

WEBVTT

NOTE duration:"01:14:32.3520000"

NOTE language:en-us

NOTE Confidence: 0.8400114999999999

00:00:00.000 --> 00:00:03.227 And send my regards to Mark Mark's

NOTE Confidence: 0.8400114999999999

00:00:03.227 --> 00:00:07.684 Mark and I met on the interview trail

NOTE Confidence: 0.8400114999999999

00:00:07.684 --> 00:00:10.654 for residency and were resident

NOTE Confidence: 0.8400114999999999

00:00:10.759 --> 00:00:14.700 classmates here at Yale and have been

NOTE Confidence: 0.8400114999999999

00:00:14.700 --> 00:00:18.080 good friends ever since that time.

NOTE Confidence: 0.8400114999999999

00:00:18.080 --> 00:00:20.220 So it's really wonderful.

NOTE Confidence: 0.8400114999999999

00:00:20.220 --> 00:00:23.958 Plus, as everybody on the call knows,

NOTE Confidence: 0.8400114999999999

00:00:23.960 --> 00:00:26.640 his major contribution to the

NOTE Confidence: 0.8400114999999999

00:00:26.640 --> 00:00:30.390 field of psychiatry is parenting.

NOTE Confidence: 0.8400114999999999

00:00:30.390 --> 00:00:33.159 Emily are wonderful.

NOTE Confidence: 0.8189158

00:00:35.740 --> 00:00:38.146 Trainee here at Yale Emily Austin,

NOTE Confidence: 0.8189158

00:00:38.150 --> 00:00:40.160 who's who's been a wonderful

NOTE Confidence: 0.8189158

00:00:40.160 --> 00:00:42.572 addition to our Department as well,

NOTE Confidence: 0.8189158

00:00:42.572 --> 00:00:46.594 but I did want to share some very good news,

NOTE Confidence: 0.8189158

00:00:46.594 --> 00:00:48.198 which is that U.S.

NOTE Confidence: 0.8189158

00:00:48.200 --> 00:00:51.553 news and World Report issued their rankings

NOTE Confidence: 0.8189158

00:00:51.553 --> 00:00:55.108 of medical school departments of psychiatry.

NOTE Confidence: 0.8189158

00:00:55.110 --> 00:00:59.808 Which in which Yale Place #1.

NOTE Confidence: 0.8189158

00:00:59.810 --> 00:01:05.090 So. You know, these polls are

NOTE Confidence: 0.8189158

00:01:05.090 --> 00:01:08.760 always of of somewhat uncertain.

NOTE Confidence: 0.8189158

00:01:08.760 --> 00:01:10.086 Meaning and value,

NOTE Confidence: 0.8189158

00:01:10.086 --> 00:01:13.188 but it's always nice to be #1

NOTE Confidence: 0.8189158

00:01:13.188 --> 00:01:14.956 and so congratulations everyone.

NOTE Confidence: 0.8189158

00:01:14.960 --> 00:01:18.411 This is obviously an achievement of a

NOTE Confidence: 0.8189158

00:01:18.411 --> 00:01:21.706 community and and a mark of of really

NOTE Confidence: 0.8189158

00:01:21.706 --> 00:01:24.712 the incredible work that's going on here.

NOTE Confidence: 0.8189158

00:01:24.712 --> 00:01:27.370 So congratulations to everybody and Bob,

NOTE Confidence: 0.8189158

00:01:27.370 --> 00:01:31.348 I'll pass it to you to introduce Mark today.

NOTE Confidence: 0.8638281

00:01:31.350 --> 00:01:33.985 OK, so it's a pleasure

NOTE Confidence: 0.8638281

00:01:33.985 --> 00:01:36.093 to introduce Mark Olson.  
NOTE Confidence: 0.8638281

00:01:36.100 --> 00:01:38.452 Who is Elizabeth K Dollard professor  
NOTE Confidence: 0.8638281

00:01:38.452 --> 00:01:40.535 of psychiatry at Columbia and  
NOTE Confidence: 0.8638281

00:01:40.535 --> 00:01:42.307 among his many accomplishments,  
NOTE Confidence: 0.8638281

00:01:42.310 --> 00:01:46.278 he's listed as one of the most important  
NOTE Confidence: 0.8638281

00:01:46.278 --> 00:01:48.428 scientific contributors in the world  
NOTE Confidence: 0.8638281

00:01:48.428 --> 00:01:50.927 by some award system an I thought  
NOTE Confidence: 0.8638281

00:01:51.006 --> 00:01:53.484 I'd say a little bit about Mark.  
NOTE Confidence: 0.8638281

00:01:53.490 --> 00:01:55.278 He came from Chicago.  
NOTE Confidence: 0.8638281

00:01:55.278 --> 00:01:58.740 And then traveled West to Reed College,  
NOTE Confidence: 0.8638281

00:01:58.740 --> 00:02:02.610 where he missed Steve Jobs by a few years.  
NOTE Confidence: 0.8638281

00:02:02.610 --> 00:02:05.620 He was a little after Steve Jobs,  
NOTE Confidence: 0.8638281

00:02:05.620 --> 00:02:09.295 but he was just telling us how  
NOTE Confidence: 0.8638281

00:02:09.295 --> 00:02:11.961 there was shenanigans going on  
NOTE Confidence: 0.8638281

00:02:11.961 --> 00:02:15.412 near his room from the job's orbit.  
NOTE Confidence: 0.8638281

00:02:15.420 --> 00:02:17.130 Steve Jobs, as you know,

NOTE Confidence: 0.8638281

00:02:17.130 --> 00:02:19.230 when East after after staying it

NOTE Confidence: 0.8638281

00:02:19.230 --> 00:02:21.615 read for six months when East to

NOTE Confidence: 0.8638281

00:02:21.615 --> 00:02:23.624 India to have his Guru experience.

NOTE Confidence: 0.8638281

00:02:23.624 --> 00:02:26.018 Mark also went E 1st to Chicago,

NOTE Confidence: 0.8638281

00:02:26.020 --> 00:02:28.048 stopping off briefly to get an

NOTE Confidence: 0.8638281

00:02:28.048 --> 00:02:30.148 MD and then finally arrived at

NOTE Confidence: 0.8638281

00:02:30.148 --> 00:02:32.176 Yale where he was a resident.

NOTE Confidence: 0.8638281

00:02:32.180 --> 00:02:36.708 One of our best residents at the time.

NOTE Confidence: 0.8638281

00:02:36.710 --> 00:02:40.230 And then he embarked on a remarkable journey

NOTE Confidence: 0.8638281

00:02:40.230 --> 00:02:43.778 where he went to Columbia to get an MPH,

NOTE Confidence: 0.8638281

00:02:43.780 --> 00:02:45.860 and then a postdoc with

NOTE Confidence: 0.8638281

00:02:45.860 --> 00:02:47.524 David Mechanic at Rutgers.

NOTE Confidence: 0.8638281

00:02:47.530 --> 00:02:50.830 And I would say he is now the leading mental

NOTE Confidence: 0.8638281

00:02:50.913 --> 00:02:53.768 health services researcher in America.

NOTE Confidence: 0.8638281

00:02:53.770 --> 00:02:55.850 And I would also say,

NOTE Confidence: 0.8638281

00:02:55.850 --> 00:02:56.680 I think,  
NOTE Confidence: 0.8638281

00:02:56.680 --> 00:02:58.340 with not much exaggeration,  
NOTE Confidence: 0.8638281

00:02:58.340 --> 00:03:01.742 that he knows more about mental health  
NOTE Confidence: 0.8638281

00:03:01.742 --> 00:03:04.828 care in America than anyone else.  
NOTE Confidence: 0.8638281

00:03:04.830 --> 00:03:07.686 And I would say both substantively,  
NOTE Confidence: 0.8638281

00:03:07.690 --> 00:03:10.570 he has contributed to so many  
NOTE Confidence: 0.8638281

00:03:10.570 --> 00:03:12.490 areas documenting the expansion  
NOTE Confidence: 0.8638281

00:03:12.568 --> 00:03:14.848 of the use of antipsychotics.  
NOTE Confidence: 0.8638281

00:03:14.850 --> 00:03:17.230 The limited use of ECT.  
NOTE Confidence: 0.8638281

00:03:17.230 --> 00:03:19.660 He's followed the impact of insurance  
NOTE Confidence: 0.8638281

00:03:19.660 --> 00:03:22.480 on the use of buprenorphine.  
NOTE Confidence: 0.8638281

00:03:22.480 --> 00:03:24.344 He studied suicide nationwide,  
NOTE Confidence: 0.8638281

00:03:24.344 --> 00:03:27.140 showing its limited use studied the  
NOTE Confidence: 0.8638281

00:03:27.213 --> 00:03:30.105 impact of discharge planning on outcomes,  
NOTE Confidence: 0.8638281

00:03:30.110 --> 00:03:32.290 the Association of Psychiatric  
NOTE Confidence: 0.8638281

00:03:32.290 --> 00:03:35.015 diagnosis with deaths from Covid.

NOTE Confidence: 0.8638281

00:03:35.020 --> 00:03:36.892 And those are just his papers

NOTE Confidence: 0.8638281

00:03:36.892 --> 00:03:38.140 that are in press.

NOTE Confidence: 0.8638281

00:03:38.140 --> 00:03:40.226 Let alone the other 500 that are

NOTE Confidence: 0.8638281

00:03:40.226 --> 00:03:42.079 that have already been published,

NOTE Confidence: 0.8638281

00:03:42.080 --> 00:03:44.290 and that those who read.

NOTE Confidence: 0.8638281

00:03:44.290 --> 00:03:47.098 Of what's now called JAMA Psychiatry.

NOTE Confidence: 0.8638281

00:03:47.100 --> 00:03:52.446 Get to see what he's doing every every month.

NOTE Confidence: 0.8638281

00:03:52.450 --> 00:03:55.460 I just want to use this as a teachable

NOTE Confidence: 0.8638281

00:03:55.460 --> 00:03:57.280 moment to say something about.

NOTE Confidence: 0.8638281

00:03:57.280 --> 00:03:59.304 Mental health services research,

NOTE Confidence: 0.8638281

00:03:59.304 --> 00:04:02.340 which is the study of how

NOTE Confidence: 0.8638281

00:04:02.434 --> 00:04:05.230 services are actually delivered.

NOTE Confidence: 0.8638281

00:04:05.230 --> 00:04:08.070 It's a merger of psychiatry,

NOTE Confidence: 0.8638281

00:04:08.070 --> 00:04:10.314 mental health and Epidemiology.

NOTE Confidence: 0.8638281

00:04:10.314 --> 00:04:13.680 Anne relies on a 30,000 foot

NOTE Confidence: 0.8638281

00:04:13.774 --> 00:04:16.859 perspective of the whole country.  
NOTE Confidence: 0.8638281

00:04:16.860 --> 00:04:20.038 And Mark has mastered this an I  
NOTE Confidence: 0.8638281

00:04:20.038 --> 00:04:23.580 think is the leader in this area.  
NOTE Confidence: 0.8638281

00:04:23.580 --> 00:04:24.812 And without further ado,  
NOTE Confidence: 0.8638281

00:04:24.812 --> 00:04:28.128 I pass it on to him to talk about  
NOTE Confidence: 0.8638281

00:04:28.128 --> 00:04:29.992 socioeconomic adversity and depths  
NOTE Confidence: 0.8638281

00:04:29.992 --> 00:04:32.482 of despair. Take it away, Mark.  
NOTE Confidence: 0.8638281

00:04:32.482 --> 00:04:32.870 Well,  
NOTE Confidence: 0.8638281

00:04:32.870 --> 00:04:33.260 thank  
NOTE Confidence: 0.85012317

00:04:33.260 --> 00:04:36.530 you Bob for that exceedingly generous.  
NOTE Confidence: 0.85012317

00:04:36.530 --> 00:04:38.230 Introduction I mean, I'm tempted  
NOTE Confidence: 0.85012317

00:04:38.230 --> 00:04:40.549 even not to talk after that one,  
NOTE Confidence: 0.85012317

00:04:40.550 --> 00:04:42.230 but just like I said,  
NOTE Confidence: 0.85012317

00:04:42.230 --> 00:04:44.989 but thank you so much, Bob and John.  
NOTE Confidence: 0.85012317

00:04:44.989 --> 00:04:47.167 Congratulations on the number one ranking  
NOTE Confidence: 0.85012317

00:04:47.167 --> 00:04:49.598 in in the US News and World Report.

NOTE Confidence: 0.85012317

00:04:49.600 --> 00:04:50.936 Psychiatry. That's that's really

NOTE Confidence: 0.85012317

00:04:50.936 --> 00:04:51.938 an impressive accomplishment,

NOTE Confidence: 0.85012317

00:04:51.940 --> 00:04:53.620 but not a surprising one.

NOTE Confidence: 0.85012317

00:04:53.620 --> 00:04:55.958 Given the many strengths of your Department.

NOTE Confidence: 0.85012317

00:04:55.960 --> 00:04:58.011 So it's, you know it's very nice

NOTE Confidence: 0.85012317

00:04:58.011 --> 00:05:00.318 to be be here with everyone.

NOTE Confidence: 0.85012317

00:05:00.320 --> 00:05:01.656 And as Bob mentioned,

NOTE Confidence: 0.85012317

00:05:01.656 --> 00:05:04.004 many years ago, I was a resident.

NOTE Confidence: 0.85012317

00:05:04.004 --> 00:05:06.398 Yeah, I had the really good fortune

NOTE Confidence: 0.85012317

00:05:06.398 --> 00:05:08.140 to receive great mentoring then.

NOTE Confidence: 0.85012317

00:05:08.140 --> 00:05:10.359 And it it gave me the confidence

NOTE Confidence: 0.85012317

00:05:10.359 --> 00:05:12.412 to pursue my developing interests

NOTE Confidence: 0.85012317

00:05:12.412 --> 00:05:14.476 in in medical services,

NOTE Confidence: 0.85012317

00:05:14.480 --> 00:05:17.007 research and and so now many years

NOTE Confidence: 0.85012317

00:05:17.007 --> 00:05:19.230 later is John has mentioned,

NOTE Confidence: 0.85012317



00:05:19.230 --> 00:05:21.600 you know, I my daughter Emily.  
NOTE Confidence: 0.85012317

00:05:21.600 --> 00:05:23.470 I've had the gratifying vicarious  
NOTE Confidence: 0.85012317

00:05:23.470 --> 00:05:25.340 experience through her of as  
NOTE Confidence: 0.85012317

00:05:25.403 --> 00:05:27.019 she's received really wonderful  
NOTE Confidence: 0.85012317

00:05:27.019 --> 00:05:29.443 mentoring from Tom Fernandez in for  
NOTE Confidence: 0.85012317

00:05:29.508 --> 00:05:31.498 Michael Black from Larry Vigilon,  
NOTE Confidence: 0.85012317

00:05:31.500 --> 00:05:34.279 Owen and many others within your Department.  
NOTE Confidence: 0.85012317

00:05:34.280 --> 00:05:37.542 So I know that that old tradition  
NOTE Confidence: 0.85012317

00:05:37.542 --> 00:05:38.940 of supportive mentoring.  
NOTE Confidence: 0.85012317

00:05:38.940 --> 00:05:41.308 Is you know he's alive and well at.  
NOTE Confidence: 0.85012317

00:05:41.310 --> 00:05:42.168 You know psychiatry.  
NOTE Confidence: 0.85012317

00:05:42.168 --> 00:05:44.560 And actually before I get to my truck,  
NOTE Confidence: 0.85012317

00:05:44.560 --> 00:05:46.520 I wanted to dress for a moment on  
NOTE Confidence: 0.85012317

00:05:46.520 --> 00:05:47.976 this theme of mentoring because  
NOTE Confidence: 0.85012317

00:05:47.976 --> 00:05:50.083 I've entered a stage of my career  
NOTE Confidence: 0.85012317

00:05:50.145 --> 00:05:51.790 where measuring it really has

NOTE Confidence: 0.85012317

00:05:51.790 --> 00:05:53.435 become quite important to me.

NOTE Confidence: 0.81499577

00:05:55.570 --> 00:05:58.234 Those of you may have learned in about the

NOTE Confidence: 0.81499577

00:05:58.234 --> 00:06:00.550 ancient Greeks in high school or college.

NOTE Confidence: 0.81499577

00:06:00.550 --> 00:06:02.105 You may remember the word

NOTE Confidence: 0.81499577

00:06:02.105 --> 00:06:03.349 mentor descends to us.

NOTE Confidence: 0.81499577

00:06:03.350 --> 00:06:05.210 Actually from the Odyssey when Odysseus,

NOTE Confidence: 0.81499577

00:06:05.210 --> 00:06:07.254 the King of Ithaca, was preparing to

NOTE Confidence: 0.81499577

00:06:07.254 --> 00:06:09.568 set sail and joining the Trojan War,

NOTE Confidence: 0.81499577

00:06:09.570 --> 00:06:11.738 and he knew it would take him away

NOTE Confidence: 0.81499577

00:06:11.738 --> 00:06:13.920 from his family for several years.

NOTE Confidence: 0.81499577

00:06:13.920 --> 00:06:16.488 He turned to his old friend mentor and

NOTE Confidence: 0.81499577

00:06:16.488 --> 00:06:19.210 you trust him to care for his young son.

NOTE Confidence: 0.81499577

00:06:19.210 --> 00:06:20.690 Telemachus. Now in the Odyssey

NOTE Confidence: 0.81499577

00:06:20.690 --> 00:06:22.630 there's a Greek word called napeo's,

NOTE Confidence: 0.81499577

00:06:22.630 --> 00:06:23.584 which means disconnected,

NOTE Confidence: 0.81499577

00:06:23.584 --> 00:06:25.174 that is used to describe.  
NOTE Confidence: 0.81499577

00:06:25.180 --> 00:06:27.244 Telemachus, and it turns out it  
NOTE Confidence: 0.81499577

00:06:27.244 --> 00:06:29.095 turns out that Telemachus was  
NOTE Confidence: 0.81499577

00:06:29.095 --> 00:06:31.155 disconnected from his ancestral past,  
NOTE Confidence: 0.81499577

00:06:31.160 --> 00:06:33.582 so when in his father's absence the  
NOTE Confidence: 0.81499577

00:06:33.582 --> 00:06:36.028 suitors started to pillage their estate,  
NOTE Confidence: 0.81499577

00:06:36.030 --> 00:06:38.295 and so his mother, Queen, Penelope's,  
NOTE Confidence: 0.81499577

00:06:38.295 --> 00:06:40.665 hand in marriage to him because  
NOTE Confidence: 0.81499577

00:06:40.665 --> 00:06:42.379 he didn't really get it.  
NOTE Confidence: 0.81499577

00:06:42.380 --> 00:06:44.624 He didn't really appreciate the gravity  
NOTE Confidence: 0.81499577

00:06:44.624 --> 00:06:46.498 of this threat, but Fortunately,  
NOTE Confidence: 0.81499577

00:06:46.498 --> 00:06:48.368 mentor, actually it's it's Athena,  
NOTE Confidence: 0.81499577

00:06:48.370 --> 00:06:50.240 in the guise of mentor.  
NOTE Confidence: 0.81499577

00:06:50.240 --> 00:06:52.478 Appears to Telemachus Anna part imparts  
NOTE Confidence: 0.81499577

00:06:52.478 --> 00:06:55.550 to him that great Greek virtue of menace.  
NOTE Confidence: 0.81499577

00:06:55.550 --> 00:06:55.831 Meanness,

NOTE Confidence: 0.81499577

00:06:55.831 --> 00:06:57.517 which means putting wisdom into action.

NOTE Confidence: 0.81499577

00:06:57.520 --> 00:06:58.624 Now I'm not gonna,

NOTE Confidence: 0.81499577

00:06:58.624 --> 00:07:01.188 I'm not gonna ruin the rest of this story.

NOTE Confidence: 0.81499577

00:07:01.190 --> 00:07:03.382 For those of you who haven't read the

NOTE Confidence: 0.81499577

00:07:03.382 --> 00:07:05.697 Odyssey or haven't read it in many years.

NOTE Confidence: 0.81499577

00:07:05.700 --> 00:07:07.674 But my point is the great mentoring,

NOTE Confidence: 0.81499577

00:07:07.680 --> 00:07:07.984 then,

NOTE Confidence: 0.81499577

00:07:07.984 --> 00:07:09.504 is now involves giving people

NOTE Confidence: 0.81499577

00:07:09.504 --> 00:07:11.125 the wisdom to become effectively

NOTE Confidence: 0.81499577

00:07:11.125 --> 00:07:13.219 engaged in the world around them.

NOTE Confidence: 0.81499577

00:07:13.220 --> 00:07:15.416 And so after all these years,

NOTE Confidence: 0.81499577

00:07:15.420 --> 00:07:17.610 and it's been quite a few,

NOTE Confidence: 0.81499577

00:07:17.610 --> 00:07:19.860 I'm still grateful for the mentoring

NOTE Confidence: 0.81499577

00:07:19.860 --> 00:07:22.475 that I received as a resident yell

NOTE Confidence: 0.81499577

00:07:22.475 --> 00:07:24.563 from Bob and from many others.

NOTE Confidence: 0.81499577

00:07:24.570 --> 00:07:27.125 So please, except for me a very,  
NOTE Confidence: 0.81499577

00:07:27.130 --> 00:07:29.685 very belated thank you Now this morning,  
NOTE Confidence: 0.81499577

00:07:29.690 --> 00:07:32.618 as you see from my title slide here,  
NOTE Confidence: 0.81499577

00:07:32.620 --> 00:07:35.416 I'm going to be discussing connections  
NOTE Confidence: 0.81499577

00:07:35.416 --> 00:07:36.814 between socioeconomic adversity.  
NOTE Confidence: 0.81499577

00:07:36.820 --> 00:07:39.228 On the one hand, in deaths of despair,  
NOTE Confidence: 0.81499577

00:07:39.230 --> 00:07:40.730 by which I mean suicide,  
NOTE Confidence: 0.81499577

00:07:40.730 --> 00:07:42.536 drug overdose in chronic liver disease,  
NOTE Confidence: 0.81499577

00:07:42.540 --> 00:07:43.359 on the other,  
NOTE Confidence: 0.81499577

00:07:43.359 --> 00:07:44.724 because of my interest in  
NOTE Confidence: 0.81499577

00:07:44.724 --> 00:07:46.149 Epidemiology and medical services,  
NOTE Confidence: 0.81499577

00:07:46.150 --> 00:07:48.257 I'm going to be showing you many,  
NOTE Confidence: 0.81499577

00:07:48.260 --> 00:07:50.060 many numbers this morning, but no,  
NOTE Confidence: 0.81499577

00:07:50.060 --> 00:07:53.938 but I want you to know this.  
NOTE Confidence: 0.81499577

00:07:53.940 --> 00:07:56.164 These numbers can tell us what it feels  
NOTE Confidence: 0.81499577

00:07:56.164 --> 00:07:58.438 like to be poor or to be unemployed.

NOTE Confidence: 0.81499577

00:07:58.440 --> 00:08:00.260 They can't tell us what it feels

NOTE Confidence: 0.81499577

00:08:00.260 --> 00:08:02.368 like to be in a suicidal crisis,

NOTE Confidence: 0.81499577

00:08:02.370 --> 00:08:05.628 or to lose a loved one to drug overdose.

NOTE Confidence: 0.81499577

00:08:05.630 --> 00:08:06.886 At at past I,

NOTE Confidence: 0.81499577

00:08:06.886 --> 00:08:08.770 I hope that my presentation and

NOTE Confidence: 0.81499577

00:08:08.844 --> 00:08:11.916 will give you a sense and maybe a

NOTE Confidence: 0.81499577

00:08:11.916 --> 00:08:13.867 quantitative sentence only of how

NOTE Confidence: 0.81499577

00:08:13.867 --> 00:08:16.087 important it is to consider the

NOTE Confidence: 0.81499577

00:08:16.087 --> 00:08:17.554 difficult socioeconomic circumstances.

NOTE Confidence: 0.81499577

00:08:17.554 --> 00:08:20.836 Under which many of our patients

NOTE Confidence: 0.81499577

00:08:20.836 --> 00:08:25.608 live out their lives. So here is.

NOTE Confidence: 0.81499577

00:08:25.610 --> 00:08:29.040 Here's a list of my potential conflicts.

NOTE Confidence: 0.81499577

00:08:29.040 --> 00:08:31.692 These are organizations, Playstations,

NOTE Confidence: 0.81499577

00:08:31.692 --> 00:08:35.007 from which I've received income

NOTE Confidence: 0.81499577

00:08:35.007 --> 00:08:37.800 over the past few years now.

NOTE Confidence: 0.81499577

00:08:37.800 --> 00:08:40.038 I will consider for related themes

NOTE Confidence: 0.81499577

00:08:40.038 --> 00:08:42.808 that you see on this slide here.

NOTE Confidence: 0.81499577

00:08:42.810 --> 00:08:43.193 First,

NOTE Confidence: 0.81499577

00:08:43.193 --> 00:08:45.108 I'll briefly provide some historical

NOTE Confidence: 0.81499577

00:08:45.108 --> 00:08:47.040 context for the general topic.

NOTE Confidence: 0.81499577

00:08:47.040 --> 00:08:49.356 Then I'll review some recent analysis

NOTE Confidence: 0.81499577

00:08:49.356 --> 00:08:51.339 of associations between markers of

NOTE Confidence: 0.81499577

00:08:51.339 --> 00:08:52.859 socioeconomic adversity and risks

NOTE Confidence: 0.81499577

00:08:52.859 --> 00:08:54.759 of death from suicide poisoning

NOTE Confidence: 0.81499577

00:08:54.822 --> 00:08:56.667 and chronic liver disease course.

NOTE Confidence: 0.8421623

00:08:56.670 --> 00:08:58.860 Most of those chronic liver disease

NOTE Confidence: 0.8421623

00:08:58.860 --> 00:09:00.900 deaths involved alcohol use disorder,

NOTE Confidence: 0.8421623

00:09:00.900 --> 00:09:02.760 and then I'm going to consider

NOTE Confidence: 0.8421623

00:09:02.760 --> 00:09:04.566 the extent to which overdoses

NOTE Confidence: 0.8421623

00:09:04.566 --> 00:09:06.578 overdose deaths involving opioids

NOTE Confidence: 0.8421623

00:09:06.578 --> 00:09:08.590 are actually suicidal intent.

NOTE Confidence: 0.8421623

00:09:08.590 --> 00:09:11.012 And finally, I'm going to close with

NOTE Confidence: 0.8421623

00:09:11.012 --> 00:09:13.538 a few words about some work that

NOTE Confidence: 0.8421623

00:09:13.538 --> 00:09:16.123 I'm hoping to carry out over the

NOTE Confidence: 0.8421623

00:09:16.123 --> 00:09:18.457 next several years now in awareness

NOTE Confidence: 0.8421623

00:09:18.457 --> 00:09:20.734 that health is intimately linked to

NOTE Confidence: 0.8421623

00:09:20.734 --> 00:09:22.206 social and economic circumstances.

NOTE Confidence: 0.8421623

00:09:22.210 --> 00:09:24.238 It wasn't introduced by Anne Case

NOTE Confidence: 0.8421623

00:09:24.238 --> 00:09:26.450 and Angus Deaton and their well

NOTE Confidence: 0.8421623

00:09:26.450 --> 00:09:28.425 known article in the Proceedings

NOTE Confidence: 0.8421623

00:09:28.425 --> 00:09:30.389 of National Academy of Sciences

NOTE Confidence: 0.8421623

00:09:30.389 --> 00:09:32.531 Back in 2015 on rising mortality

NOTE Confidence: 0.8421623

00:09:32.531 --> 00:09:34.399 among middle aged white Americans.

NOTE Confidence: 0.8421623

00:09:34.399 --> 00:09:37.080 Many of the concepts undergirding when I

NOTE Confidence: 0.8421623

00:09:37.146 --> 00:09:39.618 call their deaths of despair hypothesis.

