WEBVTT

00:00:09.310 --> 00:00:11.210 I'm delighted to welcome not just one,

00:00:11.210 --> 00:00:12.740 but two speakers for this week.

00:00:12.740 --> 00:00:14.492 Seattle School of Medicine

00:00:14.492 --> 00:00:16.682 Department of Pathology grand rounds.

00:00:16.690 --> 00:00:18.811 Doctor Joseph Graves Junior is a professor

00:00:18.811 --> 00:00:21.190 of Biological Sciences at North Carolina.

00:00:21.190 --> 00:00:23.080 A and T State University.

00:00:23.080 --> 00:00:24.272 He received his undergraduate

00:00:24.272 --> 00:00:25.938 degree from Oberlin College and

00:00:25.940 --> 00:00:28.040 pH D from Wayne State University.

00:00:28.040 --> 00:00:30.144 He began his career as faculty at the

00:00:30.144 --> 00:00:31.717 University of California, Irvine,

00:00:31.717 --> 00:00:33.802 followed by Arizona State University

00:00:33.802 --> 00:00:37.214 Main in West Campus is since 2005 has

NOTE Confidence: 0.958734018333333

00:00:37.214 --> 00:00:39.678 had has had positions at North Carolina.

NOTE Confidence: 0.958734018333333

00:00:39.680 --> 00:00:42.382 The Empty State University and the Joint

NOTE Confidence: 0.958734018333333

00:00:42.382 --> 00:00:44.850 School of Nanoscience and Nanoengineering,

NOTE Confidence: 0.958734018333333

00:00:44.850 --> 00:00:47.256 a joint program between his current

NOTE Confidence: 0.958734018333333

00:00:47.256 --> 00:00:48.860 institution and UNC Greensboro.

NOTE Confidence: 0.958734018333333

00:00:48.860 --> 00:00:50.530 During this time he's held

NOTE Confidence: 0.958734018333333

00:00:50.530 --> 00:00:51.198 leadership positions,

NOTE Confidence: 0.958734018333333

00:00:51.200 --> 00:00:53.500 including Dean of University Studies

NOTE Confidence: 0.958734018333333

00:00:53.500 --> 00:00:55.800 and associate Dean for research.

NOTE Confidence: 0.958734018333333

00:00:55.800 --> 00:00:58.393 His research focuses on the genomics

NOTE Confidence: 0.958734018333333

00:00:58.393 --> 00:01:00.548 of adaptation and biological and

NOTE Confidence: 0.958734018333333

00:01:00.548 --> 00:01:02.640 social conceptions of race in humans.

NOTE Confidence: 0.958734018333333

00:01:02.640 --> 00:01:04.680 He's involved many professional societies

NOTE Confidence: 0.958734018333333

00:01:04.680 --> 00:01:06.720 and has received numerous honors.

NOTE Confidence: 0.958734018333333

00:01:06.720 --> 00:01:08.400 He's been the principal investigator on

00:01:08.400 --> 00:01:10.194 grants from the National Institutes of

00:01:10.194 --> 00:01:12.066 Health and the National Science Foundation.

00:01:12.070 --> 00:01:13.743 He is a fellow of the Council

00:01:13.743 --> 00:01:15.282 of the American Association for

00:01:15.282 --> 00:01:16.806 the Advancement of Science.

00:01:16.810 --> 00:01:19.267 He has over 110 peer reviewed publications.

00:01:19.270 --> 00:01:20.332 Including multiple books,

00:01:20.332 --> 00:01:23.244 the most recent of which came out just

00:01:23.244 --> 00:01:25.820 recently and tighter and is entitled racism,

00:01:25.820 --> 00:01:27.572 not race answers to

00:01:27.572 --> 00:01:28.886 frequently asked questions.

00:01:28.890 --> 00:01:31.071 He recently participated in a roundtable

00:01:31.071 --> 00:01:32.940 discussion for the New England Journal of

00:01:32.989 --> 00:01:34.765 Medicine and titled Race and Medicine,

00:01:34.770 --> 00:01:35.998 Genetic Variations,

00:01:35.998 --> 00:01:38.454 social categories and Pasta

NOTE Confidence: 0.958734018333333

00:01:38.454 --> 00:01:40.258 HealthEquity and is currently preparing

NOTE Confidence: 0.958734018333333

00:01:40.258 --> 00:01:42.040 a manuscript for the New England

NOTE Confidence: 0.958734018333333

00:01:42.096 --> 00:01:43.728 Journal medicine entitled Ongoing

NOTE Confidence: 0.958734018333333

00:01:43.728 --> 00:01:45.360 Racial Misconceptions in medical

NOTE Confidence: 0.958734018333333

00:01:45.360 --> 00:01:47.290 education with today's Co presenter,

NOTE Confidence: 0.958734018333333

00:01:47.290 --> 00:01:49.684 and that brings me to doctor Andrea de Rock.

NOTE Confidence: 0.958734018333333

00:01:49.690 --> 00:01:51.860 Who is a professor of pathology at

NOTE Confidence: 0.958734018333333

00:01:51.860 --> 00:01:53.499 Duke University School of Medicine.

NOTE Confidence: 0.958734018333333

00:01:53.500 --> 00:01:55.104 She completed her undergraduate

NOTE Confidence: 0.958734018333333

00:01:55.104 --> 00:01:56.708 education at Princeton University

NOTE Confidence: 0.958734018333333

00:01:56.708 --> 00:01:58.539 and continued her academic pursuits

NOTE Confidence: 0.958734018333333

00:01:58.539 --> 00:02:00.159 at the University of Chicago,

NOTE Confidence: 0.958734018333333

00:02:00.160 --> 00:02:02.808 where she earned her PhD and MD and

NOTE Confidence: 0.958734018333333

00:02:02.808 --> 00:02:04.489 subsequently completed her anatomic

NOTE Confidence: 0.958734018333333

00:02:04.489 --> 00:02:05.926 pathology residency training.

00:02:05.930 --> 00:02:07.687 This was followed by a soft tissue

00:02:07.687 --> 00:02:09.230 pathology fellowship at Emory University,

00:02:09.230 --> 00:02:11.096 where she remained on as faculty

00:02:11.096 --> 00:02:12.800 before moving to the University

00:02:12.800 --> 00:02:14.770 of South Carolina and ultimately

00:02:14.770 --> 00:02:16.700 her current position at Duke.

00:02:16.700 --> 00:02:17.474 During this time,

00:02:17.474 --> 00:02:18.506 she has published extensively

00:02:18.506 --> 00:02:19.978 in the area of soft tissue.

00:02:19.980 --> 00:02:21.515 Apology in prestigious journals as

00:02:21.515 --> 00:02:24.014 well as chapters in the World Health

00:02:24.014 --> 00:02:25.818 Organization Classification of Tumors,

00:02:25.820 --> 00:02:28.508 among other textbooks.

00:02:28.510 --> 00:02:30.220 Since arriving at Duke in 2015,

00:02:30.220 --> 00:02:31.852 her primary focus has been on

00:02:31.852 --> 00:02:32.396 medical education.

00:02:32.400 --> 00:02:33.010 In 2019,

00:02:33.010 --> 00:02:34.840 she was named the director of

00:02:34.840 --> 00:02:35.859 Undergraduate Medical Education

00:02:35.859 --> 00:02:37.639 for the Department of Pathology.

00:02:37.640 --> 00:02:40.043 She is a Co editor for the New Robbins

00:02:40.043 --> 00:02:42.003 Central pathology and upcoming 11th

00:02:42.003 --> 00:02:44.038 edition of Robbins Basic Pathology.

00:02:44.040 --> 00:02:45.888 She participated in the Duke teaching

00:02:45.888 --> 00:02:47.852 for equity Fellows program and is a

00:02:47.852 --> 00:02:49.434 member of the Duke School of Medicine,

00:02:49.440 --> 00:02:51.188 Health Professions Anti Racism

00:02:51.188 --> 00:02:53.373 Task Force and the pathology,

00:02:53.380 --> 00:02:55.650 Diversity and Inclusion Focus group

00:02:55.650 --> 00:02:56.782 through medical student teaching,

00:02:56.782 --> 00:02:58.900 she has become interested in recent medicine.

NOTE Confidence: 0.958734018333333

00:02:58.900 --> 00:02:59.965 In medical text,

NOTE Confidence: 0.958734018333333

00:02:59.965 --> 00:03:01.740 including within Robbins and its

NOTE Confidence: 0.958734018333333

00:03:01.740 --> 00:03:03.880 representation in medical school curriculum,

NOTE Confidence: 0.958734018333333

00:03:03.880 --> 00:03:05.820 she recently launched Pathology Central,

NOTE Confidence: 0.958734018333333

00:03:05.820 --> 00:03:08.016 a YouTube channel where she presents

NOTE Confidence: 0.958734018333333

00:03:08.016 --> 00:03:09.480 various pathology topics concisely

NOTE Confidence: 0.851654574117647

00:03:09.531 --> 00:03:11.484 that anyone in medicine can work from.

NOTE Confidence: 0.851654574117647

00:03:11.490 --> 00:03:14.370 So with that doctors day open graves have

NOTE Confidence: 0.851654574117647

00:03:14.370 --> 00:03:16.799 been highly sought after presenters for

NOTE Confidence: 0.851654574117647

00:03:16.799 --> 00:03:19.730 topics they will discuss with us today.

NOTE Confidence: 0.851654574117647

00:03:19.730 --> 00:03:21.816 Their talk is entitled Race and medicine

NOTE Confidence: 0.851654574117647

00:03:21.816 --> 00:03:23.458 data or Distraction, and with that I

NOTE Confidence: 0.872265772

00:03:23.470 --> 00:03:24.460 will let them get started.

NOTE Confidence: 0.6695078

00:03:29.350 --> 00:03:34.692 All right? So first thank you so very

NOTE Confidence: 0.6695078

00:03:34.692 --> 00:03:37.608 much for inviting us to be here today.

NOTE Confidence: 0.6695078

00:03:37.610 --> 00:03:40.466 We're absolutely delighted to be here.

NOTE Confidence: 0.6695078

00:03:40.470 --> 00:03:42.222 We've enjoyed meeting with the faculty

NOTE Confidence: 0.6695078

00:03:42.222 --> 00:03:44.395 and are really looking forward to meeting

NOTE Confidence: 0.6695078

00:03:44.395 --> 00:03:46.309 with the residents and graduate students.

NOTE Confidence: 0.87794486125

00:03:49.000 --> 00:03:50.640 So I'd like to begin with our disclosure,

NOTE Confidence: 0.87794486125

00:03:50.640 --> 00:03:53.040 which as Doctor Barbieri mentioned,

NOTE Confidence: 0.87794486125

00:03:53.040 --> 00:03:54.811 I'm a quarter Co editor and author

NOTE Confidence: 0.87794486125

00:03:54.811 --> 00:03:56.648 of two of the Robbins pathology

NOTE Confidence: 0.87794486125

00:03:56.648 --> 00:03:59.021 textbooks and Doctor Graves as a paid

NOTE Confidence: 0.87794486125

00:03:59.085 --> 00:04:01.155 consultant for Robbins and Kumar basic

NOTE Confidence: 0.87794486125

00:04:01.155 --> 00:04:03.820 pathology and will be focusing a bit on

NOTE Confidence: 0.87794486125

00:04:03.820 --> 00:04:07.140 Robbins Basic Pathology, 10th edition.

NOTE Confidence: 0.87794486125

00:04:07.140 --> 00:04:08.748 So during this talk we're going

NOTE Confidence: 0.87794486125

00:04:08.748 --> 00:04:10.550 to discuss the impact of systemic

NOTE Confidence: 0.87794486125

00:04:10.550 --> 00:04:12.245 racism in medical school curricula.

NOTE Confidence: 0.87794486125

00:04:12.250 --> 00:04:13.926 Compare and contrast biological,

NOTE Confidence: 0.87794486125

00:04:13.926 --> 00:04:16.440 race and socially defined race evaluate

NOTE Confidence: 0.87794486125

00:04:16.505 --> 00:04:18.133 disparities in the pathophysiology

NOTE Confidence: 0.87794486125

00:04:18.133 --> 00:04:20.575 of disease and describe an approach

NOTE Confidence: 0.87794486125

00:04:20.643 --> 00:04:22.439 to addressing health disparities

NOTE Confidence: 0.87794486125

00:04:22.439 --> 00:04:23.786 in medical education.

NOTE Confidence: 0.87794486125

00:04:23.790 --> 00:04:25.673 So let's begin by asking how does

NOTE Confidence: 0.87794486125

00:04:25.673 --> 00:04:27.598 race show up in the curriculum?

NOTE Confidence: 0.87794486125

00:04:27.600 --> 00:04:29.628 Well, I'm a pathologist and this

NOTE Confidence: 0.87794486125

00:04:29.628 --> 00:04:30.642 is my textbook,

NOTE Confidence: 0.87794486125

00:04:30.650 --> 00:04:33.287 so I began by doing a search of the

NOTE Confidence: 0.87794486125

00:04:33.287 --> 00:04:36.228 electronic book for terms like Caucasian,

NOTE Confidence: 0.87794486125

00:04:36.228 --> 00:04:38.745 African, Asian and found more than

NOTE Confidence: 0.87794486125

00:04:38.745 --> 00:04:41.855 45 diseases for which a disparity was

NOTE Confidence: 0.87794486125

00:04:41.855 --> 00:04:45.119 mentioned based on socially defined race.

NOTE Confidence: 0.87794486125

00:04:45.120 --> 00:04:46.626 Now, let's see how this actually

NOTE Confidence: 0.87794486125

9

00:04:46.626 --> 00:04:48.160 turns up in the textbook.

NOTE Confidence: 0.87794486125

00:04:48.160 --> 00:04:51.280 So here we have a quotation talking about

NOTE Confidence: 0.87794486125

00:04:51.280 --> 00:04:53.718 African Americans and cardiac amyloidosis.

NOTE Confidence: 0.87794486125

00:04:53.720 --> 00:04:56.084 My carrier frequency assisted

NOTE Confidence: 0.87794486125

00:04:56.084 --> 00:04:57.857 fibrosis in Caucasians,

NOTE Confidence: 0.87794486125

00:04:57.860 --> 00:04:58.312 cholesterol,

NOTE Confidence: 0.87794486125

00:04:58.312 --> 00:05:00.120 gallstones and Native Americans

NOTE Confidence: 0.87794486125

00:05:00.120 --> 00:05:02.920 and Factor 5 Leiden in whites.

NOTE Confidence: 0.87794486125

00:05:02.920 --> 00:05:06.133 So let's set for aside from moment

NOTE Confidence: 0.87794486125

00:05:06.133 --> 00:05:08.640 the outdated terms because those

NOTE Confidence: 0.87794486125

00:05:08.640 --> 00:05:11.240 are simple enough to change.

NOTE Confidence: 0.87794486125

00:05:11.240 --> 00:05:13.556 And let's recognize that when these

NOTE Confidence: 0.87794486125

00:05:13.556 --> 00:05:15.500 sentences were written they were

NOTE Confidence: 0.87794486125

00:05:15.500 --> 00:05:17.486 written with the best of intentions

NOTE Confidence: 0.87794486125

00:05:17.486 --> 00:05:19.772 with the idea that these epidemiologic

NOTE Confidence: 0.87794486125

00:05:19.772 --> 00:05:21.626 data would help future physicians

NOTE Confidence: 0.87794486125

00:05:21.626 --> 00:05:23.817 to come up with a broad and.

NOTE Confidence: 0.87794486125

00:05:23.820 --> 00:05:25.335 Reasonable differential diagnosis

NOTE Confidence: 0.87794486125

00:05:25.335 --> 00:05:27.355 to order appropriate laboratory

NOTE Confidence: 0.87794486125

00:05:27.355 --> 00:05:30.202 tests and then to design optimal

NOTE Confidence: 0.87794486125

00:05:30.202 --> 00:05:31.894 treatment for their patients.

NOTE Confidence: 0.87794486125

00:05:31.900 --> 00:05:33.796 So these sentences were all written

NOTE Confidence: 0.87794486125

00:05:33.796 --> 00:05:35.800 with the best of intentions,

NOTE Confidence: 0.87794486125

00:05:35.800 --> 00:05:37.774 but anyone who does DEI work knows

NOTE Confidence: 0.87794486125

00:05:37.774 --> 00:05:39.595 it's not enough to simply say

NOTE Confidence: 0.87794486125

00:05:39.595 --> 00:05:40.819 we have good intentions.

NOTE Confidence: 0.87794486125

00:05:40.820 --> 00:05:42.356 You have to ask,

NOTE Confidence: 0.87794486125

00:05:42.356 --> 00:05:45.380 are we actually causing harm in any way?

NOTE Confidence: 0.87794486125

00:05:45.380 --> 00:05:47.170 So are we causing harm?

NOTE Confidence: 0.87794486125

00:05:47.170 --> 00:05:50.005 I think we are and so there are three

NOTE Confidence: 0.87794486125

00:05:50.005 --> 00:05:52.185 realms that I look at this with,

NOTE Confidence: 0.87794486125

00:05:52.190 --> 00:05:53.770 so one is buzzword bingo.

NOTE Confidence: 0.87794486125

00:05:53.770 --> 00:05:55.220 It would take very motivated,

NOTE Confidence: 0.87794486125

00:05:55.220 --> 00:05:57.182 very bright students who are very

NOTE Confidence: 0.87794486125

00:05:57.182 --> 00:05:58.910 good at multiple choice Question

NOTE Confidence: 0.87794486125

00:05:58.910 --> 00:06:01.402 exams and we teach them simple word

NOTE Confidence: 0.87794486125

00:06:01.402 --> 00:06:03.438 associations like white cystic fibrosis,

NOTE Confidence: 0.87794486125

00:06:03.440 --> 00:06:05.774 black sickle cell disease and we

NOTE Confidence: 0.87794486125

00:06:05.774 --> 00:06:08.000 reinforce this through clinical vignettes,

NOTE Confidence: 0.87794486125

00:06:08.000 --> 00:06:09.284 multiple choice questions.

NOTE Confidence: 0.87794486125

00:06:09.284 --> 00:06:13.010 The step exams and the test prep material,

NOTE Confidence: 0.87794486125

00:06:13.010 --> 00:06:16.090 so we're reinforcing these associations.

NOTE Confidence: 0.87794486125

00:06:16.090 --> 00:06:18.610 So let's take a look at how this

NOTE Confidence: 0.87794486125

00:06:18.610 --> 00:06:21.089 shows up in how it's reinforced.

