 0.9944687

00:36:29.434 --> 00:36:30.795 could be happening in this

NOTE Confidence: 0.9944687

00:36:30.795 --> 00:36:31.295 space,

NOTE Confidence: 0.99018234

00:36:31.914 --> 00:36:33.674 to leverage or stand up

NOTE Confidence: 0.99018234

00:36:33.674 --> 00:36:34.494 new opportunities

NOTE Confidence: 0.9898502

00:36:35.180 --> 00:36:36.560 and then building capacity.

NOTE Confidence: 0.9721595

00:36:36.860 --> 00:36:39.360 So, seventeen actions offering

NOTE Confidence: 0.9884987

00:36:39.739 --> 00:36:41.120 clarification or guidance,

NOTE Confidence: 0.9845103

00:36:41.739 --> 00:36:43.180 and avenues to build the

NOTE Confidence: 0.9845103

00:36:43.180 --> 00:36:44.160 field's capacity.

NOTE Confidence: 0.98542666

00:36:44.620 --> 00:36:46.300 And then finally, just this

NOTE Confidence: 0.98542666

00:36:46.300 --> 00:36:47.840 huge emphasis on dissemination.

NOTE Confidence: 0.95082724

00:36:48.140 --> 00:36:48.640 So,

NOTE Confidence: 0.9482197

00:36:49.185 --> 00:36:50.785 several goals listed for you,

NOTE Confidence: 0.9482197

00:36:50.785 --> 00:36:52.545 seventeen actions in the table

NOTE Confidence: 0.9482197

00:36:52.545 --> 00:36:53.905 and the paper. There are

NOTE Confidence: 0.9482197

00:36:53.905 --> 00:36:56.145 specific manuscript ideas that,

NOTE Confidence: 0.9922611

00:36:56.705 --> 00:36:57.665 if you happen to be

NOTE Confidence: 0.9922611

00:36:57.665 --> 00:36:59.205 looking for a paper topic,

NOTE Confidence: 0.9922611

00:36:59.344 --> 00:37:00.465 they're in there for you

NOTE Confidence: 0.9922611

00:37:00.465 --> 00:37:01.125 to consider,

NOTE Confidence: 0.92088866

00:37:01.730 --> 00:37:03.829 but also suggestions around forums

NOTE Confidence: 0.92088866

00:37:03.969 --> 00:37:05.109 to host dialogue,

NOTE Confidence: 0.9987026

00:37:06.609 --> 00:37:07.809 you know, ways to engage

NOTE Confidence: 0.9987026

00:37:07.809 --> 00:37:08.309 journal

NOTE Confidence: 0.8510575

00:37:08.609 --> 00:37:09.349 editors, and

NOTE Confidence: 0.97393596

00:37:09.650 --> 00:37:11.489 failing faster with wisdom was

NOTE Confidence: 0.97393596

00:37:11.489 --> 00:37:12.549 a paper type,

NOTE Confidence: 0.96096194

00:37:13.089 --> 00:37:15.010 that the mechanisms network of

NOTE Confidence: 0.96096194

00:37:15.010 --> 00:37:16.665 expertise came up with. We

NOTE Confidence: 0.96096194

00:37:16.665 --> 00:37:18.285 so often missed the opportunity

NOTE Confidence: 0.96096194

00:37:18.585 --> 00:37:20.025 to learn from null studies,

NOTE Confidence: 0.96096194

00:37:20.025 --> 00:37:22.025 and couldn't we just make

NOTE Confidence: 0.96096194

00:37:22.025 --> 00:37:23.785 that an explicit priority, for

NOTE Confidence: 0.96096194

00:37:23.785 --> 00:37:24.285 example?