NOTE Confidence: 0.8421623

00:09:39.620 --> 00:09:42.092 Have deep historical roots and sociological

NOTE Confidence: 0.8421623



00:09:42.092 --> 00:09:44.108 sociological research and have even  
NOTE Confidence: 0.8421623

00:09:44.108 --> 00:09:45.944 found their way into popular culture  
NOTE Confidence: 0.8421623

00:09:45.944 --> 00:09:48.038 over the past couple of centuries.  
NOTE Confidence: 0.8421623

00:09:48.040 --> 00:09:51.656 In Europe and here in the United States.  
NOTE Confidence: 0.8421623

00:09:51.660 --> 00:09:53.920 So let's begin with the  
NOTE Confidence: 0.8421623

00:09:53.920 --> 00:09:56.180 consideration of this man here,  
NOTE Confidence: 0.8421623

00:09:56.180 --> 00:09:56.970 Rudolf workout.  
NOTE Confidence: 0.8421623

00:09:56.970 --> 00:10:00.130 Now he was he was a German physician.  
NOTE Confidence: 0.8421623

00:10:00.130 --> 00:10:02.714 And there's a part he was a pathologist,  
NOTE Confidence: 0.8421623

00:10:02.720 --> 00:10:04.340 a politician, a public health  
NOTE Confidence: 0.8421623

00:10:04.340 --> 00:10:05.960 reformer and a social activist,  
NOTE Confidence: 0.8421623

00:10:05.960 --> 00:10:07.488 and he had very.  
NOTE Confidence: 0.8421623

00:10:07.488 --> 00:10:10.520 He's also an outspoken advocate for the poor.  
NOTE Confidence: 0.8421623

00:10:10.520 --> 00:10:12.055 His writings are filled with  
NOTE Confidence: 0.8421623

00:10:12.055 --> 00:10:13.590 recommendations on how to improve  
NOTE Confidence: 0.8421623

00:10:13.646 --> 00:10:15.601 people's health by improving their

NOTE Confidence: 0.8421623

00:10:15.601 --> 00:10:17.165 economic and material circumstances.

NOTE Confidence: 0.8421623

00:10:17.170 --> 00:10:18.885 He advocated things like rationalizing

NOTE Confidence: 0.8421623

00:10:18.885 --> 00:10:20.257 the food distribution and

NOTE Confidence: 0.8421623

00:10:20.257 --> 00:10:21.720 reforming the educational system.

NOTE Confidence: 0.8421623

00:10:21.720 --> 00:10:24.060 He wrote about expanding the political

NOTE Confidence: 0.8421623

00:10:24.060 --> 00:10:25.620 enfranchisement and reducing military

NOTE Confidence: 0.8421623

00:10:25.679 --> 00:10:27.075 expenditures which irritated the

NOTE Confidence: 0.8421623

00:10:27.075 --> 00:10:28.820 heck out of Chancellor Bismarck

NOTE Confidence: 0.8421623

00:10:28.820 --> 00:10:30.816 and actually lead almost to a dual.

NOTE Confidence: 0.8421623

00:10:30.820 --> 00:10:32.530 There's a funny story about

NOTE Confidence: 0.8421623

00:10:32.530 --> 00:10:34.670 that that if we have time,

NOTE Confidence: 0.8421623

00:10:34.670 --> 00:10:35.672 I'll tell you,

NOTE Confidence: 0.8421623

00:10:35.672 --> 00:10:38.010 and also a variety of other changes

NOTE Confidence: 0.8421623

00:10:38.082 --> 00:10:39.219 in social policy,

NOTE Confidence: 0.8421623

00:10:39.220 --> 00:10:42.510 all in the name of improving health.

NOTE Confidence: 0.8421623

00:10:42.510 --> 00:10:45.210 And behind Virchows thinking was this  
NOTE Confidence: 0.8421623

00:10:45.210 --> 00:10:47.820 concept that adverse economic conditions.  
NOTE Confidence: 0.8421623

00:10:47.820 --> 00:10:49.878 Are the first or fundamental cause  
NOTE Confidence: 0.8421623

00:10:49.878 --> 00:10:52.113 of many of the medical diseases  
NOTE Confidence: 0.8421623

00:10:52.113 --> 00:10:54.477 that he saw in his practice,  
NOTE Confidence: 0.8421623

00:10:54.480 --> 00:10:56.904 and therefore the practice of medicine  
NOTE Confidence: 0.8421623

00:10:56.904 --> 00:10:59.386 involves seeking to improve the social  
NOTE Confidence: 0.8421623

00:10:59.386 --> 00:11:01.774 and economic realities of patients lives.  
NOTE Confidence: 0.8421623

00:11:01.780 --> 00:11:02.472 So here,  
NOTE Confidence: 0.8421623

00:11:02.472 --> 00:11:03.856 here are some quotes,  
NOTE Confidence: 0.8421623

00:11:03.860 --> 00:11:06.028 a couple of quotes that give you a  
NOTE Confidence: 0.8421623

00:11:06.028 --> 00:11:08.350 sense of his visionary aspiration's.  
NOTE Confidence: 0.8421623

00:11:08.350 --> 00:11:10.426 He said once he met Medicine,  
NOTE Confidence: 0.8421623

00:11:10.430 --> 00:11:12.265 established this anthropology and once  
NOTE Confidence: 0.8421623

00:11:12.265 --> 00:11:14.781 the interests of the privilege no longer  
NOTE Confidence: 0.8421623

00:11:14.781 --> 00:11:16.653 determine the course of basic events,

NOTE Confidence: 0.8421623

00:11:16.660 --> 00:11:18.310 then the physiologist and practitioner

NOTE Confidence: 0.8421623

00:11:18.310 --> 00:11:20.735 will be counted among the elder statesman

NOTE Confidence: 0.8421623

00:11:20.735 --> 00:11:22.540 who support the social structure.

NOTE Confidence: 0.8421623

00:11:22.540 --> 00:11:24.175 Medicine is a social science

NOTE Confidence: 0.8421623

00:11:24.175 --> 00:11:26.350 in its very bone and marrow,

NOTE Confidence: 0.8421623

00:11:26.350 --> 00:11:28.598 and he goes on in this same essay

NOTE Confidence: 0.8421623

00:11:28.598 --> 00:11:30.965 with the famous lines that are

NOTE Confidence: 0.8421623

00:11:30.965 --> 00:11:33.125 often repeated associated with them.

NOTE Confidence: 0.8421623

00:11:33.130 --> 00:11:35.325 Positions are the natural attorneys

NOTE Confidence: 0.8421623

00:11:35.325 --> 00:11:38.113 of the poor and social problems

NOTE Confidence: 0.8421623

00:11:38.113 --> 00:11:40.698 largely fall within their scope.

NOTE Confidence: 0.78195876

00:11:43.380 --> 00:11:45.772 But my point, my broader point is it

NOTE Confidence: 0.78195876

00:11:45.772 --> 00:11:47.870 wasn't just medical scientist rate.

NOTE Confidence: 0.78195876

00:11:47.870 --> 00:11:49.652 Medical scientists like Virgo but also

NOTE Confidence: 0.78195876

00:11:49.652 --> 00:11:52.241 men and women in the arts and letters

NOTE Confidence: 0.78195876

00:11:52.241 --> 00:11:53.916 who long drawn connections between  
NOTE Confidence: 0.78195876

00:11:53.916 --> 00:11:56.150 social economic circumstances and health,  
NOTE Confidence: 0.78195876

00:11:56.150 --> 00:11:57.830 particularly between things like poverty  
NOTE Confidence: 0.78195876

00:11:57.830 --> 00:11:59.913 and alcoholism as well as financial  
NOTE Confidence: 0.78195876

00:11:59.913 --> 00:12:02.007 crises or romantic losses and suicide.  
NOTE Confidence: 0.78195876

00:12:02.010 --> 00:12:05.115 One can think of like the sorrows of Werther.  
NOTE Confidence: 0.78195876

00:12:05.120 --> 00:12:06.962 Here, a couple of illustrative quotes  
NOTE Confidence: 0.78195876

00:12:06.962 --> 00:12:09.259 from 2 great 19th century novelists,  
NOTE Confidence: 0.78195876

00:12:09.260 --> 00:12:11.540 a young Charles Dickens writes of  
NOTE Confidence: 0.78195876

00:12:11.540 --> 00:12:13.828 the allure of alcohol is a bomb.  
NOTE Confidence: 0.78195876

00:12:13.830 --> 00:12:16.014 The misery of poverty rates pieces  
NOTE Confidence: 0.78195876

00:12:16.014 --> 00:12:18.100 maybe actually from his sketches,  
NOTE Confidence: 0.78195876

00:12:18.100 --> 00:12:20.865 opposes the first thing he published his  
NOTE Confidence: 0.78195876

00:12:20.865 --> 00:12:23.846 young man until you improve the homes of  
NOTE Confidence: 0.78195876

00:12:23.846 --> 00:12:26.466 the poor or persuade 1/2 Amish stretch  
NOTE Confidence: 0.78195876

00:12:26.466 --> 00:12:29.329 not to seek relief in the temporary

NOTE Confidence: 0.78195876

00:12:29.329 --> 00:12:31.680 oblivion oblivion of his own misery.

NOTE Confidence: 0.78195876

00:12:31.680 --> 00:12:34.002 Gin shops will increase in number

NOTE Confidence: 0.78195876

00:12:34.002 --> 00:12:36.332 and splendor, and then it below.

NOTE Confidence: 0.78195876

00:12:36.332 --> 00:12:38.660 There used to quote from emails.

NOTE Confidence: 0.78195876

00:12:38.660 --> 00:12:40.600 So let's masterpiece lesson water.

NOTE Confidence: 0.78195876

00:12:40.600 --> 00:12:41.420 And yeah,

NOTE Confidence: 0.78195876

00:12:41.420 --> 00:12:44.700 in which he portrays the fate of survey.

NOTE Confidence: 0.78195876

00:12:44.700 --> 00:12:46.686 Alondras from working class Paris who

NOTE Confidence: 0.78195876

00:12:46.686 --> 00:12:49.200 struggles to work her way up into the

NOTE Confidence: 0.78195876

00:12:49.200 --> 00:12:50.886 middle class and eventually to own

NOTE Confidence: 0.78195876

00:12:50.945 --> 00:12:52.967 and operate their own small laundry,

NOTE Confidence: 0.78195876

00:12:52.970 --> 00:12:54.560 only to suffer financial crisis

NOTE Confidence: 0.78195876

00:12:54.560 --> 00:12:56.150 when her husband is injured.

NOTE Confidence: 0.78195876

00:12:56.150 --> 00:12:58.341 Work and then both of them descend

NOTE Confidence: 0.78195876

00:12:58.341 --> 00:12:59.978 into poverty and alcoholism and

NOTE Confidence: 0.78195876

00:12:59.978 --> 00:13:01.868 near the end of the novel,  
NOTE Confidence: 0.78195876

00:13:01.870 --> 00:13:03.505 the narrator opines they never  
NOTE Confidence: 0.78195876

00:13:03.505 --> 00:13:05.370 knew exactly what she died of.  
NOTE Confidence: 0.78195876

00:13:05.370 --> 00:13:07.278 Some people spoke of a chill,  
NOTE Confidence: 0.78195876

00:13:07.280 --> 00:13:09.544 but the truth is was that she died  
NOTE Confidence: 0.78195876

00:13:09.544 --> 00:13:11.570 of poverty from the filth and  
NOTE Confidence: 0.78195876

00:13:11.570 --> 00:13:13.315 wretchedness of her weary life.  
NOTE Confidence: 0.78195876

00:13:13.320 --> 00:13:14.588 She rotted to death.  
NOTE Confidence: 0.8286231

00:13:16.830 --> 00:13:18.925 So these quotes from bestselling  
NOTE Confidence: 0.8286231

00:13:18.925 --> 00:13:20.601 novelists suggests that connections  
NOTE Confidence: 0.8286231

00:13:20.601 --> 00:13:22.530 between poverty and alcoholism were  
NOTE Confidence: 0.8286231

00:13:22.530 --> 00:13:24.340 part of the public's awareness.  
NOTE Confidence: 0.8286231

00:13:24.340 --> 00:13:27.104 In the 19th century that case, indeed,  
NOTE Confidence: 0.8286231

00:13:27.104 --> 00:13:30.256 it is all described momentarily in our day.  
NOTE Confidence: 0.8286231

00:13:30.260 --> 00:13:33.025 They don't exactly argue that poverty per,  
NOTE Confidence: 0.8286231

00:13:33.030 --> 00:13:34.610 say, drives alcoholism, alcoholism,

NOTE Confidence: 0.8286231

00:13:34.610 --> 00:13:36.980 and the other deaths of despair,

NOTE Confidence: 0.8286231

00:13:36.980 --> 00:13:39.528 but rather that these threats to health

NOTE Confidence: 0.8286231

00:13:39.528 --> 00:13:42.388 are connected with its wording of an

NOTE Confidence: 0.8286231

00:13:42.388 --> 00:13:44.084 individual's needs and expectations,

NOTE Confidence: 0.8286231

00:13:44.090 --> 00:13:46.150 and that's an idea that.

NOTE Confidence: 0.8286231

00:13:46.150 --> 00:13:48.274 Was foreshadowed in the academic suicide

NOTE Confidence: 0.8286231

00:13:48.274 --> 00:13:50.798 literature and the work of Emile Durckheim,

NOTE Confidence: 0.8286231

00:13:50.800 --> 00:13:52.948 who was one of the founders

NOTE Confidence: 0.8286231

00:13:52.948 --> 00:13:54.022 of modern sociology.

NOTE Confidence: 0.8286231

00:13:54.030 --> 00:13:56.070 Durkheim wrote about the imbalance between

NOTE Confidence: 0.8286231

00:13:56.070 --> 00:13:57.960 personal needs and available resources.

NOTE Confidence: 0.8286231

00:13:57.960 --> 00:14:00.188 Here's a here's a quote, actually,

NOTE Confidence: 0.8286231

00:14:00.188 --> 00:14:04.130 a couple of quotes from his chapter on anomic

NOTE Confidence: 0.8286231

00:14:04.218 --> 00:14:07.487 suicides from his famous book on Suicide.

NOTE Confidence: 0.8286231

00:14:07.490 --> 00:14:08.594 Uh, the late 1800s.

NOTE Confidence: 0.8286231



00:14:08.594 --> 00:14:11.217 He said he wrote that no living being can  
NOTE Confidence: 0.8286231

00:14:11.217 --> 00:14:14.189 be happy or even exist and less his needs  
NOTE Confidence: 0.8286231

00:14:14.189 --> 00:14:16.589 are sufficiently proportion to his means.  
NOTE Confidence: 0.8286231

00:14:16.590 --> 00:14:17.782 And in other words,  
NOTE Confidence: 0.8286231

00:14:17.782 --> 00:14:20.666 if his needs require more than can be granted  
NOTE Confidence: 0.8286231

00:14:20.666 --> 00:14:23.081 or even merely something of different sort,  
NOTE Confidence: 0.8286231

00:14:23.090 --> 00:14:24.715 they'll be under continual friction  
NOTE Confidence: 0.8286231

00:14:24.715 --> 00:14:26.340 and can only function painfully.  
NOTE Confidence: 0.8286231

00:14:26.340 --> 00:14:27.970 And then he goes on.  
NOTE Confidence: 0.8286231

00:14:27.970 --> 00:14:29.788 And here he's rebutting the idea  
NOTE Confidence: 0.8286231

00:14:29.788 --> 00:14:31.408 that we can understand suicide  
NOTE Confidence: 0.8286231

00:14:31.408 --> 00:14:33.490 simply by looking at poverty levels.  
NOTE Confidence: 0.8286231

00:14:33.490 --> 00:14:34.790 He says, what proof?  
NOTE Confidence: 0.8286231

00:14:34.790 --> 00:14:35.765 Still more conclusively,  
NOTE Confidence: 0.8286231

00:14:35.770 --> 00:14:38.092 economic distress does not have the  
NOTE Confidence: 0.8286231

00:14:38.092 --> 00:14:40.013 aggravating influence often attributed to

NOTE Confidence: 0.8286231

00:14:40.013 --> 00:14:41.897 it's not saying just economic distress.

NOTE Confidence: 0.8286231

00:14:41.900 --> 00:14:44.105 Is that very little suicide in Ireland?

NOTE Confidence: 0.8286231

00:14:44.110 --> 00:14:45.875 There's very little suicide in

NOTE Confidence: 0.8286231

00:14:45.875 --> 00:14:47.640 Ireland with the peasantry police

NOTE Confidence: 0.8286231

00:14:47.702 --> 00:14:49.558 arrest a life and it goes on to

NOTE Confidence: 0.8286231

00:14:49.558 --> 00:14:51.348 talk about collaborating in Spain,

NOTE Confidence: 0.8286231

00:14:51.350 --> 00:14:53.555 France and a variety of other places.

NOTE Confidence: 0.8286231

00:14:53.560 --> 00:14:54.656 So here's a nice.

NOTE Confidence: 0.8286231

00:14:54.656 --> 00:14:56.702 Also a nice illustration by the way

NOTE Confidence: 0.8286231

00:14:56.702 --> 00:14:58.086 of using statistical epidemiologic

NOTE Confidence: 0.8286231

00:14:58.086 --> 00:15:00.818 data very early to make the case that

NOTE Confidence: 0.8286231

00:15:00.818 --> 00:15:02.696 suicide rates can't be explained simply

NOTE Confidence: 0.8286231

00:15:02.696 --> 00:15:06.280 by appealing to rates of poverty.

NOTE Confidence: 0.8286231

00:15:06.280 --> 00:15:08.110 So.

NOTE Confidence: 0.8286231

00:15:08.110 --> 00:15:10.120 So Durckheim is arguing for focus

NOTE Confidence: 0.8286231

00:15:10.120 --> 00:15:11.822 on desires and expectations and  
NOTE Confidence: 0.8286231

00:15:11.822 --> 00:15:13.634 the risks that occur when they're  
NOTE Confidence: 0.8286231

00:15:13.634 --> 00:15:15.040 frustrated out of balance.  
NOTE Confidence: 0.8286231

00:15:15.040 --> 00:15:16.172 And as I mentioned,  
NOTE Confidence: 0.8286231

00:15:16.172 --> 00:15:19.420 we kind of hear an echo of this idea in  
NOTE Confidence: 0.8286231

00:15:19.420 --> 00:15:21.634 case and Edens Dessa despair hypothesis,  
NOTE Confidence: 0.8286231

00:15:21.640 --> 00:15:23.565 people despair when their material  
NOTE Confidence: 0.8286231

00:15:23.565 --> 00:15:25.105 and social social circumstances  
NOTE Confidence: 0.8286231

00:15:25.105 --> 00:15:26.928 are below what they expected.  
NOTE Confidence: 0.8286231

00:15:26.930 --> 00:15:28.904 This despair leads people to act in  
NOTE Confidence: 0.8286231

00:15:28.904 --> 00:15:30.789 ways that simply harm their health,  
NOTE Confidence: 0.8286231

00:15:30.790 --> 00:15:32.894 and this may have a direct impact on  
NOTE Confidence: 0.8286231

00:15:32.894 --> 00:15:34.948 death through suicide and indirect impact.  
NOTE Confidence: 0.8286231

00:15:34.950 --> 00:15:37.370 Through heavy drinking smoking.  
NOTE Confidence: 0.8286231

00:15:37.370 --> 00:15:40.821 And alcohol abuse and it rude is  
NOTE Confidence: 0.8286231

00:15:40.821 --> 00:15:43.729 economic and social breakdown now.

NOTE Confidence: 0.8328662

00:15:45.910 --> 00:15:48.418 It's this morning, a personal expectations.

NOTE Confidence: 0.8328662

00:15:48.420 --> 00:15:51.129 The case, indeed, move you as really

NOTE Confidence: 0.8328662

00:15:51.129 --> 00:15:54.269 as as as part of the mechanism.

NOTE Confidence: 0.8328662

00:15:54.270 --> 00:15:56.778 That sort of leads to despair.

NOTE Confidence: 0.8328662

00:15:56.780 --> 00:15:59.370 The what they write about the erosion

NOTE Confidence: 0.8328662

00:15:59.370 --> 00:16:01.380 of longstanding economic opportunities.

NOTE Confidence: 0.8328662

00:16:01.380 --> 00:16:03.465 Again, the erosion of longstanding

NOTE Confidence: 0.8328662

00:16:03.465 --> 00:16:04.299 economic opportunities.

NOTE Confidence: 0.8328662

00:16:04.300 --> 00:16:06.308 People have these opportunities,

NOTE Confidence: 0.8328662

00:16:06.308 --> 00:16:09.801 and they've slipped away and that that

NOTE Confidence: 0.8328662

00:16:09.801 --> 00:16:12.573 process plays a prominent role in their

NOTE Confidence: 0.8328662

00:16:12.573 --> 00:16:15.498 view in precipitating these deaths.

NOTE Confidence: 0.8328662

00:16:15.500 --> 00:16:16.378 Of despair.

NOTE Confidence: 0.8328662

00:16:16.378 --> 00:16:19.451 So if we think about this this

NOTE Confidence: 0.8328662

00:16:19.451 --> 00:16:21.210 concept schematically,

NOTE Confidence: 0.8328662

00:16:21.210 --> 00:16:24.876 it might look something like this.  
NOTE Confidence: 0.8328662

00:16:24.880 --> 00:16:26.810 Economic stagnation driven by globalization,  
NOTE Confidence: 0.8328662

00:16:26.810 --> 00:16:28.040 rapid technological change,  
NOTE Confidence: 0.8328662

00:16:28.040 --> 00:16:30.500 loss of union power that shielded  
NOTE Confidence: 0.8328662

00:16:30.500 --> 00:16:32.579 workers in the US from competition,  
NOTE Confidence: 0.8328662

00:16:32.580 --> 00:16:35.275 low wage labor both here and abroad,  
NOTE Confidence: 0.8328662

00:16:35.280 --> 00:16:37.590 has over a period of time,  
NOTE Confidence: 0.8328662

00:16:37.590 --> 00:16:39.430 narrow job prospects and accelerated  
NOTE Confidence: 0.8328662

00:16:39.430 --> 00:16:41.270 declining rates of marriage that  
NOTE Confidence: 0.8328662

00:16:41.325 --> 00:16:43.310 contributed to social isolation and  
NOTE Confidence: 0.8328662

00:16:43.310 --> 00:16:44.898 loneliness and these processes,  
NOTE Confidence: 0.8328662

00:16:44.900 --> 00:16:47.270 in turn, may contribute to something  
NOTE Confidence: 0.8328662

00:16:47.270 --> 00:16:49.140 that we might think of.  
NOTE Confidence: 0.8328662

00:16:49.140 --> 00:16:50.625 Diseases of despair,  
NOTE Confidence: 0.8328662

00:16:50.625 --> 00:16:53.595 and ultimately to deaths of despair.  
NOTE Confidence: 0.8328662

00:16:53.600 --> 00:16:54.545 And of course,

NOTE Confidence: 0.8328662

00:16:54.545 --> 00:16:56.435 over the last year or so,

NOTE Confidence: 0.8328662

00:16:56.440 --> 00:16:59.239 one would think that all of this has been

NOTE Confidence: 0.8328662

00:16:59.239 --> 00:17:00.857 exacerbated by the economic disruption

NOTE Confidence: 0.8328662

00:17:00.857 --> 00:17:03.080 and the loss of 20 million jobs.

NOTE Confidence: 0.8328662

00:17:03.080 --> 00:17:04.970 Only about 10 million of which

NOTE Confidence: 0.8328662

00:17:04.970 --> 00:17:05.915 should come backed.

NOTE Confidence: 0.8328662

00:17:05.920 --> 00:17:08.448 It's been brought on by the covid pandemic,

NOTE Confidence: 0.8328662

00:17:08.450 --> 00:17:10.030 and if we have time,

NOTE Confidence: 0.8328662

00:17:10.030 --> 00:17:12.242 we can talk about the CDC's release

NOTE Confidence: 0.8328662

00:17:12.242 --> 00:17:13.510 of numbers, preliminary numbers,

NOTE Confidence: 0.8328662

00:17:13.510 --> 00:17:15.085 provisional numbers just last week,

NOTE Confidence: 0.8328662

00:17:15.090 --> 00:17:17.099 showing that in fact we we didn't

NOTE Confidence: 0.8328662

00:17:17.099 --> 00:17:19.047 in 2020 have an increase in

NOTE Confidence: 0.8328662

00:17:19.047 --> 00:17:21.087 suicide as many people had feared.

NOTE Confidence: 0.8328662

00:17:21.090 --> 00:17:21.530 But,

NOTE Confidence: 0.8328662

00:17:21.530 --> 00:17:25.050 but that's the that's sort of the general.

NOTE Confidence: 0.8328662

00:17:25.050 --> 00:17:26.373 As I say,

NOTE Confidence: 0.8328662

00:17:26.373 --> 00:17:30.310 a schematic view of the case and Deaton.

NOTE Confidence: 0.8328662

00:17:30.310 --> 00:17:30.671 Hypothesis,

NOTE Confidence: 0.8328662

00:17:30.671 --> 00:17:32.837 and at the very center of

NOTE Confidence: 0.8328662

00:17:32.837 --> 00:17:34.620 their hypothesis is this idea,

NOTE Confidence: 0.8328662

00:17:34.620 --> 00:17:36.410 or this notion of despair.

NOTE Confidence: 0.8328662

00:17:36.410 --> 00:17:38.570 And yet nowhere in their writings.

NOTE Confidence: 0.8328662

00:17:38.570 --> 00:17:40.817 And I've read the I read their

NOTE Confidence: 0.8328662

00:17:40.817 --> 00:17:42.520 book in their articles.

NOTE Confidence: 0.8328662

00:17:42.520 --> 00:17:45.026 Do we encounter a measure of despair?

NOTE Confidence: 0.8328662

00:17:45.030 --> 00:17:47.340 So so there's real empirical work to

NOTE Confidence: 0.8328662

00:17:47.340 --> 00:17:50.058 do if we're interested in this area,

NOTE Confidence: 0.8328662

00:17:50.060 --> 00:17:52.566 I work that I'm I'm not skilled,

NOTE Confidence: 0.8328662

00:17:52.570 --> 00:17:55.076 I have the skill set to pursue,

NOTE Confidence: 0.8328662

00:17:55.080 --> 00:17:57.944 but I would encourage others to to do,

NOTE Confidence: 0.8328662

00:17:57.950 --> 00:18:00.098 and that is work that involves

NOTE Confidence: 0.8328662

00:18:00.098 --> 00:18:01.172 kind of understanding.

NOTE Confidence: 0.8328662

00:18:01.180 --> 00:18:02.880 The psychopathology one could

NOTE Confidence: 0.8328662

00:18:02.880 --> 00:18:04.580 imagine a small field.

NOTE Confidence: 0.8328662

00:18:04.580 --> 00:18:05.940 Devoted to understanding the

NOTE Confidence: 0.8328662

00:18:05.940 --> 00:18:06.960 psychological consequences of

NOTE Confidence: 0.8328662

00:18:06.960 --> 00:18:08.759 financial strain and social isolation,

NOTE Confidence: 0.8328662

00:18:08.760 --> 00:18:10.704 and that that how they those

NOTE Confidence: 0.8328662

00:18:10.704 --> 00:18:12.000 things might mediate maladaptive

NOTE Confidence: 0.8328662

00:18:12.062 --> 00:18:13.977 behaviors that drive Destin despair.

NOTE Confidence: 0.8328662

00:18:13.980 --> 00:18:16.468 And it might in fact be somewhat similar

NOTE Confidence: 0.8328662

00:18:16.468 --> 00:18:18.850 to what is already well developed.

NOTE Confidence: 0.8328662

00:18:18.850 --> 00:18:21.626 Field of depression and and in that area.

NOTE Confidence: 0.8328662

00:18:21.630 --> 00:18:24.348 Of course we think in terms of not only

NOTE Confidence: 0.8328662

00:18:24.348 --> 00:18:26.159 behavioral and cognitive emotional,

NOTE Confidence: 0.8328662



00:18:26.160 --> 00:18:27.705 but also biological.  
NOTE Confidence: 0.8328662

00:18:27.705 --> 00:18:31.310 Aspects that may bear and be relevant  
NOTE Confidence: 0.8328662

00:18:31.403 --> 00:18:33.603 for understanding the etiology  
NOTE Confidence: 0.8328662

00:18:33.603 --> 00:18:36.903 or onset of how these financial  
NOTE Confidence: 0.8328662

00:18:37.001 --> 00:18:39.875 strain is used is experienced by  
NOTE Confidence: 0.8328662

00:18:39.875 --> 00:18:42.928 people and results in putting that  
NOTE Confidence: 0.8328662

00:18:42.928 --> 00:18:45.748 increased risk for these diseases  
NOTE Confidence: 0.8328662

00:18:45.748 --> 00:18:49.199 that can be life threatening.  
NOTE Confidence: 0.8328662

00:18:49.200 --> 00:18:51.036 Backing up one reason that this  
NOTE Confidence: 0.8328662

00:18:51.036 --> 00:18:52.831 topic is so important is that  
NOTE Confidence: 0.8328662

00:18:52.831 --> 00:18:54.623 over the past two decades or so,  
NOTE Confidence: 0.8328662

00:18:54.630 --> 00:18:56.925 and I'm the last couple of years, well,  
NOTE Confidence: 0.8328662

00:18:56.925 --> 00:18:59.205 you probably got to put an asterisk by,  
NOTE Confidence: 0.8328662

00:18:59.210 --> 00:19:01.940 but if we step back and look it over the  
NOTE Confidence: 0.8412706

00:19:02.018 --> 00:19:04.448 last, you know 20 years or so we've seen  
NOTE Confidence: 0.8412706

00:19:04.448 --> 00:19:06.649 rising rates of suicide and drug overdose,

NOTE Confidence: 0.8412706

00:19:06.650 --> 00:19:08.360 especially of course opioid overdose deaths,

NOTE Confidence: 0.8412706

00:19:08.360 --> 00:19:10.076 chronic liver disease deaths, United States.