NOTE Confidence: 0.87794486125

00:06:21.090 --> 00:06:23.826 So this comes from a 2015 website in

NOTE Confidence: 0.87794486125

00:06:23.826 --> 00:06:26.186 which the author somewhat facetiously

NOTE Confidence: 0.87794486125

00:06:26.186 --> 00:06:28.822 or sarcastically is giving advice for

NOTE Confidence: 0.87794486125

00:06:28.822 --> 00:06:31.590 medical students preparing to take step one,

NOTE Confidence: 0.87794486125

00:06:31.590 --> 00:06:33.585 and one of the points of advice

NOTE Confidence: 0.87794486125

00:06:33.585 --> 00:06:35.868 is be as racist as possible.

NOTE Confidence: 0.87794486125

00:06:35.870 --> 00:06:37.529 Now those of us who are older,

NOTE Confidence: 0.87794486125

00:06:37.530 --> 00:06:37.905 attendings,

NOTE Confidence: 0.87794486125

00:06:37.905 --> 00:06:40.155 and probably a number of younger

NOTE Confidence: 0.87794486125

00:06:40.155 --> 00:06:42.107 attendings and maybe even residents

NOTE Confidence: 0.87794486125

00:06:42.107 --> 00:06:43.631 will recognize these associations

NOTE Confidence: 0.87794486125

00:06:43.631 --> 00:06:46.198 as things that we also were taught.

NOTE Confidence: 0.87794486125

00:06:46.200 --> 00:06:48.240 That these were buzzwords quote

NOTE Confidence: 0.87794486125

00:06:48.240 --> 00:06:50.666 high yield facts that we learn

NOTE Confidence: 0.87794486125

00:06:50.666 --> 00:06:53.130 so we would do well on step one.

NOTE Confidence: 0.87794486125

00:06:53.130 --> 00:06:55.830 Now here is a more recent look at this.

NOTE Confidence: 0.87794486125

00:06:55.830 --> 00:06:58.485 This is from 2017 publication

NOTE Confidence: 0.87794486125

00:06:58.485 --> 00:07:00.078 by Lundy Braun

NOTE Confidence: 0.837661177692308

00:07:00.080 --> 00:07:02.504 and what she and her colleague did was

00:07:02.504 --> 00:07:05.952 to look at you world, which is a test

00:07:05.952 --> 00:07:08.486 prep bank which is used by I would say,

00:07:08.490 --> 00:07:11.352 every medical student who takes a

00:07:11.352 --> 00:07:14.566 step exam and what they did was they

00:07:14.566 --> 00:07:16.911 queried the entire 2000 plus questions

00:07:16.911 --> 00:07:19.975 and looked to see how race was used.

00:07:19.980 --> 00:07:21.744 Was race mentioned and if it was

00:07:21.744 --> 00:07:23.637 mentioned was it used as a descriptor?

00:07:23.640 --> 00:07:25.194 So just casual sort of giving

00:07:25.194 --> 00:07:26.900 a little bit more background.

00:07:26.900 --> 00:07:29.468 Like sometimes I'll say it's a you know

00:07:29.468 --> 00:07:32.439 55 year old man who's a CEO in a company.

00:07:32.440 --> 00:07:34.198 Or was it something central like

00:07:34.198 --> 00:07:35.680 knowing what this person does?

00:07:35.680 --> 00:07:37.332 So for example, if you say someone

NOTE Confidence: 0.837661177692308

00:07:37.332 --> 00:07:39.232 is a is a coal miner, you you?

NOTE Confidence: 0.837661177692308

00:07:39.232 --> 00:07:40.237 We all know is pathologists,

NOTE Confidence: 0.837661177692308

00:07:40.240 --> 00:07:41.625 that's setting you up for

NOTE Confidence: 0.837661177692308

00:07:41.625 --> 00:07:43.010 particular diagnosis to think about.

NOTE Confidence: 0.837661177692308

00:07:43.010 --> 00:07:46.074 So was it descriptive or was it central?

NOTE Confidence: 0.837661177692308

00:07:46.080 --> 00:07:48.340 And what you can see here is that for the

NOTE Confidence: 0.837661177692308

00:07:48.400 --> 00:07:50.829 socially defined race of white or Caucasian,

NOTE Confidence: 0.837661177692308

00:07:50.830 --> 00:07:52.582 about 93% of the time it

NOTE Confidence: 0.837661177692308

00:07:52.582 --> 00:07:53.458 was completely incidental.

NOTE Confidence: 0.837661177692308

00:07:53.460 --> 00:07:55.065 The patient just happened to

NOTE Confidence: 0.837661177692308

00:07:55.065 --> 00:07:56.349 be white or Caucasian.

NOTE Confidence: 0.837661177692308

00:07:56.350 --> 00:07:58.030 And about 7% of the time,

NOTE Confidence: 0.837661177692308

00:07:58.030 --> 00:07:59.137 knowing that person,

NOTE Confidence: 0.837661177692308

00:07:59.137 --> 00:08:01.351 socially defined race was supposed to

NOTE Confidence: 0.837661177692308

00:08:01.351 --> 00:08:03.894 help you get to or understand the answer.

NOTE Confidence: 0.837661177692308

00:08:03.900 --> 00:08:06.030 So probably something like cystic fibrosis,

NOTE Confidence: 0.837661177692308

00:08:06.030 --> 00:08:07.070 for example.

NOTE Confidence: 0.837661177692308

00:08:07.070 --> 00:08:08.630 Now, by contrast,

NOTE Confidence: 0.837661177692308

00:08:08.630 --> 00:08:09.925 if you're Native American and

NOTE Confidence: 0.837661177692308

00:08:09.925 --> 00:08:11.720 you're showing up in a vignette,

NOTE Confidence: 0.837661177692308

00:08:11.720 --> 00:08:14.486 you're there because you're Native American,

NOTE Confidence: 0.837661177692308

00:08:14.490 --> 00:08:14.771 right?

NOTE Confidence: 0.837661177692308

00:08:14.771 --> 00:08:16.738 You didn't get into a motorcycle accident

NOTE Confidence: 0.837661177692308

00:08:16.738 --> 00:08:18.686 or brush up against some Poison Ivy.

NOTE Confidence: 0.837661177692308

00:08:18.690 --> 00:08:20.868 You have severe combined immune deficiency,

NOTE Confidence: 0.837661177692308

00:08:20.870 --> 00:08:23.460 diabetes or cholesterol gallstones, right?

NOTE Confidence: 0.837661177692308

00:08:23.460 --> 00:08:27.268 So we have this racialization of medicine.

NOTE Confidence: 0.837661177692308

00:08:27.270 --> 00:08:29.095 And how we're supposed to

NOTE Confidence: 0.837661177692308

00:08:29.095 --> 00:08:30.555 look at potential patients.

NOTE Confidence: 0.837661177692308

00:08:30.560 --> 00:08:32.643 So you may be thinking, well,

NOTE Confidence: 0.837661177692308

00:08:32.643 --> 00:08:35.787 you know these are the pre clinical years.

NOTE Confidence: 0.837661177692308

00:08:35.790 --> 00:08:37.236 And as our students go onto

NOTE Confidence: 0.837661177692308

00:08:37.236 --> 00:08:39.005 the wards and they go through

NOTE Confidence: 0.837661177692308

00:08:39.005 --> 00:08:40.505 residency and become attendings,

NOTE Confidence: 0.837661177692308

00:08:40.510 --> 00:08:42.298 they're going to see the full

NOTE Confidence: 0.837661177692308

00:08:42.298 --> 00:08:43.902 spectrum of human health and

NOTE Confidence: 0.837661177692308

00:08:43.902 --> 00:08:45.990 disease and they will recognize that

NOTE Confidence: 0.837661177692308

00:08:45.990 --> 00:08:47.649 these associations may be useful.

NOTE Confidence: 0.837661177692308

00:08:47.650 --> 00:08:49.620 Heuristics may be good for

NOTE Confidence: 0.837661177692308

00:08:49.620 --> 00:08:50.408 pretest probability,

NOTE Confidence: 0.837661177692308

00:08:50.410 --> 00:08:52.188 but they're just merely a shadow of

NOTE Confidence: 0.837661177692308

00:08:52.188 --> 00:08:54.019 what will be seen as physicians.

NOTE Confidence: 0.837661177692308

00:08:54.020 --> 00:08:56.916 And I will tell you to to counter that.

NOTE Confidence: 0.837661177692308

00:08:56.916 --> 00:08:59.419 There are things I learned 20 plus years ago.

NOTE Confidence: 0.837661177692308

00:08:59.420 --> 00:09:00.885 The University of Chicago that

NOTE Confidence: 0.837661177692308

00:09:00.885 --> 00:09:02.760 I did not learn were wrong,

NOTE Confidence: 0.837661177692308

00:09:02.760 --> 00:09:05.460 were false until I began seriously

NOTE Confidence: 0.837661177692308

00:09:05.460 --> 00:09:08.100 looking at race and medicine.

NOTE Confidence: 0.837661177692308

00:09:08.100 --> 00:09:09.716 So the next question we might have is,

NOTE Confidence: 0.837661177692308

00:09:09.720 --> 00:09:10.288 well, OK.

NOTE Confidence: 0.837661177692308

00:09:10.288 --> 00:09:11.708 Is there anyway that were

NOTE Confidence: 0.837661177692308

00:09:11.708 --> 00:09:12.560 causing patient harm?

NOTE Confidence: 0.837661177692308

00:09:12.560 --> 00:09:14.318 And again I would say yeah,

NOTE Confidence: 0.837661177692308

00:09:14.320 --> 00:09:16.399 I think we could be so say a young

NOTE Confidence: 0.837661177692308

00:09:16.399 --> 00:09:18.250 Navajo woman presents to an acute

NOTE Confidence: 0.837661177692308

00:09:18.250 --> 00:09:20.193 care clinic with right upper quadrant

NOTE Confidence: 0.837661177692308

00:09:20.193 --> 00:09:22.179 pain and you have the attending.

NOTE Confidence: 0.837661177692308

00:09:22.180 --> 00:09:23.629 Think American Indian.

NOTE Confidence: 0.837661177692308

00:09:23.629 --> 00:09:26.527 I'm going to go right towards

NOTE Confidence: 0.837661177692308

00:09:26.527 --> 00:09:29.025 gallstones and not thinking about acute

NOTE Confidence: 0.837661177692308

00:09:29.025 --> 00:09:30.939 appendicitis or ectopic pregnancy, right?

NOTE Confidence: 0.837661177692308

00:09:30.939 --> 00:09:32.733 Both of which can present in

NOTE Confidence: 0.837661177692308

00:09:32.733 --> 00:09:33.630 a similar fashion.

NOTE Confidence: 0.837661177692308

00:09:33.630 --> 00:09:35.196 Now you may think, OK, well,

NOTE Confidence: 0.837661177692308

00:09:35.196 --> 00:09:36.476 that's not going to happen.

NOTE Confidence: 0.837661177692308

00:09:36.480 --> 00:09:37.311 We have algorithms.

NOTE Confidence: 0.837661177692308

00:09:37.311 --> 00:09:38.696 We have checks and balances.

NOTE Confidence: 0.837661177692308

00:09:38.700 --> 00:09:40.848 We're not going to miss that.

NOTE Confidence: 0.837661177692308

00:09:40.850 --> 00:09:41.858 And I would say,

NOTE Confidence: 0.837661177692308

00:09:41.858 --> 00:09:42.110 well,

NOTE Confidence: 0.837661177692308

00:09:42.110 --> 00:09:43.615 here's an example taken from

NOTE Confidence: 0.837661177692308

00:09:43.615 --> 00:09:45.120 the literature of the misuse

NOTE Confidence: 0.914428622666667

00:09:45.181 --> 00:09:46.766 of race and medical diagnosis,

NOTE Confidence: 0.914428622666667

00:09:46.770 --> 00:09:48.863 in which the author recounts a story

NOTE Confidence: 0.914428622666667

00:09:48.863 --> 00:09:50.908 of a childhood friend who wasn't

NOTE Confidence: 0.914428622666667

00:09:50.908 --> 00:09:52.360 diagnosed with cystic fibrosis

NOTE Confidence: 0.914428622666667

00:09:52.360 --> 00:09:54.448 until she was eight years old.

NOTE Confidence: 0.914428622666667

00:09:54.450 --> 00:09:56.085 Despite presenting multiple

NOTE Confidence: 0.914428622666667

00:09:56.085 --> 00:09:58.265 times with suggestive symptoms,

NOTE Confidence: 0.914428622666667

00:09:58.270 --> 00:10:00.223 and in fact the diagnosis was only

NOTE Confidence: 0.914428622666667

00:10:00.223 --> 00:10:01.995 made when the clinician could not

NOTE Confidence: 0.914428622666667

00:10:01.995 --> 00:10:04.032 see the color of her skin when

NOTE Confidence: 0.914428622666667

00:10:04.091 --> 00:10:05.918 he was looking at a chest film

NOTE Confidence: 0.914428622666667

00:10:05.918 --> 00:10:07.866 and said who's the kid of cystic

NOTE Confidence: 0.914428622666667

00:10:07.866 --> 00:10:09.600 fibrosis that data fact of looking

NOTE Confidence: 0.914428622666667

00:10:09.661 --> 00:10:11.605 at it and seeing the color of skin.

NOTE Confidence: 0.914428622666667

00:10:11.610 --> 00:10:13.678 Turned clinicians away from

NOTE Confidence: 0.914428622666667

00:10:13.678 --> 00:10:15.229 the correct diagnosis,

NOTE Confidence: 0.914428622666667

00:10:15.230 --> 00:10:17.555 and cystic fibrosis is something

NOTE Confidence: 0.914428622666667

00:10:17.555 --> 00:10:19.880 that Doctor Grayson I've talked

NOTE Confidence: 0.914428622666667

00:10:19.955 --> 00:10:21.700 about a number of times.

NOTE Confidence: 0.914428622666667

00:10:21.700 --> 00:10:22.620 So finally, let's if,

NOTE Confidence: 0.914428622666667

00:10:22.620 --> 00:10:24.290 as long as we're looking at this,

20

00:10:24.290 --> 00:10:26.366 let's really step back and say.

00:10:26.370 --> 00:10:28.466 Is there a way we're causing societal harm,

00:10:28.470 --> 00:10:28.883 right?

00:10:28.883 --> 00:10:31.361 Is this perhaps more malignant than

00:10:31.361 --> 00:10:33.750 than we're even thinking about?

00:10:33.750 --> 00:10:36.330 Are we taking one population and

00:10:36.330 --> 00:10:38.216 elevating it, or taking another

00:10:38.216 --> 00:10:39.926 population and putting it down,

00:10:39.930 --> 00:10:42.114 saying bad genes,

00:10:42.114 --> 00:10:44.420 risky habits, non compliant?

00:10:44.420 --> 00:10:48.338 Is there some way that we are subtly or

00:10:48.338 --> 00:10:51.818 not so subtly setting up a social hierarchy?

00:10:51.820 --> 00:10:54.097 So to make this easier for you to visualize,

00:10:54.100 --> 00:10:56.124 I'm going to red line for you all

00:10:56.124 --> 00:10:58.087 of the diseases in Robins that

00:10:58.087 --> 00:11:00.175 are described as having a worse

NOTE Confidence: 0.914428622666667

00:11:00.239 --> 00:11:02.489 prognosis or higher incidence in

NOTE Confidence: 0.914428622666667

00:11:02.489 --> 00:11:04.289 individuals of African descent.

NOTE Confidence: 0.914428622666667

00:11:04.290 --> 00:11:05.229 And for comparison,

NOTE Confidence: 0.914428622666667

00:11:05.229 --> 00:11:07.420 you can see the ones here for

NOTE Confidence: 0.914428622666667

00:11:07.485 --> 00:11:09.529 individuals of European descent.

NOTE Confidence: 0.914428622666667

00:11:09.530 --> 00:11:11.455 So now we're starting to think about,

NOTE Confidence: 0.914428622666667

00:11:11.460 --> 00:11:11.700 well,

NOTE Confidence: 0.914428622666667

00:11:11.700 --> 00:11:12.660 what does race mean,

NOTE Confidence: 0.914428622666667

00:11:12.660 --> 00:11:14.571 and I'm going to ask Doctor Graves

NOTE Confidence: 0.914428622666667

00:11:14.571 --> 00:11:16.829 to talk a little bit about that.

NOTE Confidence: 0.879347623888889

00:11:18.260 --> 00:11:20.096 Thank you doctor Darrup.

NOTE Confidence: 0.879347623888889

00:11:20.096 --> 00:11:23.313 I'm one of the ongoing confusions that

NOTE Confidence: 0.879347623888889

00:11:23.313 --> 00:11:25.945 people have and and and these are

NOTE Confidence: 0.879347623888889

00:11:25.950 --> 00:11:28.350 people who are very highly educated.

NOTE Confidence: 0.879347623888889

00:11:28.350 --> 00:11:31.542 Is the conflation with the existence of

NOTE Confidence: 0.879347623888889

00:11:31.542 --> 00:11:33.478 geographically based genetic variation

NOTE Confidence: 0.879347623888889

00:11:33.478 --> 00:11:35.958 which is real and geographically

NOTE Confidence: 0.879347623888889

00:11:35.958 --> 00:11:37.942 based phenotypic variation with

NOTE Confidence: 0.879347623888889

00:11:38.017 --> 00:11:40.530 which is real with the idea that

NOTE Confidence: 0.879347623888889

00:11:40.530 --> 00:11:42.580 that means that biological races

NOTE Confidence: 0.879347623888889

00:11:42.580 --> 00:11:44.760 must exist within a species.

NOTE Confidence: 0.879347623888889

00:11:44.760 --> 00:11:47.280 Now it turns out in modern biology that

NOTE Confidence: 0.879347623888889

00:11:47.280 --> 00:11:49.527 races are defined by two criteria,

NOTE Confidence: 0.879347623888889

00:11:49.530 --> 00:11:51.896 the first of which is the amount

NOTE Confidence: 0.879347623888889

00:11:51.896 --> 00:11:53.797 of genetic variation within and

NOTE Confidence: 0.879347623888889

00:11:53.797 --> 00:11:55.847 between groups within that species

NOTE Confidence: 0.879347623888889

00:11:55.850 --> 00:11:57.500 and the second criterion is whether

NOTE Confidence: 0.879347623888889

00:11:57.500 --> 00:11:59.040 any group within that species.