NOTE Confidence: 0.9863403

00:37:25.225 --> 00:37:25.725 So,

NOTE Confidence: 0.99174416

00:37:26.425 --> 00:37:27.885 true to form, our mechanisms

NOTE Confidence: 0.99174416

00:37:27.945 --> 00:37:29.880 network of expertise couldn't stop

NOTE Confidence: 0.99174416

00:37:29.880 --> 00:37:31.480 with just articulating the research

NOTE Confidence: 0.99174416

00:37:31.480 --> 00:37:32.680 agenda. Many of them have

NOTE Confidence: 0.99174416

00:37:32.680 --> 00:37:34.119 written papers that address some

NOTE Confidence: 0.99174416

00:37:34.119 --> 00:37:35.079 of the items on the

NOTE Confidence: 0.99174416

00:37:35.079 --> 00:37:37.000 research agenda. So we stood

NOTE Confidence: 0.99174416

00:37:37.000 --> 00:37:38.680 up a special collection across

NOTE Confidence: 0.99174416

00:37:38.680 --> 00:37:39.420 the two,

NOTE Confidence: 0.9851382

00:37:40.200 --> 00:37:42.359 sibling journals, implementation science and

NOTE Confidence: 0.9851382

00:37:42.359 --> 00:37:43.900 implementation science communications.

NOTE Confidence: 0.9732473

00:37:44.405 --> 00:37:45.844 It's an open special collection.

NOTE Confidence: 0.9732473

00:37:45.844 --> 00:37:46.805 So if you're doing work

NOTE Confidence: 0.9732473

00:37:46.805 --> 00:37:47.844 in this space, we hope

NOTE Confidence: 0.9732473

00:37:47.844 --> 00:37:48.505 you'll consider

NOTE Confidence: 0.99525744

00:37:48.964 --> 00:37:50.645 selecting that special collection from

NOTE Confidence: 0.99525744

00:37:50.645 --> 00:37:51.765 the drop down menu and

NOTE Confidence: 0.99525744

00:37:51.765 --> 00:37:53.704 submitting to it directly.

NOTE Confidence: 0.9556558

00:37:55.204 --> 00:37:56.805 And I wanted to feature

NOTE Confidence: 0.9556558

00:37:56.805 --> 00:37:58.005 an article that came out

NOTE Confidence: 0.9556558

00:37:58.005 --> 00:37:59.370 last month by the editors

NOTE Confidence: 0.84680915

00:38:00.650 --> 00:38:02.410 and associate editors, several of

NOTE Confidence: 0.84680915

00:38:02.410 --> 00:38:03.150 them from those two

NOTE Confidence: 0.85331005

00:38:03.450 --> 00:38:04.650 journals where they update the

NOTE Confidence: 0.85331005

00:38:04.650 --> 00:38:05.150 scope,

NOTE Confidence: 0.948437

00:38:05.690 --> 00:38:07.150 of those two journals. And

NOTE Confidence: 0.948437

00:38:07.210 --> 00:38:08.510 I I had to highlight

NOTE Confidence: 0.948437

00:38:08.650 --> 00:38:09.790 that among the,

NOTE Confidence: 0.9707436

00:38:10.250 --> 00:38:12.030 items included in the abstract

NOTE Confidence: 0.9707436

00:38:12.090 --> 00:38:13.370 was the import of the

NOTE Confidence: 0.9707436

00:38:13.370 --> 00:38:13.870 study

NOTE Confidence: 0.98068404

00:38:14.424 --> 00:38:15.085 of of implementation

NOTE Confidence: 0.9994266

00:38:15.704 --> 00:38:16.204 mechanisms.

NOTE Confidence: 0.9960953

00:38:17.145 --> 00:38:18.184 I'll wrap up with a

NOTE Confidence: 0.9960953

00:38:18.184 --> 00:38:19.005 few NHLBI

NOTE Confidence: 0.9629644

00:38:19.545 --> 00:38:20.045 specific,

NOTE Confidence: 0.9910507

00:38:20.664 --> 00:38:22.184 items for you. So,

NOTE Confidence: 0.9414689

00:38:22.585 --> 00:38:23.545 as you can see from

NOTE Confidence: 0.9414689

00:38:23.545 --> 00:38:25.005 my background, I sit,

NOTE Confidence: 0.9542666

00:38:25.704 --> 00:38:26.605 within NHLBI,

NOTE Confidence: 0.92132664

00:38:27.145 --> 00:38:28.940 specifically the Center for Translation

NOTE Confidence: 0.92132664

00:38:29.000 --> 00:38:30.859 Research and Implementation Science.