NOTE Confidence: 0.8412706

00:19:10.080 --> 00:19:11.900 There are all trending upward and that

NOTE Confidence: 0.8412706

00:19:11.900 --> 00:19:14.316 it stands in quite sharp contrast to the

NOTE Confidence: 0.8412706

00:19:14.316 --> 00:19:16.223 impressive declines that have been achieved

NOTE Confidence: 0.8412706

00:19:16.223 --> 00:19:18.653 in many of the other leading cause to death,

NOTE Confidence: 0.8412706

00:19:18.660 --> 00:19:20.655 some of which are on the slide.

NOTE Confidence: 0.8412706

00:19:20.660 --> 00:19:23.156 Here, things like ammonia and cancer.

NOTE Confidence: 0.8412706

00:19:23.160 --> 00:19:26.720 In HIV. So if we had a better

NOTE Confidence: 0.8412706

00:19:26.720 --> 00:19:29.259 understanding of the connections.

NOTE Confidence: 0.8412706

00:19:29.260 --> 00:19:31.300 Between the markers of social economic

NOTE Confidence: 0.8412706

00:19:31.300 --> 00:19:33.889 adversity and S to despair that might

NOTE Confidence: 0.8412706

00:19:33.889 --> 00:19:36.217 well have implications for the broad

NOTE Confidence: 0.8412706

00:19:36.217 --> 00:19:38.337 direction of social and health policy.

NOTE Confidence: 0.8412706

00:19:38.340 --> 00:19:40.874 If we were to find strong associations,

NOTE Confidence: 0.8412706

00:19:40.880 --> 00:19:43.928 it might help make the case that upstream  
NOTE Confidence: 0.8412706

00:19:43.928 --> 00:19:45.752 interventions with the sorts that  
NOTE Confidence: 0.8412706

00:19:45.752 --> 00:19:48.062 Doctor Burke I was writing about over  
NOTE Confidence: 0.8412706

00:19:48.135 --> 00:19:50.676 100 years ago and advocating in Germany.  
NOTE Confidence: 0.8412706

00:19:50.680 --> 00:19:52.846 And we recognize today is things  
NOTE Confidence: 0.8412706

00:19:52.846 --> 00:19:54.670 like raising the minimum wage,  
NOTE Confidence: 0.8412706

00:19:54.670 --> 00:19:56.848 increasing public support for job training,  
NOTE Confidence: 0.8412706

00:19:56.850 --> 00:19:58.660 expanding investment in public education,  
NOTE Confidence: 0.8412706

00:19:58.660 --> 00:19:59.340 loan forgiveness.  
NOTE Confidence: 0.8412706

00:19:59.340 --> 00:20:00.360 Increasing the veil.  
NOTE Confidence: 0.8412706

00:20:00.360 --> 00:20:02.140 Health insurance for low income  
NOTE Confidence: 0.8412706

00:20:02.140 --> 00:20:03.564 people subsidizing child care.  
NOTE Confidence: 0.8412706

00:20:03.570 --> 00:20:04.998 You know there's a?  
NOTE Confidence: 0.8412706

00:20:04.998 --> 00:20:06.426 There's a long list,  
NOTE Confidence: 0.8412706

00:20:06.430 --> 00:20:07.108 in fact,  
NOTE Confidence: 0.8412706

00:20:07.108 --> 00:20:09.481 some of these policies resemble those sorts

NOTE Confidence: 0.8412706

00:20:09.481 --> 00:20:11.582 of measures that were recently included

NOTE Confidence: 0.8412706

00:20:11.582 --> 00:20:14.640 in the in this Big American rescue plan.

NOTE Confidence: 0.8412706

00:20:14.640 --> 00:20:16.662 Nearly \$2 trillion plan that aims

NOTE Confidence: 0.8412706

00:20:16.662 --> 00:20:18.376 to improve the financial security

NOTE Confidence: 0.8412706

00:20:18.376 --> 00:20:20.490 of millions of people who both low

NOTE Confidence: 0.8412706

00:20:20.490 --> 00:20:22.416 and even middle income individuals

NOTE Confidence: 0.8412706

00:20:22.416 --> 00:20:24.930 in United States through things like

NOTE Confidence: 0.8412706

00:20:24.930 --> 00:20:26.066 extending unemployment benefits,

NOTE Confidence: 0.8412706

00:20:26.066 --> 00:20:27.140 providing direct payments,

NOTE Confidence: 0.8412706

00:20:27.140 --> 00:20:28.564 funding emergency pay leave,

NOTE Confidence: 0.8412706

00:20:28.564 --> 00:20:29.988 and several other measures.

NOTE Confidence: 0.8412706

00:20:29.990 --> 00:20:30.590 So again.

NOTE Confidence: 0.8412706

00:20:30.590 --> 00:20:32.690 This if you can demonstrate if one

NOTE Confidence: 0.8412706

00:20:32.690 --> 00:20:35.058 can demonstrate strong associations,

NOTE Confidence: 0.8412706

00:20:35.060 --> 00:20:36.504 it'll have important implications

NOTE Confidence: 0.8412706

00:20:36.504 --> 00:20:37.587 for social policy.  
NOTE Confidence: 0.8412706

00:20:37.590 --> 00:20:38.818 On the other hand,  
NOTE Confidence: 0.8412706

00:20:38.818 --> 00:20:42.278 if the week it if the linkages are weaker,  
NOTE Confidence: 0.8412706

00:20:42.280 --> 00:20:44.212 it might suggest that the traditional  
NOTE Confidence: 0.8412706

00:20:44.212 --> 00:20:45.938 mental health focus the narrower  
NOTE Confidence: 0.8412706

00:20:45.938 --> 00:20:47.838 downstream focused on things like  
NOTE Confidence: 0.8412706

00:20:47.838 --> 00:20:49.358 suicide screening and linking  
NOTE Confidence: 0.8412706

00:20:49.419 --> 00:20:51.269 people to mental health services  
NOTE Confidence: 0.8412706

00:20:51.269 --> 00:20:52.749 and evidence based treatments,  
NOTE Confidence: 0.8412706

00:20:52.750 --> 00:20:54.778 building up and making more available  
NOTE Confidence: 0.8412706

00:20:54.778 --> 00:20:56.891 crisis lines and trying to pass  
NOTE Confidence: 0.8412706

00:20:56.891 --> 00:20:58.985 firearm safety policies and try to  
NOTE Confidence: 0.8412706

00:20:58.985 --> 00:21:00.514 implement counseling safety planning  
NOTE Confidence: 0.8412706

00:21:00.514 --> 00:21:02.429 with an emergency departments and  
NOTE Confidence: 0.8412706

00:21:02.429 --> 00:21:03.946 expanding access to Medicaid.  
NOTE Confidence: 0.8412706

00:21:03.946 --> 00:21:05.044 Medication treatments like

NOTE Confidence: 0.8412706

00:21:05.044 --> 00:21:06.874 buprenorphine for opioid use disorder,

NOTE Confidence: 0.8412706

00:21:06.880 --> 00:21:07.882 needle exchange programs,

NOTE Confidence: 0.8412706

00:21:07.882 --> 00:21:08.550 the locks,

NOTE Confidence: 0.8412706

00:21:08.550 --> 00:21:10.560 own availability so that people can

NOTE Confidence: 0.8412706

00:21:10.560 --> 00:21:12.880 be get reversed and saved in field.

NOTE Confidence: 0.8412706

00:21:12.880 --> 00:21:15.806 You know all these more sort of

NOTE Confidence: 0.8412706

00:21:15.806 --> 00:21:18.769 what I think of as downstream.

NOTE Confidence: 0.8412706

00:21:18.770 --> 00:21:21.160 Approaches and interventions would be,

NOTE Confidence: 0.8412706

00:21:21.160 --> 00:21:21.792 you know,

NOTE Confidence: 0.8412706

00:21:21.792 --> 00:21:25.064 we play a more central role if if the

NOTE Confidence: 0.8412706

00:21:25.064 --> 00:21:27.744 weaker associations between these

NOTE Confidence: 0.8412706

00:21:27.744 --> 00:21:29.754 broader socioeconomic determinants.

NOTE Confidence: 0.8412706

00:21:29.760 --> 00:21:34.176 So anyway to examine this issue.

NOTE Confidence: 0.8412706

00:21:34.180 --> 00:21:36.868 I worked with my friend Carlos Black.

NOTE Confidence: 0.8412706

00:21:36.870 --> 00:21:39.934 I was at night at and Melanie Wallop,

NOTE Confidence: 0.8412706

00:21:39.940 --> 00:21:41.516 Asstastic Colombian Sean Altekruise,  
NOTE Confidence: 0.8412706

00:21:41.516 --> 00:21:44.719 who's at the NHL BI on a rather  
NOTE Confidence: 0.8412706

00:21:44.719 --> 00:21:46.624 straightforward set of analysis and  
NOTE Confidence: 0.8412706

00:21:46.624 --> 00:21:49.538 I will walk you through some of them.  
NOTE Confidence: 0.8412706

00:21:49.540 --> 00:21:51.645 They're based on something called  
NOTE Confidence: 0.8412706

00:21:51.645 --> 00:21:53.750 the mortality disparities in American  
NOTE Confidence: 0.8412706

00:21:53.814 --> 00:21:56.068 communities data or EM back for short.  
NOTE Confidence: 0.8412706

00:21:56.070 --> 00:21:56.838 And really,  
NOTE Confidence: 0.8412706

00:21:56.838 --> 00:21:57.990 all it is,  
NOTE Confidence: 0.8412706

00:21:57.990 --> 00:21:59.905 is taking the American Community  
NOTE Confidence: 0.8412706

00:21:59.905 --> 00:22:01.437 Survey it from 2008.  
NOTE Confidence: 0.8412706

00:22:01.440 --> 00:22:03.272 Huge survey representative sample  
NOTE Confidence: 0.8412706

00:22:03.272 --> 00:22:04.188 of Americans.  
NOTE Confidence: 0.8412706

00:22:04.190 --> 00:22:05.242 4,000,000 which you see  
NOTE Confidence: 0.8412706

00:22:05.242 --> 00:22:06.820 there and linking it to the  
NOTE Confidence: 0.83943075

00:22:06.875 --> 00:22:07.958 National Death Index.

NOTE Confidence: 0.83943075

00:22:07.960 --> 00:22:10.380 It's been linked through 2015.

NOTE Confidence: 0.83943075

00:22:10.380 --> 00:22:12.102 Over 300,000 people died from that

NOTE Confidence: 0.83943075

00:22:12.102 --> 00:22:14.120 cohort of four and a half million,

NOTE Confidence: 0.83943075

00:22:14.120 --> 00:22:16.136 and in about a month or so,

NOTE Confidence: 0.83943075

00:22:16.140 --> 00:22:17.580 the Census Bureau is going

NOTE Confidence: 0.83943075

00:22:17.580 --> 00:22:19.020 to be releasing an update.

NOTE Confidence: 0.83943075

00:22:19.020 --> 00:22:20.688 So we'll be linking it through

NOTE Confidence: 0.83943075

00:22:20.688 --> 00:22:22.659 2019 and you know that will give

NOTE Confidence: 0.83943075

00:22:22.659 --> 00:22:24.521 us more power and get a chance

NOTE Confidence: 0.83943075

00:22:24.583 --> 00:22:26.732 to look at the effects as the

NOTE Confidence: 0.83943075

00:22:26.732 --> 00:22:28.236 opioid epidemic really took off.

NOTE Confidence: 0.83943075

00:22:28.236 --> 00:22:28.524 Unfortunately,

NOTE Confidence: 0.83943075

00:22:28.524 --> 00:22:30.540 during that period between 2016 and 19,

NOTE Confidence: 0.83943075

00:22:30.540 --> 00:22:32.857 so I think there are results that

NOTE Confidence: 0.83943075

00:22:32.857 --> 00:22:35.142 were about to show you may change

NOTE Confidence: 0.83943075



00:22:35.142 --> 00:22:37.320 in a couple of months a bit.  
NOTE Confidence: 0.83943075

00:22:37.320 --> 00:22:38.576 But still it's a.  
NOTE Confidence: 0.83943075

00:22:38.576 --> 00:22:39.518 It's a very.  
NOTE Confidence: 0.83943075

00:22:39.520 --> 00:22:41.368 It's an impressively large survey and  
NOTE Confidence: 0.83943075

00:22:41.368 --> 00:22:43.290 just little bit about this survey.  
NOTE Confidence: 0.83943075

00:22:43.290 --> 00:22:44.538 The American Community surveys,  
NOTE Confidence: 0.83943075

00:22:44.538 --> 00:22:45.474 as I mentioned,  
NOTE Confidence: 0.83943075

00:22:45.480 --> 00:22:47.050 fielded by the Census Bureau,  
NOTE Confidence: 0.83943075

00:22:47.050 --> 00:22:48.620 and because it's legally required  
NOTE Confidence: 0.83943075

00:22:48.620 --> 00:22:50.190 you got in the Mail.  
NOTE Confidence: 0.83943075

00:22:50.190 --> 00:22:53.694 I happen to have got one last year.  
NOTE Confidence: 0.83943075

00:22:53.700 --> 00:22:55.404 You know they've got this truly  
NOTE Confidence: 0.83943075

00:22:55.404 --> 00:22:56.880 impressive response rate of 97.9%.  
NOTE Confidence: 0.83943075

00:22:56.880 --> 00:22:59.472 You never see that in the literature in it.  
NOTE Confidence: 0.83943075

00:22:59.480 --> 00:23:00.320 Any other context,  
NOTE Confidence: 0.83943075

00:23:00.320 --> 00:23:02.660 and it sends a very broad sampling frame,

NOTE Confidence: 0.83943075

00:23:02.660 --> 00:23:04.592 so it's got people who are in

NOTE Confidence: 0.83943075

00:23:04.592 --> 00:23:06.373 regular housing units as well as

NOTE Confidence: 0.83943075

00:23:06.373 --> 00:23:07.863 wide range of residential facilities

NOTE Confidence: 0.83943075

00:23:07.863 --> 00:23:09.600 you see listed on the slide.

NOTE Confidence: 0.83943075

00:23:09.600 --> 00:23:11.664 There is a little bit of an imperfection

NOTE Confidence: 0.83943075

00:23:11.664 --> 00:23:14.220 in the linking to the National Death Index,

NOTE Confidence: 0.83943075

00:23:14.220 --> 00:23:16.117 so we're about 9:00 or so percent

NOTE Confidence: 0.83943075

00:23:16.117 --> 00:23:17.400 that can't be linked,

NOTE Confidence: 0.83943075

00:23:17.400 --> 00:23:19.020 and it's usually because an individual

NOTE Confidence: 0.83943075

00:23:19.020 --> 00:23:20.869 doesn't have a Social Security number,

NOTE Confidence: 0.83943075

00:23:20.870 --> 00:23:22.158 or it's these copied.

NOTE Confidence: 0.83943075

00:23:22.158 --> 00:23:25.109 Most of that occurs there and then to try to.

NOTE Confidence: 0.83943075

00:23:25.110 --> 00:23:26.374 Correct for that imperfection,

NOTE Confidence: 0.83943075

00:23:26.374 --> 00:23:27.638 they do some waiting,

NOTE Confidence: 0.83943075

00:23:27.640 --> 00:23:29.936 but it's I think it's it's a

NOTE Confidence: 0.83943075

00:23:29.936 --> 00:23:31.429 robust survey and it is.  
NOTE Confidence: 0.83943075

00:23:31.430 --> 00:23:33.958 I think we can say with some confidence.  
NOTE Confidence: 0.83943075

00:23:33.960 --> 00:23:36.608 It is truly representative.  
NOTE Confidence: 0.83943075

00:23:36.610 --> 00:23:39.355 Of the country at the time of the survey,  
NOTE Confidence: 0.83943075

00:23:39.360 --> 00:23:41.142 which is now of course quite  
NOTE Confidence: 0.83943075

00:23:41.142 --> 00:23:42.730 some time ago in 2008.  
NOTE Confidence: 0.83943075

00:23:42.730 --> 00:23:45.079 So the first thing we did is just sort  
NOTE Confidence: 0.83943075

00:23:45.079 --> 00:23:47.318 of put this topic in perspective.  
NOTE Confidence: 0.83943075

00:23:47.320 --> 00:23:49.406 So we looked at all the deaths  
NOTE Confidence: 0.83943075

00:23:49.406 --> 00:23:50.690 from these three cars.  
NOTE Confidence: 0.83943075

00:23:50.690 --> 00:23:52.914 Is the case in deep and identify suicide  
NOTE Confidence: 0.83943075

00:23:52.914 --> 00:23:54.660 poisoning and chronic liver disease,  
NOTE Confidence: 0.83943075

00:23:54.660 --> 00:23:56.412 and we see the the simple  
NOTE Confidence: 0.83943075

00:23:56.412 --> 00:23:58.030 results here on this slide.  
NOTE Confidence: 0.83943075

00:23:58.030 --> 00:23:59.941 Around 4% so one in every 25  
NOTE Confidence: 0.83943075

00:23:59.941 --> 00:24:01.699 deaths are from Dessa despair,

NOTE Confidence: 0.83943075

00:24:01.700 --> 00:24:03.835 that means 96% of course deaths alright,

NOTE Confidence: 0.83943075

00:24:03.840 --> 00:24:06.720 and you can see that this these three causes.

NOTE Confidence: 0.83943075

00:24:06.720 --> 00:24:08.784 Make it roughly equal surprisingly equal

NOTE Confidence: 0.83943075

00:24:08.784 --> 00:24:10.557 contributions to this overall aggregate

NOTE Confidence: 0.83943075

00:24:10.557 --> 00:24:12.982 deaths of despair, and in each case,

NOTE Confidence: 0.83943075

00:24:12.982 --> 00:24:15.070 and this is not a surprise.

NOTE Confidence: 0.83943075

00:24:15.070 --> 00:24:17.995 Men are far more likely at far more prone

NOTE Confidence: 0.83943075

00:24:17.995 --> 00:24:20.990 to die of these causes than are women,

NOTE Confidence: 0.83943075

00:24:20.990 --> 00:24:23.878 so that's sort of just a basic frame

NOTE Confidence: 0.83943075

00:24:23.878 --> 00:24:26.569 to take with you into the next

NOTE Confidence: 0.83943075

00:24:26.569 --> 00:24:29.279 set of slides that I'll show you.

NOTE Confidence: 0.83943075

00:24:29.280 --> 00:24:32.185 And so here in this section I

NOTE Confidence: 0.83943075

00:24:32.185 --> 00:24:35.320 briefly want to focus on four

NOTE Confidence: 0.83943075

00:24:35.320 --> 00:24:37.117 markers up socioeconomic.

NOTE Confidence: 0.83943075

00:24:37.120 --> 00:24:38.308 A concern or adversity,

NOTE Confidence: 0.83943075

00:24:38.308 --> 00:24:39.793 but I'll talk about low  
NOTE Confidence: 0.83943075

00:24:39.793 --> 00:24:40.700 educational attainment,  
NOTE Confidence: 0.83943075

00:24:40.700 --> 00:24:41.025 unemployment,  
NOTE Confidence: 0.83943075

00:24:41.025 --> 00:24:43.300 low income and then and marital status.  
NOTE Confidence: 0.83943075

00:24:43.300 --> 00:24:43.624 Unfortunately,  
NOTE Confidence: 0.83943075

00:24:43.624 --> 00:24:46.216 you know there isn't in the M deck.  
NOTE Confidence: 0.83943075

00:24:46.220 --> 00:24:47.850 A good measure of wealth.  
NOTE Confidence: 0.83943075

00:24:47.850 --> 00:24:49.270 They do have something which  
NOTE Confidence: 0.83943075

00:24:49.270 --> 00:24:50.690 is another important aspect of  
NOTE Confidence: 0.8231033

00:24:50.739 --> 00:24:51.749 socioeconomic status.  
NOTE Confidence: 0.8231033

00:24:51.750 --> 00:24:53.360 They do have some things  
NOTE Confidence: 0.8231033

00:24:53.360 --> 00:24:55.320 on whether you rent or own,  
NOTE Confidence: 0.8231033

00:24:55.320 --> 00:24:57.270 whether you paid off your mortgage,  
NOTE Confidence: 0.8231033

00:24:57.270 --> 00:24:59.709 I might dig into a little bit to try  
NOTE Confidence: 0.8231033

00:24:59.709 --> 00:25:02.149 to pull something out about well,  
NOTE Confidence: 0.8231033

00:25:02.150 --> 00:25:04.990 so you have that information as you'll see

NOTE Confidence: 0.8231033

00:25:04.990 --> 00:25:07.687 an income and employment on education.

NOTE Confidence: 0.8231033

00:25:07.690 --> 00:25:09.778 But so it's missing that piece.

NOTE Confidence: 0.8231033

00:25:09.780 --> 00:25:11.180 Of course. Most importantly,

NOTE Confidence: 0.8231033

00:25:11.180 --> 00:25:12.930 as a mental health person,

NOTE Confidence: 0.8231033

00:25:12.930 --> 00:25:15.354 the thing that's missing is it doesn't have

NOTE Confidence: 0.8231033

00:25:15.354 --> 00:25:17.109 information about psychiatric disorders,

NOTE Confidence: 0.8231033

00:25:17.110 --> 00:25:19.030 which really to get an understanding

NOTE Confidence: 0.8231033

00:25:19.030 --> 00:25:20.950 of these things is essential.

NOTE Confidence: 0.8231033

00:25:20.950 --> 00:25:23.500 But I maintain that there's still

NOTE Confidence: 0.8231033

00:25:23.500 --> 00:25:26.136 some things that you can learn

NOTE Confidence: 0.8231033

00:25:26.136 --> 00:25:28.680 even with that large omission so.

NOTE Confidence: 0.8231033

00:25:28.680 --> 00:25:30.444 The next four slides are organized

NOTE Confidence: 0.8231033

00:25:30.444 --> 00:25:31.620 in the same way,

NOTE Confidence: 0.8231033

00:25:31.620 --> 00:25:34.167 so we take a moment and tell you about

NOTE Confidence: 0.8231033

00:25:34.167 --> 00:25:36.216 them so you can understand them as

NOTE Confidence: 0.8231033

00:25:36.216 --> 00:25:39.258 they go by in the top panel of the slides,  
NOTE Confidence: 0.8231033

00:25:39.260 --> 00:25:40.730 I'm showing you crude mortality  
NOTE Confidence: 0.8231033

00:25:40.730 --> 00:25:42.200 rates per 100,000 person here,  
NOTE Confidence: 0.8231033

00:25:42.200 --> 00:25:43.964 which is the way we present  
NOTE Confidence: 0.8231033

00:25:43.964 --> 00:25:44.846 you know mortality,  
NOTE Confidence: 0.8231033

00:25:44.850 --> 00:25:46.614 and this is over the period  
NOTE Confidence: 0.8231033

00:25:46.614 --> 00:25:47.790 of follow up again.  
NOTE Confidence: 0.8231033

00:25:47.790 --> 00:25:48.422 The classification,  
NOTE Confidence: 0.8231033

00:25:48.422 --> 00:25:50.318 and here we're looking at education  
NOTE Confidence: 0.8231033

00:25:50.318 --> 00:25:52.336 is done at the time of the  
NOTE Confidence: 0.8231033

00:25:52.336 --> 00:25:53.666 American Community Survey in 2008,  
NOTE Confidence: 0.8231033

00:25:53.670 --> 00:25:55.170 and in the bottom you're looking  
NOTE Confidence: 0.8231033

00:25:55.170 --> 00:25:56.966 at at had results from Cox  
NOTE Confidence: 0.8231033

00:25:56.966 --> 00:25:58.076 proportional hazards models.  
NOTE Confidence: 0.8231033

00:25:58.080 --> 00:26:00.208 So these are hazards ratios that have  
NOTE Confidence: 0.8231033

00:26:00.208 --> 00:26:02.338 been adjusted for all those things and.

NOTE Confidence: 0.8231033

00:26:02.340 --> 00:26:03.104 Fine print,

NOTE Confidence: 0.8231033

00:26:03.104 --> 00:26:05.396 which are a variety of socioeconomic

NOTE Confidence: 0.8231033

00:26:05.396 --> 00:26:08.457 measures as well as they've got a 6 item

NOTE Confidence: 0.8231033

00:26:08.457 --> 00:26:10.439 measure of functional disability now.

NOTE Confidence: 0.8231033

00:26:10.440 --> 00:26:14.200 So if we look at this at the level of

NOTE Confidence: 0.8231033

00:26:14.311 --> 00:26:18.077 education at the time of this survey.

NOTE Confidence: 0.8231033

00:26:18.080 --> 00:26:21.050 We can see that we can see these gradients,

NOTE Confidence: 0.8231033

00:26:21.050 --> 00:26:22.370 especially for poisoning and

NOTE Confidence: 0.8231033

00:26:22.370 --> 00:26:23.360 chronic liver disease,

NOTE Confidence: 0.8231033

00:26:23.360 --> 00:26:24.965 with the highest risk among

NOTE Confidence: 0.8231033

00:26:24.965 --> 00:26:26.945 people with lowest level of formal

NOTE Confidence: 0.8231033

00:26:26.945 --> 00:26:28.835 education and below when we look

NOTE Confidence: 0.8231033

00:26:28.835 --> 00:26:30.948 at the hazards of mortality again,

NOTE Confidence: 0.8231033

00:26:30.950 --> 00:26:32.475 adjusted problems factors we see

NOTE Confidence: 0.8231033

00:26:32.475 --> 00:26:34.394 that for suicide there's a slight

NOTE Confidence: 0.8231033



00:26:34.394 --> 00:26:35.758 increased risk associated with  
NOTE Confidence: 0.8231033

00:26:35.758 --> 00:26:37.880 having less than a bachelors degree.  
NOTE Confidence: 0.8231033

00:26:37.880 --> 00:26:39.845 It's similar and somewhat stronger  
NOTE Confidence: 0.8231033

00:26:39.845 --> 00:26:41.810 for chronic liver disease mortality  
NOTE Confidence: 0.8231033

00:26:41.869 --> 00:26:43.813 at the most robust gradient is  
NOTE Confidence: 0.8231033

00:26:43.813 --> 00:26:44.785 for poisoning deaths.  
NOTE Confidence: 0.8231033

00:26:44.790 --> 00:26:46.502 Across these different levels  
NOTE Confidence: 0.8231033

00:26:46.502 --> 00:26:47.786 of of education.  
NOTE Confidence: 0.8231033

00:26:47.790 --> 00:26:51.112 So in a similar way, turning to employment.  
NOTE Confidence: 0.8231033

00:26:51.112 --> 00:26:53.476 We similarly see an Association between  
NOTE Confidence: 0.8231033

00:26:53.476 --> 00:26:55.651 not being employed and the risk of  
NOTE Confidence: 0.8231033

00:26:55.651 --> 00:26:57.818 each of these two causes of death.  
NOTE Confidence: 0.8231033

00:26:57.820 --> 00:26:59.044 In the unadjusted,  
NOTE Confidence: 0.8231033

00:26:59.044 --> 00:27:00.268 crude results above.  
NOTE Confidence: 0.8231033

00:27:00.270 --> 00:27:01.940 And in the adjusted analysis,  
NOTE Confidence: 0.8231033

00:27:01.940 --> 00:27:05.188 it's against stronger for poisoning in front

NOTE Confidence: 0.8231033

00:27:05.188 --> 00:27:08.409 of liver disease than it is for suicide.

NOTE Confidence: 0.8231033

00:27:08.410 --> 00:27:10.000 If we look at income,

NOTE Confidence: 0.8231033

00:27:10.000 --> 00:27:12.460 we see this now familiar pattern.

NOTE Confidence: 0.8231033

00:27:12.460 --> 00:27:15.550 With higher crude rates suicide.

NOTE Confidence: 0.8231033

00:27:15.550 --> 00:27:17.300 Poisoning and chronic liver disease

NOTE Confidence: 0.8231033

00:27:17.300 --> 00:27:19.050 deaths associated with lower income,

NOTE Confidence: 0.8231033

00:27:19.050 --> 00:27:21.636 specially high rates of poisoning deaths

NOTE Confidence: 0.8231033

00:27:21.636 --> 00:27:24.409 among people with net income losses.

NOTE Confidence: 0.8231033

00:27:24.410 --> 00:27:26.726 An in the adjusted analysis below.