NOTE Confidence: 0.879347623888889

00:11:59.040 --> 00:12:01.500 Can be considered a phylogenetically

NOTE Confidence: 0.879347623888889

00:12:01.500 --> 00:12:03.720 distinct or unique lineages.

NOTE Confidence: 0.879347623888889

00:12:03.720 --> 00:12:06.495 Now it's long been established

NOTE Confidence: 0.879347623888889

00:12:06.495 --> 00:12:09.192 that anatomically modern humans

NOTE Confidence: 0.879347623888889

00:12:09.192 --> 00:12:12.612 show more variability within their

NOTE Confidence: 0.879347623888889

00:12:12.612 --> 00:12:16.524 so-called races than between them.

NOTE Confidence: 0.879347623888889

00:12:16.524 --> 00:12:19.425 Uhm, and again while we have

NOTE Confidence: 0.879347623888889

00:12:19.425 --> 00:12:20.682 geographically based genetic

NOTE Confidence: 0.879347623888889

00:12:20.682 --> 00:12:22.360 and physical differences,

NOTE Confidence: 0.879347623888889

00:12:22.360 --> 00:12:27.424 all humans share 99.9% of their genome.

NOTE Confidence: 0.879347623888889

00:12:27.424 --> 00:12:28.406 Next please.

NOTE Confidence: 0.881404120769231

00:12:31.490 --> 00:12:34.878 So when we utilize our two criteria

NOTE Confidence: 0.881404120769231

00:12:34.878 --> 00:12:37.880 and apply them to our species,

NOTE Confidence: 0.881404120769231

00:12:37.880 --> 00:12:39.295 it turns out that biological

NOTE Confidence: 0.881404120769231

00:12:39.295 --> 00:12:41.320 race does not exist in monuments.

NOTE Confidence: 0.881404120769231

00:12:41.320 --> 00:12:44.614 Now that's very different from socially

NOTE Confidence: 0.881404120769231

00:12:44.614 --> 00:12:47.791 constructed or socially defined race which

NOTE Confidence: 0.881404120769231

00:12:47.791 --> 00:12:50.746 arbitrarily utilizes aspects of morphology,

NOTE Confidence: 0.881404120769231

00:12:50.750 --> 00:12:52.256 geography, culture, language,

NOTE Confidence: 0.881404120769231

00:12:52.256 --> 00:12:55.770 religion, but only does so in the

NOTE Confidence: 0.881404120769231

00:12:55.851 --> 00:12:58.876 surface of social dominance hierarchy.

NOTE Confidence: 0.881404120769231

00:12:58.880 --> 00:13:01.456 In other words, my colleague Alan Goodman.

NOTE Confidence: 0.881404120769231

00:13:01.460 --> 00:13:03.518 In our new book racism not race,

NOTE Confidence: 0.881404120769231

00:13:03.520 --> 00:13:07.240 make the point that it was

NOTE Confidence: 0.881404120769231

00:13:07.240 --> 00:13:09.720 racism that created race,

NOTE Confidence: 0.881404120769231

00:13:09.720 --> 00:13:13.110 not vice versa in our species.

NOTE Confidence: 0.881404120769231

00:13:13.110 --> 00:13:15.564 Now this is beginning and get

NOTE Confidence: 0.881404120769231

00:13:15.564 --> 00:13:17.876 wider recognition in some health

NOTE Confidence: 0.881404120769231

00:13:17.876 --> 00:13:20.256 disciplines such as epidemiology,

NOTE Confidence: 0.881404120769231

00:13:20.260 --> 00:13:21.572 for example,

NOTE Confidence: 0.881404120769231

00:13:21.572 --> 00:13:24.196 meryl's introduction to epidemiology

NOTE Confidence: 0.881404120769231

00:13:24.200 --> 00:13:27.830 2017 states race is a socially

NOTE Confidence: 0.881404120769231

00:13:27.830 --> 00:13:30.204 constructed variable based on the

NOTE Confidence: 0.881404120769231

00:13:30.204 --> 00:13:32.144 idea that some human populations.

NOTE Confidence: 0.881404120769231

00:13:32.150 --> 00:13:34.261 Are just seeing from others according

NOTE Confidence: 0.881404120769231

00:13:34.261 --> 00:13:36.025 to external physical characteristics

NOTE Confidence: 0.881404120769231

00:13:36.025 --> 00:13:38.480 or places of origin next please.

NOTE Confidence: 0.8961632

00:13:41.430 --> 00:13:43.854 But they go on to point out that

NOTE Confidence: 0.8961632

00:13:43.854 --> 00:13:45.973 racial or ethnic variations in

NOTE Confidence: 0.8961632

00:13:45.973 --> 00:13:48.363 health related states or events,

NOTE Confidence: 0.8961632

00:13:48.370 --> 00:13:52.190 or explained primarily by exposure

NOTE Confidence: 0.8961632

00:13:52.190 --> 00:13:54.832 or vulnerability to behavioral,

NOTE Confidence: 0.8961632

00:13:54.832 --> 00:13:57.056 psychosocial, material or environmental

NOTE Confidence: 0.8961632

00:13:57.056 --> 00:13:59.280 risk factors and resources,

NOTE Confidence: 0.8961632

00:13:59.280 --> 00:14:01.485 and note what they do not say,

NOTE Confidence: 0.8961632

00:14:01.490 --> 00:14:04.292 is that these variations in health

NOTE Confidence: 0.8961632

00:14:04.292 --> 00:14:06.840 related states are the result

NOTE Confidence: 0.8961632

00:14:06.840 --> 00:14:09.800 of differences in the frequency

NOTE Confidence: 0.8961632

00:14:09.800 --> 00:14:11.576 of disease predisposition.

NOTE Confidence: 0.8961632

00:14:11.580 --> 00:14:13.628 Genetic variance next slide.

NOTE Confidence: 0.9630781

00:14:17.240 --> 00:14:20.884 So this confusion finds its way into

NOTE Confidence: 0.9630781

00:14:20.884 --> 00:14:23.860 a variety of our social institutions.

NOTE Confidence: 0.9630781

00:14:23.860 --> 00:14:25.236 For example, even EU.

NOTE Confidence: 0.9630781

00:14:25.236 --> 00:14:27.635 S. Census Bureau uses.

NOTE Confidence: 0.9630781

00:14:27.635 --> 00:14:30.375 So she defined categories.

NOTE Confidence: 0.9630781

00:14:30.380 --> 00:14:32.956 For example, white is a person having origins

NOTE Confidence: 0.9630781

00:14:32.956 --> 00:14:35.770 at any of the original peoples of Europe,

NOTE Confidence: 0.9630781

00:14:35.770 --> 00:14:37.600 the Middle East, or North Africa.

NOTE Confidence: 0.9630781

00:14:37.600 --> 00:14:42.535 But they actually don't decide how much

NOTE Confidence: 0.9630781

00:14:42.540 --> 00:14:46.670 ancestry in those regions makes you white.

NOTE Confidence: 0.9630781

00:14:46.670 --> 00:14:48.758 Black or African American.

NOTE Confidence: 0.9630781

00:14:48.758 --> 00:14:51.890 A person having origins on any.

NOTE Confidence: 0.9630781

00:14:51.890 --> 00:14:54.907 Of the black racial groups of Africa,

NOTE Confidence: 0.9630781

00:14:54.910 --> 00:14:57.108 and again we ask the same question, how much?

NOTE Confidence: 0.9630781

00:14:57.108 --> 00:14:59.253 Considering that there's more genetic

NOTE Confidence: 0.9630781

00:14:59.253 --> 00:15:01.934 variability on the continent of Africa and

NOTE Confidence: 0.9630781

00:15:01.934 --> 00:15:04.970 then the entire rest of the world combined.

NOTE Confidence: 0.9630781

00:15:04.970 --> 00:15:07.400 American Indian or Alaskan Native person

NOTE Confidence: 0.9630781

00:15:07.400 --> 00:15:10.203 having origins in any of the original

NOTE Confidence: 0.9630781

00:15:10.203 --> 00:15:12.423 peoples of North and South America.

NOTE Confidence: 0.9630781

00:15:12.430 --> 00:15:13.897 Including Central America,

NOTE Confidence: 0.9630781

00:15:13.897 --> 00:15:15.853 but who maintains tribal

NOTE Confidence: 0.9630781

00:15:15.853 --> 00:15:18.100 affiliation or community attachment?

NOTE Confidence: 0.9630781

00:15:18.100 --> 00:15:19.528 So in other words,

NOTE Confidence: 0.9630781

00:15:19.528 --> 00:15:22.255 a person with that ancestry who no

NOTE Confidence: 0.9630781

00:15:22.255 --> 00:15:24.283 longer maintains tribal affiliation

NOTE Confidence: 0.9630781

00:15:24.283 --> 00:15:26.818 is no longer considered American

NOTE Confidence: 0.9630781

00:15:26.897 --> 00:15:29.614 Indian by EU S Census Bureau and one

NOTE Confidence: 0.9630781

00:15:29.614 --> 00:15:32.113 of the categories that I find most

NOTE Confidence: 0.9630781

00:15:32.120 --> 00:15:35.516 egregious is the notion of Asian.

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NOTE Confidence: 0.9630781

00:15:35.520 --> 00:15:37.880 A person having origins of any of the

NOTE Confidence: 0.9630781

00:15:37.880 --> 00:15:39.398 original peoples of the Far East,

NOTE Confidence: 0.9630781

00:15:39.400 --> 00:15:42.260 Southeast Asia, or Indian subcontinent,

NOTE Confidence: 0.9630781

00:15:42.260 --> 00:15:44.789 and when you look at the number of countries,

NOTE Confidence: 0.9630781

00:15:44.790 --> 00:15:46.520 for example, Cambodia, China, India,

NOTE Confidence: 0.9630781

00:15:46.520 --> 00:15:50.000 Japan, Korea, Malaysia, and so on.

NOTE Confidence: 0.9630781

00:15:50.000 --> 00:15:53.450 We're talking about huge geographical

NOTE Confidence: 0.9630781

00:15:53.450 --> 00:15:56.600 area and populations that differ in a

NOTE Confidence: 0.9630781

00:15:56.600 --> 00:15:59.890 number of physical and genetic attributes.

NOTE Confidence: 0.9630781

00:15:59.890 --> 00:16:02.476 So really, how useful is this?

NOTE Confidence: 0.9630781

00:16:02.480 --> 00:16:02.943 Finally,

NOTE Confidence: 0.9630781

00:16:02.943 --> 00:16:05.258 Hawaiian Native or Pacific Islander

NOTE Confidence: 0.9630781

00:16:05.258 --> 00:16:08.278 person having origins of any of the

NOTE Confidence: 0.9630781

00:16:08.278 --> 00:16:10.526 original peoples of Hawaii, Guam?

NOTE Confidence: 0.9630781

00:16:10.526 --> 00:16:12.830 Some on doctor Deborah?

NOTE Confidence: 0.890527644117647

00:16:15.450 --> 00:16:16.780 Alright, so thank you doctor

NOTE Confidence: 0.890527644117647

00:16:16.780 --> 00:16:18.755 Graves so we've just looked at some

NOTE Confidence: 0.890527644117647

00:16:18.755 --> 00:16:20.245 categories of socially defined race.

NOTE Confidence: 0.890527644117647

00:16:20.250 --> 00:16:22.959 Let's look at this in the context of disease.

NOTE Confidence: 0.890527644117647

00:16:22.960 --> 00:16:26.568 So this is a map that is showing

NOTE Confidence: 0.890527644117647

00:16:26.570 --> 00:16:29.708 the distribution of a variety of

NOTE Confidence: 0.890527644117647

00:16:29.708 --> 00:16:33.017 hemoglobinopathies and all of us as

NOTE Confidence: 0.890527644117647

00:16:33.017 --> 00:16:36.407 good clinicians and and focused on

NOTE Confidence: 0.890527644117647

00:16:36.407 --> 00:16:38.805 pathophysiology recognized as these

NOTE Confidence: 0.890527644117647

00:16:38.805 --> 00:16:41.165 hemoglobinopathies are linked to.

NOTE Confidence: 0.890527644117647

00:16:41.170 --> 00:16:43.418 Evolutionary pressure from malaria.

NOTE Confidence: 0.890527644117647

00:16:43.418 --> 00:16:46.280 OK, so as we look at this we can see here

NOTE Confidence: 0.890527644117647

00:16:46.342 --> 00:16:48.886 we have thalassemia and green hemoglobin,

NOTE Confidence: 0.890527644117647

00:16:48.890 --> 00:16:50.542 S in orange. Hemoglobin.

NOTE Confidence: 0.890527644117647

00:16:50.542 --> 00:16:52.607 See here and blueish grey.

NOTE Confidence: 0.890527644117647

00:16:52.610 --> 00:16:54.146 And you know, traditionally,

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NOTE Confidence: 0.890527644117647

00:16:54.146 --> 00:16:55.682 make associations like I've

NOTE Confidence: 0.890527644117647

00:16:55.682 --> 00:16:57.810 seen him in board review books.

NOTE Confidence: 0.890527644117647

00:16:57.810 --> 00:17:00.288 Dallas EMEA is associated with with Asians,

NOTE Confidence: 0.890527644117647

00:17:00.290 --> 00:17:00.613 right?

NOTE Confidence: 0.890527644117647

00:17:00.613 --> 00:17:03.197 Well, there are huge areas of Asian with

NOTE Confidence: 0.890527644117647

00:17:03.197 --> 00:17:05.759 Asia which which don't have thalassemia.

NOTE Confidence: 0.890527644117647

00:17:05.760 --> 00:17:08.112 What really determines whether or not

NOTE Confidence: 0.890527644117647

00:17:08.112 --> 00:17:11.527 you have a risk for these these various?

NOTE Confidence: 0.890527644117647

00:17:11.530 --> 00:17:14.210 Diseases has to do whether or not your

NOTE Confidence: 0.890527644117647

00:17:14.210 --> 00:17:16.209 ancestors were at risk for malaria,

NOTE Confidence: 0.890527644117647

00:17:16.210 --> 00:17:18.256 so it's not dependent on country

NOTE Confidence: 0.890527644117647

00:17:18.256 --> 00:17:20.748 or continent it has to do purely

NOTE Confidence: 0.890527644117647

00:17:20.748 --> 00:17:22.872 with whether or not there were

NOTE Confidence: 0.890527644117647

00:17:22.872 --> 00:17:24.539 mosquitoes that carry malaria.

NOTE Confidence: 0.890527644117647

00:17:24.540 --> 00:17:25.788 So we look here at Africa,

NOTE Confidence: 0.890527644117647

00:17:25.790 --> 00:17:27.340 which is traditionally are or

NOTE Confidence: 0.890527644117647

00:17:27.340 --> 00:17:29.232 what we consider the sickle cell

NOTE Confidence: 0.890527644117647

00:17:29.232 --> 00:17:30.637 area in the United States.

NOTE Confidence: 0.890527644117647

00:17:30.640 --> 00:17:32.712 Here's this broad area of Africa that

NOTE Confidence: 0.890527644117647

00:17:32.712 --> 00:17:35.090 doesn't have any of the hemoglobinopathies.

NOTE Confidence: 0.890527644117647

00:17:35.090 --> 00:17:36.637 Now if anyone wants to put in

NOTE Confidence: 0.890527644117647

00:17:36.637 --> 00:17:38.088 the chat why that could be,

NOTE Confidence: 0.890527644117647

00:17:38.090 --> 00:17:39.870 there's this broad area here,

NOTE Confidence: 0.890527644117647

00:17:39.870 --> 00:17:41.540 right in the middle well.

NOTE Confidence: 0.890527644117647

00:17:41.540 --> 00:17:42.818 That's where the Sahara desert is,

NOTE Confidence: 0.890527644117647

00:17:42.820 --> 00:17:44.416 and you know the Sahara desert

NOTE Confidence: 0.890527644117647

00:17:44.416 --> 00:17:45.480 means there's no mosquitoes.

NOTE Confidence: 0.890527644117647

00:17:45.480 --> 00:17:47.012 No mosquitoes means no.

NOTE Confidence: 0.890527644117647

00:17:47.012 --> 00:17:48.927 Malaria means there's no predisposition

NOTE Confidence: 0.890527644117647

00:17:48.927 --> 00:17:51.471 to any of these these particular alleles.

NOTE Confidence: 0.890527644117647

00:17:51.471 --> 00:17:54.273 Now let's cone down a little

NOTE Confidence: 0.890527644117647

00:17:54.273 --> 00:17:56.039 bit more on Africa.

NOTE Confidence: 0.890527644117647

00:17:56.040 --> 00:17:56.253 Actually,

NOTE Confidence: 0.890527644117647

00:17:56.253 --> 00:17:57.744 let's see if I can go back.

NOTE Confidence: 0.890527644117647

00:17:57.750 --> 00:17:59.598 I wanted to make one of the point

NOTE Confidence: 0.890527644117647

00:17:59.598 --> 00:18:01.277 before I go on to sickle cell,

NOTE Confidence: 0.890527644117647

00:18:01.280 --> 00:18:03.464 which is that in the United States

NOTE Confidence: 0.890527644117647

00:18:03.464 --> 00:18:05.228 we really emphasize that African

NOTE Confidence: 0.890527644117647

00:18:05.228 --> 00:18:06.768 Americans have sickle cell.

NOTE Confidence: 0.890527644117647

00:18:06.770 --> 00:18:09.010 This is the the African American disease.

NOTE Confidence: 0.890527644117647

00:18:09.010 --> 00:18:11.506 But what we're overlooking then is the risk.

NOTE Confidence: 0.890527644117647

00:18:11.510 --> 00:18:12.790 Here in southern Europe,

NOTE Confidence: 0.890527644117647

00:18:12.790 --> 00:18:15.560 in the Middle East and in India, right?

NOTE Confidence: 0.890527644117647

00:18:15.560 --> 00:18:18.360 And so we're missing a large part

NOTE Confidence: 0.890527644117647

00:18:18.360 --> 00:18:21.718 of the potential possibilities here,

NOTE Confidence: 0.890527644117647

00:18:21.720 --> 00:18:23.778 but let's focus. Here on Africa.

NOTE Confidence: 0.890527644117647

00:18:23.780 --> 00:18:24.023 OK,

NOTE Confidence: 0.890527644117647

00:18:24.023 --> 00:18:25.967 so we already talked about this ahara desert.