NOTE Confidence: 0.99884033

00:38:31.320 --> 00:38:32.600 And over the last year

NOTE Confidence: 0.99884033

00:38:32.600 --> 00:38:34.040 or so, we've been wrapping

NOTE Confidence: 0.99884033

00:38:34.040 --> 00:38:35.160 our arms around a ten

NOTE Confidence: 0.99884033

00:38:35.160 --> 00:38:35.900 year investment,

NOTE Confidence: 0.99250054

00:38:36.600 --> 00:38:37.260 in implementation

NOTE Confidence: 0.98604023

00:38:37.640 --> 00:38:39.800 science and making sense of

NOTE Confidence: 0.98604023

00:38:39.800 --> 00:38:40.619 our institute's

NOTE Confidence: 0.99138707

00:38:40.994 --> 00:38:42.855 contributions and that of other

NOTE Confidence: 0.99138707

00:38:42.914 --> 00:38:43.414 ICs,

NOTE Confidence: 0.9892333

00:38:43.875 --> 00:38:45.394 in the National Institutes of

NOTE Confidence: 0.9892333

00:38:45.394 --> 00:38:46.755 Health. And what you can

NOTE Confidence: 0.9892333

00:38:46.755 --> 00:38:47.714 see on the screen on

NOTE Confidence: 0.9892333

00:38:47.714 --> 00:38:49.174 the left here is that

NOTE Confidence: 0.9596692

00:38:49.795 --> 00:38:51.875 the proportion of NIH awards

NOTE Confidence: 0.9596692

00:38:51.875 --> 00:38:53.015 has grown substantially

NOTE Confidence: 0.99966145

00:38:53.394 --> 00:38:54.180 over the last

NOTE Confidence: 0.99824095

00:38:54.660 --> 00:38:56.020 ten years or so,

NOTE Confidence: 0.91890746

00:38:56.739 --> 00:38:58.920 which is very exciting. And

NOTE Confidence: 0.91890746

00:38:59.059 --> 00:38:59.559 NHLBI

NOTE Confidence: 0.96424073

00:38:59.940 --> 00:39:01.239 holds thirteen percent,

NOTE Confidence: 0.9996586

00:39:02.020 --> 00:39:03.559 share of all NIH

NOTE Confidence: 0.95529866

00:39:03.859 --> 00:39:06.180 implementation science awards with fourth,

NOTE Confidence: 0.95529866

00:39:06.500 --> 00:39:07.960 overall for total costs.