NOTE Confidence: 0.8231033

00:27:26.730 --> 00:27:27.885 These associations have

NOTE Confidence: 0.8231033

00:27:27.885 --> 00:27:29.040 been largely absorbed,

NOTE Confidence: 0.8231033

00:27:29.040 --> 00:27:30.584 perhaps because of correlations

NOTE Confidence: 0.8231033

00:27:30.584 --> 00:27:32.514 among the social network variables.

NOTE Confidence: 0.8231033

00:27:32.520 --> 00:27:33.292 But however,

NOTE Confidence: 0.8231033

00:27:33.292 --> 00:27:34.836 even after adjusting for

NOTE Confidence: 0.8231033

00:27:34.836 --> 00:27:36.380 all of these factors,  
NOTE Confidence: 0.8231033

00:27:36.380 --> 00:27:38.762 the lowest income groups have significantly  
NOTE Confidence: 0.8231033

00:27:38.762 --> 00:27:40.350 increased hazards of poisoning  
NOTE Confidence: 0.8231033

00:27:40.404 --> 00:27:42.546 mortality in relation to highest groups,  
NOTE Confidence: 0.8231033

00:27:42.550 --> 00:27:44.920 and finally.  
NOTE Confidence: 0.8231033

00:27:44.920 --> 00:27:46.306 Considering marital status.  
NOTE Confidence: 0.8231033

00:27:46.306 --> 00:27:48.616 Adults who are separated divorced  
NOTE Confidence: 0.8231033

00:27:48.616 --> 00:27:51.039 have high crude mortality rates,  
NOTE Confidence: 0.8231033

00:27:51.040 --> 00:27:52.815 higher rates than the other  
NOTE Confidence: 0.8231033

00:27:52.815 --> 00:27:54.590 arrow statuses for all three  
NOTE Confidence: 0.74625355

00:27:54.663 --> 00:27:56.748 causes of death, and widowed adults,  
NOTE Confidence: 0.74625355

00:27:56.748 --> 00:27:58.884 likely because of their older age.  
NOTE Confidence: 0.74625355

00:27:58.890 --> 00:28:02.380 I didn't mention this before, but.  
NOTE Confidence: 0.74625355

00:28:02.380 --> 00:28:04.750 The chronic liver disease deaths occur  
NOTE Confidence: 0.74625355

00:28:04.750 --> 00:28:07.577 at much older ages and this at most.  
NOTE Confidence: 0.74625355

00:28:07.580 --> 00:28:09.116 With these reports related to alcoholism,

NOTE Confidence: 0.74625355

00:28:09.120 --> 00:28:10.918 and it takes many years, you know,

NOTE Confidence: 0.74625355

00:28:10.918 --> 00:28:12.188 for people that develop alcohol

NOTE Confidence: 0.74625355

00:28:12.188 --> 00:28:13.254 related hepatitis and cirrhosis

NOTE Confidence: 0.74625355

00:28:13.254 --> 00:28:14.778 can be stretched out over decades,

NOTE Confidence: 0.74625355

00:28:14.780 --> 00:28:16.642 and so that's an older group and

NOTE Confidence: 0.74625355

00:28:16.642 --> 00:28:18.628 that's why you see that as you see,

NOTE Confidence: 0.74625355

00:28:18.630 --> 00:28:22.398 the higher rates among those who are widowed.

NOTE Confidence: 0.74625355

00:28:22.400 --> 00:28:25.120 An in below the adjusted hazards tell the

NOTE Confidence: 0.74625355

00:28:25.120 --> 00:28:27.408 similar story with the highest hazards,

NOTE Confidence: 0.74625355

00:28:27.410 --> 00:28:28.709 especially for poisoning.

NOTE Confidence: 0.74625355

00:28:28.709 --> 00:28:30.874 Deaths were separated or sparseness

NOTE Confidence: 0.74625355

00:28:30.874 --> 00:28:32.989 compared to married individuals.

NOTE Confidence: 0.74625355

00:28:32.990 --> 00:28:35.800 So lot of numbers price,

NOTE Confidence: 0.74625355

00:28:35.800 --> 00:28:37.936 but to summarize them.

NOTE Confidence: 0.74625355

00:28:37.936 --> 00:28:41.140 Suicide poisoning a chronic liver disease.

NOTE Confidence: 0.74625355

00:28:41.140 --> 00:28:42.532 The so called death,  
NOTE Confidence: 0.74625355

00:28:42.532 --> 00:28:43.924 despair made roughly equal  
NOTE Confidence: 0.74625355

00:28:43.924 --> 00:28:45.220 contributions to mortality.  
NOTE Confidence: 0.74625355

00:28:45.220 --> 00:28:46.704 Men are particularly vulnerable.  
NOTE Confidence: 0.74625355

00:28:46.704 --> 00:28:48.930 Accidental poisoning appears to be the  
NOTE Confidence: 0.74625355

00:28:48.986 --> 00:28:51.030 most sensitive and suicide the least to  
NOTE Confidence: 0.74625355

00:28:51.030 --> 00:28:53.380 these markers of socioeconomic disadvantage,  
NOTE Confidence: 0.74625355

00:28:53.380 --> 00:28:54.258 and again,  
NOTE Confidence: 0.74625355

00:28:54.258 --> 00:28:55.136 it's separated.  
NOTE Confidence: 0.74625355

00:28:55.136 --> 00:28:57.331 Divorced adults not employed individuals  
NOTE Confidence: 0.74625355

00:28:57.331 --> 00:29:00.057 are at high risk and to a lesser extent,  
NOTE Confidence: 0.74625355

00:29:00.060 --> 00:29:02.082 so we're low income people and  
NOTE Confidence: 0.74625355

00:29:02.082 --> 00:29:04.140 those with less formal education.  
NOTE Confidence: 0.74625355

00:29:04.140 --> 00:29:06.558 All of this.  
NOTE Confidence: 0.74625355

00:29:06.560 --> 00:29:08.989 I think provides some support for the  
NOTE Confidence: 0.74625355

00:29:08.989 --> 00:29:11.050 possibility and only the possibility.

NOTE Confidence: 0.74625355

00:29:11.050 --> 00:29:13.786 That that social policies that aim

NOTE Confidence: 0.74625355

00:29:13.786 --> 00:29:15.610 to improve occupational opportunities

NOTE Confidence: 0.74625355

00:29:15.681 --> 00:29:18.303 and financial security seek to improve

NOTE Confidence: 0.74625355

00:29:18.303 --> 00:29:20.488 educational attainment and try to

NOTE Confidence: 0.74625355

00:29:20.488 --> 00:29:22.323 diminish or lessen social isolation

NOTE Confidence: 0.74625355

00:29:22.323 --> 00:29:24.802 that they might and I emphasize,

NOTE Confidence: 0.74625355

00:29:24.802 --> 00:29:28.309 might have long term benefits in terms

NOTE Confidence: 0.74625355

00:29:28.309 --> 00:29:31.790 of lower risk of death to despair.

NOTE Confidence: 0.74625355

00:29:31.790 --> 00:29:32.400 Now.

NOTE Confidence: 0.830936

00:29:34.980 --> 00:29:37.507 One related issue that dig into the

NOTE Confidence: 0.830936

00:29:37.507 --> 00:29:40.081 weeds a little bit here that interests

NOTE Confidence: 0.830936

00:29:40.081 --> 00:29:43.252 me is the extent to which Desta Dispara

NOTE Confidence: 0.830936

00:29:43.252 --> 00:29:46.174 Flamel logically related to one another.

NOTE Confidence: 0.830936

00:29:46.180 --> 00:29:47.988 Specifically, what is relationship

NOTE Confidence: 0.830936

00:29:47.988 --> 00:29:50.248 between suicide and opioid overdose

NOTE Confidence: 0.830936

00:29:50.248 --> 00:29:52.178 deaths at the most basic level?  
NOTE Confidence: 0.830936

00:29:52.180 --> 00:29:54.030 It's conceivable that many opioid  
NOTE Confidence: 0.830936

00:29:54.030 --> 00:29:55.880 overdose deaths are in fact  
NOTE Confidence: 0.830936

00:29:55.947 --> 00:29:58.102 intentional suicide events and that  
NOTE Confidence: 0.830936

00:29:58.102 --> 00:30:00.257 the opioid overdose crisis overlap.  
NOTE Confidence: 0.830936

00:30:00.260 --> 00:30:01.650 Apps with the suicidal crisis.  
NOTE Confidence: 0.830936

00:30:01.650 --> 00:30:02.742 When I say crisis,  
NOTE Confidence: 0.830936

00:30:02.742 --> 00:30:04.380 I mean these gradual upward trends  
NOTE Confidence: 0.830936

00:30:04.437 --> 00:30:06.131 that I showed you in the national  
NOTE Confidence: 0.830936

00:30:06.131 --> 00:30:08.131 data over the last 20 years was  
NOTE Confidence: 0.830936

00:30:08.131 --> 00:30:09.347 particularly steep for opioid  
NOTE Confidence: 0.830936

00:30:09.347 --> 00:30:12.408 deaths over the last several years.  
NOTE Confidence: 0.830936

00:30:12.410 --> 00:30:15.028 So people who had not fail opioid  
NOTE Confidence: 0.830936

00:30:15.028 --> 00:30:17.038 overdoses might be at increased  
NOTE Confidence: 0.830936

00:30:17.038 --> 00:30:19.468 risk for suicide and vice versa.  
NOTE Confidence: 0.830936

00:30:19.470 --> 00:30:21.798 And given you know there's some

NOTE Confidence: 0.830936  
00:30:21.798 --> 00:30:23.810 commonality in their social economic  
NOTE Confidence: 0.830936  
00:30:23.810 --> 00:30:26.519 risk factors that I've just shown you,  
NOTE Confidence: 0.830936  
00:30:26.520 --> 00:30:28.388 these aren't unreasonable speculations.  
NOTE Confidence: 0.830936  
00:30:28.388 --> 00:30:31.883 So this issue kind of caught my interest  
NOTE Confidence: 0.830936  
00:30:31.883 --> 00:30:34.355 went about a year and a half ago.  
NOTE Confidence: 0.830936  
00:30:34.360 --> 00:30:36.640 The director's event IMHO and  
NOTE Confidence: 0.830936  
00:30:36.640 --> 00:30:38.920 Night a issued a warning.  
NOTE Confidence: 0.830936  
00:30:38.920 --> 00:30:40.350 Or not really a warning,  
NOTE Confidence: 0.830936  
00:30:40.350 --> 00:30:42.518 but a message that you see here that  
NOTE Confidence: 0.830936  
00:30:42.518 --> 00:30:44.493 suicide deaths are a major component of  
NOTE Confidence: 0.830936  
00:30:44.493 --> 00:30:46.619 the opioid crisis that must be addressed.  
NOTE Confidence: 0.830936  
00:30:46.620 --> 00:30:49.116 And this was a clear signal from the  
NOTE Confidence: 0.830936  
00:30:49.116 --> 00:30:50.759 federal leadership that they believe  
NOTE Confidence: 0.830936  
00:30:50.759 --> 00:30:52.985 that there was really a tight linkage.  
NOTE Confidence: 0.830936  
00:30:52.990 --> 00:30:54.880 Between suicide and the opioid  
NOTE Confidence: 0.830936



00:30:54.880 --> 00:30:56.770 epidemic San space to be.  
NOTE Confidence: 0.830936

00:30:56.770 --> 00:30:58.660 If you read this thing,  
NOTE Confidence: 0.830936

00:30:58.660 --> 00:31:00.886 it's based primarily on the observation  
NOTE Confidence: 0.830936

00:31:00.886 --> 00:31:03.077 that opioids are often involved in  
NOTE Confidence: 0.830936

00:31:03.077 --> 00:31:04.692 non fatal suicide attempts that  
NOTE Confidence: 0.830936

00:31:04.692 --> 00:31:06.979 show up in emergency Department,  
NOTE Confidence: 0.830936

00:31:06.980 --> 00:31:09.524 so that isn't actually deaths but  
NOTE Confidence: 0.830936

00:31:09.524 --> 00:31:12.155 non fatal events and so it led  
NOTE Confidence: 0.830936

00:31:12.155 --> 00:31:14.775 me to wonder is it in fact true  
NOTE Confidence: 0.830936

00:31:14.775 --> 00:31:17.570 that that suicide opioid over  
NOTE Confidence: 0.830936

00:31:17.570 --> 00:31:19.247 deaths substantially overlap?  
NOTE Confidence: 0.830936

00:31:19.250 --> 00:31:21.259 And if you look at national data  
NOTE Confidence: 0.830936

00:31:21.259 --> 00:31:23.824 on that and trend data from the  
NOTE Confidence: 0.830936

00:31:23.824 --> 00:31:25.456 perspective of suicide deaths,  
NOTE Confidence: 0.830936

00:31:25.460 --> 00:31:28.910 you can see on this graph that is really an.  
NOTE Confidence: 0.830936

00:31:28.910 --> 00:31:30.980 These are certified deaths and of

NOTE Confidence: 0.830936  
00:31:30.980 --> 00:31:32.360 course can be misclassification,  
NOTE Confidence: 0.830936  
00:31:32.360 --> 00:31:35.426 but there's really very little evidence.  
NOTE Confidence: 0.830936  
00:31:35.430 --> 00:31:37.712 That opioids are involved in a significant  
NOTE Confidence: 0.830936  
00:31:37.712 --> 00:31:39.688 or increasing share of suicide deaths.  
NOTE Confidence: 0.830936  
00:31:39.690 --> 00:31:40.683 In United States.  
NOTE Confidence: 0.830936  
00:31:40.683 --> 00:31:43.701 It's that thin orange line you see at the  
NOTE Confidence: 0.830936  
00:31:43.701 --> 00:31:45.927 bottom of the graphs actually have to.  
NOTE Confidence: 0.830936  
00:31:45.930 --> 00:31:47.570 Although it's an increasing number,  
NOTE Confidence: 0.830936  
00:31:47.570 --> 00:31:48.914 it's a declining proportion  
NOTE Confidence: 0.830936  
00:31:48.914 --> 00:31:50.930 because it's if you think about  
NOTE Confidence: 0.830936  
00:31:50.987 --> 00:31:52.805 the rising base rate of suicide,  
NOTE Confidence: 0.830936  
00:31:52.810 --> 00:31:55.762 and if you flip this around as we did,  
NOTE Confidence: 0.830936  
00:31:55.770 --> 00:31:57.898 you can see that it's also true  
NOTE Confidence: 0.830936  
00:31:57.898 --> 00:31:59.551 that suicide represents a small  
NOTE Confidence: 0.830936  
00:31:59.551 --> 00:32:01.241 and declining proportion of opioid  
NOTE Confidence: 0.830936

00:32:01.241 --> 00:32:03.308 overdose deaths in the United States.  
NOTE Confidence: 0.830936

00:32:03.310 --> 00:32:05.578 So even if we were to.  
NOTE Confidence: 0.830936

00:32:05.580 --> 00:32:08.107 Include all of the deaths in which  
NOTE Confidence: 0.830936

00:32:08.107 --> 00:32:10.054 it's not possible to determine  
NOTE Confidence: 0.830936

00:32:10.054 --> 00:32:12.034 the intent of the overdose,  
NOTE Confidence: 0.830936

00:32:12.040 --> 00:32:15.080 and these are what are referred to therein.  
NOTE Confidence: 0.830936

00:32:15.080 --> 00:32:17.342 The Gray line is the Undetermined  
NOTE Confidence: 0.830936

00:32:17.342 --> 00:32:19.639 desk unit you would still see.  
NOTE Confidence: 0.830936

00:32:19.640 --> 00:32:22.680 It's still the case that a great majority,  
NOTE Confidence: 0.830936

00:32:22.680 --> 00:32:24.960 an increasing majority of these deaths.  
NOTE Confidence: 0.830936

00:32:24.960 --> 00:32:27.485 Opioid overdose deaths would be  
NOTE Confidence: 0.830936

00:32:27.485 --> 00:32:29.505 accidental or unintentional intent.  
NOTE Confidence: 0.830936

00:32:29.510 --> 00:32:30.216 Now, Interestingly,  
NOTE Confidence: 0.830936

00:32:30.216 --> 00:32:33.779 what I kind of went too far there there now.  
NOTE Confidence: 0.830936

00:32:33.780 --> 00:32:35.204 Interesting when we stratified  
NOTE Confidence: 0.830936

00:32:35.204 --> 00:32:37.340 by age group that last slide,

NOTE Confidence: 0.830936

00:32:37.340 --> 00:32:39.458 we see that suicide deaths do

NOTE Confidence: 0.830936

00:32:39.458 --> 00:32:40.870 represent a larger proportion

NOTE Confidence: 0.81552655

00:32:40.934 --> 00:32:42.694 of the female than male

NOTE Confidence: 0.81552655

00:32:42.694 --> 00:32:43.750 opioid overdose deaths.

NOTE Confidence: 0.81552655

00:32:43.750 --> 00:32:45.822 You see that there on the left

NOTE Confidence: 0.81552655

00:32:45.822 --> 00:32:48.100 hand side of the slide and a

NOTE Confidence: 0.81552655

00:32:48.100 --> 00:32:50.080 larger portion of the older than

NOTE Confidence: 0.81552655

00:32:50.155 --> 00:32:52.287 younger opiate overdose deaths,

NOTE Confidence: 0.81552655

00:32:52.290 --> 00:32:54.426 and this may be because females,

NOTE Confidence: 0.81552655

00:32:54.430 --> 00:32:56.566 as compared with master side S,

NOTE Confidence: 0.81552655

00:32:56.570 --> 00:32:57.785 generally involve ingestion's

NOTE Confidence: 0.81552655

00:32:57.785 --> 00:32:59.810 and less often involve firearms.

NOTE Confidence: 0.81552655

00:32:59.810 --> 00:33:01.745 And because suicide deaths among

NOTE Confidence: 0.81552655

00:33:01.745 --> 00:33:04.550 older people more often occur in the

NOTE Confidence: 0.81552655

00:33:04.550 --> 00:33:06.555 setting of chronic medical conditions,

NOTE Confidence: 0.81552655

00:33:06.560 --> 00:33:09.234 many of which are painful and therefore

NOTE Confidence: 0.81552655

00:33:09.234 --> 00:33:11.320 are often treated with opioids.

NOTE Confidence: 0.81552655

00:33:11.320 --> 00:33:14.057 So it's not surprising to see opioids

NOTE Confidence: 0.81552655

00:33:14.057 --> 00:33:17.276 show up in urine or blood of older,

NOTE Confidence: 0.81552655

00:33:17.280 --> 00:33:20.008 older suicide decedents now.

NOTE Confidence: 0.81552655

00:33:20.010 --> 00:33:20.970 Now just come.

NOTE Confidence: 0.81552655

00:33:20.970 --> 00:33:22.890 Just because most opioid overdose deaths

NOTE Confidence: 0.81552655

00:33:22.890 --> 00:33:24.743 are intentional doesn't mean that

NOTE Confidence: 0.81552655

00:33:24.743 --> 00:33:26.957 suicide and opioid overdose deaths are

NOTE Confidence: 0.81552655

00:33:27.012 --> 00:33:29.020 entirely distinct clinical phenomena.

NOTE Confidence: 0.81552655

00:33:29.020 --> 00:33:29.740 In fact,

NOTE Confidence: 0.81552655

00:33:29.740 --> 00:33:31.540 there's some evidence that these

NOTE Confidence: 0.81552655

00:33:31.540 --> 00:33:33.484 are related processes in the sense

NOTE Confidence: 0.81552655

00:33:33.484 --> 00:33:35.092 that they Co occur more often

NOTE Confidence: 0.81552655

00:33:35.092 --> 00:33:36.966 than one would expect by chance.

NOTE Confidence: 0.81552655

00:33:36.970 --> 00:33:38.836 So here results from an analysis

NOTE Confidence: 0.81552655

00:33:38.836 --> 00:33:40.470 of the nice arc data,

NOTE Confidence: 0.81552655

00:33:40.470 --> 00:33:42.350 and that's a large nationally

NOTE Confidence: 0.81552655

00:33:42.350 --> 00:33:43.102 representative household

NOTE Confidence: 0.81552655

00:33:43.102 --> 00:33:44.599 epidemiological survey that was

NOTE Confidence: 0.81552655

00:33:44.599 --> 00:33:46.169 performed by Julian Santiago Tenorio.

NOTE Confidence: 0.81552655

00:33:46.170 --> 00:33:47.766 He was at Columbia.

NOTE Confidence: 0.81552655

00:33:47.766 --> 00:33:50.750 And it reveals in this first slide.

NOTE Confidence: 0.81552655

00:33:50.750 --> 00:33:53.036 Here we're looking at the lifetime

NOTE Confidence: 0.81552655

00:33:53.036 --> 00:33:54.560 rates of suicide ideations

NOTE Confidence: 0.81552655

00:33:54.625 --> 00:33:56.500 and attempts among two groups,

NOTE Confidence: 0.81552655

00:33:56.500 --> 00:33:58.786 those with and without past year.

NOTE Confidence: 0.81552655

00:33:58.790 --> 00:34:00.322 Prescription opioid use disorder,

NOTE Confidence: 0.81552655

00:34:00.322 --> 00:34:03.437 and you see that they have those with

NOTE Confidence: 0.81552655

00:34:03.437 --> 00:34:05.687 the prescription abuse or have much,

NOTE Confidence: 0.81552655

00:34:05.690 --> 00:34:07.850 much higher lifetime rates of of

NOTE Confidence: 0.81552655

00:34:07.850 --> 00:34:09.900 reporting suicidal ideations and reporting.

NOTE Confidence: 0.81552655

00:34:09.900 --> 00:34:11.892 Having made an attempt,

NOTE Confidence: 0.81552655

00:34:11.892 --> 00:34:14.382 this is becomes more interesting

NOTE Confidence: 0.81552655

00:34:14.382 --> 00:34:16.733 when you look prospectively one

NOTE Confidence: 0.81552655

00:34:16.733 --> 00:34:19.630 of the things about the 1st 2.

NOTE Confidence: 0.81552655

00:34:19.630 --> 00:34:20.850 Sir, nice are surveys.

NOTE Confidence: 0.81552655

00:34:20.850 --> 00:34:21.765 Is there link?

NOTE Confidence: 0.81552655

00:34:21.770 --> 00:34:24.074 There are two waves of 1 sample three

NOTE Confidence: 0.81552655

00:34:24.074 --> 00:34:26.512 years apart and what we found here is

NOTE Confidence: 0.81552655

00:34:26.512 --> 00:34:28.089 that even after extensive adjustment

NOTE Confidence: 0.81552655

00:34:28.089 --> 00:34:30.308 for a wide range of factors that

NOTE Confidence: 0.81552655

00:34:30.308 --> 00:34:33.290 are listed below there you can see.

NOTE Confidence: 0.81552655

00:34:33.290 --> 00:34:35.190 That that as compared to

NOTE Confidence: 0.81552655

00:34:35.190 --> 00:34:36.330 those without pasture,

NOTE Confidence: 0.81552655

00:34:36.330 --> 00:34:38.766 non medical opioid use or disorder at

NOTE Confidence: 0.81552655

00:34:38.766 --> 00:34:41.544 wave one those with the non medical

NOTE Confidence: 0.81552655

00:34:41.544 --> 00:34:43.619 opioid use were significantly more

NOTE Confidence: 0.81552655

00:34:43.619 --> 00:34:45.919 likely to develop to develop suicidal

NOTE Confidence: 0.81552655

00:34:45.919 --> 00:34:48.716 ideations as you see on this slide

NOTE Confidence: 0.81552655

00:34:48.716 --> 00:34:51.674 here over the ensuing three years.

NOTE Confidence: 0.81552655

00:34:51.680 --> 00:34:54.236 Now we also looked at a suicide attempt here,

NOTE Confidence: 0.81552655

00:34:54.240 --> 00:34:56.504 and as you can see on the right,

NOTE Confidence: 0.81552655

00:34:56.510 --> 00:34:57.930 we didn't find a signal.

NOTE Confidence: 0.81552655

00:34:57.930 --> 00:34:59.470 But you can also see that they

NOTE Confidence: 0.81552655

00:34:59.470 --> 00:35:00.800 are very wide confidence intervals

NOTE Confidence: 0.81552655

00:35:00.800 --> 00:35:02.970 and it's my own sense that these

NOTE Confidence: 0.81552655

00:35:02.970 --> 00:35:04.180 analysis are underpowered,

NOTE Confidence: 0.81552655

00:35:04.180 --> 00:35:06.292 but I showed them to you so that

NOTE Confidence: 0.81552655

00:35:06.292 --> 00:35:08.149 you can make what you make,

NOTE Confidence: 0.81552655

00:35:08.150 --> 00:35:10.740 what you will of them in a.

NOTE Confidence: 0.81552655

00:35:10.740 --> 00:35:12.440 I'm on a related topic.

NOTE Confidence: 0.8027417



00:35:14.750 --> 00:35:18.035 And this is an analysis of the nested data.

NOTE Confidence: 0.8027417

00:35:18.040 --> 00:35:19.860 It's another large epidemiologic survey.

NOTE Confidence: 0.8027417

00:35:19.860 --> 00:35:21.685 It's of the civilian non

NOTE Confidence: 0.8027417

00:35:21.685 --> 00:35:22.415 institutionalized population.

NOTE Confidence: 0.8027417

00:35:22.420 --> 00:35:24.570 Hillary samples.

NOTE Confidence: 0.8027417

00:35:24.570 --> 00:35:27.114 This is a post actually is now an

NOTE Confidence: 0.8027417

00:35:27.114 --> 00:35:28.480 assistant professor at Rutgers.

NOTE Confidence: 0.8027417

00:35:28.480 --> 00:35:30.496 I'm pleased to say she similarly

NOTE Confidence: 0.8027417

00:35:30.496 --> 00:35:32.719 found that if you look at her,

NOTE Confidence: 0.8027417

00:35:32.720 --> 00:35:34.230 she's doing a propensity score

NOTE Confidence: 0.8027417

00:35:34.230 --> 00:35:36.172 weighting based on a wide range

NOTE Confidence: 0.8027417

00:35:36.172 --> 00:35:38.032 of clinical variables and social

NOTE Confidence: 0.8027417

00:35:38.032 --> 00:35:39.520 economic variables that adults

NOTE Confidence: 0.8027417

00:35:39.582 --> 00:35:41.328 with past year opioid misuse which

NOTE Confidence: 0.8027417

00:35:41.328 --> 00:35:43.228 I'm showing here on the right,

NOTE Confidence: 0.8027417

00:35:43.228 --> 00:35:45.412 were more likely to report suicidal

NOTE Confidence: 0.8027417

00:35:45.412 --> 00:35:47.981 ideations in the past year and plans then

NOTE Confidence: 0.8027417

00:35:47.981 --> 00:35:50.650 were people with no opioid use on the left.

NOTE Confidence: 0.8027417

00:35:50.650 --> 00:35:53.162 And in fact that no abuse in those

NOTE Confidence: 0.8027417

00:35:53.162 --> 00:35:55.427 the medical produced in the middle.

NOTE Confidence: 0.8027417

00:35:55.430 --> 00:35:57.800 Look very similar and again,

NOTE Confidence: 0.8027417

00:35:57.800 --> 00:36:00.160 it's similar to Julian's work.

NOTE Confidence: 0.8027417

00:36:00.160 --> 00:36:03.394 It's suggesting that there's a connection

NOTE Confidence: 0.8027417

00:36:03.394 --> 00:36:07.080 between opioid misuse and suicidal behavior.

NOTE Confidence: 0.8027417

00:36:07.080 --> 00:36:09.170 Now these sorts of findings.

NOTE Confidence: 0.05135092

00:36:11.300 --> 00:36:17.428 Razum an interesting conceptual issue.