NOTE Confidence: 0.890527644117647

00:18:25.970 --> 00:18:28.364 We have this area here in Sub Saharan Africa,

NOTE Confidence: 0.890527644117647

00:18:28.370 --> 00:18:30.082 where we have hemoglobin,

NOTE Confidence: 0.890527644117647

00:18:30.082 --> 00:18:31.930 S and just another point.

NOTE Confidence: 0.890527644117647

00:18:31.930 --> 00:18:33.705 I'd like to make right?

NOTE Confidence: 0.890527644117647

00:18:33.710 --> 00:18:36.981 So this area here is Kenya and

NOTE Confidence: 0.890527644117647

00:18:36.981 --> 00:18:38.286 if you think about Kenya,

NOTE Confidence: 0.890527644117647

00:18:38.290 --> 00:18:41.010 it's a very mountainous country.

NOTE Confidence: 0.890527644117647

00:18:41.010 --> 00:18:43.250 So if you're trying to think OK,

NOTE Confidence: 0.890527644117647

00:18:43.250 --> 00:18:46.135 I'm thinking about risk for

NOTE Confidence: 0.890527644117647

00:18:46.135 --> 00:18:49.801 particularly licks posure to to his

NOTE Confidence: 0.890527644117647

00:18:49.801 --> 00:18:52.537 historical exposure to malaria.

NOTE Confidence: 0.890527644117647

00:18:52.540 --> 00:18:54.255 Kenya is right there in that shadow,

NOTE Confidence: 0.890527644117647

00:18:54.260 --> 00:18:55.805 but if an individual's ancestors

NOTE Confidence: 0.890527644117647

00:18:55.805 --> 00:18:57.350 come from the mountain tribes

NOTE Confidence: 0.890527644117647

00:18:57.403 --> 00:18:58.947 where there weren't mosquitoes,

NOTE Confidence: 0.890527644117647

00:18:58.950 --> 00:19:01.932 then they have no greater risk for

NOTE Confidence: 0.890527644117647

00:19:01.932 --> 00:19:04.324 sickle cell anemia than someone

NOTE Confidence: 0.890527644117647

00:19:04.324 --> 00:19:06.904 from northern England right now.

NOTE Confidence: 0.890527644117647

00:19:06.910 --> 00:19:07.636 Of course,

NOTE Confidence: 0.890527644117647

00:19:07.636 --> 00:19:09.814 with a population admixture and global

NOTE Confidence: 0.890527644117647

00:19:09.814 --> 00:19:12.240 warming that that association is shifted.

NOTE Confidence: 0.890527644117647

00:19:12.240 --> 00:19:12.452 OK,

NOTE Confidence: 0.890527644117647

00:19:12.452 --> 00:19:13.936 so here we are looking at Africa,

NOTE Confidence: 0.890527644117647

00:19:13.940 --> 00:19:15.536 we have our our sickle cell.

NOTE Confidence: 0.890527644117647

00:19:15.540 --> 00:19:17.556 Here we have a hemoglobin C and

NOTE Confidence: 0.890527644117647

00:19:17.556 --> 00:19:18.420 if we were

NOTE Confidence: 0.886602509130435

00:19:18.493 --> 00:19:21.349 to compare that with a map that shows

NOTE Confidence: 0.886602509130435

00:19:21.349 --> 00:19:23.370 where enslaved people were taken.

NOTE Confidence: 0.886602509130435

00:19:23.370 --> 00:19:25.205 Historically, in our country's past

NOTE Confidence: 0.886602509130435

00:19:25.205 --> 00:19:28.206 you would see that even if you didn't

NOTE Confidence: 0.886602509130435

00:19:28.206 --> 00:19:30.402 know anything about modern day America,

NOTE Confidence: 0.886602509130435

00:19:30.410 --> 00:19:32.750 you would expect us to have a fair amount

NOTE Confidence: 0.886602509130435

00:19:32.750 --> 00:19:35.310 of hemoglobin, S, and hemoglobin C.

NOTE Confidence: 0.886602509130435

00:19:35.310 --> 00:19:37.960 And of course, you would be right here.

NOTE Confidence: 0.886602509130435

00:19:37.960 --> 00:19:40.471 This is from a a single study from Howard

NOTE Confidence: 0.886602509130435

00:19:40.471 --> 00:19:42.530 University of sickle Cell screening clinic,

NOTE Confidence: 0.886602509130435

00:19:42.530 --> 00:19:44.681 and you can see that we have a fair

NOTE Confidence: 0.886602509130435

00:19:44.681 --> 00:19:46.870 amount of hemoglobin S and hemoglobin C,

NOTE Confidence: 0.886602509130435

00:19:46.870 --> 00:19:48.044 so you may be thinking, OK,

NOTE Confidence: 0.886602509130435

00:19:48.044 --> 00:19:49.328 I'm starting to put this together.

NOTE Confidence: 0.886602509130435

00:19:49.330 --> 00:19:50.450 It's not just geography.

NOTE Confidence: 0.886602509130435

00:19:50.450 --> 00:19:52.300 I mean, I don't expect everyone to

NOTE Confidence: 0.886602509130435

00:19:52.300 --> 00:19:53.982 know the altitudes of, you know.

NOTE Confidence: 0.886602509130435

00:19:53.982 --> 00:19:55.587 Different countries and and whether

NOTE Confidence: 0.886602509130435

00:19:55.587 --> 00:19:56.790 they're mountainous or not,

NOTE Confidence: 0.886602509130435

00:19:56.790 --> 00:19:57.948 but you're starting to put together.

NOTE Confidence: 0.886602509130435

00:19:57.950 --> 00:19:59.150 There's more to this story,

NOTE Confidence: 0.886602509130435

00:19:59.150 --> 00:20:02.118 and maybe I can have some understanding.

NOTE Confidence: 0.886602509130435

00:20:02.120 --> 00:20:04.115 But you have to be careful because

NOTE Confidence: 0.886602509130435

00:20:04.115 --> 00:20:05.670 a rising share of EU. S.

NOTE Confidence: 0.886602509130435

00:20:05.670 --> 00:20:07.120 Black population is foreign born.

NOTE Confidence: 0.886602509130435

00:20:07.120 --> 00:20:09.740 So if you were to try to base some of

NOTE Confidence: 0.886602509130435

00:20:09.819 --> 00:20:12.501 your diagnostic heuristics on the the

NOTE Confidence: 0.886602509130435

00:20:12.501 --> 00:20:15.498 origin of enslaved people in this country,

NOTE Confidence: 0.886602509130435

00:20:15.500 --> 00:20:18.272 you have to be aware that a lot of EU.

NOTE Confidence: 0.886602509130435

00:20:18.272 --> 00:20:20.386 S black population is not coming from

NOTE Confidence: 0.886602509130435

00:20:20.386 --> 00:20:22.385 those areas that were historically

NOTE Confidence: 0.886602509130435

00:20:22.385 --> 00:20:24.600 associated with being African American,

NOTE Confidence: 0.886602509130435

00:20:24.600 --> 00:20:27.274 and in fact the mean amount of

NOTE Confidence: 0.886602509130435

00:20:27.274 --> 00:20:30.140 European ancestry is about 16% for the

NOTE Confidence: 0.886602509130435

00:20:30.140 --> 00:20:32.240 descendants of those enslaved persons.

NOTE Confidence: 0.886602509130435

00:20:32.240 --> 00:20:34.208 Now population admixture is a very

NOTE Confidence: 0.886602509130435

00:20:34.208 --> 00:20:35.895 important component as we're thinking

NOTE Confidence: 0.886602509130435

00:20:35.895 --> 00:20:37.505 about disease processes and doctor

NOTE Confidence: 0.886602509130435

00:20:37.505 --> 00:20:39.739 Graves is going to go into that now.

NOTE Confidence: 0.737002936666667

00:20:41.080 --> 00:20:42.676 Hey, thank you again Doctor Darrup.

NOTE Confidence: 0.737002936666667

00:20:42.680 --> 00:20:46.076 So when we look at the.

NOTE Confidence: 0.737002936666667

00:20:46.076 --> 00:20:48.756 Variation in European ancestry and

NOTE Confidence: 0.737002936666667

00:20:48.756 --> 00:20:51.493 persons socially defined as African

NOTE Confidence: 0.737002936666667

00:20:51.493 --> 00:20:54.028 American in the United States,

NOTE Confidence: 0.737002936666667

00:20:54.030 --> 00:20:55.638 it can vary dramatically

NOTE Confidence: 0.737002936666667

00:20:55.638 --> 00:20:57.648 by region of the country.

NOTE Confidence: 0.737002936666667

00:20:57.650 --> 00:20:59.900 So while the mean maybe

NOTE Confidence: 0.737002936666667

00:20:59.900 --> 00:21:03.688 16% of European ancestry,

NOTE Confidence: 0.737002936666667

00:21:03.690 --> 00:21:05.594 for example the state like West Virginia,

NOTE Confidence: 0.737002936666667

00:21:05.600 --> 00:21:08.218 it's in excess of 30% European

NOTE Confidence: 0.737002936666667

00:21:08.218 --> 00:21:11.806 ancestry and a state like Washington.

NOTE Confidence: 0.737002936666667

00:21:11.810 --> 00:21:15.756 It is also in excess of 30% of

NOTE Confidence: 0.737002936666667

00:21:15.756 --> 00:21:18.166 European ancestry, so the 16%.

NOTE Confidence: 0.737002936666667

00:21:18.166 --> 00:21:22.770 Tends to be more common in

NOTE Confidence: 0.737002936666667

00:21:22.770 --> 00:21:26.330 the South eastern states,

NOTE Confidence: 0.737002936666667

00:21:26.330 --> 00:21:29.249 which of course were the the the

NOTE Confidence: 0.737002936666667

00:21:29.249 --> 00:21:31.230 location of chattel slavery.

NOTE Confidence: 0.737002936666667

00:21:31.230 --> 00:21:32.860 The primary location of channel

NOTE Confidence: 0.737002936666667

00:21:32.860 --> 00:21:34.490 slavery in the United States.

NOTE Confidence: 0.737002936666667

00:21:34.490 --> 00:21:35.080 Next slide.

NOTE Confidence: 0.891426944615385

00:21:38.260 --> 00:21:40.976 Now when we look at people who

NOTE Confidence: 0.891426944615385

00:21:40.976 --> 00:21:43.699 are defined as Latino or Latina.

NOTE Confidence: 0.891426944615385

00:21:43.700 --> 00:21:45.671 The admixture percentages

NOTE Confidence: 0.891426944615385

00:21:45.671 --> 00:21:48.299 vary even more dramatically,

NOTE Confidence: 0.891426944615385

00:21:48.300 --> 00:21:51.702 and that's in part because these populations

NOTE Confidence: 0.891426944615385

00:21:51.702 --> 00:21:55.680 are a try admixture between European,

NOTE Confidence: 0.891426944615385

00:21:55.680 --> 00:21:58.340 Amerindian and African ancestry.

NOTE Confidence: 0.891426944615385

00:21:58.340 --> 00:21:59.670 Next slide.

NOTE Confidence: 0.7931913308

00:22:03.010 --> 00:22:05.140 So for example, in Puerto Ricans

NOTE Confidence: 0.7931913308

00:22:05.140 --> 00:22:07.386 and are now more Puerto Ricans

NOTE Confidence: 0.7931913308

00:22:07.386 --> 00:22:09.642 in the United States than there

NOTE Confidence: 0.7931913308

00:22:09.642 --> 00:22:12.356 are on the island of Puerto Rico,

NOTE Confidence: 0.7931913308

00:22:12.360 --> 00:22:15.985 72% of their genetic ancestry

NOTE Confidence: 0.7931913308

00:22:15.985 --> 00:22:19.359 is on average European,

NOTE Confidence: 0.7931913308

00:22:19.360 --> 00:22:21.380 16% on average American

NOTE Confidence: 0.7931913308

00:22:21.380 --> 00:22:23.513 Indian but 12% African.

NOTE Confidence: 0.7931913308

00:22:23.513 --> 00:22:27.191 Now compare that to Mexican Americans

NOTE Confidence: 0.7931913308

00:22:27.191 --> 00:22:30.900 who are the largest Latino Latino

NOTE Confidence: 0.7931913308

00:22:30.900 --> 00:22:34.614 group in the United States where 51%

NOTE Confidence: 0.7931913308

00:22:34.614 --> 00:22:38.106 of their ancestry is American Indian,

NOTE Confidence: 0.7931913308

00:22:38.110 --> 00:22:40.380 46% European, but only three

NOTE Confidence: 0.7931913308

00:22:40.380 --> 00:22:44.629 percent African now in Colombia.

NOTE Confidence: 0.7931913308

00:22:44.630 --> 00:22:47.492 The mean percentage of African ancestry

NOTE Confidence: 0.7931913308

00:22:47.492 --> 00:22:52.075 is only 7% with 29% American Indian

NOTE Confidence: 0.7931913308

00:22:52.075 --> 00:22:55.270 ancestry and 64% European ancestry.

NOTE Confidence: 0.7931913308

00:22:55.270 --> 00:22:58.170 But compare that to Peru,

NOTE Confidence: 0.7931913308

00:22:58.170 --> 00:23:00.520 where it's 80% American Indian

NOTE Confidence: 0.7931913308

00:23:00.520 --> 00:23:03.913 ancestry and only a sliver of African

NOTE Confidence: 0.7931913308

00:23:03.913 --> 00:23:06.000 ancestry around 2% next slide.

NOTE Confidence: 0.941730743333333

00:23:08.740 --> 00:23:11.998 Even within the country of Colombia,

NOTE Confidence: 0.941730743333333

00:23:12.000 --> 00:23:15.330 admixture depends very much upon history.

NOTE Confidence: 0.941730743333333

00:23:15.330 --> 00:23:18.720 So in the city of Medellin.

NOTE Confidence: 0.941730743333333

00:23:18.720 --> 00:23:21.505 The population there more closely

NOTE Confidence: 0.941730743333333

00:23:21.505 --> 00:23:24.940 reflects the mean for the country

NOTE Confidence: 0.941730743333333

00:23:24.940 --> 00:23:28.258 with regard to the triad mixture,

NOTE Confidence: 0.941730743333333

00:23:28.260 --> 00:23:30.564 meaning predominantly European.

NOTE Confidence: 0.941730743333333

00:23:30.564 --> 00:23:33.636 A significant Amerindian ancestry,

NOTE Confidence: 0.941730743333333

00:23:33.640 --> 00:23:35.920 but very little African ancestry,

NOTE Confidence: 0.941730743333333

00:23:35.920 --> 00:23:38.076 but in the neighboring state of Choco,

NOTE Confidence: 0.941730743333333

00:23:38.080 --> 00:23:42.100 which was a focus of plantation agriculture.

NOTE Confidence: 0.941730743333333

00:23:42.100 --> 00:23:45.800 The vast majority of those

NOTE Confidence: 0.941730743333333

00:23:45.800 --> 00:23:48.960 people's ancestry is African.

NOTE Confidence: 0.941730743333333

00:23:48.960 --> 00:23:50.225 Similar to numbers that we

NOTE Confidence: 0.941730743333333

00:23:50.225 --> 00:23:51.900 would see in the United States,

NOTE Confidence: 0.941730743333333

00:23:51.900 --> 00:23:54.858 although there is more American Indian

NOTE Confidence: 0.941730743333333

00:23:54.858 --> 00:23:57.308 ancestry in Colombians from Choco

NOTE Confidence: 0.941730743333333

00:23:57.308 --> 00:23:59.738 than there are African Americans,

NOTE Confidence: 0.941730743333333

00:23:59.740 --> 00:24:01.948 now that both of these groups

NOTE Confidence: 0.941730743333333

00:24:01.948 --> 00:24:03.052 consider themselves Colombian,

NOTE Confidence: 0.941730743333333

00:24:03.060 --> 00:24:04.628 and if they came to the United States,

NOTE Confidence: 0.941730743333333

00:24:04.630 --> 00:24:06.510 they would call themselves Colombian.

NOTE Confidence: 0.941730743333333

00:24:06.510 --> 00:24:09.576 But in our socially defined racial scheme,

NOTE Confidence: 0.941730743333333

00:24:09.580 --> 00:24:12.583 these two groups of people would be

NOTE Confidence: 0.941730743333333

00:24:12.583 --> 00:24:13.870 treated dramatically differently.

NOTE Confidence: 0.941730743333333

00:24:13.870 --> 00:24:14.640 Doctor darrow

NOTE Confidence: 0.963101883333333

00:24:15.840 --> 00:24:19.050 right? So so I think that.

NOTE Confidence: 0.963101883333333

00:24:19.050 --> 00:24:22.182 Oh sorry. A hawk just went

NOTE Confidence: 0.963101883333333

00:24:22.182 --> 00:24:23.820 after my ducks in the backyard.

NOTE Confidence: 0.963101883333333

00:24:23.820 --> 00:24:26.250 Sorry, so race is not a

NOTE Confidence: 0.963101883333333

00:24:26.250 --> 00:24:27.465 biological useful construct.

NOTE Confidence: 0.963101883333333

00:24:27.470 --> 00:24:29.136 I hope that what we've shown you

NOTE Confidence: 0.963101883333333

00:24:29.136 --> 00:24:31.249 over the last few slides has shown that.

NOTE Confidence: 0.963101883333333

00:24:31.250 --> 00:24:33.710 So why, then, are there racial

NOTE Confidence: 0.963101883333333

00:24:33.710 --> 00:24:36.010 disparities in health and disease?

NOTE Confidence: 0.963101883333333

00:24:36.010 --> 00:24:38.187 So we have intrinsic causes of disparities,

NOTE Confidence: 0.963101883333333

00:24:38.190 --> 00:24:39.483 so genetic causes,

NOTE Confidence: 0.963101883333333

00:24:39.483 --> 00:24:42.941 and this comes back to what Meryl was

NOTE Confidence: 0.963101883333333

00:24:42.941 --> 00:24:45.452 saying in the 2017 book on Epidemiology.

NOTE Confidence: 0.963101883333333

00:24:45.452 --> 00:24:47.630 So these are a small contribution

NOTE Confidence: 0.963101883333333

00:24:47.695 --> 00:24:49.540 to the cause of disparities

NOTE Confidence: 0.963101883333333

00:24:49.540 --> 00:24:51.385 compared to the extrinsic causes.

NOTE Confidence: 0.963101883333333

00:24:51.390 --> 00:24:52.998 We'll talk about in a moment,

NOTE Confidence: 0.963101883333333

00:24:53.000 --> 00:24:54.547 so we all are familiar with a

NOTE Confidence: 0.963101883333333

00:24:54.547 --> 00:24:56.290 little bit of population genetics.