NOTE Confidence: 0.9863414

00:39:08.260 --> 00:39:09.000 It's an exciting

NOTE Confidence: 0.9785142

00:39:09.300 --> 00:39:10.555 trajectory to see. And then

NOTE Confidence: 0.9785142

00:39:10.555 --> 00:39:12.175 when we look within NHLBI,

NOTE Confidence: 0.99412745

00:39:12.955 --> 00:39:14.575 that trajectory of increase,

NOTE Confidence: 0.9988761

00:39:15.355 --> 00:39:17.215 is also evident. However,

NOTE Confidence: 0.9810629

00:39:18.235 --> 00:39:19.435 I think you'll find it

NOTE Confidence: 0.9810629

00:39:19.435 --> 00:39:21.195 staggering as do I that,

NOTE Confidence: 0.9810629

00:39:21.515 --> 00:39:22.255 the percent

NOTE Confidence: 0.99351484

00:39:22.635 --> 00:39:24.200 of our total cost for

NOTE Confidence: 0.99351484

00:39:24.200 --> 00:39:25.960 competing awards is about two

NOTE Confidence: 0.99351484

00:39:25.960 --> 00:39:26.460 percent

NOTE Confidence: 0.9975185

00:39:26.839 --> 00:39:27.900 focused on implementation

NOTE Confidence: 0.99882996

00:39:28.200 --> 00:39:30.200 science. So it's not just

NOTE Confidence: 0.99882996

00:39:30.200 --> 00:39:31.260 the study of implementation

NOTE Confidence: 0.97467345

00:39:31.640 --> 00:39:33.160 mechanisms that we need. It's

NOTE Confidence: 0.97467345

00:39:33.160 --> 00:39:33.660 implementation

NOTE Confidence: 0.9952752

00:39:33.960 --> 00:39:35.319 science more broadly, and we

NOTE Confidence: 0.9952752

00:39:35.319 --> 00:39:37.315 hope you'll consider targeting,

NOTE Confidence: 0.9996488

00:39:37.775 --> 00:39:38.275 NHLBI

NOTE Confidence: 0.99884933

00:39:38.575 --> 00:39:39.535 with some of your good

NOTE Confidence: 0.99884933

00:39:39.535 --> 00:39:40.434 grant ideas,

NOTE Confidence: 0.99981695

00:39:41.055 --> 00:39:42.094 in the coming months and

NOTE Confidence: 0.99981695

00:39:42.094 --> 00:39:42.594 years.

NOTE Confidence: 0.93748283

00:39:43.135 --> 00:39:44.815 So as I mentioned, just

NOTE Confidence: 0.93748283

00:39:44.815 --> 00:39:46.255 this week, the new program

NOTE Confidence: 0.93748283

00:39:46.255 --> 00:39:47.855 announcement has been released. I'm

NOTE Confidence: 0.93748283

00:39:47.855 --> 00:39:48.895 just showing you the r

NOTE Confidence: 0.93748283

00:39:48.895 --> 00:39:50.530 l one for for investigator

NOTE Confidence: 0.93748283

00:39:50.589 --> 00:39:52.830 initiated awards here, PAR twenty

NOTE Confidence: 0.93748283

00:39:52.830 --> 00:39:53.869 five one hundred and forty

NOTE Confidence: 0.93748283

00:39:53.869 --> 00:39:54.369 four.

NOTE Confidence: 0.9731035

00:39:54.670 --> 00:39:56.750 Again, US, US with foreign

NOTE Confidence: 0.9731035

00:39:56.750 --> 00:39:58.369 components, and foreign investigators

NOTE Confidence: 0.9600744

00:39:58.670 --> 00:39:59.890 can submit to this.

NOTE Confidence: 0.9811396

00:40:00.510 --> 00:40:01.790 And we're here for you.

NOTE Confidence: 0.9811396

00:40:01.790 --> 00:40:03.885 Right? So the our job

NOTE Confidence: 0.9811396

94

00:40:03.885 --> 00:40:05.645 is to be available for

NOTE Confidence: 0.9811396

00:40:05.645 --> 00:40:07.165 technical assistance is what we

NOTE Confidence: 0.9811396

00:40:07.165 --> 00:40:08.525 call it, to help you

NOTE Confidence: 0.9811396

00:40:08.525 --> 00:40:10.045 think through the ideas, their

NOTE Confidence: 0.9811396

00:40:10.045 --> 00:40:11.825 alignment with the various institutes,

NOTE Confidence: 0.9962391

00:40:12.765 --> 00:40:14.525 and responsiveness to the program

NOTE Confidence: 0.9962391

00:40:14.525 --> 00:40:15.985 announcements such as this.

NOTE Confidence: 0.9939102

00:40:16.580 --> 00:40:18.180 Donna shared that we're celebrating

NOTE Confidence: 0.9939102

00:40:18.180 --> 00:40:19.080 our tenth anniversary.

NOTE Confidence: 0.997289

00:40:19.540 --> 00:40:20.500 There's a lot of red

NOTE Confidence: 0.997289

00:40:20.500 --> 00:40:21.480 around me today.

NOTE Confidence: 0.9846654

00:40:21.780 --> 00:40:23.380 It's a hybrid event. And

NOTE Confidence: 0.9846654

00:40:23.380 --> 00:40:24.660 if you're interested, send me

NOTE Confidence: 0.9846654

00:40:24.660 --> 00:40:25.400 an email.