NOTE Confidence: 0.05135092

00:36:17.430 --> 00:36:19.901 But should we embrace a unified perspective

NOTE Confidence: 0.05135092

00:36:19.901 --> 00:36:21.906 to intentional and unintentional injury

NOTE Confidence: 0.05135092

00:36:21.906 --> 00:36:24.570 that emphasizes there she shared social

NOTE Confidence: 0.05135092

00:36:24.570 --> 00:36:26.600 determinants like economic adversity,

NOTE Confidence: 0.05135092

00:36:26.600 --> 00:36:28.705 as I've been emphasizing this

NOTE Confidence: 0.05135092

00:36:28.705 --> 00:36:30.810 morning or maybe even biological  
NOTE Confidence: 0.05135092

00:36:30.878 --> 00:36:32.708 risk factors like impulsivity and  
NOTE Confidence: 0.05135092

00:36:32.708 --> 00:36:35.360 so should we kind of conception,  
NOTE Confidence: 0.05135092

00:36:35.360 --> 00:36:37.024 lumped together into sexualize  
NOTE Confidence: 0.05135092

00:36:37.024 --> 00:36:39.950 them as self injury or self harm?  
NOTE Confidence: 0.05135092

00:36:39.950 --> 00:36:40.770 Or Alternatively,  
NOTE Confidence: 0.05135092

00:36:40.770 --> 00:36:42.820 should we assume the traditional  
NOTE Confidence: 0.05135092

00:36:42.820 --> 00:36:44.541 psychological perspective that distinguishes  
NOTE Confidence: 0.05135092

00:36:44.541 --> 00:36:47.127 the motivation of overdoses and considers  
NOTE Confidence: 0.05135092

00:36:47.127 --> 00:36:48.980 unintentional and intentional overdoses?  
NOTE Confidence: 0.05135092

00:36:48.980 --> 00:36:50.410 As discrete or separate phenomenon.  
NOTE Confidence: 0.05135092

00:36:50.410 --> 00:36:51.830 Now most mental health professionals,  
NOTE Confidence: 0.05135092

00:36:51.830 --> 00:36:54.007 of course adhere to the latter perspective  
NOTE Confidence: 0.05135092

00:36:54.007 --> 00:36:55.538 that psychological perspective and you know,  
NOTE Confidence: 0.05135092

00:36:55.540 --> 00:36:57.250 if you think I'm from Columbia,  
NOTE Confidence: 0.05135092

00:36:57.250 --> 00:36:58.093 so you know,

NOTE Confidence: 0.05135092

00:36:58.093 --> 00:36:59.779 I think about the Columbia suicide

NOTE Confidence: 0.05135092

00:36:59.779 --> 00:37:01.518 Severity Rating scale and that scale.

NOTE Confidence: 0.05135092

00:37:01.520 --> 00:37:02.950 Like all suicide scale places,

NOTE Confidence: 0.05135092

00:37:02.950 --> 00:37:04.300 great emphasis on intentionality as

NOTE Confidence: 0.05135092

00:37:04.300 --> 00:37:06.080 this in quinone of suicidal behavior.

NOTE Confidence: 0.05135092

00:37:06.080 --> 00:37:08.136 But I want to point out that there

NOTE Confidence: 0.05135092

00:37:08.136 --> 00:37:09.947 are dissenting voices out there and

NOTE Confidence: 0.05135092

00:37:09.947 --> 00:37:11.492 they're calling a little louder.

NOTE Confidence: 0.05135092

00:37:11.500 --> 00:37:13.488 I think over the last several years.

NOTE Confidence: 0.05135092

00:37:13.490 --> 00:37:15.555 And here's a quote in Rocket and

NOTE Confidence: 0.05135092

00:37:15.555 --> 00:37:17.200 his colleagues are one of them.

NOTE Confidence: 0.05135092

00:37:17.200 --> 00:37:19.704 And here's a quote from from his work.

NOTE Confidence: 0.05135092

00:37:19.710 --> 00:37:21.606 Suicide and lethal overdoses often share

NOTE Confidence: 0.05135092

00:37:21.606 --> 00:37:23.304 many of the antecedent characteristics

NOTE Confidence: 0.05135092

00:37:23.304 --> 00:37:25.170 in terms of emotional, behavioral,

NOTE Confidence: 0.05135092

00:37:25.170 --> 00:37:26.530 familial, and social disruptions.  
NOTE Confidence: 0.05135092

00:37:26.530 --> 00:37:29.311 He goes on to say the label of accident  
NOTE Confidence: 0.05135092

00:37:29.311 --> 00:37:32.196 is served as a default determination.  
NOTE Confidence: 0.05135092

00:37:32.200 --> 00:37:33.898 When definitive approximal  
NOTE Confidence: 0.05135092

00:37:33.898 --> 00:37:38.160 evidence remains uncertain, so.  
NOTE Confidence: 0.05135092

00:37:38.160 --> 00:37:38.774 So again,  
NOTE Confidence: 0.05135092

00:37:38.774 --> 00:37:40.923 there's this question about how much are  
NOTE Confidence: 0.05135092

00:37:40.923 --> 00:37:43.260 these sort of all one phenomena versus  
NOTE Confidence: 0.05135092

00:37:43.260 --> 00:37:45.069 discrete phenomenon and and this is,  
NOTE Confidence: 0.05135092

00:37:45.070 --> 00:37:45.698 I apologize,  
NOTE Confidence: 0.05135092

00:37:45.698 --> 00:37:47.268 somewhat of a confusing slide.  
NOTE Confidence: 0.05135092

00:37:47.270 --> 00:37:49.454 I'll try to walk you through it.  
NOTE Confidence: 0.05135092

00:37:49.460 --> 00:37:51.658 This is from our own work here.  
NOTE Confidence: 0.05135092

00:37:51.660 --> 00:37:53.550 I'm putting together two different studies,  
NOTE Confidence: 0.05135092

00:37:53.550 --> 00:37:54.782 two different studies involved  
NOTE Confidence: 0.05135092

00:37:54.782 --> 00:37:56.322 linking Medicaid data claims to

NOTE Confidence: 0.05135092

00:37:56.322 --> 00:37:57.939 the National Index Death Index.

NOTE Confidence: 0.05135092

00:37:57.940 --> 00:38:00.160 So we're following people who are

NOTE Confidence: 0.05135092

00:38:00.160 --> 00:38:01.971 in the emergency Department and

NOTE Confidence: 0.05135092

00:38:01.971 --> 00:38:03.798 looking out over a year to see

NOTE Confidence: 0.05135092

00:38:03.798 --> 00:38:05.477 who dies and what we found.

NOTE Confidence: 0.05135092

00:38:05.480 --> 00:38:07.984 There is an what I'm bringing together again,

NOTE Confidence: 0.05135092

00:38:07.990 --> 00:38:08.956 or the risks.

NOTE Confidence: 0.05135092

00:38:08.956 --> 00:38:10.888 Of suicide in the year following

NOTE Confidence: 0.05135092

00:38:10.888 --> 00:38:13.056 suicide attempts an in the year

NOTE Confidence: 0.05135092

00:38:13.056 --> 00:38:14.841 following non fatal opioid overdose.

NOTE Confidence: 0.05135092

00:38:14.850 --> 00:38:17.098 And if you just focus on the female

NOTE Confidence: 0.05135092

00:38:17.098 --> 00:38:19.433 then those two histograms and blue and

NOTE Confidence: 0.05135092

00:38:19.433 --> 00:38:21.939 yellow there are roughly the same height.

NOTE Confidence: 0.05135092

00:38:21.940 --> 00:38:24.252 What that this in fact is showing even

NOTE Confidence: 0.05135092

00:38:24.252 --> 00:38:26.449 though it's from two different studies.

NOTE Confidence: 0.05135092

00:38:26.450 --> 00:38:27.926 The methods are similar.  
NOTE Confidence: 0.05135092

00:38:27.926 --> 00:38:29.771 We are finding similar risks  
NOTE Confidence: 0.05135092

00:38:29.771 --> 00:38:31.259 at the group level.  
NOTE Confidence: 0.05135092

00:38:31.260 --> 00:38:34.347 So that is a woman showing up into the  
NOTE Confidence: 0.05135092

00:38:34.347 --> 00:38:36.700 emergency Department with a non fatal  
NOTE Confidence: 0.05135092

00:38:36.700 --> 00:38:39.490 suicide attempt is just as likely over  
NOTE Confidence: 0.05135092

00:38:39.490 --> 00:38:42.220 the following year to die of suicide,  
NOTE Confidence: 0.05135092

00:38:42.220 --> 00:38:44.884 as is a woman who shows up with a  
NOTE Confidence: 0.05135092

00:38:44.884 --> 00:38:47.510 non fatal opioid overdose event.  
NOTE Confidence: 0.05135092

00:38:47.510 --> 00:38:49.355 Some sense the opioid overdose  
NOTE Confidence: 0.05135092

00:38:49.355 --> 00:38:51.670 and a suicide attempt for women,  
NOTE Confidence: 0.05135092

00:38:51.670 --> 00:38:53.938 at least according to these analysis,  
NOTE Confidence: 0.05135092

00:38:53.940 --> 00:38:55.448 are risks, risk equivalents.  
NOTE Confidence: 0.05135092

00:38:55.448 --> 00:38:57.333 But let me emphasize this,  
NOTE Confidence: 0.05135092

00:38:57.340 --> 00:38:59.686 showing similar risks at the group  
NOTE Confidence: 0.05135092

00:38:59.686 --> 00:39:02.369 level like this isn't the same thing.

NOTE Confidence: 0.05135092

00:39:02.370 --> 00:39:04.526 Is showing at an individual level and

NOTE Confidence: 0.05135092

00:39:04.526 --> 00:39:07.451 that so it isn't yet demonstrated that

NOTE Confidence: 0.05135092

00:39:07.451 --> 00:39:09.861 people who make unintentional suicide

NOTE Confidence: 0.05135092

00:39:09.861 --> 00:39:12.374 overdoses are equally at risk for

NOTE Confidence: 0.05135092

00:39:12.374 --> 00:39:14.334 both fatal unintentional and suicidal

NOTE Confidence: 0.833633

00:39:14.340 --> 00:39:17.105 fatal events, as might be expected under

NOTE Confidence: 0.833633

00:39:17.105 --> 00:39:19.542 the assumption under the robust assumption

NOTE Confidence: 0.833633

00:39:19.542 --> 00:39:21.912 of the unified self injury model.

NOTE Confidence: 0.833633

00:39:21.920 --> 00:39:26.520 So to put that concept to the test.

NOTE Confidence: 0.833633

00:39:26.520 --> 00:39:28.941 What we did is we found a cohort of

NOTE Confidence: 0.833633

00:39:28.941 --> 00:39:31.103 patients who presented the California

NOTE Confidence: 0.833633

00:39:31.103 --> 00:39:32.935 Emergency Department with either

NOTE Confidence: 0.833633

00:39:32.935 --> 00:39:35.108 accidental or intentional non fatal

NOTE Confidence: 0.833633

00:39:35.108 --> 00:39:37.093 overdoses to evaluate their risk

NOTE Confidence: 0.833633

00:39:37.093 --> 00:39:39.024 of suicide and accidental overdose

NOTE Confidence: 0.833633



00:39:39.024 --> 00:39:40.914 deaths over the following year.  
NOTE Confidence: 0.833633

00:39:40.920 --> 00:39:43.194 Sort of similar to the studies  
NOTE Confidence: 0.833633

00:39:43.194 --> 00:39:44.710 I've just shown you,  
NOTE Confidence: 0.833633

00:39:44.710 --> 00:39:46.990 but here we're following individuals now.  
NOTE Confidence: 0.833633

00:39:46.990 --> 00:39:48.594 If accidental and intentional  
NOTE Confidence: 0.833633

00:39:48.594 --> 00:39:50.198 groups have similar proportionate  
NOTE Confidence: 0.833633

00:39:50.198 --> 00:39:52.287 risks of these types of deaths,  
NOTE Confidence: 0.833633

00:39:52.290 --> 00:39:54.180 it would support the unified  
NOTE Confidence: 0.833633

00:39:54.180 --> 00:39:55.746 self injury perspective, right?  
NOTE Confidence: 0.833633

00:39:55.746 --> 00:39:57.450 People would travel along.  
NOTE Confidence: 0.833633

00:39:57.450 --> 00:39:58.722 With the same proportionality,  
NOTE Confidence: 0.833633

00:39:58.722 --> 00:40:00.312 they travel along that those.  
NOTE Confidence: 0.833633

00:40:00.320 --> 00:40:03.300 Blue lines as the black lines, right?  
NOTE Confidence: 0.7919499

00:40:05.450 --> 00:40:09.095 But but if it were the other way around,  
NOTE Confidence: 0.7919499

00:40:09.100 --> 00:40:11.506 and if fatal accident overdoses, right?  
NOTE Confidence: 0.7919499

00:40:11.506 --> 00:40:13.822 Just say if non fatal accidental

NOTE Confidence: 0.7919499

00:40:13.822 --> 00:40:15.477 overdoses had greater risk

NOTE Confidence: 0.7919499

00:40:15.477 --> 00:40:17.197 of fatal accidental overdose,

NOTE Confidence: 0.7919499

00:40:17.200 --> 00:40:19.223 then of than those with non fatal

NOTE Confidence: 0.7919499

00:40:19.223 --> 00:40:21.693 overdose then it would support the

NOTE Confidence: 0.7919499

00:40:21.693 --> 00:40:23.235 traditional psychological perspective

NOTE Confidence: 0.7919499

00:40:23.235 --> 00:40:24.777 that emphasizes intentionality

NOTE Confidence: 0.7919499

00:40:24.777 --> 00:40:26.918 as a central defining feature.

NOTE Confidence: 0.7919499

00:40:26.920 --> 00:40:29.248 People would be much more likely

NOTE Confidence: 0.7919499

00:40:29.248 --> 00:40:31.779 to travel along the black lines.

NOTE Confidence: 0.7919499

00:40:31.780 --> 00:40:33.860 The accidental non fatal overdoses

NOTE Confidence: 0.7919499

00:40:33.860 --> 00:40:36.340 would be in greatly increased risk.

NOTE Confidence: 0.7919499

00:40:36.340 --> 00:40:37.972 Fatal accidental overdoses and

NOTE Confidence: 0.7919499

00:40:37.972 --> 00:40:40.012 those with intentional not fatal

NOTE Confidence: 0.7919499

00:40:40.012 --> 00:40:42.112 events would be a greatly increased

NOTE Confidence: 0.7919499

00:40:42.112 --> 00:40:44.040 risk for suicide deaths and not.

NOTE Confidence: 0.7919499

00:40:44.040 --> 00:40:46.240 Up for the related concepts.  
NOTE Confidence: 0.7919499

00:40:46.240 --> 00:40:49.600 So if you as you can see from  
NOTE Confidence: 0.7919499

00:40:49.600 --> 00:40:51.060 the results here.  
NOTE Confidence: 0.8123006

00:40:53.420 --> 00:40:55.036 The findings provide support  
NOTE Confidence: 0.8123006

00:40:55.036 --> 00:40:56.248 for both perspectives.  
NOTE Confidence: 0.8123006

00:40:56.250 --> 00:40:58.134 Suicide risks are here in yellow  
NOTE Confidence: 0.8123006

00:40:58.134 --> 00:41:00.370 and that they are greater for  
NOTE Confidence: 0.8123006

00:41:00.370 --> 00:41:02.660 patients with non fatal intentional  
NOTE Confidence: 0.8123006

00:41:02.660 --> 00:41:04.730 overdoses than accidental overdoses.  
NOTE Confidence: 0.8123006

00:41:04.730 --> 00:41:07.226 While the risks of accidental overdose  
NOTE Confidence: 0.8123006

00:41:07.226 --> 00:41:09.720 death risk circling blue were much  
NOTE Confidence: 0.8123006

00:41:09.720 --> 00:41:12.000 greater for patients with non fatal,  
NOTE Confidence: 0.8123006

00:41:12.000 --> 00:41:13.700 accidental and intentional overdoses,  
NOTE Confidence: 0.8123006

00:41:13.700 --> 00:41:16.250 so this differential mortality risks with  
NOTE Confidence: 0.8123006

00:41:16.313 --> 00:41:18.467 non fatal overdoses by intense supports.  
NOTE Confidence: 0.8123006

00:41:18.470 --> 00:41:20.990 The clinical utility of distinguishing

NOTE Confidence: 0.8123006

00:41:20.990 --> 00:41:23.510 non fatal overdoses by intent.

NOTE Confidence: 0.8123006

00:41:23.510 --> 00:41:25.255 However, if you look at

NOTE Confidence: 0.8123006

00:41:25.255 --> 00:41:27.000 that findings on the right,

NOTE Confidence: 0.8123006

00:41:27.000 --> 00:41:29.016 which look quite the same in

NOTE Confidence: 0.8123006

00:41:29.016 --> 00:41:30.840 terms of their their shape,

NOTE Confidence: 0.8123006

00:41:30.840 --> 00:41:32.610 but the scale has changed and

NOTE Confidence: 0.8123006

00:41:32.610 --> 00:41:34.680 the scale here is standardized,

NOTE Confidence: 0.8123006

00:41:34.680 --> 00:41:36.196 mortality rates rate ratios.

NOTE Confidence: 0.8123006

00:41:36.196 --> 00:41:38.855 Those are the extent to which people

NOTE Confidence: 0.8123006

00:41:38.855 --> 00:41:41.367 are more likely to die of these causes

NOTE Confidence: 0.8123006

00:41:41.367 --> 00:41:43.787 of death than would be expected on

NOTE Confidence: 0.8123006

00:41:43.787 --> 00:41:45.498 the from the general population,

NOTE Confidence: 0.8123006

00:41:45.498 --> 00:41:47.238 based on their demographic characteristics.

NOTE Confidence: 0.8123006

00:41:47.240 --> 00:41:49.592 And here you see that all the groups

NOTE Confidence: 0.8123006

00:41:49.592 --> 00:41:51.905 have greatly elevated risks for external

NOTE Confidence: 0.8123006

00:41:51.905 --> 00:41:53.975 cause mortality across the groups.  
NOTE Confidence: 0.8123006

00:41:53.980 --> 00:41:56.220 And that if you focus on the fact  
NOTE Confidence: 0.8123006

00:41:56.220 --> 00:41:58.506 that there are much greater than one.  
NOTE Confidence: 0.8123006

00:41:58.510 --> 00:42:00.688 Is innocence supportive of this unified  
NOTE Confidence: 0.8123006

00:42:00.688 --> 00:42:02.140 self injury conceptualisation that  
NOTE Confidence: 0.8123006

00:42:02.189 --> 00:42:04.249 emphasizes common underlying determinants,  
NOTE Confidence: 0.8123006

00:42:04.250 --> 00:42:06.030 either social or biological,  
NOTE Confidence: 0.8123006

00:42:06.030 --> 00:42:08.700 that might that might contribute to  
NOTE Confidence: 0.8123006

00:42:08.775 --> 00:42:11.623 their risks or the other causes of death.  
NOTE Confidence: 0.8123006

00:42:11.630 --> 00:42:14.500 So a clinical implication of all this,  
NOTE Confidence: 0.8123006

00:42:14.500 --> 00:42:17.124 and I realize that it's it's a little  
NOTE Confidence: 0.8123006

00:42:17.124 --> 00:42:20.357 bit in the weeds is that probably makes  
NOTE Confidence: 0.8123006

00:42:20.357 --> 00:42:22.613 good sense to integrate substance  
NOTE Confidence: 0.8123006

00:42:22.613 --> 00:42:25.158 use and mental health services,  
NOTE Confidence: 0.8123006

00:42:25.160 --> 00:42:26.940 particularly in an emergency  
NOTE Confidence: 0.8123006

00:42:26.940 --> 00:42:29.165 Department where these people present.

NOTE Confidence: 0.8123006

00:42:29.170 --> 00:42:30.985 And to carefully evaluate people

NOTE Confidence: 0.8123006

00:42:30.985 --> 00:42:32.800 making suicidal overdoses that involve

NOTE Confidence: 0.8123006

00:42:32.859 --> 00:42:34.857 opioids for the possibility that they

NOTE Confidence: 0.8123006

00:42:34.857 --> 00:42:36.600 actually have an underlying opioid,

NOTE Confidence: 0.8123006

00:42:36.600 --> 00:42:37.948 use disorder, for example,

NOTE Confidence: 0.8123006

00:42:37.948 --> 00:42:39.970 and to evaluate those making would

NOTE Confidence: 0.8123006

00:42:40.029 --> 00:42:41.909 appear to be accidental overdoses.

NOTE Confidence: 0.8123006

00:42:41.910 --> 00:42:43.378 People with opioid people,

NOTE Confidence: 0.8123006

00:42:43.378 --> 00:42:45.213 drug strong drug related histories

NOTE Confidence: 0.8123006

00:42:45.213 --> 00:42:47.188 for the possibility when they show

NOTE Confidence: 0.8123006

00:42:47.188 --> 00:42:49.174 up in your merchant with overdose

NOTE Confidence: 0.8123006

00:42:49.174 --> 00:42:51.034 that they're actually suicidal and

NOTE Confidence: 0.8123006

00:42:51.034 --> 00:42:52.881 may need mental health care.

NOTE Confidence: 0.8123006

00:42:52.881 --> 00:42:54.987 And that simply referring them to

NOTE Confidence: 0.8123006

00:42:54.987 --> 00:42:57.668 our back to a substance use center

NOTE Confidence: 0.8123006

00:42:57.668 --> 00:42:59.220 may not be sufficient.  
NOTE Confidence: 0.8123006

00:42:59.220 --> 00:43:01.908 So you know in a sense.  
NOTE Confidence: 0.8123006

00:43:01.910 --> 00:43:03.510 These results aren't too surprising,  
NOTE Confidence: 0.8123006

00:43:03.510 --> 00:43:05.498 yet that in it because in addition  
NOTE Confidence: 0.8123006

00:43:05.498 --> 00:43:07.461 to the shared socio economic risk  
NOTE Confidence: 0.8123006

00:43:07.461 --> 00:43:09.904 factors that I focused on this morning,  
NOTE Confidence: 0.8123006

00:43:09.910 --> 00:43:11.830 there's also evidence from a bunch  
NOTE Confidence: 0.8123006

00:43:11.830 --> 00:43:12.790 of prior research.  
NOTE Confidence: 0.8123006

00:43:12.790 --> 00:43:15.150 I won't go into detail that suicide and  
NOTE Confidence: 0.8123006

00:43:15.150 --> 00:43:16.823 opioid overdose deaths have several  
NOTE Confidence: 0.8123006

00:43:16.823 --> 00:43:18.863 similar or shared other risk factors,  
NOTE Confidence: 0.8123006

00:43:18.870 --> 00:43:22.070 and you see some of them on the slide here.  
NOTE Confidence: 0.8123006

00:43:22.070 --> 00:43:23.990 Things like depression and Evers child  
NOTE Confidence: 0.8123006

00:43:23.990 --> 00:43:26.035 experiences, severe medical illnesses,  
NOTE Confidence: 0.8123006

00:43:26.035 --> 00:43:27.760 especially those involving.  
NOTE Confidence: 0.8123006

00:43:27.760 --> 00:43:30.778 Painful medical conditions.

NOTE Confidence: 0.8123006

00:43:30.780 --> 00:43:33.260 So.

NOTE Confidence: 0.8123006

00:43:33.260 --> 00:43:36.074 Before closing I I wanted to turn

NOTE Confidence: 0.8123006

00:43:36.074 --> 00:43:38.576 briefly to some planned research that

NOTE Confidence: 0.8123006

00:43:38.576 --> 00:43:41.890 I hope to be doing over the next.

NOTE Confidence: 0.8123006

00:43:41.890 --> 00:43:43.770 As it's several years several

NOTE Confidence: 0.8123006

00:43:43.770 --> 00:43:46.080 years now over the last year.

NOTE Confidence: 0.8123006

00:43:46.080 --> 00:43:48.234 So during the pandemic there's been

NOTE Confidence: 0.8123006

00:43:48.234 --> 00:43:49.670 considerable concern about the

NOTE Confidence: 0.8123006

00:43:49.730 --> 00:43:51.800 psychological fallout of the pandemic,

NOTE Confidence: 0.8123006

00:43:51.800 --> 00:43:53.416 and there's apprehension over

NOTE Confidence: 0.8123006

00:43:53.416 --> 00:43:55.436 consequences related not only to

NOTE Confidence: 0.8123006

00:43:55.436 --> 00:43:57.718 things like job losses and evictions

NOTE Confidence: 0.8123006

00:43:57.718 --> 00:43:59.959 and bankruptcies and high levels of

NOTE Confidence: 0.8123006

00:43:59.959 --> 00:44:01.774 personal distress and social and

NOTE Confidence: 0.8123006

00:44:01.774 --> 00:44:03.719 personal bonds that become afraid.

NOTE Confidence: 0.8123006



00:44:03.719 --> 00:44:05.675 There's grieving and mourning  
NOTE Confidence: 0.8123006

00:44:05.675 --> 00:44:08.120 the loss of loved ones.  
NOTE Confidence: 0.85559124

00:44:08.120 --> 00:44:10.120 Parents coming under great stress,  
NOTE Confidence: 0.85559124

00:44:10.120 --> 00:44:12.120 having to home school children,  
NOTE Confidence: 0.85559124

00:44:12.120 --> 00:44:14.962 and the difficulty set up that poses  
NOTE Confidence: 0.85559124

00:44:14.962 --> 00:44:17.678 especially for people who don't have access  
NOTE Confidence: 0.85559124

00:44:17.678 --> 00:44:20.520 or have limited access to the Internet.  
NOTE Confidence: 0.85559124

00:44:20.520 --> 00:44:22.730 People living in congregate living  
NOTE Confidence: 0.85559124

00:44:22.730 --> 00:44:25.343 situations are at particularly high risk  
NOTE Confidence: 0.85559124

00:44:25.343 --> 00:44:27.716 and under great stress from the virus,  
NOTE Confidence: 0.85559124

00:44:27.720 --> 00:44:31.014 and I'm an interested in understanding  
NOTE Confidence: 0.85559124

00:44:31.014 --> 00:44:33.910 the effects of financial crises.  
NOTE Confidence: 0.85559124

00:44:33.910 --> 00:44:35.458 On suicide and and  
NOTE Confidence: 0.85559124

00:44:35.458 --> 00:44:36.619 substance related overdose.  
NOTE Confidence: 0.85559124

00:44:36.620 --> 00:44:38.420 An in order to target efforts  
NOTE Confidence: 0.85559124

00:44:38.420 --> 00:44:41.013 to rent or at least buffer or

NOTE Confidence: 0.85559124

00:44:41.013 --> 00:44:43.653 ameliorate the harmful effects at an

NOTE Confidence: 0.85559124

00:44:43.653 --> 00:44:45.908 individual level of suicidal crises,

NOTE Confidence: 0.85559124

00:44:45.910 --> 00:44:47.745 we need to understand something

NOTE Confidence: 0.85559124

00:44:47.745 --> 00:44:49.580 about their vulnerability and the

NOTE Confidence: 0.85559124

00:44:49.642 --> 00:44:51.250 vulnerability of economic strain

NOTE Confidence: 0.85559124

00:44:51.250 --> 00:44:53.260 to suicide and opioid overdose.

NOTE Confidence: 0.85559124

00:44:53.260 --> 00:44:55.200 And I can tell you,

NOTE Confidence: 0.85559124

00:44:55.200 --> 00:44:56.748 at a population level,

NOTE Confidence: 0.85559124

00:44:56.748 --> 00:44:59.070 it's not really very satisfying research.

NOTE Confidence: 0.85559124

00:44:59.070 --> 00:45:01.284 There tends to be an increase

NOTE Confidence: 0.85559124

00:45:01.284 --> 00:45:03.440 in suicide rates of roughly.

NOTE Confidence: 0.85559124

00:45:03.440 --> 00:45:06.208 .7 per 100,000 for every 1% increase there is

NOTE Confidence: 0.85559124

00:45:06.208 --> 00:45:08.680 an unemployment over the course of the year,

NOTE Confidence: 0.85559124

00:45:08.680 --> 00:45:10.522 but that's a very general observation

NOTE Confidence: 0.85559124

00:45:10.522 --> 00:45:11.443 from International Studies,

NOTE Confidence: 0.85559124

00:45:11.450 --> 00:45:12.634 and it's very imprecise,  
NOTE Confidence: 0.85559124

00:45:12.634 --> 00:45:15.413 and it likely varies a great deal with things  
NOTE Confidence: 0.85559124

00:45:15.413 --> 00:45:17.604 like the strength of the social safety,  
NOTE Confidence: 0.85559124

00:45:17.610 --> 00:45:17.918 net,  
NOTE Confidence: 0.85559124

00:45:17.918 --> 00:45:19.458 availability of formal informal supports,  
NOTE Confidence: 0.85559124

00:45:19.460 --> 00:45:22.568 and a whole host of other factors.  
NOTE Confidence: 0.85559124

00:45:22.570 --> 00:45:24.746 But it turns out we know very little  
NOTE Confidence: 0.85559124

00:45:24.746 --> 00:45:27.520 about the fact of financial crises on the  
NOTE Confidence: 0.85559124

00:45:27.520 --> 00:45:29.560 individuals risk for suicidal behavior,  
NOTE Confidence: 0.85559124

00:45:29.560 --> 00:45:32.168 and that's the topic that I hope to  
NOTE Confidence: 0.85559124

00:45:32.168 --> 00:45:34.558 be studying over the next few years.  
NOTE Confidence: 0.85559124

00:45:34.560 --> 00:45:36.891 And one of the things that motivated  
NOTE Confidence: 0.85559124

00:45:36.891 --> 00:45:39.878 me to study this with some work that I  
NOTE Confidence: 0.85559124

00:45:39.878 --> 00:45:42.550 that was done again with that nice arc,  
NOTE Confidence: 0.85559124

00:45:42.550 --> 00:45:45.147 first two waves that I mentioned before  
NOTE Confidence: 0.85559124

00:45:45.147 --> 00:45:47.210 large epidemiological study done by an Hill.