NOTE Confidence: 0.963101883333333

00:24:56.290 --> 00:24:58.306 At least we know about founder

NOTE Confidence: 0.963101883333333

00:24:58.306 --> 00:24:59.650 effects or population bottlenecks,

NOTE Confidence: 0.963101883333333

00:24:59.650 --> 00:25:03.045 so examples of this would be severe

NOTE Confidence: 0.963101883333333

00:25:03.045 --> 00:25:05.679 combined immune deficiency in the Navajo.

NOTE Confidence: 0.963101883333333

00:25:05.680 --> 00:25:06.838 And the Hickory,

NOTE Confidence: 0.963101883333333

00:25:06.838 --> 00:25:09.540 Apache or Tay Sachs in the Ashkenazi

NOTE Confidence: 0.963101883333333

00:25:09.613 --> 00:25:11.765 Jewish population following the

NOTE Confidence: 0.963101883333333

00:25:11.765 --> 00:25:13.917 decimation of those populations

NOTE Confidence: 0.963101883333333

00:25:13.917 --> 00:25:16.791 because of the American government

NOTE Confidence: 0.963101883333333

00:25:16.791 --> 00:25:19.079 and the Holocaust respectively.

NOTE Confidence: 0.963101883333333

00:25:19.080 --> 00:25:20.980 But these are affecting populations

NOTE Confidence: 0.963101883333333

00:25:20.980 --> 00:25:23.404 and not race is another possible

NOTE Confidence: 0.963101883333333

00:25:23.404 --> 00:25:25.212 'cause of genetic differentiation

NOTE Confidence: 0.963101883333333

00:25:25.212 --> 00:25:27.996 can be endogamy so marriage within

NOTE Confidence: 0.963101883333333

00:25:27.996 --> 00:25:30.256 or more specifically breeding within

NOTE Confidence: 0.963101883333333

00:25:30.256 --> 00:25:32.732 one group and this can be due to

NOTE Confidence: 0.963101883333333

00:25:32.732 --> 00:25:34.460 religion or caste or geography.

NOTE Confidence: 0.963101883333333

00:25:34.460 --> 00:25:36.260 But once again is not based

NOTE Confidence: 0.963101883333333

00:25:36.260 --> 00:25:37.160 on socially defined.

NOTE Confidence: 0.963101883333333

00:25:37.160 --> 00:25:39.278 Race, it's a it's a population.

NOTE Confidence: 0.963101883333333

00:25:39.280 --> 00:25:41.275 And then finally we have selective advantage,

NOTE Confidence: 0.963101883333333

00:25:41.280 --> 00:25:44.864 which refers to what we saw with geography.

NOTE Confidence: 0.963101883333333

00:25:44.870 --> 00:25:47.660 But what has a much larger

NOTE Confidence: 0.963101883333333

00:25:47.660 --> 00:25:49.520 impact on health disparities?

NOTE Confidence: 0.963101883333333

00:25:49.520 --> 00:25:50.644 Are the extrinsic causes.

NOTE Confidence: 0.963101883333333

00:25:50.644 --> 00:25:52.049 And that's what Meryl was

NOTE Confidence: 0.963101883333333

00:25:52.049 --> 00:25:53.386 referring to and what my doctor,

NOTE Confidence: 0.963101883333333

00:25:53.390 --> 00:25:54.394 grids and Doctor Goodman

NOTE Confidence: 0.963101883333333

00:25:54.394 --> 00:25:55.649 talked about in her book.

NOTE Confidence: 0.963101883333333

00:25:55.650 --> 00:25:56.970 Racism, not race.

NOTE Confidence: 0.963101883333333

00:25:56.970 --> 00:25:57.850 So poverty,

NOTE Confidence: 0.963101883333333

00:25:57.850 --> 00:25:58.954 access to care,

NOTE Confidence: 0.963101883333333

00:25:58.954 --> 00:25:59.690 health insurance,

NOTE Confidence: 0.963101883333333

00:25:59.690 --> 00:25:59.983 stress,

NOTE Confidence: 0.963101883333333

00:25:59.983 --> 00:26:01.741 neighborhood and a lot of these

NOTE Confidence: 0.963101883333333

00:26:01.741 --> 00:26:04.142 are linked and a lot of these fall

NOTE Confidence: 0.963101883333333

00:26:04.142 --> 00:26:05.607 under the influence of individual,

NOTE Confidence: 0.963101883333333

00:26:05.610 --> 00:26:06.862 institutional and systemic racism.

NOTE Confidence: 0.963101883333333

00:26:06.862 --> 00:26:09.446 And I'd like to take a moment to

NOTE Confidence: 0.963101883333333

00:26:09.446 --> 00:26:11.066 talk about those three because

NOTE Confidence: 0.963101883333333

00:26:11.066 --> 00:26:12.700 we're beginning to talk about

NOTE Confidence: 0.963101883333333

00:26:12.700 --> 00:26:13.908 them more in medicine.

NOTE Confidence: 0.963101883333333

00:26:13.910 --> 00:26:15.520 And it's important to have the same.

NOTE Confidence: 0.963101883333333

00:26:15.520 --> 00:26:20.280 Definition so this comes from the

NOTE Confidence: 0.963101883333333

00:26:20.280 --> 00:26:21.090 website dismantlingracism.org.

NOTE Confidence: 0.963101883333333

00:26:21.090 --> 00:26:23.412 I highly recommend this and it

NOTE Confidence: 0.963101883333333

00:26:23.412 --> 00:26:25.317 talks about individual or personal,

NOTE Confidence: 0.963101883333333

00:26:25.320 --> 00:26:26.868 institutional and cultural racism.

NOTE Confidence: 0.963101883333333

00:26:26.868 --> 00:26:29.460 And I think for many of us,

NOTE Confidence: 0.963101883333333

00:26:29.460 --> 00:26:31.847 and I can speak certainly for myself,

NOTE Confidence: 0.963101883333333

00:26:31.850 --> 00:26:34.307 that prior to the murder of George

NOTE Confidence: 0.963101883333333

00:26:34.307 --> 00:26:36.549 Floyd and a significant reevaluation

NOTE Confidence: 0.963101883333333

00:26:36.549 --> 00:26:39.329 of racism in this country,

NOTE Confidence: 0.963101883333333

00:26:39.330 --> 00:26:41.412 many of us and myself included

NOTE Confidence: 0.963101883333333

00:26:41.412 --> 00:26:43.265 considered racism to be something

NOTE Confidence: 0.963101883333333

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00:26:43.265 --> 00:26:45.245 that was an individual act.

NOTE Confidence: 0.963101883333333

00:26:45.250 --> 00:26:49.170 So it was there were individual racists.

NOTE Confidence: 0.963101883333333

00:26:49.170 --> 00:26:51.564 What we now recognizes that there

NOTE Confidence: 0.963101883333333

00:26:51.564 --> 00:26:53.634 are policies and practices of

NOTE Confidence: 0.963101883333333

00:26:53.634 --> 00:26:55.659 institutions and beliefs and values

NOTE Confidence: 0.963101883333333

00:26:55.659 --> 00:26:58.219 of societies that have a tremendous.

NOTE Confidence: 0.963101883333333

00:26:58.220 --> 00:27:00.536 Impact as far as racism goes,

NOTE Confidence: 0.963101883333333

00:27:00.540 --> 00:27:02.520 so institutional racism would be

NOTE Confidence: 0.963101883333333

00:27:02.520 --> 00:27:04.500 the policies and practices of

NOTE Confidence: 0.963101883333333

00:27:04.563 --> 00:27:07.050 universities or hospitals that include

NOTE Confidence: 0.963101883333333

00:27:07.050 --> 00:27:09.720 or serve or uplift white people.

NOTE Confidence: 0.963101883333333

00:27:09.720 --> 00:27:12.060 And an example of this would

NOTE Confidence: 0.963101883333333

00:27:12.060 --> 00:27:13.620 be a phenylketonuria testing,

NOTE Confidence: 0.963101883333333

00:27:13.620 --> 00:27:15.680 which in the initial site

NOTE Confidence: 0.963101883333333

00:27:15.680 --> 00:27:16.916 for newborn screening.

NOTE Confidence: 0.963101883333333

00:27:16.920 --> 00:27:18.405 They only tested white children

NOTE Confidence: 0.963101883333333

00:27:18.405 --> 00:27:20.289 because of the belief it only

NOTE Confidence: 0.963101883333333

00:27:20.289 --> 00:27:22.390 happened in that population and then

NOTE Confidence: 0.963101883333333

00:27:22.390 --> 00:27:24.610 cultural racism would be the beliefs,

NOTE Confidence: 0.963101883333333

00:27:24.610 --> 00:27:26.685 values and norms of society

NOTE Confidence: 0.963101883333333

00:27:26.685 --> 00:27:28.345 that financially resource and.

NOTE Confidence: 0.876863297

00:27:28.350 --> 00:27:30.320 Validate and protect white people

NOTE Confidence: 0.876863297

00:27:30.320 --> 00:27:32.290 compared to people of color.

NOTE Confidence: 0.876863297

00:27:32.290 --> 00:27:33.514 So for example,

NOTE Confidence: 0.876863297

00:27:33.514 --> 00:27:35.962 our society does not believe in

NOTE Confidence: 0.876863297

00:27:35.962 --> 00:27:38.020 universal access to health care,

NOTE Confidence: 0.876863297

00:27:38.020 --> 00:27:40.054 which you know has a tremendous

NOTE Confidence: 0.876863297

00:27:40.054 --> 00:27:41.410 impact on health disparities.

NOTE Confidence: 0.876863297

00:27:41.410 --> 00:27:43.395 And then our government followed

NOTE Confidence: 0.876863297

00:27:43.395 --> 00:27:44.983 the practice of redlining,

NOTE Confidence: 0.876863297

00:27:44.990 --> 00:27:46.628 which made it more difficult for

NOTE Confidence: 0.876863297

00:27:46.628 --> 00:27:47.720 African American families to

NOTE Confidence: 0.876863297

00:27:47.770 --> 00:27:49.250 receive favorable mortgage rates.

NOTE Confidence: 0.876863297

00:27:49.250 --> 00:27:51.548 And this leads to generational poverty,

NOTE Confidence: 0.876863297

00:27:51.550 --> 00:27:54.500 which has an incredible impact

NOTE Confidence: 0.876863297

00:27:54.500 --> 00:27:56.270 on health disparities.

NOTE Confidence: 0.876863297

00:27:56.270 --> 00:27:58.559 So let's look at these extrinsic causes,

NOTE Confidence: 0.876863297

00:27:58.560 --> 00:28:00.726 and in the context of disease.

NOTE Confidence: 0.876863297

00:28:00.730 --> 00:28:03.196 So here's a quote from up to date that

NOTE Confidence: 0.876863297

00:28:03.196 --> 00:28:05.487 refers to the two studies listed below.

NOTE Confidence: 0.876863297

00:28:05.490 --> 00:28:07.776 As you're aware as physicians for

NOTE Confidence: 0.876863297

00:28:07.776 --> 00:28:10.370 women who need a hysterectomy,

NOTE Confidence: 0.876863297

00:28:10.370 --> 00:28:12.370 there are two large categories.

NOTE Confidence: 0.876863297

00:28:12.370 --> 00:28:14.795 There's an open hysterectomy which

NOTE Confidence: 0.876863297

00:28:14.795 --> 00:28:17.220 goes through the abdominal wall

NOTE Confidence: 0.876863297

00:28:17.295 --> 00:28:19.499 can have significant morbidity

NOTE Confidence: 0.876863297

00:28:19.500 --> 00:28:21.719 and takes a long time for recovery

50

NOTE Confidence: 0.876863297

00:28:21.719 --> 00:28:23.716 compared to a minimally invasive

NOTE Confidence: 0.876863297

00:28:23.716 --> 00:28:26.166 technique such as a laparoscopic,

NOTE Confidence: 0.876863297

00:28:26.170 --> 00:28:27.670 because directly or trans vaginal.

NOTE Confidence: 0.876863297

00:28:27.670 --> 00:28:30.688 Hysterectomy and these studies found that

NOTE Confidence: 0.876863297

00:28:30.690 --> 00:28:32.839 for women who are eligible for either

NOTE Confidence: 0.876863297

00:28:32.839 --> 00:28:34.830 type of hysterectomy if they were black,

NOTE Confidence: 0.876863297

00:28:34.830 --> 00:28:35.998 Hispanic or publicly insured,

NOTE Confidence: 0.876863297

00:28:35.998 --> 00:28:37.750 they were much less likely to

NOTE Confidence: 0.876863297

00:28:37.801 --> 00:28:39.229 receive this mentally invasive

NOTE Confidence: 0.876863297

00:28:39.229 --> 00:28:41.014 technique compared to white women.

NOTE Confidence: 0.876863297

00:28:41.020 --> 00:28:43.057 So you have a population that probably

NOTE Confidence: 0.876863297

00:28:43.057 --> 00:28:45.302 isn't able to take a whole lot of

NOTE Confidence: 0.876863297

00:28:45.302 --> 00:28:47.189 sick days and maybe working in a

NOTE Confidence: 0.876863297

00:28:47.189 --> 00:28:48.988 job where they have to lift heavy

NOTE Confidence: 0.876863297

00:28:48.988 --> 00:28:51.362 objects may not have child care or

NOTE Confidence: 0.876863297

00:28:51.362 --> 00:28:53.563 assistance and you're making it even

NOTE Confidence: 0.876863297

00:28:53.563 --> 00:28:55.723 more challenging for them to recover.

NOTE Confidence: 0.876863297

00:28:55.730 --> 00:28:57.248 And I would say that the

NOTE Confidence: 0.876863297

00:28:57.248 --> 00:28:58.260 factors involved in this.

NOTE Confidence: 0.876863297

00:28:58.260 --> 00:28:59.740 Would be systemic racism because

NOTE Confidence: 0.876863297

00:28:59.740 --> 00:29:01.830 of the link to public insurance,

NOTE Confidence: 0.876863297

00:29:01.830 --> 00:29:03.322 institutional racism,

NOTE Confidence: 0.876863297

00:29:03.322 --> 00:29:06.767 because the hospitals that treated

NOTE Confidence: 0.876863297

00:29:06.767 --> 00:29:08.595 these particular populations were

NOTE Confidence: 0.876863297

00:29:08.595 --> 00:29:12.063 did not have as many surgeons that

NOTE Confidence: 0.876863297

00:29:12.063 --> 00:29:14.275 perform these minimally invasive

NOTE Confidence: 0.876863297

00:29:14.275 --> 00:29:16.487 techniques and then poverty,

NOTE Confidence: 0.876863297

00:29:16.490 --> 00:29:18.582 education, access to care,

NOTE Confidence: 0.876863297

00:29:18.582 --> 00:29:21.197 health insurance were all factors.

NOTE Confidence: 0.876863297

00:29:21.200 --> 00:29:24.053 And then if we talk about the impact of

NOTE Confidence: 0.876863297

00:29:24.053 --> 00:29:27.050 high blood pressure on African Americans,

NOTE Confidence: 0.876863297

00:29:27.050 --> 00:29:29.910 I would say that all of these come to bear.

NOTE Confidence: 0.876863297

00:29:29.910 --> 00:29:32.268 There actually is no slavery gene,

NOTE Confidence: 0.876863297

00:29:32.270 --> 00:29:33.632 despite what you may have read

NOTE Confidence: 0.876863297

00:29:33.632 --> 00:29:34.540 in the popular media.

NOTE Confidence: 0.900314965

00:29:36.700 --> 00:29:38.896 So looking at all of this,

NOTE Confidence: 0.900314965

00:29:38.900 --> 00:29:41.684 this is the the full list of the

NOTE Confidence: 0.900314965

00:29:41.684 --> 00:29:43.897 diseases that I found in Robbins.

NOTE Confidence: 0.900314965

00:29:43.900 --> 00:29:45.307 One of the things that I did,

NOTE Confidence: 0.900314965

00:29:45.310 --> 00:29:46.822 and many of you have seen this as

NOTE Confidence: 0.900314965

00:29:46.822 --> 00:29:48.580 I put together a document which has

NOTE Confidence: 0.900314965

00:29:48.580 --> 00:29:50.586 about it's about 80 pages with figures

NOTE Confidence: 0.900314965

00:29:50.586 --> 00:29:52.446 and references going through each of

NOTE Confidence: 0.900314965

00:29:52.446 --> 00:29:54.195 these diseases and providing context.

NOTE Confidence: 0.900314965

00:29:54.195 --> 00:29:56.070 I'm not saying that population

NOTE Confidence: 0.900314965

00:29:56.070 --> 00:29:57.200 differences don't exist,

NOTE Confidence: 0.900314965

00:29:57.200 --> 00:29:58.768 but I'm saying we need to look at

NOTE Confidence: 0.900314965

00:29:58.768 --> 00:30:00.360 them in the appropriate context.

NOTE Confidence: 0.900314965

00:30:00.360 --> 00:30:02.495 I'm also putting together videos on a

NOTE Confidence: 0.900314965

00:30:02.495 --> 00:30:04.470 website I'll talk about in a moment,

NOTE Confidence: 0.900314965

00:30:04.470 --> 00:30:05.678 but to give you an idea of what

NOTE Confidence: 0.900314965

00:30:05.678 --> 00:30:06.430 it is that that.

NOTE Confidence: 0.900314965

00:30:06.430 --> 00:30:08.810 I'm doing let's focus on

NOTE Confidence: 0.900314965

00:30:08.810 --> 00:30:10.238 cardiac Emily ptosis.

NOTE Confidence: 0.900314965

00:30:10.240 --> 00:30:11.855 So here's the sentence from

NOTE Confidence: 0.900314965

00:30:11.855 --> 00:30:13.470 the 10th edition of Robbins,

NOTE Confidence: 0.900314965

00:30:13.470 --> 00:30:16.590 4% of African Americans have a

NOTE Confidence: 0.900314965

00:30:16.590 --> 00:30:18.150 translate mutation increasing

NOTE Confidence: 0.900314965

00:30:18.150 --> 00:30:20.589 risk of cardiac amyloidosis.

NOTE Confidence: 0.900314965

00:30:20.590 --> 00:30:23.068 So translate written transports by Roxanne

NOTE Confidence: 0.900314965

00:30:23.068 --> 00:30:26.208 and retinol in the CSF and in the blood.