NOTE Confidence: 0.98039913

00:40:25.940 --> 00:40:26.980 There is going to be

NOTE Confidence: 0.98039913

00:40:26.980 --> 00:40:27.960 a cap, unfortunately,

NOTE Confidence: 0.99145585

00:40:28.340 --> 00:40:30.224 just given size of rooms

NOTE Confidence: 0.99145585

00:40:30.224 --> 00:40:31.984 and ability to host virtually,

NOTE Confidence: 0.99145585

00:40:31.984 --> 00:40:33.184 but you'll email me, and

NOTE Confidence: 0.99145585

00:40:33.184 --> 00:40:34.385 I'll I'll help you find

NOTE Confidence: 0.99145585

00:40:34.385 --> 00:40:35.045 your way.

NOTE Confidence: 0.9829419

00:40:35.664 --> 00:40:36.484 And lastly,

NOTE Confidence: 0.962696

00:40:37.265 --> 00:40:38.785 we're hiring, and there are

NOTE Confidence: 0.962696

00:40:38.785 --> 00:40:40.464 several opportunities if you're an

NOTE Confidence: 0.962696

00:40:40.464 --> 00:40:40.964 implementation

NOTE Confidence: 0.9960757

00:40:41.344 --> 00:40:43.260 scientist looking to have a

NOTE Confidence: 0.9960757

00:40:43.260 --> 00:40:44.540 seat at the table and

NOTE Confidence: 0.9960757

00:40:44.540 --> 00:40:45.680 contribute to,

NOTE Confidence: 0.92928493

00:40:46.300 --> 00:40:46.780 the,

NOTE Confidence: 0.9968532

00:40:47.260 --> 00:40:48.719 strategic vision implementation

NOTE Confidence: 0.9991364

00:40:49.020 --> 00:40:50.300 plan for this work at

NOTE Confidence: 0.9991364

00:40:50.300 --> 00:40:50.800 NHLBI.

NOTE Confidence: 0.9946925

00:40:52.140 --> 00:40:53.420 And if you wanna stay

NOTE Confidence: 0.9946925

00:40:53.420 --> 00:40:55.200 abreast of when those opportunities

NOTE Confidence: 0.9946925

00:40:55.260 --> 00:40:56.960 emerge, follow us on LinkedIn.

NOTE Confidence: 0.91292995

00:40:58.445 --> 00:41:00.285 NIH largely has moved away

NOTE Confidence: 0.91292995

00:41:00.285 --> 00:41:02.285 from Twitter and accent is

NOTE Confidence: 0.91292995

00:41:02.285 --> 00:41:03.805 finding our new social media

NOTE Confidence: 0.91292995

00:41:03.805 --> 00:41:04.864 home in LinkedIn,

NOTE Confidence: 0.9852468

00:41:05.245 --> 00:41:07.165 and this is the, Citrus

NOTE Confidence: 0.9852468

00:41:07.165 --> 00:41:09.005 official page here. So on

NOTE Confidence: 0.9852468

00:41:09.005 --> 00:41:10.440 that note, thank you so

NOTE Confidence: 0.9852468

00:41:10.440 --> 00:41:11.719 much for hanging in there

NOTE Confidence: 0.9852468

00:41:11.719 --> 00:41:13.080 with me. It's a super

NOTE Confidence: 0.9852468

00:41:13.080 --> 00:41:14.760 nerdy topic. Hopefully, I made

NOTE Confidence: 0.9852468

00:41:14.760 --> 00:41:16.680 it accessible, but now is

NOTE Confidence: 0.9852468

00:41:16.680 --> 00:41:17.820 our chance to dialogue.

NOTE Confidence: 0.92933947

00:41:19.871 --> 00:41:21.710 Yeah. Thanks very much, Kara.

NOTE Confidence: 0.92933947

00:41:21.710 --> 00:41:22.991 That was a really excellent

NOTE Confidence: 0.92933947

00:41:22.991 --> 00:41:23.491 comprehensive

NOTE Confidence: 0.9358424

00:41:23.951 --> 00:41:25.390 talk that covered a lot

NOTE Confidence: 0.9358424

00:41:25.390 --> 00:41:27.231 of the key points, so

NOTE Confidence: 0.9358424

00:41:27.231 --> 00:41:28.576 we really appreciate it.