NOTE Confidence: 0.85559124  
00:45:47.210 --> 00:45:49.328 Garcia la Garza.  
NOTE Confidence: 0.85559124  
00:45:49.330 --> 00:45:51.647 Who is a doctoral candidate at Columbia?  
NOTE Confidence: 0.85559124  
00:45:51.650 --> 00:45:53.018 I've worked with me.  
NOTE Confidence: 0.85559124  
00:45:53.018 --> 00:45:55.777 What he did was have to say it  
NOTE Confidence: 0.85559124  
00:45:55.777 --> 00:45:58.265 was a real Tour de force on Hill.  
NOTE Confidence: 0.85559124  
00:45:58.270 --> 00:46:00.545 Took the entire nice arc and there  
NOTE Confidence: 0.85559124  
00:46:00.545 --> 00:46:02.568 are 3000 different variables in it.  
NOTE Confidence: 0.85559124  
00:46:02.570 --> 00:46:04.794 It's a long interview from Wave One and  
NOTE Confidence: 0.85559124  
00:46:04.794 --> 00:46:07.540 then he you use machine learning techniques.  
NOTE Confidence: 0.85559124  
00:46:07.540 --> 00:46:09.640 He tuned to balanced random forest  
NOTE Confidence: 0.85559124  
00:46:09.640 --> 00:46:11.380 analysis with ten fold cross  
NOTE Confidence: 0.85559124  
00:46:11.380 --> 00:46:13.540 validation and so in and in a way  
NOTE Confidence: 0.85559124  
00:46:13.540 --> 00:46:15.480 that doesn't impose any theory.  
NOTE Confidence: 0.85559124  
00:46:15.480 --> 00:46:17.713 He's looking to see at which of  
NOTE Confidence: 0.85559124  
00:46:17.713 --> 00:46:19.434 these 3000 variables that were  
NOTE Confidence: 0.85559124

00:46:19.434 --> 00:46:21.184 collected at wave one predict.  
NOTE Confidence: 0.85559124

00:46:21.190 --> 00:46:23.182 A suicide attempt over the following  
NOTE Confidence: 0.85559124

00:46:23.182 --> 00:46:25.570 three years and then he and you know  
NOTE Confidence: 0.85559124

00:46:25.570 --> 00:46:27.455 you come out with all these explanatory  
NOTE Confidence: 0.85559124

00:46:27.455 --> 00:46:30.335 power in terms of the area under the curve.  
NOTE Confidence: 0.85559124

00:46:30.340 --> 00:46:32.461 I won't bore you with the details  
NOTE Confidence: 0.85559124

00:46:32.461 --> 00:46:33.700 of the model fit,  
NOTE Confidence: 0.85559124

00:46:33.700 --> 00:46:35.220 but was interesting to me.  
NOTE Confidence: 0.85559124

00:46:35.220 --> 00:46:37.324 I think relevant to my to my my  
NOTE Confidence: 0.85559124

00:46:37.324 --> 00:46:39.256 interest was the ranking of variable  
NOTE Confidence: 0.85559124

00:46:39.256 --> 00:46:41.630 importance and this is the right here.  
NOTE Confidence: 0.85559124

00:46:41.630 --> 00:46:43.979 You see the list of the top ten of  
NOTE Confidence: 0.85559124

00:46:43.979 --> 00:46:46.308 those things from this list of 3000  
NOTE Confidence: 0.85559124

00:46:46.308 --> 00:46:48.322 variables and this is derived if  
NOTE Confidence: 0.85559124

00:46:48.322 --> 00:46:50.471 by taking one variable at a time  
NOTE Confidence: 0.85559124

00:46:50.471 --> 00:46:52.300 and looking at how it changes,

NOTE Confidence: 0.85559124

00:46:52.300 --> 00:46:55.212 the overall fit of the model, you can.

NOTE Confidence: 0.85559124

00:46:55.212 --> 00:46:57.917 Driver ranking it's not surprising.

NOTE Confidence: 0.85559124

00:46:57.920 --> 00:46:59.064 From a clinical perspective,

NOTE Confidence: 0.85559124

00:46:59.064 --> 00:47:01.661 that right at the top of the list is

NOTE Confidence: 0.85559124

00:47:01.661 --> 00:47:03.586 the people who three years earlier said

NOTE Confidence: 0.8467864

00:47:03.644 --> 00:47:05.478 they felt like they wanted to die.

NOTE Confidence: 0.8467864

00:47:05.480 --> 00:47:06.880 They would that that single

NOTE Confidence: 0.8467864

00:47:06.880 --> 00:47:08.000 variable was the strongest,

NOTE Confidence: 0.8467864

00:47:08.000 --> 00:47:09.232 predicting suicide attempts over

NOTE Confidence: 0.8467864

00:47:09.232 --> 00:47:11.080 the following three years and that

NOTE Confidence: 0.8467864

00:47:11.128 --> 00:47:12.888 you see the other two behind it or

NOTE Confidence: 0.8467864

00:47:12.888 --> 00:47:14.438 quite closely connected with suicide.

NOTE Confidence: 0.8467864

00:47:14.440 --> 00:47:16.400 And then there's a depression item age.

NOTE Confidence: 0.8467864

00:47:16.400 --> 00:47:18.374 We know that suicide attempts are

NOTE Confidence: 0.8467864

00:47:18.374 --> 00:47:20.332 highly dependent on age and they

NOTE Confidence: 0.8467864

00:47:20.332 --> 00:47:22.355 actually go down with age and the  
NOTE Confidence: 0.8467864

00:47:22.355 --> 00:47:24.378 highest risks are among young people.  
NOTE Confidence: 0.8467864

00:47:24.380 --> 00:47:26.546 Fortunately, most those are not hard,  
NOTE Confidence: 0.8467864

00:47:26.550 --> 00:47:27.198 non fatal.  
NOTE Confidence: 0.8467864

00:47:27.198 --> 00:47:29.466 And then there's an item about doing  
NOTE Confidence: 0.8467864

00:47:29.466 --> 00:47:31.654 things less carefully because emotional  
NOTE Confidence: 0.8467864

00:47:31.654 --> 00:47:34.354 problems and then directly following that.  
NOTE Confidence: 0.8467864

00:47:34.360 --> 00:47:36.348 Is this issue or the one I've  
NOTE Confidence: 0.8467864

00:47:36.348 --> 00:47:38.050 highlighted here that item dealing  
NOTE Confidence: 0.8467864

00:47:38.050 --> 00:47:40.035 with financial crises and bankruptcy,  
NOTE Confidence: 0.8467864

00:47:40.040 --> 00:47:40.823 and in fact,  
NOTE Confidence: 0.8467864

00:47:40.823 --> 00:47:43.134 four out of the top 20 most important  
NOTE Confidence: 0.8467864

00:47:43.134 --> 00:47:46.046 variables are related to jobs and income,  
NOTE Confidence: 0.8467864

00:47:46.050 --> 00:47:47.976 and so this provides some of  
NOTE Confidence: 0.8467864

00:47:47.976 --> 00:47:49.720 its at the individual level.  
NOTE Confidence: 0.8467864

00:47:49.720 --> 00:47:50.362 And again,

NOTE Confidence: 0.8467864

00:47:50.362 --> 00:47:52.609 it's very crude 'cause we only have

NOTE Confidence: 0.8467864

00:47:52.609 --> 00:47:54.809 this one measure and then three years

NOTE Confidence: 0.8467864

00:47:54.809 --> 00:47:57.545 later we have a self report thing about

NOTE Confidence: 0.8467864

00:47:57.545 --> 00:47:59.735 suicide attempts and we don't have

NOTE Confidence: 0.8467864

00:47:59.740 --> 00:48:01.726 any information on people who died

NOTE Confidence: 0.8467864

00:48:01.726 --> 00:48:03.749 of suicide during that time frame,

NOTE Confidence: 0.8467864

00:48:03.750 --> 00:48:05.134 but nonetheless it's consistent

NOTE Confidence: 0.8467864

00:48:05.134 --> 00:48:06.518 with this idea that.

NOTE Confidence: 0.8467864

00:48:06.520 --> 00:48:09.488 Financial crises are one of the things

NOTE Confidence: 0.8467864

00:48:09.488 --> 00:48:14.570 that predict future suicidal behavior, so.

NOTE Confidence: 0.8467864

00:48:14.570 --> 00:48:16.786 And so here's what I've been up to.

NOTE Confidence: 0.8467864

00:48:16.790 --> 00:48:18.998 Some of the mischief I'm up to now,

NOTE Confidence: 0.8467864

00:48:19.000 --> 00:48:21.100 so I've been working with my colleague

NOTE Confidence: 0.8467864

00:48:21.100 --> 00:48:23.197 and close friend Steve Marcus at the

NOTE Confidence: 0.8467864

00:48:23.197 --> 00:48:25.450 Penn School of Social Policy and Practice.

NOTE Confidence: 0.8467864



00:48:25.450 --> 00:48:26.910 And a colleague, Molly candidate.  
NOTE Confidence: 0.8467864

00:48:26.910 --> 00:48:28.050 But the Wharton school.  
NOTE Confidence: 0.8467864

00:48:28.050 --> 00:48:30.120 And we've been working with Trans Union.  
NOTE Confidence: 0.8467864

00:48:30.120 --> 00:48:31.288 There are consumer credit  
NOTE Confidence: 0.8467864

00:48:31.288 --> 00:48:32.164 rating reporting company.  
NOTE Confidence: 0.8467864

00:48:32.170 --> 00:48:32.710 It's amazing.  
NOTE Confidence: 0.8467864

00:48:32.710 --> 00:48:34.870 I mean they've got data on the credit  
NOTE Confidence: 0.8467864

00:48:34.929 --> 00:48:36.384 reporting scores that are updated  
NOTE Confidence: 0.8467864

00:48:36.384 --> 00:48:38.510 all the time from the great majority  
NOTE Confidence: 0.8467864

00:48:38.510 --> 00:48:40.340 of people in the United States.  
NOTE Confidence: 0.8467864

00:48:40.340 --> 00:48:41.508 Well over 200,000,000 people.  
NOTE Confidence: 0.8467864

00:48:41.508 --> 00:48:43.260 Basically anyone who's in the cache.  
NOTE Confidence: 0.8467864

00:48:43.260 --> 00:48:45.297 Kind of anyone who's getting a paycheck  
NOTE Confidence: 0.8467864

00:48:45.297 --> 00:48:47.930 or has a credit card or a debit card,  
NOTE Confidence: 0.8467864

00:48:47.930 --> 00:48:50.002 they have your credit rating score and  
NOTE Confidence: 0.8467864

00:48:50.002 --> 00:48:52.434 it changes all the time and we brought

NOTE Confidence: 0.8467864  
00:48:52.434 --> 00:48:54.650 them together with the people that opt in,  
NOTE Confidence: 0.8467864  
00:48:54.650 --> 00:48:56.074 which is so large.  
NOTE Confidence: 0.8467864  
00:48:56.074 --> 00:48:58.210 Part of the United Health Group  
NOTE Confidence: 0.8467864  
00:48:58.288 --> 00:49:00.584 and and we've got them to agree  
NOTE Confidence: 0.8467864  
00:49:00.584 --> 00:49:02.843 to merge their data to create  
NOTE Confidence: 0.8467864  
00:49:02.843 --> 00:49:04.848 a deidentified merge data set.  
NOTE Confidence: 0.8467864  
00:49:04.850 --> 00:49:06.660 We haven't yet done it.  
NOTE Confidence: 0.8467864  
00:49:06.660 --> 00:49:09.488 When that's well still ironing out the  
NOTE Confidence: 0.8467864  
00:49:09.488 --> 00:49:12.552 details to do it on a small scale so  
NOTE Confidence: 0.8467864  
00:49:12.552 --> 00:49:16.065 we can write it a grant to support this work,  
NOTE Confidence: 0.8467864  
00:49:16.070 --> 00:49:18.694 but the idea is to take this integrated  
NOTE Confidence: 0.8467864  
00:49:18.694 --> 00:49:21.251 database that has at the patient level  
NOTE Confidence: 0.8467864  
00:49:21.251 --> 00:49:23.081 consumer credit rating scores that  
NOTE Confidence: 0.8467864  
00:49:23.145 --> 00:49:25.035 fluctuate with claims histories and  
NOTE Confidence: 0.8467864  
00:49:25.035 --> 00:49:27.838 link them to the national death in.  
NOTE Confidence: 0.8467864

00:49:27.838 --> 00:49:31.016 And that will put us in position,  
NOTE Confidence: 0.8467864

00:49:31.020 --> 00:49:31.924 we believe.  
NOTE Confidence: 0.8467864

00:49:31.924 --> 00:49:35.540 To look at the effects of dramatic changes,  
NOTE Confidence: 0.8467864

00:49:35.540 --> 00:49:37.470 dramatic down grading of people's  
NOTE Confidence: 0.8467864

00:49:37.470 --> 00:49:39.372 credit rating scores, which are,  
NOTE Confidence: 0.8467864

00:49:39.372 --> 00:49:41.227 in a sense an individual  
NOTE Confidence: 0.8467864

00:49:41.227 --> 00:49:42.890 level of financial crisis,  
NOTE Confidence: 0.8467864

00:49:42.890 --> 00:49:45.086 and to see whether that impacts  
NOTE Confidence: 0.8467864

00:49:45.086 --> 00:49:47.529 people's future risks of drug overdose,  
NOTE Confidence: 0.8467864

00:49:47.530 --> 00:49:48.694 deaths and suicide.  
NOTE Confidence: 0.8467864

00:49:48.694 --> 00:49:49.470 And Moreover,  
NOTE Confidence: 0.8467864

00:49:49.470 --> 00:49:52.122 we were particularly interested in is  
NOTE Confidence: 0.8467864

00:49:52.122 --> 00:49:54.276 whether there are pre-existing factors  
NOTE Confidence: 0.8467864

00:49:54.276 --> 00:49:56.820 that you can see in the claims data.  
NOTE Confidence: 0.86124927

00:49:56.820 --> 00:50:00.393 So, for example, if a person has a history.  
NOTE Confidence: 0.86124927

00:50:00.400 --> 00:50:02.920 Depression. Does that make them particularly

NOTE Confidence: 0.86124927

00:50:02.920 --> 00:50:05.422 vulnerable in terms of their suicide

NOTE Confidence: 0.86124927

00:50:05.422 --> 00:50:08.054 and overdose risk to a financial crisis?

NOTE Confidence: 0.86124927

00:50:08.060 --> 00:50:10.153 Those are the kinds of questions that

NOTE Confidence: 0.86124927

00:50:10.153 --> 00:50:11.764 haven't really that I've wondered

NOTE Confidence: 0.86124927

00:50:11.764 --> 00:50:13.744 about but haven't really been able

NOTE Confidence: 0.86124927

00:50:13.744 --> 00:50:15.249 to interrogate it empirically,

NOTE Confidence: 0.86124927

00:50:15.250 --> 00:50:17.135 because thankfully, these causes of

NOTE Confidence: 0.86124927

00:50:17.135 --> 00:50:19.341 death are sufficiently rare that is

NOTE Confidence: 0.86124927

00:50:19.341 --> 00:50:21.140 hard to get a large enough sample,

NOTE Confidence: 0.86124927

00:50:21.140 --> 00:50:24.192 and to get detailed personal level data

NOTE Confidence: 0.86124927

00:50:24.192 --> 00:50:27.260 to actually probe these associations so.

NOTE Confidence: 0.86124927

00:50:27.260 --> 00:50:30.220 You know, so after many months of working.

NOTE Confidence: 0.86124927

00:50:30.220 --> 00:50:31.436 With these two companies,

NOTE Confidence: 0.86124927

00:50:31.436 --> 00:50:33.598 we're gotten them to enter into an

NOTE Confidence: 0.86124927

00:50:33.598 --> 00:50:35.544 agreement to link their data at where

NOTE Confidence: 0.86124927

00:50:35.544 --> 00:50:37.593 the process of getting a small sample  
NOTE Confidence: 0.86124927

00:50:37.593 --> 00:50:40.255 and building some pilot data for a grant  
NOTE Confidence: 0.86124927

00:50:40.255 --> 00:50:43.810 that we will be writing over this summer.  
NOTE Confidence: 0.86124927

00:50:43.810 --> 00:50:45.917 But there are some problems with this  
NOTE Confidence: 0.86124927

00:50:45.917 --> 00:50:48.350 thing that didn't occur to me when I  
NOTE Confidence: 0.86124927

00:50:48.350 --> 00:50:49.825 was thinking about this abstractly,  
NOTE Confidence: 0.86124927

00:50:49.830 --> 00:50:51.937 and that is that when people undergo  
NOTE Confidence: 0.86124927

00:50:51.937 --> 00:50:52.840 a financial crisis,  
NOTE Confidence: 0.86124927

00:50:52.840 --> 00:50:54.947 they often sadly lose their health insurance.  
NOTE Confidence: 0.86124927

00:50:54.950 --> 00:50:56.750 They lose their private health insurance,  
NOTE Confidence: 0.86124927

00:50:56.750 --> 00:50:59.760 which is what we can see in the optim data.  
NOTE Confidence: 0.86124927

00:50:59.760 --> 00:51:01.867 Some of them will stay on Cobra,  
NOTE Confidence: 0.86124927

00:51:01.870 --> 00:51:03.977 but so we will only really have  
NOTE Confidence: 0.86124927

00:51:03.977 --> 00:51:04.880 their death data.  
NOTE Confidence: 0.86124927

00:51:04.880 --> 00:51:06.987 We won't be able to see whether  
NOTE Confidence: 0.86124927

00:51:06.987 --> 00:51:07.890 after finish crisis,

NOTE Confidence: 0.86124927

00:51:07.890 --> 00:51:10.067 people have an increased risk of going

NOTE Confidence: 0.86124927

00:51:10.067 --> 00:51:11.331 second emergency Department within

NOTE Confidence: 0.86124927

00:51:11.331 --> 00:51:13.306 a non fatal suicide attempt, or it.

NOTE Confidence: 0.86124927

00:51:13.306 --> 00:51:15.392 Non fatal overdose and so forth will

NOTE Confidence: 0.86124927

00:51:15.392 --> 00:51:17.666 really only be able to study mortality,

NOTE Confidence: 0.86124927

00:51:17.670 --> 00:51:18.998 but nevertheless, you know,

NOTE Confidence: 0.86124927

00:51:18.998 --> 00:51:21.426 we hope to gain some insights on

NOTE Confidence: 0.86124927

00:51:21.426 --> 00:51:22.918 risks and protective factors.

NOTE Confidence: 0.86124927

00:51:22.920 --> 00:51:25.450 Based on claims histories of

NOTE Confidence: 0.86124927

00:51:25.450 --> 00:51:27.980 individuals prior to experiencing an

NOTE Confidence: 0.86124927

00:51:28.060 --> 00:51:30.432 individual financial crisis reflected

NOTE Confidence: 0.86124927

00:51:30.432 --> 00:51:32.804 in their claims scores.

NOTE Confidence: 0.86124927

00:51:32.810 --> 00:51:35.037 So if it works out, maybe.

NOTE Confidence: 0.86124927

00:51:35.037 --> 00:51:38.133 You can come back in a few years

NOTE Confidence: 0.86124927

00:51:38.133 --> 00:51:40.687 and tell you what we found.

NOTE Confidence: 0.86124927

00:51:40.690 --> 00:51:41.518 So in closing,  
NOTE Confidence: 0.86124927

00:51:41.518 --> 00:51:42.898 let me reiterate that people  
NOTE Confidence: 0.86124927

00:51:42.898 --> 00:51:44.749 who are financially vulnerable,  
NOTE Confidence: 0.86124927

00:51:44.750 --> 00:51:47.032 those who have don't work and have  
NOTE Confidence: 0.86124927

00:51:47.032 --> 00:51:48.948 less education appear to be an  
NOTE Confidence: 0.86124927

00:51:48.948 --> 00:51:50.403 increased risk for overdose deaths  
NOTE Confidence: 0.86124927

00:51:50.403 --> 00:51:52.602 and to a lesser degree chronic  
NOTE Confidence: 0.86124927

00:51:52.602 --> 00:51:54.542 liver disease and suicide mortality.  
NOTE Confidence: 0.86124927

00:51:54.550 --> 00:51:56.916 For these reasons, it it's you know,  
NOTE Confidence: 0.86124927

00:51:56.920 --> 00:51:58.740 it's possible that social policies  
NOTE Confidence: 0.86124927

00:51:58.740 --> 00:52:00.560 that support education and employment  
NOTE Confidence: 0.86124927

00:52:00.617 --> 00:52:02.375 might yield long term benefits in  
NOTE Confidence: 0.86124927

00:52:02.375 --> 00:52:04.010 reducing these deaths of despair.  
NOTE Confidence: 0.86124927

00:52:04.010 --> 00:52:06.055 However, also, and you know, I.  
NOTE Confidence: 0.86124927

00:52:06.055 --> 00:52:08.185 Realize all of you know this,  
NOTE Confidence: 0.86124927

00:52:08.190 --> 00:52:09.890 but I'll say it anyway,

NOTE Confidence: 0.86124927

00:52:09.890 --> 00:52:11.580 that these deaths is fair.

NOTE Confidence: 0.86124927

00:52:11.580 --> 00:52:13.280 While they have some overlapping

NOTE Confidence: 0.86124927

00:52:13.280 --> 00:52:14.300 socioeconomic risk factors,

NOTE Confidence: 0.86124927

00:52:14.300 --> 00:52:16.328 there are also very distinct clinical

NOTE Confidence: 0.86124927

00:52:16.328 --> 00:52:16.666 phenomenon.

NOTE Confidence: 0.86124927

00:52:16.670 --> 00:52:18.698 They call for different treatment and

NOTE Confidence: 0.86124927

00:52:18.698 --> 00:52:19.712 different rehabilitation approaches,

NOTE Confidence: 0.86124927

00:52:19.720 --> 00:52:21.270 and For these reasons improving

NOTE Confidence: 0.86124927

00:52:21.270 --> 00:52:23.248 access to substance use and mental

NOTE Confidence: 0.86124927

00:52:23.248 --> 00:52:24.720 health services will obviously

NOTE Confidence: 0.86124927

00:52:24.720 --> 00:52:26.560 also play a critically important

NOTE Confidence: 0.86124927

00:52:26.620 --> 00:52:28.200 role in achieving these goals.

NOTE Confidence: 0.86124927

00:52:28.200 --> 00:52:28.806 So Lastly,

NOTE Confidence: 0.86124927

00:52:28.806 --> 00:52:31.674 let me just say that I am really fortunate

NOTE Confidence: 0.86124927

00:52:31.674 --> 00:52:34.977 in being able to work with and learn from,

NOTE Confidence: 0.86124927



00:52:34.980 --> 00:52:35.841 such as Sarah.  
NOTE Confidence: 0.86124927

00:52:35.841 --> 00:52:37.563 Such a large and diverse group  
NOTE Confidence: 0.86124927

00:52:37.563 --> 00:52:39.289 of exceptionally talented.  
NOTE Confidence: 0.86124927

00:52:39.290 --> 00:52:40.214 And generous colleagues.  
NOTE Confidence: 0.86124927

00:52:40.214 --> 00:52:42.370 And here the ones whose work I  
NOTE Confidence: 0.86124927

00:52:42.428 --> 00:52:44.072 featured this morning and I want  
NOTE Confidence: 0.86124927

00:52:44.072 --> 00:52:46.070 to thank you for your attention.  
NOTE Confidence: 0.86124927

00:52:46.070 --> 00:52:48.219 I'm happy to take on other questions.  
NOTE Confidence: 0.8387357

00:52:50.200 --> 00:52:54.071 Thank you very much Mark for incredibly  
NOTE Confidence: 0.8387357

00:52:54.071 --> 00:52:56.960 stimulating and erudite presentation.  
NOTE Confidence: 0.8387357

00:52:56.960 --> 00:53:00.313 And demonstration of the scope of your  
NOTE Confidence: 0.8387357

00:53:00.313 --> 00:53:03.029 interests and ability to gather data.  
NOTE Confidence: 0.8387357

00:53:03.030 --> 00:53:07.224 I wanted to start by asking you one question,  
NOTE Confidence: 0.8387357

00:53:07.230 --> 00:53:08.379 a methodological question?  
NOTE Confidence: 0.8387357

00:53:08.379 --> 00:53:11.729 You've looked at the data at the individual  
NOTE Confidence: 0.8387357

00:53:11.729 --> 00:53:14.709 level and relationships between individuals,

NOTE Confidence: 0.8387357

00:53:14.710 --> 00:53:17.386 but much of the writing about

NOTE Confidence: 0.8387357

00:53:17.386 --> 00:53:20.310 it's true of case and Deaton.

NOTE Confidence: 0.8387357

00:53:20.310 --> 00:53:24.419 But also the writing about the opiate

NOTE Confidence: 0.8387357

00:53:24.419 --> 00:53:29.170 crisis is about the loss of community and.

NOTE Confidence: 0.8387357

00:53:29.170 --> 00:53:30.802 To their defense case,

NOTE Confidence: 0.8387357

00:53:30.802 --> 00:53:32.386 indeed, and you know,

NOTE Confidence: 0.8387357

00:53:32.386 --> 00:53:34.346 used deaths of despair as

NOTE Confidence: 0.8387357

00:53:34.346 --> 00:53:36.498 a kind of a shorthand,

NOTE Confidence: 0.8387357

00:53:36.500 --> 00:53:38.942 but they mainly were interested in

NOTE Confidence: 0.8387357

00:53:38.942 --> 00:53:40.570 geographic variability and locations,

NOTE Confidence: 0.8387357

00:53:40.570 --> 00:53:43.300 and I wondered if you thought of

NOTE Confidence: 0.8387357

00:53:43.300 --> 00:53:45.449 a way using your data.

NOTE Confidence: 0.8387357

00:53:45.450 --> 00:53:47.485 Most of these datasets don't

NOTE Confidence: 0.8387357

00:53:47.485 --> 00:53:48.299 identify communities,

NOTE Confidence: 0.8387357

00:53:48.300 --> 00:53:51.171 and I wonder if you've thought of a way

NOTE Confidence: 0.8387357

00:53:51.171 --> 00:53:54.117 of adding that dimension of Community  
NOTE Confidence: 0.8387357

00:53:54.117 --> 00:53:57.659 integration or social capital in a community.  
NOTE Confidence: 0.8387357

00:53:57.660 --> 00:54:00.276 As as as as a major risk factor.  
NOTE Confidence: 0.8387357

00:54:00.280 --> 00:54:01.592 In addition to these  
NOTE Confidence: 0.8387357

00:54:01.592 --> 00:54:02.248 individual characteristics,  
NOTE Confidence: 0.8387357

00:54:02.250 --> 00:54:03.890 you know that's a wonderful  
NOTE Confidence: 0.8387357

00:54:03.890 --> 00:54:04.874 question about and  
NOTE Confidence: 0.85752666

00:54:04.880 --> 00:54:06.830 I and the short answer is  
NOTE Confidence: 0.85752666

00:54:06.830 --> 00:54:08.480 somewhat a little bit you.  
NOTE Confidence: 0.85752666

00:54:08.480 --> 00:54:11.088 This M DAG data that I showed those  
NOTE Confidence: 0.85752666

00:54:11.088 --> 00:54:13.799 detailed slides you know on on on the  
NOTE Confidence: 0.85752666

00:54:13.799 --> 00:54:16.029 different education and income and so forth.  
NOTE Confidence: 0.85752666

00:54:16.030 --> 00:54:17.670 There is geographic information there,  
NOTE Confidence: 0.85752666

00:54:17.670 --> 00:54:20.286 and I'm aware that people have looked at.  
NOTE Confidence: 0.85752666

00:54:20.290 --> 00:54:22.674 You can look at I don't think you  
NOTE Confidence: 0.85752666

00:54:22.674 --> 00:54:25.206 can go down to the census track,

NOTE Confidence: 0.85752666

00:54:25.210 --> 00:54:28.504 but you can go down to the zip code.

NOTE Confidence: 0.85752666

00:54:28.510 --> 00:54:31.054 And you can have County level data we

NOTE Confidence: 0.85752666

00:54:31.054 --> 00:54:33.667 did for example with that data set.

NOTE Confidence: 0.85752666

00:54:33.670 --> 00:54:36.414 And I know this isn't quite on topic,

NOTE Confidence: 0.85752666

00:54:36.420 --> 00:54:38.140 but it's it's structurally related.