NOTE Confidence: 0.900314965

00:30:26.210 --> 00:30:27.980 It's accreted as a tetramer,

NOTE Confidence: 0.900314965

00:30:27.980 --> 00:30:30.025 but can break into monomers

NOTE Confidence: 0.900314965

00:30:30.025 --> 00:30:32.070 which can misfold and aggregate

NOTE Confidence: 0.900314965

00:30:32.140 --> 00:30:34.288 aggregate into amyloid fibrils.

NOTE Confidence: 0.900314965

00:30:34.290 --> 00:30:36.395 Depositing in the heart on

NOTE Confidence: 0.900314965

00:30:36.395 --> 00:30:38.500 nerves and and other tissues.

NOTE Confidence: 0.900314965

00:30:38.500 --> 00:30:39.730 Now in 1989,

NOTE Confidence: 0.900314965

00:30:39.730 --> 00:30:42.600 a pro emulator GENIC mutation was identified

NOTE Confidence: 0.900314965

00:30:42.675 --> 00:30:45.403 in a 68 year old African American man,

NOTE Confidence: 0.900314965

00:30:45.410 --> 00:30:47.012 and since that time we've found

NOTE Confidence: 0.900314965

00:30:47.012 --> 00:30:49.166 that about 3 to 4% of African

NOTE Confidence: 0.900314965

00:30:49.166 --> 00:30:51.431 Americans have this allele compared

NOTE Confidence: 0.900314965

00:30:51.431 --> 00:30:53.650 about .4% of European Americans.

NOTE Confidence: 0.900314965

00:30:53.650 --> 00:30:55.850 It's an AutoZone will dominant

NOTE Confidence: 0.900314965

00:30:55.850 --> 00:30:57.958 mutation with variable penetrance

NOTE Confidence: 0.900314965

00:30:57.960 --> 00:30:59.860 tends to affect older men,

NOTE Confidence: 0.900314965

00:30:59.860 --> 00:31:02.527 and this is important because it can

NOTE Confidence: 0.900314965

00:31:02.527 --> 00:31:03.670 mimic hypertensive cardiomyopathy,

NOTE Confidence: 0.900314965

00:31:03.670 --> 00:31:05.505 which is also seen predominantly

NOTE Confidence: 0.900314965

00:31:05.505 --> 00:31:06.606 in that population,

NOTE Confidence: 0.900314965

00:31:06.610 --> 00:31:08.570 and death ensues two to six years.

NOTE Confidence: 0.900314965

00:31:08.570 --> 00:31:10.570 After diagnosis now based

NOTE Confidence: 0.900314965

00:31:10.570 --> 00:31:12.570 on the allele frequency,

NOTE Confidence: 0.900314965

00:31:12.570 --> 00:31:13.896 it was thought there may be

NOTE Confidence: 0.900314965

00:31:13.896 --> 00:31:15.150 some sort of founder effect,

NOTE Confidence: 0.900314965

00:31:15.150 --> 00:31:17.238 and we're lucky that the research

NOTE Confidence: 0.900314965

00:31:17.238 --> 00:31:19.461 was actually done to show the

NOTE Confidence: 0.900314965

00:31:19.461 --> 00:31:21.735 distribution of this allele in Africa.

NOTE Confidence: 0.900314965

00:31:21.740 --> 00:31:24.684 So you can see here we have the

NOTE Confidence: 0.900314965

00:31:24.684 --> 00:31:26.827 highest prevalence in Western Africa

NOTE Confidence: 0.900314965

00:31:26.827 --> 00:31:29.037 and then expansion from there,

NOTE Confidence: 0.900314965

00:31:29.040 --> 00:31:30.856 and if once more we compare this to

NOTE Confidence: 0.900314965

00:31:30.856 --> 00:31:32.735 the map of the origin of enslaved

NOTE Confidence: 0.900314965

00:31:32.735 --> 00:31:34.800 people from the history of our country,

NOTE Confidence: 0.900314965

00:31:34.800 --> 00:31:37.474 you can see why we have an

NOTE Confidence: 0.900314965

00:31:37.474 --> 00:31:39.780 increased number of these alleles.

NOTE Confidence: 0.900314965

00:31:39.780 --> 00:31:41.220 In our population.

NOTE Confidence: 0.900314965

00:31:41.220 --> 00:31:42.417 And if this were all we had,

NOTE Confidence: 0.900314965

00:31:42.420 --> 00:31:44.016 it would be an interesting story.

NOTE Confidence: 0.900314965

00:31:44.020 --> 00:31:46.180 But you know what you do with that,

NOTE Confidence: 0.900314965

00:31:46.180 --> 00:31:47.884 but it turns out there's a

NOTE Confidence: 0.900314965

00:31:47.884 --> 00:31:49.671 treatment and there's a drug that

NOTE Confidence: 0.900314965

00:31:49.671 --> 00:31:51.441 can bind to the thyroxine binding

NOTE Confidence: 0.900314965

00:31:51.441 --> 00:31:53.290 site and prevent dissociation.

NOTE Confidence: 0.900314965

00:31:53.290 --> 00:31:55.240 Now it doesn't cure the disease,

NOTE Confidence: 0.900314965

00:31:55.240 --> 00:31:56.930 it doesn't roll it back,

NOTE Confidence: 0.900314965

00:31:56.930 --> 00:31:58.660 but it does slow progression.

NOTE Confidence: 0.900314965

00:31:58.660 --> 00:32:01.124 Now one of the issues with this is

NOTE Confidence: 0.900314965

00:32:01.124 --> 00:32:03.425 that it costs about $225,000 a year,

NOTE Confidence: 0.900314965

00:32:03.425 --> 00:32:05.669 but one of the reasons for that is

NOTE Confidence: 0.900314965

00:32:05.669 --> 00:32:07.655 because it's considered an orphan drug.

NOTE Confidence: 0.900314965

00:32:07.660 --> 00:32:09.298 You know it's not used very much,

NOTE Confidence: 0.900314965

00:32:09.300 --> 00:32:11.300 so maybe if we were thinking about this.

NOTE Confidence: 0.900314965

00:32:11.300 --> 00:32:13.172 Disease we were able to identify

NOTE Confidence: 0.900314965

00:32:13.172 --> 00:32:14.713 patients who would benefit from

NOTE Confidence: 0.900314965

00:32:14.713 --> 00:32:16.379 it and we could work on policy.

NOTE Confidence: 0.900314965

00:32:16.380 --> 00:32:18.428 Would be able to be sure these patients

NOTE Confidence: 0.900314965

00:32:18.428 --> 00:32:20.617 were able to get the treatment they need.

NOTE Confidence: 0.900314965

00:32:20.620 --> 00:32:22.255 So this brings us finally

NOTE Confidence: 0.900314965

00:32:22.255 --> 00:32:23.890 to the question of our.

NOTE Confidence: 0.866649072222222

00:32:23.890 --> 00:32:26.466 Our title is race and medicine data

NOTE Confidence: 0.866649072222222

00:32:26.466 --> 00:32:28.680 or distraction and I hope by this

NOTE Confidence: 0.866649072222222

00:32:28.680 --> 00:32:30.952 point you are saying well race is

NOTE Confidence: 0.866649072222222

00:32:30.952 --> 00:32:33.154 not useful as a biological category.

NOTE Confidence: 0.866649072222222

00:32:33.160 --> 00:32:35.458 So let's think instead are disparities

NOTE Confidence: 0.866649072222222

00:32:35.458 --> 00:32:38.154 is a focus on disparities in

NOTE Confidence: 0.866649072222222

00:32:38.154 --> 00:32:40.318 medicine data or distraction.

NOTE Confidence: 0.866649072222222

00:32:40.320 --> 00:32:43.002 And I would say yes it can be both.

NOTE Confidence: 0.866649072222222

00:32:43.010 --> 00:32:43.970 So it's data.

NOTE Confidence: 0.866649072222222

00:32:43.970 --> 00:32:46.210 If we recognize a population and say

NOTE Confidence: 0.866649072222222

00:32:46.275 --> 00:32:48.675 we need to be aware of the possibility

NOTE Confidence: 0.866649072222222

00:32:48.675 --> 00:32:50.820 here and do an appropriate test.

NOTE Confidence: 0.866649072222222

00:32:50.820 --> 00:32:53.080 It's distraction if we're just

NOTE Confidence: 0.866649072222222

00:32:53.080 --> 00:32:54.436 teaching simple heuristics,

NOTE Confidence: 0.866649072222222

00:32:54.440 --> 00:32:55.358 let's think fast.

NOTE Confidence: 0.866649072222222

00:32:55.358 --> 00:32:57.500 Don't think slow and say this kid

NOTE Confidence: 0.866649072222222

00:32:57.567 --> 00:32:59.547 who keeps presenting with lung

NOTE Confidence: 0.866649072222222

00:32:59.547 --> 00:33:01.527 infections because she's of African

NOTE Confidence: 0.866649072222222

00:33:01.595 --> 00:33:03.875 descent does not have cystic fibrosis.

NOTE Confidence: 0.866649072222222

00:33:03.880 --> 00:33:07.640 So what do we do to turn these

NOTE Confidence: 0.866649072222222

00:33:07.640 --> 00:33:09.660 these disparities into data?

NOTE Confidence: 0.866649072222222

00:33:09.660 --> 00:33:11.136 So we need to be inclusive.

NOTE Confidence: 0.866649072222222

00:33:11.140 --> 00:33:12.286 We need to have a thoughtful,

NOTE Confidence: 0.866649072222222

00:33:12.290 --> 00:33:14.200 mindful analysis of material and

NOTE Confidence: 0.866649072222222

00:33:14.200 --> 00:33:16.982 it must be driven by data and

NOTE Confidence: 0.866649072222222

00:33:16.982 --> 00:33:18.570 we must provide context.

NOTE Confidence: 0.866649072222222

00:33:18.570 --> 00:33:20.240 So I begin every endeavour

NOTE Confidence: 0.866649072222222

00:33:20.240 --> 00:33:21.910 by building a team right?

NOTE Confidence: 0.866649072222222

00:33:21.910 --> 00:33:23.449 And you are all now part of my team.

NOTE Confidence: 0.866649072222222

00:33:23.450 --> 00:33:25.187 I hope to enlist you in all of the

NOTE Confidence: 0.866649072222222

00:33:25.187 --> 00:33:26.680 work that we have ahead of us.

NOTE Confidence: 0.866649072222222

00:33:26.680 --> 00:33:28.805 These are three individuals from

NOTE Confidence: 0.866649072222222

00:33:28.805 --> 00:33:31.114 Duke who began some of my early

NOTE Confidence: 0.866649072222222

00:33:31.114 --> 00:33:32.970 discussions about race and medicine.

NOTE Confidence: 0.866649072222222

00:33:32.970 --> 00:33:34.790 I'm particularly grateful to Doctor

NOTE Confidence: 0.866649072222222

00:33:34.790 --> 00:33:36.980 Royal because she introduced me to

NOTE Confidence: 0.866649072222222

00:33:36.980 --> 00:33:38.840 Doctor Graves and I'm just incredibly

NOTE Confidence: 0.866649072222222

00:33:38.840 --> 00:33:40.858 grateful to have him as a colleague.

NOTE Confidence: 0.866649072222222

00:33:40.860 --> 00:33:43.037 He's referred to the three books he's

NOTE Confidence: 0.866649072222222

00:33:43.037 --> 00:33:44.480 written, the most recent is racism,

NOTE Confidence: 0.866649072222222

00:33:44.480 --> 00:33:45.134 not race.

NOTE Confidence: 0.866649072222222

00:33:45.134 --> 00:33:47.750 I also really like the Emperor's new clothes,

NOTE Confidence: 0.866649072222222

00:33:47.750 --> 00:33:48.060 so.

NOTE Confidence: 0.866649072222222

00:33:48.060 --> 00:33:49.610 Please do check those out,

NOTE Confidence: 0.866649072222222

00:33:49.610 --> 00:33:51.171 but you have to keep building your

NOTE Confidence: 0.866649072222222

00:33:51.171 --> 00:33:52.954 team and it must continue to expand

NOTE Confidence: 0.866649072222222

00:33:52.954 --> 00:33:54.550 and that's why I'm inviting you

NOTE Confidence: 0.866649072222222

00:33:54.607 --> 00:33:56.351 to be part of my team because the

NOTE Confidence: 0.866649072222222

00:33:56.351 --> 00:33:57.680 more voices that we have in this,

NOTE Confidence: 0.866649072222222

00:33:57.680 --> 00:34:00.194 the more opportunities we have to

NOTE Confidence: 0.866649072222222

00:34:00.194 --> 00:34:02.250 recognize blind spots and areas

NOTE Confidence: 0.866649072222222

00:34:02.250 --> 00:34:03.785 that we need to fix.

NOTE Confidence: 0.866649072222222

00:34:03.790 --> 00:34:06.607 And I'm going to also put a call out.

NOTE Confidence: 0.866649072222222

00:34:06.610 --> 00:34:07.948 You have to bring the medical

NOTE Confidence: 0.866649072222222

00:34:07.948 --> 00:34:09.237 students in the residence, right?

NOTE Confidence: 0.866649072222222

00:34:09.237 --> 00:34:12.016 So this can be challenging because we

NOTE Confidence: 0.866649072222222

00:34:12.016 --> 00:34:15.536 have a very strong hierarchy in medicine.

NOTE Confidence: 0.866649072222222

00:34:15.540 --> 00:34:16.698 I'm a professor.

NOTE Confidence: 0.866649072222222

00:34:16.698 --> 00:34:19.014 I profess you can listen right,

NOTE Confidence: 0.866649072222222

00:34:19.020 --> 00:34:21.827 but as I was talking with with

NOTE Confidence: 0.866649072222222

00:34:21.827 --> 00:34:23.030 Doctor Barry Barry,

NOTE Confidence: 0.866649072222222

00:34:23.030 --> 00:34:26.120 you have to have humility and

NOTE Confidence: 0.866649072222222

00:34:26.120 --> 00:34:27.665 vulnerability and transparency

NOTE Confidence: 0.866649072222222

00:34:27.665 --> 00:34:29.328 to do this work.

NOTE Confidence: 0.866649072222222

00:34:29.330 --> 00:34:31.298 And as much as I think that I'm

NOTE Confidence: 0.866649072222222

00:34:31.298 --> 00:34:33.048 open minded and I look at things,

NOTE Confidence: 0.866649072222222

00:34:33.050 --> 00:34:34.670 I know that younger generations.

NOTE Confidence: 0.866649072222222

00:34:34.670 --> 00:34:36.224 Are much more plugged in and are

NOTE Confidence: 0.866649072222222

00:34:36.224 --> 00:34:37.631 looking at things in different ways

NOTE Confidence: 0.866649072222222

00:34:37.631 --> 00:34:39.650 and are seeing things in ways that I don't.

NOTE Confidence: 0.866649072222222

00:34:39.650 --> 00:34:41.594 So for my medical students I put up

NOTE Confidence: 0.866649072222222

00:34:41.594 --> 00:34:43.518 a Google Doc and I said would you?

NOTE Confidence: 0.866649072222222

00:34:43.520 --> 00:34:44.912 If you find a problem or re writing

NOTE Confidence: 0.866649072222222

00:34:44.912 --> 00:34:46.161 this book and you find a problem

NOTE Confidence: 0.866649072222222

00:34:46.161 --> 00:34:46.849 give me the page,

NOTE Confidence: 0.866649072222222

00:34:46.850 --> 00:34:48.488 the terminology quote and any notes.

NOTE Confidence: 0.866649072222222

00:34:48.490 --> 00:34:50.302 It's anonymous and I'll work on

NOTE Confidence: 0.866649072222222

00:34:50.302 --> 00:34:51.820 it because my students are so

NOTE Confidence: 0.866649072222222

00:34:51.820 --> 00:34:52.788 comfortable talking with me.

NOTE Confidence: 0.866649072222222

00:34:52.790 --> 00:34:53.950 They're basically just emailed me,

NOTE Confidence: 0.866649072222222

00:34:53.950 --> 00:34:55.830 which is why this this graph is is

NOTE Confidence: 0.866649072222222

00:34:55.830 --> 00:34:57.229 looking looks beautifully blank,

NOTE Confidence: 0.866649072222222

00:34:57.230 --> 00:35:00.177 but it's not because there weren't issues,

NOTE Confidence: 0.866649072222222

00:35:00.180 --> 00:35:01.722 but we have to actively engage

NOTE Confidence: 0.866649072222222

00:35:01.722 --> 00:35:02.750 and for those of

NOTE Confidence: 0.930510099411765

00:35:02.814 --> 00:35:04.676 you who are resistant to that who.

NOTE Confidence: 0.930510099411765

00:35:04.680 --> 00:35:07.248 Don't like to lean into that?

NOTE Confidence: 0.930510099411765

00:35:07.250 --> 00:35:09.545 Keep in mind that if you ask if you

NOTE Confidence: 0.930510099411765

00:35:09.545 --> 00:35:11.199 actively solicit and say look I,

NOTE Confidence: 0.930510099411765

00:35:11.200 --> 00:35:13.144 I want to know your thoughts on this,

NOTE Confidence: 0.930510099411765

00:35:13.150 --> 00:35:15.142 that that gives your your medical

NOTE Confidence: 0.930510099411765

00:35:15.142 --> 00:35:16.470 students and residents the

NOTE Confidence: 0.930510099411765

00:35:16.533 --> 00:35:18.637 opportunity to call you in to say hey,

NOTE Confidence: 0.930510099411765

00:35:18.640 --> 00:35:20.140 you know Derek, we know you're

NOTE Confidence: 0.930510099411765

00:35:20.140 --> 00:35:21.849 interested in this and we found this.

NOTE Confidence: 0.930510099411765

00:35:21.850 --> 00:35:23.490 If I don't ask for it then what

00:35:23.490 --> 00:35:25.406 I get is hey Derek, we watch this

00:35:25.406 --> 00:35:26.858 video and there's a problem right?

00:35:26.860 --> 00:35:29.992 I have said to them I with humility I.

00:35:30.000 --> 00:35:30.948 I know that there will be

00:35:30.948 --> 00:35:31.760 issues that I don't see.

00:35:31.760 --> 00:35:33.272 Please help me and that changes

00:35:33.272 --> 00:35:34.940 the dynamic and it helps us to.

00:35:34.940 --> 00:35:36.989 Actually make progress.

00:35:36.990 --> 00:35:38.566 And we have much to learn from our

00:35:38.566 --> 00:35:39.549 medical students and residents.