NOTE Confidence: 0.85752666

00:54:38.140 --> 00:54:40.564 We looked at with that data set at

NOTE Confidence: 0.85752666

00:54:40.564 --> 00:54:42.692 firearm related suicides and looked at

NOTE Confidence: 0.85752666

00:54:42.692 --> 00:54:44.876 them in relationship to peoples where

NOTE Confidence: 0.85752666

00:54:44.939 --> 00:54:47.051 their state of the firearm ownership

NOTE Confidence: 0.85752666

00:54:47.051 --> 00:54:49.441 within this state and you could show

NOTE Confidence: 0.85752666

00:54:49.441 --> 00:54:51.403 very strong associations with people who

NOTE Confidence: 0.85752666

00:54:51.403 --> 00:54:53.966 live in states with higher firearm ownership,

NOTE Confidence: 0.85752666

00:54:53.970 --> 00:54:56.714 being much more likely to die of suicide,

NOTE Confidence: 0.85752666

00:54:56.720 --> 00:54:58.778 but also to die, I proportionately

NOTE Confidence: 0.85752666

00:54:58.778 --> 00:55:00.500 have firearm suicides, but I.

NOTE Confidence: 0.85752666

00:55:00.500 --> 00:55:03.260 Imagine the same kind of thing at a

NOTE Confidence: 0.85752666

00:55:03.351 --> 00:55:06.147 more granular level could be done.

NOTE Confidence: 0.85752666

00:55:06.150 --> 00:55:08.142 At the but part of the I think

NOTE Confidence: 0.85752666

00:55:08.142 --> 00:55:10.030 one of the challenges, though,

NOTE Confidence: 0.85752666

00:55:10.030 --> 00:55:12.430 is that some of these things change if

NOTE Confidence: 0.85752666

00:55:12.430 --> 00:55:14.488 you're looking over a 10 year period,

NOTE Confidence: 0.85752666

00:55:14.490 --> 00:55:15.980 you might have to update.

NOTE Confidence: 0.85752666

00:55:15.980 --> 00:55:18.188 You know that you might have

NOTE Confidence: 0.85752666

00:55:18.188 --> 00:55:20.540 to work with time dependent.

NOTE Confidence: 0.85752666

00:55:20.540 --> 00:55:21.112 Regional variables,

NOTE Confidence: 0.85752666

00:55:21.112 --> 00:55:23.400 but I I think you're right that that

NOTE Confidence: 0.85752666

00:55:23.453 --> 00:55:25.098 would really open things up to be

NOTE Confidence: 0.85752666

00:55:25.098 --> 00:55:27.336 able to look at the level of social

NOTE Confidence: 0.85752666

00:55:27.336 --> 00:55:28.816 capital within the communities that

NOTE Confidence: 0.85752666

00:55:28.820 --> 00:55:30.614 these people live as an additional

NOTE Confidence: 0.85752666

00:55:30.614 --> 00:55:31.810 dimension or explanatory dimension

NOTE Confidence: 0.85752666

00:55:31.853 --> 00:55:33.239 to their risks for these deaths.

NOTE Confidence: 0.85752666

00:55:33.240 --> 00:55:35.165 So I think that's an excellent point,

NOTE Confidence: 0.85752666

00:55:35.170 --> 00:55:37.242 but it's something if I if I had

NOTE Confidence: 0.85752666

00:55:37.242 --> 00:55:39.307 a student who is interested in it,

NOTE Confidence: 0.85752666

00:55:39.310 --> 00:55:40.960 I would be I could pursue.

NOTE Confidence: 0.85752666

00:55:40.960 --> 00:55:42.969 But I'm so busy at this point

NOTE Confidence: 0.85752666

00:55:42.969 --> 00:55:45.098 will be tough for me to pick up.

NOTE Confidence: 0.85752666

00:55:45.100 --> 00:55:48.238 But thanks for pointing that out.

NOTE Confidence: 0.85752666

00:55:48.240 --> 00:55:48.650 So

NOTE Confidence: 0.6743414

00:55:48.650 --> 00:55:53.016 I see in the chat box, JP Daquino had a

NOTE Confidence: 0.6743414

00:55:53.016 --> 00:55:56.899 comment JPD want to make that out loud.

NOTE Confidence: 0.6743414

00:55:56.900 --> 00:56:00.740 Sure, thanks for the excellent talk I was.

NOTE Confidence: 0.6743414

00:56:00.740 --> 00:56:03.890 I was struck by your introduction of

NOTE Confidence: 0.6743414

00:56:03.984 --> 00:56:07.356 vertical as a diagnostician of these

NOTE Confidence: 0.6743414

00:56:07.360 --> 00:56:11.340 social ills and some of the things you

NOTE Confidence: 0.6743414

00:56:11.340 --> 00:56:14.330 said reminded me of another diagnostician.

NOTE Confidence: 0.6743414

00:56:14.330 --> 00:56:18.020 Emailed or climb the French sociologist.

NOTE Confidence: 0.6743414

00:56:18.020 --> 00:56:21.180 Who wrote the book called Suicide in late

NOTE Confidence: 0.6743414

00:56:21.180 --> 00:56:24.099 19th century as friends transition from a

NOTE Confidence: 0.6743414

00:56:24.100 --> 00:56:26.978 traditional society to an industrial society?

NOTE Confidence: 0.6743414

00:56:26.978 --> 00:56:29.781 And I'm I'm, I'm wondering what

NOTE Confidence: 0.6743414

00:56:29.781 --> 00:56:32.420 your thoughts would be on as we

NOTE Confidence: 0.6743414

00:56:32.498 --> 00:56:35.530 transition to a postindustrial society.

NOTE Confidence: 0.6743414

00:56:35.530 --> 00:56:39.808 Whether the same means that he

NOTE Confidence: 0.6743414

00:56:39.808 --> 00:56:42.668 diagnosed Geneva, few individualism,

NOTE Confidence: 0.6743414

00:56:42.668 --> 00:56:46.240 loss of community, excessive hope.

NOTE Confidence: 0.820225

00:56:48.390 --> 00:56:50.740 You know loss of organized religion

NOTE Confidence: 0.820225

00:56:50.740 --> 00:56:53.435 and weakening of the nation in the

NOTE Confidence: 0.820225

00:56:53.435 --> 00:56:55.912 family weather work. This is kind

NOTE Confidence: 0.820225

00:56:55.912 --> 00:56:58.290 of history repeating itself in a

NOTE Confidence: 0.820225

00:56:58.290 --> 00:57:00.522 way you know. There's a wonderful

NOTE Confidence: 0.820225

00:57:00.522 --> 00:57:03.829 point and I I think sadly there are.

NOTE Confidence: 0.820225

00:57:03.830 --> 00:57:05.442 There are strong parallels.

NOTE Confidence: 0.820225

00:57:05.442 --> 00:57:09.082 If you step back and look at the changes

NOTE Confidence: 0.820225

00:57:09.082 --> 00:57:11.742 that have a Kurd have hollowed out.

NOTE Confidence: 0.820225

00:57:11.750 --> 00:57:14.222 You know whole communities in the

NOTE Confidence: 0.820225

00:57:14.222 --> 00:57:16.386 in the Industrial Midwest places

NOTE Confidence: 0.820225

00:57:16.386 --> 00:57:19.026 that used to provide steady places

NOTE Confidence: 0.820225

00:57:19.026 --> 00:57:21.259 of employment allowed people with.

NOTE Confidence: 0.820225

00:57:21.260 --> 00:57:23.661 High school level of education to work

NOTE Confidence: 0.820225

00:57:23.661 --> 00:57:26.238 their way up and supportive family.

NOTE Confidence: 0.820225

00:57:26.240 --> 00:57:29.480 Think it really that the changes in our

NOTE Confidence: 0.820225

00:57:29.480 --> 00:57:32.473 labor markets and our economy shifting to

NOTE Confidence: 0.820225

00:57:32.473 --> 00:57:35.729 a you know high information based economy.

NOTE Confidence: 0.820225

00:57:35.730 --> 00:57:37.920 And you know the greater disparities

NOTE Confidence: 0.820225

00:57:37.920 --> 00:57:40.515 in an income that have opened up

NOTE Confidence: 0.820225



00:57:40.515 --> 00:57:42.633 over the last couple of decades.

NOTE Confidence: 0.820225

00:57:42.640 --> 00:57:44.404 Have really taken a toll on people

NOTE Confidence: 0.820225

00:57:44.404 --> 00:57:46.278 and we can see the resentment.

NOTE Confidence: 0.820225

00:57:46.280 --> 00:57:48.416 We can see it in our politics over

NOTE Confidence: 0.820225

00:57:48.416 --> 00:57:50.758 the last several years and so we are.

NOTE Confidence: 0.820225

00:57:50.760 --> 00:57:53.460 You know it's we have a.

NOTE Confidence: 0.820225

00:57:53.460 --> 00:57:55.796 A dynamic economy as they had in in

NOTE Confidence: 0.820225

00:57:55.796 --> 00:57:58.010 France in in Durckheim's day and and

NOTE Confidence: 0.820225

00:57:58.010 --> 00:58:00.349 there are some of the consequences that

NOTE Confidence: 0.820225

00:58:00.349 --> 00:58:03.205 he wrote about I think are still app,

NOTE Confidence: 0.820225

00:58:03.210 --> 00:58:04.395 so thanks for.

NOTE Confidence: 0.820225

00:58:04.395 --> 00:58:05.975 For pointing that out.

NOTE Confidence: 0.851244

00:58:12.490 --> 00:58:14.800 The floor is open for questions

NOTE Confidence: 0.851244

00:58:14.800 --> 00:58:16.340 and comments. I believe

NOTE Confidence: 0.851244

00:58:16.340 --> 00:58:18.270 Jank Tech has a question.

NOTE Confidence: 0.78473854

00:58:19.810 --> 00:58:22.822 Hi, thank you. You also conducted

NOTE Confidence: 0.78473854

00:58:22.822 --> 00:58:25.394 and published several studies on

NOTE Confidence: 0.78473854

00:58:25.394 --> 00:58:27.810 early mortality and serious mental

NOTE Confidence: 0.78473854

00:58:27.810 --> 00:58:30.310 illness and schizophrenia and and

NOTE Confidence: 0.78473854

00:58:30.310 --> 00:58:34.810 I mean I could with this like in a

NOTE Confidence: 0.78473854

00:58:34.810 --> 00:58:38.620 renewed focus on on socio economic

NOTE Confidence: 0.78473854

00:58:38.620 --> 00:58:41.160 economic determinants of health.

NOTE Confidence: 0.78473854

00:58:41.160 --> 00:58:45.088 Much of that was. You know poverty.

NOTE Confidence: 0.78473854

00:58:45.088 --> 00:58:47.118 In serious mental illness and

NOTE Confidence: 0.78473854

00:58:47.118 --> 00:58:48.820 how much of that was?

NOTE Confidence: 0.78473854

00:58:48.820 --> 00:58:51.620 I mean, do you have any ideas on that?

NOTE Confidence: 0.78473854

00:58:51.620 --> 00:58:52.550 Yeah, well, you

NOTE Confidence: 0.8283872

00:58:52.550 --> 00:58:53.333 know, I think.

NOTE Confidence: 0.8283872

00:58:53.333 --> 00:58:54.899 Sure, and I didn't really talk

NOTE Confidence: 0.8283872

00:58:54.899 --> 00:58:56.599 about schizophrenia this morning,

NOTE Confidence: 0.8283872

00:58:56.600 --> 00:58:59.756 but very happy too, I think.

NOTE Confidence: 0.8283872

00:58:59.760 --> 00:59:02.165 You know overall within people  
NOTE Confidence: 0.8283872

00:59:02.165 --> 00:59:03.608 and also schizophrenia.  
NOTE Confidence: 0.8283872

00:59:03.610 --> 00:59:06.382 You know you have a population that  
NOTE Confidence: 0.8283872

00:59:06.382 --> 00:59:09.751 has lots of that that has health  
NOTE Confidence: 0.8283872

00:59:09.751 --> 00:59:12.889 challenges across a number of dimensions.  
NOTE Confidence: 0.8283872

00:59:12.890 --> 00:59:15.210 At the most basic level,  
NOTE Confidence: 0.8283872

00:59:15.210 --> 00:59:19.026 you know we live in a society that depends  
NOTE Confidence: 0.8283872

00:59:19.026 --> 00:59:22.348 upon people rationally seeking care.  
NOTE Confidence: 0.8283872

00:59:22.350 --> 00:59:25.452 When they are ever health read  
NOTE Confidence: 0.8283872

00:59:25.452 --> 00:59:27.003 and people schizophrenia.  
NOTE Confidence: 0.8283872

00:59:27.010 --> 00:59:29.320 Are quite impaired in that place,  
NOTE Confidence: 0.8283872

00:59:29.320 --> 00:59:30.860 so even relatively simple  
NOTE Confidence: 0.8283872

00:59:30.860 --> 00:59:32.400 things like an appendicitis,  
NOTE Confidence: 0.8283872

00:59:32.400 --> 00:59:34.710 which generally results in an appendectomy.  
NOTE Confidence: 0.8283872

00:59:34.710 --> 00:59:36.635 That's not such a serious  
NOTE Confidence: 0.8283872

00:59:36.635 --> 00:59:38.560 procedure can be life threatening,

NOTE Confidence: 0.8283872

00:59:38.560 --> 00:59:40.100 and someone with schizophrenia

NOTE Confidence: 0.8283872

00:59:40.100 --> 00:59:41.640 who delays treatment seeking.

NOTE Confidence: 0.8283872

00:59:41.640 --> 00:59:43.746 So there's thinking about the cognitive

NOTE Confidence: 0.8283872

00:59:43.746 --> 00:59:45.638 problems that many adults with

NOTE Confidence: 0.8283872

00:59:45.638 --> 00:59:47.798 schizophrenia have in negotiating properly,

NOTE Confidence: 0.8283872

00:59:47.800 --> 00:59:50.362 go shooting and being received in an

NOTE Confidence: 0.8283872

00:59:50.362 --> 00:59:52.809 unbiased way in our health system.

NOTE Confidence: 0.8283872

00:59:52.810 --> 00:59:55.384 There's a layer there that then

NOTE Confidence: 0.8283872

00:59:55.384 --> 00:59:57.100 below that there are.

NOTE Confidence: 0.8283872

00:59:57.100 --> 00:59:57.772 Aspects.

NOTE Confidence: 0.8283872

00:59:57.772 --> 01:00:00.460 You know up there.

NOTE Confidence: 0.8283872

01:00:00.460 --> 01:00:02.100 There are aspects related to

NOTE Confidence: 0.8283872

01:00:02.100 --> 01:00:03.442 health behaviors, you know.

NOTE Confidence: 0.8283872

01:00:03.442 --> 01:00:05.147 Within schizophrenia we know from

NOTE Confidence: 0.8283872

01:00:05.147 --> 01:00:07.159 characterizations of the Katie sample that

NOTE Confidence: 0.8283872

01:00:07.159 --> 01:00:09.336 very high rates of obesity and hypertension,

NOTE Confidence: 0.8283872

01:00:09.340 --> 01:00:09.670 hyperlipidemia,

NOTE Confidence: 0.8283872

01:00:09.670 --> 01:00:11.320 things that pose great risks.

NOTE Confidence: 0.8283872

01:00:11.320 --> 01:00:13.288 We have high rates of smoking,

NOTE Confidence: 0.8283872

01:00:13.290 --> 01:00:15.324 the people who's not only people

NOTE Confidence: 0.8283872

01:00:15.324 --> 01:00:17.047 discussing it more likely to

NOTE Confidence: 0.8283872

01:00:17.047 --> 01:00:18.557 smoke in the general public.

NOTE Confidence: 0.8283872

01:00:18.560 --> 01:00:20.528 They're more likely of the smokers.

NOTE Confidence: 0.8283872

01:00:20.530 --> 01:00:22.854 They smoke more heavily so that their

NOTE Confidence: 0.8283872

01:00:22.854 --> 01:00:24.806 risks of polarities are, you know,

NOTE Confidence: 0.8283872

01:00:24.806 --> 01:00:26.446 are greatly out of proportion.

NOTE Confidence: 0.8283872

01:00:26.450 --> 01:00:27.878 Even more greater portion,

NOTE Confidence: 0.8283872

01:00:27.878 --> 01:00:29.663 there are suicide and then

NOTE Confidence: 0.8283872

01:00:29.663 --> 01:00:31.659 you have the disorder itself.

NOTE Confidence: 0.8283872

01:00:31.660 --> 01:00:33.652 We have a paper in impress

NOTE Confidence: 0.8283872

01:00:33.652 --> 01:00:34.980 attempts to control it.

NOTE Confidence: 0.8283872

01:00:34.980 --> 01:00:37.080 Come out in a few months looking

NOTE Confidence: 0.8283872

01:00:37.080 --> 01:00:39.306 at the patterns of suicide in

NOTE Confidence: 0.8283872

01:00:39.306 --> 01:00:41.401 schizophrenia and unlike the general

NOTE Confidence: 0.8283872

01:00:41.401 --> 01:00:43.361 population where it tends to go

NOTE Confidence: 0.8283872

01:00:43.361 --> 01:00:45.268 up and peaks in late middle age

NOTE Confidence: 0.8283872

01:00:45.268 --> 01:00:47.564 or in early adult older adult age

NOTE Confidence: 0.8283872

01:00:47.564 --> 01:00:49.420 in schizophrenia goes down and it

NOTE Confidence: 0.8283872

01:00:49.420 --> 01:00:51.565 is very highest in those first few

NOTE Confidence: 0.8283872

01:00:51.565 --> 01:00:53.785 years so that the psychosis paranoia

NOTE Confidence: 0.8283872

01:00:53.785 --> 01:00:56.100 people perhaps aware of the illness

NOTE Confidence: 0.8283872

01:00:56.100 --> 01:00:58.900 and the life in front of them.

NOTE Confidence: 0.8283872

01:00:58.900 --> 01:01:01.438 And their lives. So the illness.

NOTE Confidence: 0.8283872

01:01:01.440 --> 01:01:03.757 How some people believe how we treat

NOTE Confidence: 0.8283872

01:01:03.757 --> 01:01:06.470 it with some of the anti psychotics

NOTE Confidence: 0.8283872

01:01:06.470 --> 01:01:08.530 and their and their metabolic

NOTE Confidence: 0.8283872

01:01:08.530 --> 01:01:11.163 problems that they pose as well as

NOTE Confidence: 0.8283872

01:01:11.163 --> 01:01:13.140 embedding these issues with in.

NOTE Confidence: 0.8283872

01:01:13.140 --> 01:01:15.300 Our health care system,

NOTE Confidence: 0.8283872

01:01:15.300 --> 01:01:17.360 in the challenges of accessing

NOTE Confidence: 0.8283872

01:01:17.360 --> 01:01:19.008 appropriate care health behaviors,

NOTE Confidence: 0.8283872

01:01:19.010 --> 01:01:21.445 it's really a multiply determined

NOTE Confidence: 0.8283872

01:01:21.445 --> 01:01:24.516 thing that results in the shorter

NOTE Confidence: 0.8283872

01:01:24.516 --> 01:01:26.696 longevity of people with.

NOTE Confidence: 0.8283872

01:01:26.700 --> 01:01:28.945 Serious mental illness and then

NOTE Confidence: 0.8283872

01:01:28.945 --> 01:01:32.149 on top of that there of course,

NOTE Confidence: 0.8283872

01:01:32.150 --> 01:01:33.512 are disproportionately represented

NOTE Confidence: 0.8283872

01:01:33.512 --> 01:01:35.328 in the lowest rungs.

NOTE Confidence: 0.8283872

01:01:35.330 --> 01:01:37.600 In terms of socioeconomics, with,

NOTE Confidence: 0.8283872

01:01:37.600 --> 01:01:41.290 you know the great majority of

NOTE Confidence: 0.8283872

01:01:41.290 --> 01:01:43.135 people with schizophrenia.

NOTE Confidence: 0.8283872

01:01:43.140 --> 01:01:45.180 More than 2/3 are in are in the

NOTE Confidence: 0.8283872

01:01:45.180 --> 01:01:47.772 Medicare or Medicaid programs, or both.

NOTE Confidence: 0.8283872

01:01:47.772 --> 01:01:49.200 So you know,

NOTE Confidence: 0.8283872

01:01:49.200 --> 01:01:51.398 it's a very difficult and complicated thing.

NOTE Confidence: 0.8283872

01:01:51.400 --> 01:01:52.327 You went back.

NOTE Confidence: 0.8283872

01:01:52.327 --> 01:01:55.170 One of the things that I became aware of,

NOTE Confidence: 0.8283872

01:01:55.170 --> 01:01:57.053 like I went into it, thinking,

NOTE Confidence: 0.8283872

01:01:57.053 --> 01:01:58.618 well, it's probably mostly suicide,

NOTE Confidence: 0.8283872

01:01:58.620 --> 01:02:00.185 is probably it's actually not

NOTE Confidence: 0.8283872

01:02:00.185 --> 01:02:01.124 much this suicide.

NOTE Confidence: 0.8283872

01:02:01.130 --> 01:02:02.740 It's mostly pulmonary and cardiovascular

NOTE Confidence: 0.8283872

01:02:02.740 --> 01:02:04.350 disease that's contributing to the

NOTE Confidence: 0.8283872

01:02:04.399 --> 01:02:05.904 shorter life expectancy in the

NOTE Confidence: 0.8283872

01:02:05.904 --> 01:02:07.409 premature mortality in that population.

NOTE Confidence: 0.80138636

01:02:07.410 --> 01:02:09.300 So thanks for bringing that up.

NOTE Confidence: 0.795245

01:02:13.930 --> 01:02:16.498 There's a comment from Sandra Bacon.

NOTE Confidence: 0.8653857



01:02:22.110 --> 01:02:25.260 Sandra, do you wanna speak up or  
NOTE Confidence: 0.8653857

01:02:25.260 --> 01:02:27.510 should I read your sure?  
NOTE Confidence: 0.8653857

01:02:27.510 --> 01:02:29.760 Sure, so I'm particularly interested  
NOTE Confidence: 0.8653857

01:02:29.760 --> 01:02:32.460 in the high utilization of patients  
NOTE Confidence: 0.8653857

01:02:32.460 --> 01:02:34.710 in psychiatric emergency services and  
NOTE Confidence: 0.8653857

01:02:34.710 --> 01:02:37.860 what strikes me is that these patients,  
NOTE Confidence: 0.8653857

01:02:37.860 --> 01:02:40.560 despite the amount of time that  
NOTE Confidence: 0.8653857

01:02:40.560 --> 01:02:42.810 they spend in acute services,  
NOTE Confidence: 0.8653857

01:02:42.810 --> 01:02:45.060 their outcomes are really poor,  
NOTE Confidence: 0.8653857

01:02:45.060 --> 01:02:46.860 and disposition planning is  
NOTE Confidence: 0.8653857

01:02:46.860 --> 01:02:49.590 oftentimes stymied by the fact that.  
NOTE Confidence: 0.8653857

01:02:49.590 --> 01:02:52.212 What they need is not available  
NOTE Confidence: 0.8653857

01:02:52.212 --> 01:02:53.780 in the community either.  
NOTE Confidence: 0.8653857

01:02:53.780 --> 01:02:56.136 It's not a service that's covered,  
NOTE Confidence: 0.8653857

01:02:56.136 --> 01:02:57.709 or there's waiting lists,  
NOTE Confidence: 0.8653857

01:02:57.710 --> 01:02:59.676 and so they patients continue

NOTE Confidence: 0.8653857

01:02:59.676 --> 01:03:01.638 to use the emergency service.

NOTE Confidence: 0.8653857

01:03:01.638 --> 01:03:04.782 So how do we address the fact that

NOTE Confidence: 0.8653857

01:03:04.782 --> 01:03:07.536 the care that people may need is

NOTE Confidence: 0.8653857

01:03:07.536 --> 01:03:10.828 not necessarily always available?

NOTE Confidence: 0.8653857

01:03:10.830 --> 01:03:13.497 That is a big and important question.

NOTE Confidence: 0.8653857

01:03:13.500 --> 01:03:14.162 You know,

NOTE Confidence: 0.8653857

01:03:14.162 --> 01:03:16.479 I think first I just want to

NOTE Confidence: 0.8653857

01:03:16.479 --> 01:03:18.090 validate your observation.

NOTE Confidence: 0.8653857

01:03:18.090 --> 01:03:20.113 If you look and see at people

NOTE Confidence: 0.8653857

01:03:20.113 --> 01:03:21.902 who who people with serious

NOTE Confidence: 0.8653857

01:03:21.902 --> 01:03:24.037 mental illness who are discharged

NOTE Confidence: 0.8653857

01:03:24.037 --> 01:03:26.110 from the emergency Department,

NOTE Confidence: 0.8653857

01:03:26.110 --> 01:03:28.300 the single most robust predictor of

NOTE Confidence: 0.8653857

01:03:28.300 --> 01:03:30.522 whether they're going to run into

NOTE Confidence: 0.8653857

01:03:30.522 --> 01:03:32.257 trouble and require an represent

NOTE Confidence: 0.8653857

01:03:32.257 --> 01:03:34.204 to an emergency Department or

NOTE Confidence: 0.8653857

01:03:34.204 --> 01:03:35.884 require hospitalization in the

NOTE Confidence: 0.8653857

01:03:35.884 --> 01:03:38.550 ensuing weeks is whether or not

NOTE Confidence: 0.8653857

01:03:38.550 --> 01:03:41.490 they're in care before they came.

NOTE Confidence: 0.8653857

01:03:41.490 --> 01:03:42.854 To the emergency Department,

NOTE Confidence: 0.8653857

01:03:42.854 --> 01:03:43.877 it's it also,

NOTE Confidence: 0.8653857

01:03:43.880 --> 01:03:45.670 it's the strongest terminal whether

NOTE Confidence: 0.8653857

01:03:45.670 --> 01:03:48.310 or not they will follow up with care.

NOTE Confidence: 0.8653857

01:03:48.310 --> 01:03:50.356 We ask an awful lot of

NOTE Confidence: 0.8653857

01:03:50.356 --> 01:03:51.038 emergency department's.

NOTE Confidence: 0.8653857

01:03:51.040 --> 01:03:52.404 They're not really well

NOTE Confidence: 0.8653857

01:03:52.404 --> 01:03:53.768 configured for the care,

NOTE Confidence: 0.8653857

01:03:53.770 --> 01:03:55.706 most of them for the care of people

NOTE Confidence: 0.8653857

01:03:55.706 --> 01:03:57.784 who are serious milleson an accept

NOTE Confidence: 0.8653857

01:03:57.784 --> 01:03:59.699 replaces psychedelic haven where you

NOTE Confidence: 0.8653857

01:03:59.699 --> 01:04:01.949 have a dedicated psychiatric service.

NOTE Confidence: 0.8653857

01:04:01.950 --> 01:04:03.333 Most emergency departments

NOTE Confidence: 0.8653857

01:04:03.333 --> 01:04:04.716 actually don't have.

NOTE Confidence: 0.8653857

01:04:04.720 --> 01:04:06.916 And this is a remarkable thing.

NOTE Confidence: 0.8653857

01:04:06.920 --> 01:04:08.790 They don't have a psychiatrist

NOTE Confidence: 0.8653857

01:04:08.790 --> 01:04:10.660 or a psychologist either on

NOTE Confidence: 0.8653857

01:04:10.731 --> 01:04:12.406 site or available on call.

NOTE Confidence: 0.8653857

01:04:12.410 --> 01:04:13.862 It's really primary care.

NOTE Confidence: 0.8653857

01:04:13.862 --> 01:04:16.040 It's really part of the General

NOTE Confidence: 0.8653857

01:04:16.113 --> 01:04:17.898 Medical sector and you know.

NOTE Confidence: 0.8653857

01:04:17.900 --> 01:04:20.420 So to expect that aspect of our

NOTE Confidence: 0.8653857

01:04:20.420 --> 01:04:23.027 General Medical sector to care for in

NOTE Confidence: 0.8653857

01:04:23.027 --> 01:04:24.842 a compassionate and effective way.