00:35:39.550 --> 00:35:41.810 This is a young man who is a medical student,

00:35:41.810 --> 00:35:43.550 United Kingdom who noticed that

00:35:43.550 --> 00:35:45.915 all of these skin lesions he was

00:35:45.915 --> 00:35:47.607 looking at were in white skin,

00:35:47.610 --> 00:35:49.344 which was not particularly helpful for

00:35:49.344 --> 00:35:51.407 him or the demographic he hoped to serve.

NOTE Confidence: 0.930510099411765

00:35:51.410 --> 00:35:53.657 So he began this resource with some

NOTE Confidence: 0.930510099411765

00:35:53.657 --> 00:35:55.780 of his faculty at Saint Georges,

NOTE Confidence: 0.930510099411765

00:35:55.780 --> 00:35:57.844 which I think many of us are now

NOTE Confidence: 0.930510099411765

00:35:57.844 --> 00:35:59.878 referring to because it's very hard to

NOTE Confidence: 0.930510099411765

00:35:59.878 --> 00:36:02.260 find images of lesions in pigmented skin,

NOTE Confidence: 0.930510099411765

00:36:02.260 --> 00:36:05.326 though we're fixing that in Robbins.

NOTE Confidence: 0.930510099411765

00:36:05.330 --> 00:36:07.080 And we're also fixing that at Duke,

NOTE Confidence: 0.930510099411765

00:36:07.080 --> 00:36:09.344 so at Dupli teaches in website and about

NOTE Confidence: 0.930510099411765

00:36:09.344 --> 00:36:11.784 five to six years ago I removed race

NOTE Confidence: 0.930510099411765

00:36:11.784 --> 00:36:14.059 and ethnicity from all of our vignettes,

NOTE Confidence: 0.930510099411765

00:36:14.060 --> 00:36:14.693 but you know,

NOTE Confidence: 0.930510099411765

00:36:14.693 --> 00:36:16.170 we still have clinical images and you

NOTE Confidence: 0.930510099411765

00:36:16.215 --> 00:36:17.601 don't really need someone to tell you

NOTE Confidence: 0.930510099411765

00:36:17.601 --> 00:36:19.529 this is an individual of European descent.

NOTE Confidence: 0.930510099411765

00:36:19.530 --> 00:36:22.320 You can look at what is commonly called a

66

NOTE Confidence: 0.930510099411765

00:36:22.320 --> 00:36:25.149 pearly papule in this lightly pigmented skin,

NOTE Confidence: 0.930510099411765

00:36:25.150 --> 00:36:26.755 and recognize that this is

NOTE Confidence: 0.930510099411765

00:36:26.755 --> 00:36:28.039 a basal cell carcinoma.

NOTE Confidence: 0.930510099411765

00:36:28.040 --> 00:36:30.281 But we now do to make this even more

NOTE Confidence: 0.930510099411765

00:36:30.281 --> 00:36:32.250 inclusive is that we show images of the

NOTE Confidence: 0.930510099411765

00:36:32.250 --> 00:36:34.210 same lesion in different skin colors,

NOTE Confidence: 0.930510099411765

00:36:34.210 --> 00:36:36.667 so we aren't associating one in particular.

NOTE Confidence: 0.930510099411765

00:36:36.670 --> 00:36:37.297 Patient would say,

NOTE Confidence: 0.930510099411765

00:36:37.297 --> 00:36:39.230 and this is what the lesion can look like,

NOTE Confidence: 0.930510099411765

00:36:39.230 --> 00:36:41.312 and this is particularly important in

NOTE Confidence: 0.930510099411765

00:36:41.312 --> 00:36:43.660 this case because it emphasizes that

NOTE Confidence: 0.930510099411765

00:36:43.660 --> 00:36:46.145 you know basal cell carcinoma may mimic

NOTE Confidence: 0.930510099411765

00:36:46.145 --> 00:36:48.348 a Melanoma in darker skin, right?

NOTE Confidence: 0.930510099411765

00:36:48.348 --> 00:36:50.154 So we need students to be able

NOTE Confidence: 0.930510099411765

00:36:50.154 --> 00:36:50.990 to recognize this,

NOTE Confidence: 0.930510099411765

00:36:50.990 --> 00:36:52.742 but it also reminds us that

NOTE Confidence: 0.930510099411765

00:36:52.742 --> 00:36:54.350 the text that we're using,

NOTE Confidence: 0.930510099411765

00:36:54.350 --> 00:36:56.636 the terminology pearly papule is not

NOTE Confidence: 0.930510099411765

00:36:56.636 --> 00:36:59.387 something that you see in all skin types,

NOTE Confidence: 0.930510099411765

00:36:59.390 --> 00:37:02.027 and we found this in an evaluation of a

NOTE Confidence: 0.930510099411765

00:37:02.027 --> 00:37:04.406 pediatric textbook for a paper that's

NOTE Confidence: 0.930510099411765

00:37:04.406 --> 00:37:06.026 impressed with academic medicine,

NOTE Confidence: 0.930510099411765

00:37:06.030 --> 00:37:07.326 in which.

NOTE Confidence: 0.930510099411765

00:37:07.326 --> 00:37:10.566 Acrocyanosis was described as the

NOTE Confidence: 0.930510099411765

00:37:10.570 --> 00:37:13.920 typically pink skin becomes bluish.

NOTE Confidence: 0.930510099411765

00:37:13.920 --> 00:37:14.613 It's like, well,

NOTE Confidence: 0.930510099411765

00:37:14.613 --> 00:37:16.303 not all babies have pink skin, right?

NOTE Confidence: 0.930510099411765

00:37:16.303 --> 00:37:17.818 So there is this subtle,

NOTE Confidence: 0.930510099411765

00:37:17.820 --> 00:37:20.178 but maybe not so subtle reinforcement

NOTE Confidence: 0.930510099411765

00:37:20.178 --> 00:37:22.190 through the literature that what's

NOTE Confidence: 0.930510099411765

00:37:22.190 --> 00:37:24.470 important is white people white skin.

NOTE Confidence: 0.930510099411765

00:37:24.470 --> 00:37:27.368 So we need to be inclusive.

NOTE Confidence: 0.930510099411765

00:37:27.370 --> 00:37:29.410 Now I'm really interested in data,

NOTE Confidence: 0.930510099411765

00:37:29.410 --> 00:37:29.713 right?

NOTE Confidence: 0.930510099411765

00:37:29.713 --> 00:37:32.137 This is because emotions can get into it

NOTE Confidence: 0.930510099411765

00:37:32.137 --> 00:37:34.766 and I just want to know what is the truth,

NOTE Confidence: 0.930510099411765

00:37:34.770 --> 00:37:35.070 what?

NOTE Confidence: 0.930510099411765

00:37:35.070 --> 00:37:36.570 What is the best approximation

NOTE Confidence: 0.930510099411765

00:37:36.570 --> 00:37:37.770 to the truth that

NOTE Confidence: 0.927796623529412

00:37:37.834 --> 00:37:39.444 I can find which can be hard?

NOTE Confidence: 0.927796623529412

00:37:39.450 --> 00:37:41.596 So this is a sentence from, UM,

NOTE Confidence: 0.927796623529412

00:37:41.596 --> 00:37:43.376 the 10th edition of Robbins,

NOTE Confidence: 0.927796623529412

00:37:43.380 --> 00:37:45.460 and I reached out to the author of

NOTE Confidence: 0.927796623529412

00:37:45.460 --> 00:37:47.020 that chapter, and I said, you know,

NOTE Confidence: 0.927796623529412

00:37:47.020 --> 00:37:49.036 I think we need to remove this word about,

NOTE Confidence: 0.927796623529412

00:37:49.040 --> 00:37:50.580 particularly those of African descent.

NOTE Confidence: 0.927796623529412

00:37:50.580 --> 00:37:52.020 This link, with keloid

NOTE Confidence: 0.927796623529412

00:37:52.020 --> 00:37:53.460 formation and his response,

NOTE Confidence: 0.927796623529412

00:37:53.460 --> 00:37:56.710 was this is what it says in up to date.

NOTE Confidence: 0.927796623529412

00:37:56.710 --> 00:37:59.918 Yeah, 5 to 16% of individuals of Hispanic

NOTE Confidence: 0.927796623529412

00:37:59.918 --> 00:38:02.458 and African ancestry have keloids,

NOTE Confidence: 0.927796623529412

00:38:02.460 --> 00:38:03.940 and because of the disparities

NOTE Confidence: 0.927796623529412

00:38:03.940 --> 00:38:05.124 document that I mentioned,

NOTE Confidence: 0.927796623529412

00:38:05.130 --> 00:38:07.425 I actually had read up to date as well

NOTE Confidence: 0.927796623529412

00:38:07.425 --> 00:38:09.544 as reference five as well as another

NOTE Confidence: 0.927796623529412

00:38:09.544 --> 00:38:11.929 30 or 40 other papers on keloids.

NOTE Confidence: 0.927796623529412

00:38:11.930 --> 00:38:14.906 And in addition to this 5 to 16%,

NOTE Confidence: 0.927796623529412

00:38:14.910 --> 00:38:17.448 it refers to this 15 times higher in dark

NOTE Confidence: 0.927796623529412

00:38:17.448 --> 00:38:19.700 skinned individuals compared with whites.

NOTE Confidence: 0.927796623529412

00:38:19.700 --> 00:38:22.499 Now 15 times higher is is a big number.

NOTE Confidence: 0.927796623529412

00:38:22.500 --> 00:38:24.278 It still may not be clinically significant,

NOTE Confidence: 0.927796623529412

00:38:24.280 --> 00:38:25.834 and that's a discussion we can have

NOTE Confidence: 0.927796623529412

00:38:25.834 --> 00:38:27.210 with the residents or the question.

NOTE Confidence: 0.927796623529412

00:38:27.210 --> 00:38:27.770 An answer,

NOTE Confidence: 0.927796623529412

00:38:27.770 --> 00:38:30.010 but 15 times is pretty is a pretty

NOTE Confidence: 0.927796623529412

00:38:30.077 --> 00:38:32.170 big number and it stuck in my

NOTE Confidence: 0.927796623529412

00:38:32.170 --> 00:38:33.786 mind in particular because I've

NOTE Confidence: 0.927796623529412

00:38:33.786 --> 00:38:35.748 seen it in four other papers.

NOTE Confidence: 0.927796623529412

00:38:35.750 --> 00:38:37.304 Now the first paper in which it

NOTE Confidence: 0.927796623529412

00:38:37.304 --> 00:38:38.678 appears is this one by preset,

NOTE Confidence: 0.927796623529412

00:38:38.680 --> 00:38:41.046 and this is what Brissett says in

NOTE Confidence: 0.927796623529412

00:38:41.050 --> 00:38:44.184 2001 that in a review of 175 cases

NOTE Confidence: 0.927796623529412

00:38:44.184 --> 00:38:45.869 of keloids from various races,

NOTE Confidence: 0.927796623529412

00:38:45.870 --> 00:38:47.450 the authors found that keloids

NOTE Confidence: 0.927796623529412

00:38:47.450 --> 00:38:49.828 were 15 times more likely to occur

NOTE Confidence: 0.927796623529412

00:38:49.828 --> 00:38:51.296 in darker skinned individuals.

NOTE Confidence: 0.927796623529412

00:38:51.300 --> 00:38:53.757 So I went and got that paper by audience

NOTE Confidence: 0.927796623529412

00:38:53.757 --> 00:38:56.488 of anesthesia and this is what they say.

NOTE Confidence: 0.927796623529412

00:38:56.490 --> 00:38:57.396 It was a paper that was.

NOTE Confidence: 0.927796623529412

00:38:57.400 --> 00:38:59.381 Done in Malaysia and they say the

NOTE Confidence: 0.927796623529412

00:38:59.381 --> 00:39:00.831 relatively fair skinned Chinese appear

NOTE Confidence: 0.927796623529412

00:39:00.831 --> 00:39:03.015 to be slightly more prone to keloids and

NOTE Confidence: 0.927796623529412

00:39:03.070 --> 00:39:05.265 the dark skinned Indians and malaise so.

NOTE Confidence: 0.927796623529412

00:39:05.265 --> 00:39:09.520 The number I come up with is 2.4 to 3.3 fold,

NOTE Confidence: 0.927796623529412

00:39:09.520 --> 00:39:11.960 so the number is wrong and arrows pointing

NOTE Confidence: 0.927796623529412

00:39:12.025 --> 00:39:14.573 the wrong way and this information is

NOTE Confidence: 0.927796623529412

00:39:14.573 --> 00:39:16.610 being propagated through the literature.

NOTE Confidence: 0.927796623529412

00:39:16.610 --> 00:39:18.038 So after I gave all of that

NOTE Confidence: 0.927796623529412

00:39:18.038 --> 00:39:19.010 information to the author,

NOTE Confidence: 0.927796623529412

00:39:19.010 --> 00:39:20.487 this is what we came up with.

NOTE Confidence: 0.927796623529412

00:39:20.490 --> 00:39:22.566 Q information seems to be an

NOTE Confidence: 0.927796623529412

00:39:22.566 --> 00:39:23.258 individual predisposition.

NOTE Confidence: 0.927796623529412

00:39:23.260 --> 00:39:25.244 Now you may say we could have gotten

NOTE Confidence: 0.927796623529412

00:39:25.244 --> 00:39:27.275 there a lot faster if we just

NOTE Confidence: 0.927796623529412

00:39:27.275 --> 00:39:29.119 removed African descent and we just

NOTE Confidence: 0.927796623529412

00:39:29.119 --> 00:39:31.015 remove all of the ethnicities and

NOTE Confidence: 0.927796623529412

00:39:31.015 --> 00:39:32.694 races from Robins without thinking.

NOTE Confidence: 0.927796623529412

00:39:32.694 --> 00:39:35.215 But the truth of that, and I think,

NOTE Confidence: 0.927796623529412

00:39:35.215 --> 00:39:36.625 actually there's a basis for that

NOTE Confidence: 0.927796623529412

00:39:36.625 --> 00:39:37.949 because of population admixture,

NOTE Confidence: 0.927796623529412

00:39:37.950 --> 00:39:40.128 because the data are very muddy.

NOTE Confidence: 0.927796623529412

00:39:40.130 --> 00:39:41.730 If you look at it.

NOTE Confidence: 0.927796623529412

00:39:41.730 --> 00:39:44.040 How are races assigned, etc.

NOTE Confidence: 0.927796623529412

00:39:44.040 --> 00:39:45.930 You could say that that a lot of the

NOTE Confidence: 0.927796623529412

00:39:45.930 --> 00:39:48.106 data are not useful, so we'll remove it.

NOTE Confidence: 0.927796623529412

00:39:48.106 --> 00:39:50.330 But then you risk people saying you're

NOTE Confidence: 0.927796623529412

00:39:50.330 --> 00:39:51.960 being politically correct, right?

NOTE Confidence: 0.927796623529412

00:39:51.960 --> 00:39:53.460 I want to be scientifically correct,

NOTE Confidence: 0.927796623529412

00:39:53.460 --> 00:39:55.310 and so I have to find the data to show

NOTE Confidence: 0.927796623529412

00:39:55.368 --> 00:39:57.128 you on being scientifically correct,

NOTE Confidence: 0.927796623529412

00:39:57.130 --> 00:39:58.750 because otherwise will get pushed back.

NOTE Confidence: 0.927796623529412

00:39:58.750 --> 00:40:00.916 So we have to move forward

NOTE Confidence: 0.927796623529412

00:40:00.916 --> 00:40:02.360 in an intentional way.

NOTE Confidence: 0.927796623529412

00:40:02.360 --> 00:40:04.024 So now we can say keloid formation seems

NOTE Confidence: 0.927796623529412

00:40:04.024 --> 00:40:05.798 to be an individual predisposition,

NOTE Confidence: 0.927796623529412

00:40:05.800 --> 00:40:06.171 right?

NOTE Confidence: 0.927796623529412

00:40:06.171 --> 00:40:08.397 But let's get again to the

NOTE Confidence: 0.927796623529412

00:40:08.397 --> 00:40:09.510 clinical significance of

NOTE Confidence: 0.953690493636364

00:40:09.580 --> 00:40:11.505 this, right? So if someone is

NOTE Confidence: 0.953690493636364

00:40:11.505 --> 00:40:13.600 going to be key loader genic,

NOTE Confidence: 0.953690493636364

00:40:13.600 --> 00:40:14.998 they have a tendency towards that,

NOTE Confidence: 0.953690493636364

00:40:15.000 --> 00:40:17.080 and they're coming into you as a clinician,

NOTE Confidence: 0.953690493636364

00:40:17.080 --> 00:40:18.832 right? You can, you don't need to look

NOTE Confidence: 0.953690493636364

00:40:18.832 --> 00:40:20.638 at the color of that patient skin.

74

NOTE Confidence: 0.953690493636364

00:40:20.640 --> 00:40:22.332 You can look at that patients

NOTE Confidence: 0.953690493636364

00:40:22.332 --> 00:40:23.231 actual skin, right?

NOTE Confidence: 0.953690493636364

00:40:23.231 --> 00:40:26.580 Because we all fall over or get one or two.

NOTE Confidence: 0.953690493636364

00:40:26.580 --> 00:40:28.920 Or multiple piercings have scrapes,

NOTE Confidence: 0.953690493636364

00:40:28.920 --> 00:40:29.871 incisions, previous surgeries,

NOTE Confidence: 0.953690493636364

00:40:29.871 --> 00:40:32.090 and if we're going to get keloids,

NOTE Confidence: 0.953690493636364

00:40:32.090 --> 00:40:33.230 we're going to show a keloid.

NOTE Confidence: 0.953690493636364

00:40:33.230 --> 00:40:35.378 So look at that patient skin.

NOTE Confidence: 0.953690493636364

00:40:35.380 --> 00:40:37.924 Now kilo is gonna have a familial tendency,

NOTE Confidence: 0.953690493636364

00:40:37.930 --> 00:40:39.554 and so maybe we're looking at a young

NOTE Confidence: 0.953690493636364

00:40:39.554 --> 00:40:41.325 child so you get a good family history.

NOTE Confidence: 0.953690493636364

00:40:41.330 --> 00:40:42.595 Do your brothers and sisters

NOTE Confidence: 0.953690493636364

00:40:42.595 --> 00:40:43.607 have keloids your cousins,

NOTE Confidence: 0.953690493636364

00:40:43.610 --> 00:40:44.530 your parents, your aunts,

NOTE Confidence: 0.953690493636364

00:40:44.530 --> 00:40:45.878 your uncles, your grandparents,

NOTE Confidence: 0.953690493636364

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00:40:45.878 --> 00:40:47.210 and that family?