NOTE Confidence: 0.8653857

01:04:24.850 --> 01:04:27.442 People who are at a people who have

NOTE Confidence: 0.8653857

01:04:27.442 --> 01:04:29.292 the greatest level of psychiatric

NOTE Confidence: 0.8653857

01:04:29.292 --> 01:04:31.560 illness severity at a time in

NOTE Confidence: 0.8653857

01:04:31.560 --> 01:04:34.351 their lives when they are in a  
NOTE Confidence: 0.8653857

01:04:34.351 --> 01:04:35.915 crisis is completely unrealistic.  
NOTE Confidence: 0.8653857

01:04:35.920 --> 01:04:36.996 And then it further,  
NOTE Confidence: 0.8653857

01:04:36.996 --> 01:04:38.610 there's the point that you make  
NOTE Confidence: 0.8653857

01:04:38.661 --> 01:04:40.416 that there aren't available slots.  
NOTE Confidence: 0.8653857

01:04:40.420 --> 01:04:42.220 Particularly I think for young people,  
NOTE Confidence: 0.8653857

01:04:42.220 --> 01:04:43.966 children in many communities and for  
NOTE Confidence: 0.8653857

01:04:43.966 --> 01:04:46.118 older adults they have long waiting lists.  
NOTE Confidence: 0.8653857

01:04:46.120 --> 01:04:48.334 This isn't a group that isn't  
NOTE Confidence: 0.8653857

01:04:48.334 --> 01:04:49.810 often internally motivated and  
NOTE Confidence: 0.8653857

01:04:49.877 --> 01:04:51.905 has the persistence to follow up.  
NOTE Confidence: 0.8653857

01:04:51.910 --> 01:04:53.500 An emergency Department also overwhelmed.  
NOTE Confidence: 0.8653857

01:04:53.500 --> 01:04:54.445 They don't have.  
NOTE Confidence: 0.8653857

01:04:54.445 --> 01:04:55.705 There are some things,  
NOTE Confidence: 0.8653857

01:04:55.710 --> 01:04:57.300 and there's a nice review,  
NOTE Confidence: 0.8653857

01:04:57.300 --> 01:04:59.836 but I that I refer you to if

NOTE Confidence: 0.8653857

01:04:59.836 --> 01:05:01.099 you're interested in this.

NOTE Confidence: 0.8653857

01:05:01.100 --> 01:05:03.008 By Stephanie Dupnik in JAMA Psychiatry.

NOTE Confidence: 0.8653857

01:05:03.010 --> 01:05:03.562 Last year,

NOTE Confidence: 0.8653857

01:05:03.562 --> 01:05:05.494 a meta analysis and she's looking at

NOTE Confidence: 0.8653857

01:05:05.494 --> 01:05:06.818 things that emergency departments

NOTE Confidence: 0.8653857

01:05:06.818 --> 01:05:08.810 can actually do right in the

NOTE Confidence: 0.8653857

01:05:08.810 --> 01:05:10.193 emergency Department and actually

NOTE Confidence: 0.8653857

01:05:10.193 --> 01:05:11.853 improve the short term outcome

NOTE Confidence: 0.8653857

01:05:11.853 --> 01:05:13.471 for people who are discharged.

NOTE Confidence: 0.8653857

01:05:13.471 --> 01:05:15.690 And they are things like sending texts,

NOTE Confidence: 0.8653857

01:05:15.690 --> 01:05:16.638 supportive text reminders,

NOTE Confidence: 0.8653857

01:05:16.638 --> 01:05:17.586 an engaging family,

NOTE Confidence: 0.8653857

01:05:17.590 --> 01:05:19.809 and so forth in the follow up.

NOTE Confidence: 0.8653857

01:05:19.810 --> 01:05:21.826 But they require effort and they.

NOTE Confidence: 0.8653857

01:05:21.830 --> 01:05:23.630 Probably work best in communities

NOTE Confidence: 0.8653857

01:05:23.630 --> 01:05:24.710 that have accessible,  
NOTE Confidence: 0.8653857

01:05:24.710 --> 01:05:26.150 timely accessible mental services.  
NOTE Confidence: 0.8653857

01:05:26.150 --> 01:05:27.230 As you say,  
NOTE Confidence: 0.8653857

01:05:27.230 --> 01:05:29.778 I in a course in many settings  
NOTE Confidence: 0.8653857

01:05:29.778 --> 01:05:30.870 and particularly even  
NOTE Confidence: 0.8560954

01:05:30.949 --> 01:05:33.203 in you know in urban settings that  
NOTE Confidence: 0.8560954

01:05:33.203 --> 01:05:35.510 this can be quite a challenge.  
NOTE Confidence: 0.8560954

01:05:35.510 --> 01:05:38.075 I think it's it you put your finger on  
NOTE Confidence: 0.8560954

01:05:38.075 --> 01:05:40.993 one of the critical weakpoints in many  
NOTE Confidence: 0.8560954

01:05:40.993 --> 01:05:43.430 local mental health systems, so thanks.  
NOTE Confidence: 0.8697443

01:05:53.150 --> 01:05:56.820 Other comments. So so I  
NOTE Confidence: 0.8924619

01:05:56.820 --> 01:06:00.940 have one. So first mark.  
NOTE Confidence: 0.8924619

01:06:00.940 --> 01:06:03.630 A brilliant erudite rigorous tour.  
NOTE Confidence: 0.8924619

01:06:03.630 --> 01:06:05.778 The first lecture we'd  
NOTE Confidence: 0.8924619

01:06:05.780 --> 01:06:08.470 expect nothing less of you,  
NOTE Confidence: 0.8924619

01:06:08.470 --> 01:06:12.709 but we're extremely pleased to see.

NOTE Confidence: 0.8924619

01:06:12.710 --> 01:06:14.982 You know it's a thrill to have you

NOTE Confidence: 0.8924619

01:06:14.982 --> 01:06:17.207 here and to have such a brilliant

NOTE Confidence: 0.83685565

01:06:17.210 --> 01:06:18.410 lecture. Really thank you.

NOTE Confidence: 0.83685565

01:06:18.410 --> 01:06:19.910 Thanks for your kind words.

NOTE Confidence: 0.8619214

01:06:21.170 --> 01:06:24.730 The second thing is that I would like

NOTE Confidence: 0.8619214

01:06:24.730 --> 01:06:29.046 to key off of of Sandy's last comment

NOTE Confidence: 0.8619214

01:06:29.046 --> 01:06:32.850 so we have health care systems.

NOTE Confidence: 0.8619214

01:06:32.850 --> 01:06:34.335 There are overstressed.

NOTE Confidence: 0.8619214

01:06:34.335 --> 01:06:37.305 We have treatments that are often.

NOTE Confidence: 0.8619214

01:06:37.310 --> 01:06:39.935 Not definitive, you know there

NOTE Confidence: 0.8619214

01:06:39.935 --> 01:06:42.560 there they have transient efficacy,

NOTE Confidence: 0.8619214

01:06:42.560 --> 01:06:46.235 at least over the short run an.

NOTE Confidence: 0.8409729

01:06:48.480 --> 01:06:50.825 And and even in the long run,

NOTE Confidence: 0.8409729

01:06:50.830 --> 01:06:54.331 often are not able to achieve all the aims

NOTE Confidence: 0.8409729

01:06:54.331 --> 01:06:57.460 that we hope to achieve in treatment.

NOTE Confidence: 0.8409729



01:06:57.460 --> 01:06:59.812 And there is an implication in  
NOTE Confidence: 0.8409729

01:06:59.812 --> 01:07:02.579 some of the things that you said.  
NOTE Confidence: 0.8409729

01:07:02.580 --> 01:07:05.832 How at a societal level,  
NOTE Confidence: 0.8409729

01:07:05.832 --> 01:07:08.436 through economic and vocational?  
NOTE Confidence: 0.8739959

01:07:10.530 --> 01:07:12.034 Creating vocational, economic and  
NOTE Confidence: 0.8739959

01:07:12.034 --> 01:07:13.538 vocational opportunities for people.  
NOTE Confidence: 0.8739959

01:07:13.540 --> 01:07:16.130 You might be able to prevent some  
NOTE Confidence: 0.8739959

01:07:16.130 --> 01:07:18.332 of the downstream consequences of  
NOTE Confidence: 0.8739959

01:07:18.332 --> 01:07:20.872 the social problems that we're  
NOTE Confidence: 0.8739959

01:07:20.872 --> 01:07:23.270 essentially treating in psychiatry.  
NOTE Confidence: 0.8739959

01:07:23.270 --> 01:07:25.132 And and I'm curious.  
NOTE Confidence: 0.8739959

01:07:25.132 --> 01:07:28.848 I'm curious what what you mean by that,  
NOTE Confidence: 0.8739959

01:07:28.850 --> 01:07:32.826 but you might mean by that given.  
NOTE Confidence: 0.8739959

01:07:32.830 --> 01:07:33.954 For example,  
NOTE Confidence: 0.8739959

01:07:33.954 --> 01:07:37.888 what we're seeing now a \$1500 check.  
NOTE Confidence: 0.8739959

01:07:37.890 --> 01:07:42.540 \$1600 check being provided for for

NOTE Confidence: 0.8739959

01:07:42.540 --> 01:07:47.110 covid relief and things like that.

NOTE Confidence: 0.8739959

01:07:47.110 --> 01:07:48.108 What what?

NOTE Confidence: 0.8739959

01:07:48.108 --> 01:07:51.102 What do you think societies can

NOTE Confidence: 0.8739959

01:07:51.102 --> 01:07:54.100 do through through social or

NOTE Confidence: 0.8739959

01:07:54.100 --> 01:07:57.275 economic policy that would actually?

NOTE Confidence: 0.8739959

01:07:57.280 --> 01:07:59.135 Measurably had the possibility of

NOTE Confidence: 0.8739959

01:07:59.135 --> 01:08:00.619 measure Lee measurably decreasing

NOTE Confidence: 0.8739959

01:08:00.619 --> 01:08:02.537 both accidental death and suicide.

NOTE Confidence: 0.8739959

01:08:02.540 --> 01:08:04.420 Yeah, well, first of all,

NOTE Confidence: 0.8739959

01:08:04.420 --> 01:08:04.800 it's

NOTE Confidence: 0.7920157

01:08:04.800 --> 01:08:07.056 it's. It's anything I say on

NOTE Confidence: 0.7920157

01:08:07.056 --> 01:08:08.560 this point is conjectural.

NOTE Confidence: 0.7920157

01:08:08.560 --> 01:08:10.672 We don't really have strong evidence

NOTE Confidence: 0.7920157

01:08:10.672 --> 01:08:12.958 that work there being a tight

NOTE Confidence: 0.7920157

01:08:12.958 --> 01:08:14.578 connection between these things,

NOTE Confidence: 0.7920157

01:08:14.580 --> 01:08:17.580 but but but if you do step back,  
NOTE Confidence: 0.7920157

01:08:17.580 --> 01:08:19.460 you see you see these  
NOTE Confidence: 0.7920157

01:08:19.460 --> 01:08:21.340 correlations that I've shown you.  
NOTE Confidence: 0.7920157

01:08:21.340 --> 01:08:25.100 My sense is that report is going to far more,  
NOTE Confidence: 0.7920157

01:08:25.100 --> 01:08:27.860 much more than a \$1600 check.  
NOTE Confidence: 0.7920157

01:08:27.860 --> 01:08:31.270 It's going to require a  
NOTE Confidence: 0.7920157

01:08:31.270 --> 01:08:33.998 kind of a reorientation.  
NOTE Confidence: 0.7920157

01:08:34.000 --> 01:08:37.680 Uh, and a strengthening of the safety net.  
NOTE Confidence: 0.7920157

01:08:37.680 --> 01:08:40.146 But you know, I'm not naive.  
NOTE Confidence: 0.7920157

01:08:40.150 --> 01:08:42.082 You know, to the political realities  
NOTE Confidence: 0.7920157

01:08:42.082 --> 01:08:44.834 we live in a society that's that's  
NOTE Confidence: 0.7920157

01:08:44.834 --> 01:08:47.164 very fractured along cultural and  
NOTE Confidence: 0.7920157

01:08:47.164 --> 01:08:49.220 ideological and political lines.  
NOTE Confidence: 0.7920157

01:08:49.220 --> 01:08:50.146 Underneath it,  
NOTE Confidence: 0.7920157

01:08:50.146 --> 01:08:53.387 there isn't as much solidarity as a  
NOTE Confidence: 0.7920157

01:08:53.387 --> 01:08:56.220 people that we have as is enjoyed in,

NOTE Confidence: 0.7920157  
01:08:56.220 --> 01:08:57.040 you know,  
NOTE Confidence: 0.7920157  
01:08:57.040 --> 01:08:59.140 in northern European countries that  
NOTE Confidence: 0.7920157  
01:08:59.140 --> 01:09:01.580 have a much stronger safety net.  
NOTE Confidence: 0.7920157  
01:09:01.580 --> 01:09:02.340 But I,  
NOTE Confidence: 0.7920157  
01:09:02.340 --> 01:09:04.620 I think it requires a much  
NOTE Confidence: 0.7920157  
01:09:04.620 --> 01:09:06.401 larger structural change that  
NOTE Confidence: 0.7920157  
01:09:06.401 --> 01:09:08.289 then providing checks for.  
NOTE Confidence: 0.7920157  
01:09:08.290 --> 01:09:09.550 A year, you know,  
NOTE Confidence: 0.7920157  
01:09:09.550 --> 01:09:11.440 they say that the recently passed,  
NOTE Confidence: 0.7920157  
01:09:11.440 --> 01:09:13.020 although it's massive in size,  
NOTE Confidence: 0.7920157  
01:09:13.020 --> 01:09:15.155 will lift the large number of children  
NOTE Confidence: 0.7920157  
01:09:15.155 --> 01:09:17.729 out of half of the people to have  
NOTE Confidence: 0.7920157  
01:09:17.729 --> 01:09:19.319 their children out of poverty.  
NOTE Confidence: 0.7920157  
01:09:19.320 --> 01:09:21.838 But it's only for a year, you know,  
NOTE Confidence: 0.7920157  
01:09:21.838 --> 01:09:23.408 until you have very basic,  
NOTE Confidence: 0.7920157

01:09:23.410 --> 01:09:25.930 you know reforms of things like you know,  
NOTE Confidence: 0.7920157

01:09:25.930 --> 01:09:27.174 providing childcare so that  
NOTE Confidence: 0.7920157

01:09:27.174 --> 01:09:29.400 women and men are able to work,  
NOTE Confidence: 0.7920157

01:09:29.400 --> 01:09:30.660 and subsidizing that for  
NOTE Confidence: 0.7920157

01:09:30.660 --> 01:09:31.920 low income people and,  
NOTE Confidence: 0.7920157

01:09:31.920 --> 01:09:32.548 you know,  
NOTE Confidence: 0.7920157

01:09:32.548 --> 01:09:34.118 fortifying the schools in low  
NOTE Confidence: 0.7920157

01:09:34.118 --> 01:09:34.746 income neighborhoods.  
NOTE Confidence: 0.7920157

01:09:34.750 --> 01:09:36.955 I mean the whole variety of things,  
NOTE Confidence: 0.7920157

01:09:36.960 --> 01:09:39.578 and it would take a long time.  
NOTE Confidence: 0.7920157

01:09:39.580 --> 01:09:42.397 But it might well be that that that those  
NOTE Confidence: 0.7920157

01:09:42.397 --> 01:09:44.980 kinds of things would relieve distress.  
NOTE Confidence: 0.7920157

01:09:44.980 --> 01:09:46.420 They're never going to,  
NOTE Confidence: 0.7920157

01:09:46.420 --> 01:09:47.140 you know,  
NOTE Confidence: 0.7920157

01:09:47.140 --> 01:09:49.428 we would still live in a world with  
NOTE Confidence: 0.7920157

01:09:49.428 --> 01:09:50.832 schizophrenia and bipolar disorder

NOTE Confidence: 0.7920157

01:09:50.832 --> 01:09:53.160 and severe mental disorders that are

NOTE Confidence: 0.7920157

01:09:53.160 --> 01:09:54.700 largely biological determinants.

NOTE Confidence: 0.7920157

01:09:54.700 --> 01:09:56.860 But for many of the substance

NOTE Confidence: 0.7920157

01:09:56.860 --> 01:09:57.940 use related problems.

NOTE Confidence: 0.7920157

01:09:57.940 --> 01:10:00.558 And for many of anxiety and depression.

NOTE Confidence: 0.7920157

01:10:00.560 --> 01:10:02.576 I can well imagine that that that is

NOTE Confidence: 0.7920157

01:10:02.576 --> 01:10:04.191 society that was more generous and

NOTE Confidence: 0.7920157

01:10:04.191 --> 01:10:06.138 its safety net that you would have

NOTE Confidence: 0.7920157

01:10:06.138 --> 01:10:08.034 ameliorate the course of these things,

NOTE Confidence: 0.7920157

01:10:08.040 --> 01:10:10.296 and it might well show up.

NOTE Confidence: 0.7920157

01:10:10.300 --> 01:10:12.444 In some of the broad databases that I

NOTE Confidence: 0.7920157

01:10:12.444 --> 01:10:15.039 talk that I've described to you this morning,

NOTE Confidence: 0.7920157

01:10:15.040 --> 01:10:15.630 but again,

NOTE Confidence: 0.7920157

01:10:15.630 --> 01:10:17.400 I don't want to oversell this.

NOTE Confidence: 0.7920157

01:10:17.400 --> 01:10:18.584 This is, you know,

NOTE Confidence: 0.7920157

01:10:18.584 --> 01:10:19.768 this is all conjecture.  
NOTE Confidence: 0.60862714

01:10:22.130 --> 01:10:25.550 Except Posner had a comment, Seth.  
NOTE Confidence: 0.85780346

01:10:38.100 --> 01:10:41.196 So Seth asked me to read this the  
NOTE Confidence: 0.85780346

01:10:41.196 --> 01:10:43.974 early 1990s insurance parity laws  
NOTE Confidence: 0.85780346

01:10:43.974 --> 01:10:46.530 required coverage for bipolar,  
NOTE Confidence: 0.85780346

01:10:46.530 --> 01:10:47.522 schizophrenia, etc,  
NOTE Confidence: 0.85780346

01:10:47.522 --> 01:10:49.506 but not substance abuse.  
NOTE Confidence: 0.85780346

01:10:49.510 --> 01:10:52.026 This made it financially advantageous  
NOTE Confidence: 0.85780346

01:10:52.026 --> 01:10:54.591 for patients and treaters to  
NOTE Confidence: 0.85780346

01:10:54.591 --> 01:10:56.674 attribute drug overdoses to  
NOTE Confidence: 0.85780346

01:10:56.674 --> 01:10:58.570 depression and suicidal thinking.  
NOTE Confidence: 0.85780346

01:10:58.570 --> 01:11:00.988 Which would be covered as opposed  
NOTE Confidence: 0.85780346

01:11:00.988 --> 01:11:02.600 to uncovered substance use?  
NOTE Confidence: 0.85780346

01:11:02.600 --> 01:11:05.267 Do you have a way with your  
NOTE Confidence: 0.85780346

01:11:05.267 --> 01:11:07.804 datasets to sort out a general  
NOTE Confidence: 0.85780346

01:11:07.804 --> 01:11:10.256 change over the years in survey

NOTE Confidence: 0.85780346

01:11:10.256 --> 01:11:11.864 responses and clinical reporting?

NOTE Confidence: 0.90165836

01:11:13.060 --> 01:11:17.090 You know that's a great question, there are.

NOTE Confidence: 0.90165836

01:11:17.090 --> 01:11:19.385 There are examples you know through

NOTE Confidence: 0.90165836

01:11:19.385 --> 01:11:20.933 littered throughout the healthcare

NOTE Confidence: 0.90165836

01:11:20.933 --> 01:11:22.646 system where incentives are put

NOTE Confidence: 0.90165836

01:11:22.646 --> 01:11:24.542 on to to recognize your diagnose,

NOTE Confidence: 0.90165836

01:11:24.550 --> 01:11:27.742 people in different ways so you know

NOTE Confidence: 0.90165836

01:11:27.742 --> 01:11:31.588 if you back up a decade or so before.

NOTE Confidence: 0.90165836

01:11:31.590 --> 01:11:34.254 The Parity Act and you look in the

NOTE Confidence: 0.90165836

01:11:34.254 --> 01:11:36.209 1993 changes in the disability

NOTE Confidence: 0.90165836

01:11:36.209 --> 01:11:37.829 in the SSI disability.

NOTE Confidence: 0.90165836

01:11:37.830 --> 01:11:40.399 They excluded substance use as a disability,

NOTE Confidence: 0.90165836

01:11:40.400 --> 01:11:42.115 and suddenly those people lost

NOTE Confidence: 0.90165836

01:11:42.115 --> 01:11:44.684 their claims and we had more people

NOTE Confidence: 0.90165836

01:11:44.684 --> 01:11:46.639 making claims for other things.

NOTE Confidence: 0.90165836



01:11:46.640 --> 01:11:49.320 You know you can look at inpatient care  
NOTE Confidence: 0.90165836

01:11:49.320 --> 01:11:51.962 for children and adolescents and see that  
NOTE Confidence: 0.90165836

01:11:51.962 --> 01:11:54.709 you have a great disproportion of children,  
NOTE Confidence: 0.90165836

01:11:54.710 --> 01:11:56.545 analysis or diagnosis for the  
NOTE Confidence: 0.90165836

01:11:56.545 --> 01:11:58.380 first time with bipolar disorder,  
NOTE Confidence: 0.90165836

01:11:58.380 --> 01:12:00.305 is that something that will  
NOTE Confidence: 0.90165836

01:12:00.305 --> 01:12:02.230 get you into the hospital.  
NOTE Confidence: 0.90165836

01:12:02.230 --> 01:12:04.197 So you need to be whatever you're  
NOTE Confidence: 0.90165836

01:12:04.197 --> 01:12:05.750 working with these claims data.  
NOTE Confidence: 0.90165836

01:12:05.750 --> 01:12:08.230 Which are simply a reflection of the actual  
NOTE Confidence: 0.90165836

01:12:08.230 --> 01:12:10.080 diagnosis that clinicians are making.  
NOTE Confidence: 0.90165836

01:12:10.080 --> 01:12:10.666 In practice,  
NOTE Confidence: 0.90165836

01:12:10.666 --> 01:12:12.424 you need to be mindful that  
NOTE Confidence: 0.90165836

01:12:12.424 --> 01:12:14.945 it isn't the same thing as a  
NOTE Confidence: 0.90165836

01:12:14.945 --> 01:12:16.067 structured clinical interview.  
NOTE Confidence: 0.90165836

01:12:16.070 --> 01:12:18.570 It isn't these aren't skids.

NOTE Confidence: 0.90165836

01:12:18.570 --> 01:12:21.576 These do represent not only the

NOTE Confidence: 0.90165836

01:12:21.576 --> 01:12:24.227 clinical judgments but also the

NOTE Confidence: 0.90165836

01:12:24.227 --> 01:12:26.467 economic context under which.

NOTE Confidence: 0.90165836

01:12:26.470 --> 01:12:28.200 Missions are making those judgments,

NOTE Confidence: 0.90165836

01:12:28.200 --> 01:12:31.048 so I guess my short answer to that

NOTE Confidence: 0.90165836

01:12:31.048 --> 01:12:33.264 question is I'm not really aware

NOTE Confidence: 0.90165836

01:12:33.264 --> 01:12:36.342 of a good way with claims data of

NOTE Confidence: 0.90165836

01:12:36.342 --> 01:12:38.497 getting beneath these kinds of.

NOTE Confidence: 0.90165836

01:12:38.500 --> 01:12:40.936 A biases that are introduced by

NOTE Confidence: 0.90165836

01:12:40.936 --> 01:12:42.154 a differential reimbursement,

NOTE Confidence: 0.90165836

01:12:42.160 --> 01:12:43.219 and you know,

NOTE Confidence: 0.90165836

01:12:43.219 --> 01:12:47.152 and I think the best you can do is to

NOTE Confidence: 0.90165836

01:12:47.152 --> 01:12:49.900 look for natural experiments that occur.

NOTE Confidence: 0.90165836

01:12:49.900 --> 01:12:52.246 Look for people who transition it

NOTE Confidence: 0.90165836

01:12:52.246 --> 01:12:54.303 between insurance plans that cover

NOTE Confidence: 0.90165836

01:12:54.303 --> 01:12:56.408 different things to quantify them,  
NOTE Confidence: 0.90165836

01:12:56.410 --> 01:12:58.522 but that doesn't allow you really  
NOTE Confidence: 0.90165836

01:12:58.522 --> 01:13:00.525 to get underneath and fully  
NOTE Confidence: 0.90165836

01:13:00.525 --> 01:13:02.109 understand these processes,  
NOTE Confidence: 0.90165836

01:13:02.110 --> 01:13:05.578 but it does that question does.  
NOTE Confidence: 0.90165836

01:13:05.580 --> 01:13:06.194 Give us,  
NOTE Confidence: 0.90165836

01:13:06.194 --> 01:13:08.036 I think inappropriate sense of humility,  
NOTE Confidence: 0.90165836

01:13:08.040 --> 01:13:09.876 about the validity and the accuracy  
NOTE Confidence: 0.90165836

01:13:09.876 --> 01:13:12.064 of the data that we work with  
NOTE Confidence: 0.90165836

01:13:12.064 --> 01:13:13.870 that extends all the way through.  
NOTE Confidence: 0.90165836

01:13:13.870 --> 01:13:17.014 There's a lot of concern that and there  
NOTE Confidence: 0.90165836

01:13:17.014 --> 01:13:20.188 was concern even back in Turkey Times Day.  
NOTE Confidence: 0.90165836

01:13:20.190 --> 01:13:20.427 Derek,  
NOTE Confidence: 0.90165836

01:13:20.427 --> 01:13:22.560 I made a big deal out of your little  
NOTE Confidence: 0.90165836

01:13:22.618 --> 01:13:25.000 being differences in rates of suicide  
NOTE Confidence: 0.90165836

01:13:25.000 --> 01:13:26.588 between Protestants and Catholics,

NOTE Confidence: 0.90165836  
01:13:26.590 --> 01:13:28.830 saying that Catholics have much lower rates.  
NOTE Confidence: 0.90165836  
01:13:28.830 --> 01:13:29.150 Well,  
NOTE Confidence: 0.90165836  
01:13:29.150 --> 01:13:30.430 in the Catholic Church,  
NOTE Confidence: 0.90165836  
01:13:30.430 --> 01:13:32.670 you can't be buried on sacred ground  
NOTE Confidence: 0.90165836  
01:13:32.670 --> 01:13:33.630 if you have.  
NOTE Confidence: 0.90165836  
01:13:33.630 --> 01:13:35.660 If you're deemed a suicide and so  
NOTE Confidence: 0.90165836  
01:13:35.660 --> 01:13:37.713 that there may have been deliberate  
NOTE Confidence: 0.90165836  
01:13:37.713 --> 01:13:39.957 MIS attributions of causes of death  
NOTE Confidence: 0.90165836  
01:13:39.957 --> 01:13:42.266 going way back a long period of time,  
NOTE Confidence: 0.90165836  
01:13:42.270 --> 01:13:43.230 so it's not.  
NOTE Confidence: 0.90165836  
01:13:43.230 --> 01:13:44.830 It's not a new issue,  
NOTE Confidence: 0.90165836  
01:13:44.830 --> 01:13:46.756 and it's anytime you seek to  
NOTE Confidence: 0.90165836  
01:13:46.756 --> 01:13:48.445 work with large databases where  
NOTE Confidence: 0.90165836  
01:13:48.445 --> 01:13:50.175 you're not actually doing in.  
NOTE Confidence: 0.90165836  
01:13:50.180 --> 01:13:51.860 You know intensive independent assessments.  
NOTE Confidence: 0.90165836

01:13:51.860 --> 01:13:54.205 You can fall prey to these things,  
NOTE Confidence: 0.90165836

01:13:54.210 --> 01:13:56.226 so that's a very good point.  
NOTE Confidence: 0.8776372

01:13:57.990 --> 01:14:00.324 So I think we've reached the  
NOTE Confidence: 0.8776372

01:14:00.324 --> 01:14:02.831 end of our allotted time. Ann.  
NOTE Confidence: 0.8776372

01:14:02.831 --> 01:14:06.519 Let me again, thank Mark for joining us.  
NOTE Confidence: 0.8776372

01:14:06.520 --> 01:14:09.106 And for sharing both specific subject,  
NOTE Confidence: 0.8776372

01:14:09.110 --> 01:14:12.008 but also his methodological approach to  
NOTE Confidence: 0.8776372

01:14:12.008 --> 01:14:14.833 looking at mental health problems and  
NOTE Confidence: 0.8776372

01:14:14.833 --> 01:14:17.682 service delivery and a scale that we  
NOTE Confidence: 0.8776372

01:14:17.682 --> 01:14:20.734 need to pay more and more attention to.  
NOTE Confidence: 0.8776372

01:14:20.740 --> 01:14:23.924 So thank you very much to everybody is  
NOTE Confidence: 0.8776372

01:14:23.924 --> 01:14:27.121 joining to John Crystal and especially to  
NOTE Confidence: 0.8776372

01:14:27.121 --> 01:14:30.659 Mark for returning to Yale for this time.  
NOTE Confidence: 0.8776372

01:14:30.660 --> 01:14:32.352 Thanks very much.