NOTE Confidence: 0.953690493636364

00:40:47.210 --> 00:40:50.034 History is going to tell you more about

NOTE Confidence: 0.953690493636364

00:40:50.034 --> 00:40:52.028 that individual's genetic predispositions

NOTE Confidence: 0.953690493636364

00:40:52.028 --> 00:40:55.304 for disease then some big category,

NOTE Confidence: 0.953690493636364

00:40:55.310 --> 00:40:56.894 like socially defined race.

NOTE Confidence: 0.953690493636364

00:40:56.894 --> 00:40:59.270 And it's not just for keloids.

NOTE Confidence: 0.953690493636364

00:40:59.270 --> 00:41:00.726 In fact, it's for much more than that,

NOTE Confidence: 0.953690493636364

00:41:00.730 --> 00:41:03.234 because I can ask to find out what?

NOTE Confidence: 0.953690493636364

00:41:03.240 --> 00:41:05.322 Which diseases are running in a

NOTE Confidence: 0.953690493636364

00:41:05.322 --> 00:41:07.549 family and that will also bring

NOTE Confidence: 0.953690493636364

00:41:07.549 --> 00:41:09.459 in not just genetic ancestry,

NOTE Confidence: 0.953690493636364

00:41:09.460 --> 00:41:11.428 but can bring in cultural practices.

NOTE Confidence: 0.953690493636364

00:41:11.430 --> 00:41:13.098 Is there a food, a drink,

NOTE Confidence: 0.953690493636364

00:41:13.100 --> 00:41:13.734 and activity,

NOTE Confidence: 0.953690493636364

00:41:13.734 --> 00:41:16.270 a folk medicine that you use that might

NOTE Confidence: 0.953690493636364

00:41:16.331 --> 00:41:18.550 give me an insight into why you're

76

00:41:18.550 --> 00:41:20.460 presenting in this particular way?

00:41:20.460 --> 00:41:21.548 Now? The keloid story.

00:41:21.548 --> 00:41:23.960 I'm a I'm a soft tissue pathologist.

00:41:23.960 --> 00:41:25.450 By training and keloids for

00:41:25.450 --> 00:41:27.559 me or something that was not

00:41:27.559 --> 00:41:28.669 tremendously interesting,

00:41:28.670 --> 00:41:29.540 but believe it or not,

00:41:29.540 --> 00:41:32.004 I have a 20 minute video on looking

00:41:32.004 --> 00:41:33.510 at the scientific.

00:41:33.510 --> 00:41:36.140 Literature of keloids and where

00:41:36.140 --> 00:41:38.244 these statistics come from.

00:41:38.250 --> 00:41:40.346 It is an exercise in looking at systemic

00:41:40.346 --> 00:41:42.288 racism in the scientific literature.

00:41:42.290 --> 00:41:44.146 I go all the way back to 1931

00:41:44.146 --> 00:41:45.490 to the French literature.

00:41:45.490 --> 00:41:47.320 I personally find it very entertaining.

NOTE Confidence: 0.953690493636364

00:41:47.320 --> 00:41:49.448 I hope you will check it out.

NOTE Confidence: 0.953690493636364

00:41:49.450 --> 00:41:51.160 You can find it on my

NOTE Confidence: 0.953690493636364

00:41:51.160 --> 00:41:51.973 website pathologycentral.org,

NOTE Confidence: 0.953690493636364

00:41:51.973 --> 00:41:56.157 and there's a direct link there as well.

NOTE Confidence: 0.953690493636364

00:41:56.160 --> 00:41:57.930 Alright, so finally the other issue.

NOTE Confidence: 0.953690493636364

00:41:57.930 --> 00:41:59.235 We want to do is we want to be

NOTE Confidence: 0.953690493636364

00:41:59.235 --> 00:42:00.453 sure we're using appropriate

NOTE Confidence: 0.953690493636364

00:42:00.453 --> 00:42:01.825 terminology and providing context,

NOTE Confidence: 0.953690493636364

00:42:01.830 --> 00:42:02.770 and I talked about some

NOTE Confidence: 0.953690493636364

00:42:02.770 --> 00:42:03.710 of this with Doctor Camp.

NOTE Confidence: 0.953690493636364

00:42:03.710 --> 00:42:04.228 It's it.

NOTE Confidence: 0.953690493636364

00:42:04.228 --> 00:42:06.300 We don't want to just throw things out.

NOTE Confidence: 0.953690493636364

00:42:06.300 --> 00:42:07.908 There are things that we need

NOTE Confidence: 0.953690493636364

00:42:07.908 --> 00:42:09.170 to bring people's attention to,

NOTE Confidence: 0.953690493636364

00:42:09.170 --> 00:42:10.843 but we have to provide the context

NOTE Confidence: 0.953690493636364

00:42:10.843 --> 00:42:12.305 because otherwise we don't know what

NOTE Confidence: 0.953690493636364

00:42:12.305 --> 00:42:13.697 people are going to be thinking.

NOTE Confidence: 0.953690493636364

00:42:13.700 --> 00:42:15.653 So here we have a sentence from

NOTE Confidence: 0.953690493636364

00:42:15.653 --> 00:42:17.169 Robbins basic pathology about whites

NOTE Confidence: 0.953690493636364

00:42:17.169 --> 00:42:18.729 with Factor 5 Leiden mutation.

NOTE Confidence: 0.953690493636364

00:42:18.730 --> 00:42:19.007 OK,

NOTE Confidence: 0.953690493636364

00:42:19.007 --> 00:42:20.946 well we know this is genetic and

NOTE Confidence: 0.953690493636364

00:42:20.946 --> 00:42:23.630 so we don't want to be using whites

NOTE Confidence: 0.953690493636364

00:42:23.630 --> 00:42:25.470 because if we're using whites

NOTE Confidence: 0.953690493636364

00:42:25.470 --> 00:42:26.658 that really sets.

NOTE Confidence: 0.953690493636364

00:42:26.660 --> 00:42:27.440 It's up to say, well,

NOTE Confidence: 0.953690493636364

00:42:27.440 --> 00:42:28.490 why aren't you using Browns,

NOTE Confidence: 0.953690493636364

00:42:28.490 --> 00:42:28.745 yellows,

NOTE Confidence: 0.953690493636364

00:42:28.745 --> 00:42:30.275 blacks and Reds and we just

NOTE Confidence: 0.953690493636364

00:42:30.275 --> 00:42:31.500 don't want to do that,

NOTE Confidence: 0.953690493636364

00:42:31.500 --> 00:42:32.690 and we know it's genetics.

NOTE Confidence: 0.953690493636364

00:42:32.690 --> 00:42:35.175 We want to emphasize this European ancestry,

NOTE Confidence: 0.953690493636364

00:42:35.180 --> 00:42:37.070 but we want to be mindful here because we

NOTE Confidence: 0.953690493636364

00:42:37.070 --> 00:42:38.897 don't want to just make that association.

NOTE Confidence: 0.953690493636364

00:42:38.900 --> 00:42:39.830 You know kids.

NOTE Confidence: 0.953690493636364

00:42:39.830 --> 00:42:41.690 When they rip says European ancestry,

NOTE Confidence: 0.89730312

00:42:41.690 --> 00:42:43.541 she really means white. We want to say, OK,

NOTE Confidence: 0.89730312

00:42:43.541 --> 00:42:45.647 it seemed typically in European ancestry,

NOTE Confidence: 0.89730312

00:42:45.650 --> 00:42:47.864 but because of population admixture it

NOTE Confidence: 0.89730312

00:42:47.864 --> 00:42:50.949 can be seen in other American groups.

NOTE Confidence: 0.89730312

00:42:50.950 --> 00:42:52.308 Now, part of our goal in this

NOTE Confidence: 0.89730312

00:42:52.308 --> 00:42:54.087 and I know that we've gotten some

NOTE Confidence: 0.89730312

00:42:54.087 --> 00:42:55.803 questions from people when they say,

NOTE Confidence: 0.89730312

00:42:55.810 --> 00:42:57.660 well, you know, we're looking,

NOTE Confidence: 0.89730312

00:42:57.660 --> 00:42:58.968 you're looking for zebras.

NOTE Confidence: 0.89730312

00:42:58.968 --> 00:43:00.603 If if every African American

NOTE Confidence: 0.89730312

00:43:00.603 --> 00:43:02.328 child who presents with a cold,

NOTE Confidence: 0.89730312

00:43:02.330 --> 00:43:03.770 you start thinking cystic fibrosis,

NOTE Confidence: 0.89730312

00:43:03.770 --> 00:43:05.513 that's not going to be a useful

NOTE Confidence: 0.89730312

00:43:05.513 --> 00:43:07.230 way to think about resources.

NOTE Confidence: 0.89730312

00:43:07.230 --> 00:43:08.946 And I understand that.

NOTE Confidence: 0.89730312

00:43:08.946 --> 00:43:11.520 But the issue will be that.

NOTE Confidence: 0.89730312

00:43:11.520 --> 00:43:13.844 The sixth time, the third time that

NOTE Confidence: 0.89730312

00:43:13.844 --> 00:43:15.690 child presents with the symptoms.

NOTE Confidence: 0.89730312

00:43:15.690 --> 00:43:16.470 Think about it.

NOTE Confidence: 0.89730312

00:43:16.470 --> 00:43:18.030 You know maybe it is cystic

NOTE Confidence: 0.89730312

00:43:18.030 --> 00:43:19.039 fibrosis in that child,

NOTE Confidence: 0.89730312

00:43:19.040 --> 00:43:20.984 and when we're talking about Factor 5 Leiden,

NOTE Confidence: 0.89730312

00:43:20.990 --> 00:43:22.946 it's important as it particularly important

NOTE Confidence: 0.89730312

00:43:22.946 --> 00:43:24.780 to think about population admixture,

NOTE Confidence: 0.89730312

00:43:24.780 --> 00:43:26.180 because factor 5 Leiden,

NOTE Confidence: 0.89730312

00:43:26.180 --> 00:43:27.230 as you know,

NOTE Confidence: 0.89730312

00:43:27.230 --> 00:43:29.840 can have thrombophilia in the

NOTE Confidence: 0.89730312

00:43:29.840 --> 00:43:30.884 heterozygous state.

NOTE Confidence: 0.89730312

00:43:30.890 --> 00:43:33.025 So someone may look to you through

NOTE Confidence: 0.89730312

00:43:33.025 --> 00:43:34.851 your racialized glasses as this is

NOTE Confidence: 0.89730312

00:43:34.851 --> 00:43:36.555 an African American based on the

NOTE Confidence: 0.89730312

00:43:36.555 --> 00:43:38.001 population admixture data we showed

NOTE Confidence: 0.89730312

00:43:38.001 --> 00:43:39.900 you they could be 50% European

NOTE Confidence: 0.89730312

00:43:39.900 --> 00:43:41.875 ancestry and they could have.

NOTE Confidence: 0.89730312

00:43:41.880 --> 00:43:44.376 They could be homozygous or even

NOTE Confidence: 0.89730312

00:43:44.376 --> 00:43:46.610 heterozygotes for factor 5 Leiden.

NOTE Confidence: 0.89730312

00:43:46.610 --> 00:43:48.580 These are our references and

NOTE Confidence: 0.89730312

00:43:48.580 --> 00:43:51.391 I'd like to just finish with a

NOTE Confidence: 0.89730312

00:43:51.391 --> 00:43:53.286 couple of resources for you.

NOTE Confidence: 0.89730312

00:43:53.290 --> 00:43:54.890 This cartoon on the right.

NOTE Confidence: 0.89730312

00:43:54.890 --> 00:43:55.834 Please take a screenshot,

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NOTE Confidence: 0.89730312

00:43:55.834 --> 00:43:57.440 take a take time to look at.

NOTE Confidence: 0.89730312

00:43:57.440 --> 00:43:59.215 It comes from a cardiology

NOTE Confidence: 0.89730312

00:43:59.215 --> 00:44:00.990 fellow at University of Chicago,

NOTE Confidence: 0.89730312

00:44:00.990 --> 00:44:02.874 a Shirley Noble.

NOTE Confidence: 0.89730312

00:44:02.874 --> 00:44:06.014 Be her drawings really communicate

NOTE Confidence: 0.89730312

00:44:06.014 --> 00:44:07.270 very concisely.

NOTE Confidence: 0.89730312

00:44:07.270 --> 00:44:09.808 A lot of the issues that doctor Graves and

NOTE Confidence: 0.89730312

00:44:09.808 --> 00:44:12.669 I have talked about in race and medicine,

NOTE Confidence: 0.89730312

00:44:12.670 --> 00:44:14.560 and that doctor Graves has

NOTE Confidence: 0.89730312

00:44:14.560 --> 00:44:16.072 written about for decades.

NOTE Confidence: 0.89730312

00:44:16.080 --> 00:44:19.288 My you can find me on Twitter here.

NOTE Confidence: 0.89730312

00:44:19.290 --> 00:44:22.055 This is my my website which has

NOTE Confidence: 0.89730312

00:44:22.055 --> 00:44:24.967 videos for you to watch and enjoy.

NOTE Confidence: 0.89730312

00:44:24.970 --> 00:44:27.426 Doctor Graves's contact information.

NOTE Confidence: 0.89730312

00:44:27.426 --> 00:44:30.496 I also recommend diversifying path.

NOTE Confidence: 0.89730312

00:44:30.500 --> 00:44:32.864 This is his Twitter handle on

NOTE Confidence: 0.89730312

00:44:32.864 --> 00:44:35.178 Michael Williams from UAB and he

NOTE Confidence: 0.89730312

00:44:35.178 --> 00:44:37.488 has a podcast in which actually I'm

NOTE Confidence: 0.89730312

00:44:37.488 --> 00:44:40.081 I'm in this week's episode and then

NOTE Confidence: 0.89730312

00:44:40.081 --> 00:44:41.956 this is the contact information

NOTE Confidence: 0.89730312

00:44:41.956 --> 00:44:44.826 if you want to follow Doctor OB,

NOTE Confidence: 0.89730312

00:44:44.826 --> 00:44:46.916 she has just really fantastic.

NOTE Confidence: 0.89730312

00:44:46.920 --> 00:44:48.700 Insights that she writes about.

NOTE Confidence: 0.89730312

00:44:48.700 --> 00:44:50.460 In addition to her cartoons,

NOTE Confidence: 0.89730312

00:44:50.460 --> 00:44:51.834 and with that,

NOTE Confidence: 0.89730312

00:44:51.834 --> 00:44:55.040 I'll stop sharing and take any questions.

NOTE Confidence: 0.89730312

00:44:55.040 --> 00:44:57.086 And my apologies for the the

NOTE Confidence: 0.89730312

00:44:57.086 --> 00:44:57.768 small disturbance.

NOTE Confidence: 0.89730312

00:44:57.770 --> 00:44:59.903 We have a small flock of ducks and we

NOTE Confidence: 0.89730312

00:44:59.903 --> 00:45:01.608 have Hawks that occasionally go after

NOTE Confidence: 0.89730312

00:45:01.608 --> 00:45:04.318 them and as I was in mid speech I heard.

NOTE Confidence: 0.89730312

00:45:04.320 --> 00:45:05.127 A disaster outside,

NOTE Confidence: 0.89730312

00:45:05.127 --> 00:45:07.010 but my husband will deal with that.

NOTE Confidence: 0.89730312

00:45:07.010 --> 00:45:09.840 So thank you very much.

NOTE Confidence: 0.89730312

00:45:09.840 --> 00:45:10.160 Thank

NOTE Confidence: 0.838554250625

00:45:10.170 --> 00:45:12.802 you so much Doctor De Rock and Doctor

NOTE Confidence: 0.838554250625

00:45:12.802 --> 00:45:15.815 Graves for this excellent discussion and

NOTE Confidence: 0.838554250625

00:45:15.815 --> 00:45:20.220 really comprehensive overview for us.

NOTE Confidence: 0.838554250625

00:45:20.220 --> 00:45:23.657 I'm seeing that. Let's see Rob Homer.

NOTE Confidence: 0.838554250625

00:45:23.660 --> 00:45:26.476 Doctor Robert Homer has a comment in the

NOTE Confidence: 0.838554250625

00:45:26.476 --> 00:45:29.281 chat that Robbins Atlas of Pathology has

NOTE Confidence: 0.838554250625

00:45:29.281 --> 00:45:32.248 only light skin in its German chapter,

NOTE Confidence: 0.838554250625

00:45:32.248 --> 00:45:35.270 so I guess bringing attention to that

NOTE Confidence: 0.838554250625

00:45:35.270 --> 00:45:38.138 as an opportunity for more inclusive

NOTE Confidence: 0.838554250625

00:45:38.140 --> 00:45:40.350 images in our pathology world.

NOTE Confidence: 0.941033282857143

00:45:41.950 --> 00:45:43.644 I I can I can address that.

NOTE Confidence: 0.941033282857143

00:45:43.650 --> 00:45:46.350 I actually knew about that and

NOTE Confidence: 0.941033282857143

00:45:46.350 --> 00:45:48.651 began frantically waving to the

NOTE Confidence: 0.941033282857143

00:45:48.651 --> 00:45:51.177 authors of that the they actually.

NOTE Confidence: 0.941033282857143

00:45:51.180 --> 00:45:53.320 There are some instances of

NOTE Confidence: 0.941033282857143

00:45:53.320 --> 00:45:56.045 black skin in that Atlas and

NOTE Confidence: 0.941033282857143

00:45:56.045 --> 00:45:58.515 they are associated with trauma.

NOTE Confidence: 0.941033282857143

00:45:58.520 --> 00:46:01.510 So gunshot wounds and stabbings.

NOTE Confidence: 0.941033282857143

00:46:01.510 --> 00:46:03.310 So I think that takes it into an even

NOTE Confidence: 0.941033282857143

00:46:03.310 --> 00:46:05.324 worse realm that was in the earlier edition.

NOTE Confidence: 0.941033282857143

00:46:05.330 --> 00:46:07.010 I don't know what the most

NOTE Confidence: 0.941033282857143

00:46:07.010 --> 00:46:07.850 recent edition has.

NOTE Confidence: 0.941033282857143

00:46:07.850 --> 00:46:09.985 I do know that I began frantically

NOTE Confidence: 0.941033282857143

00:46:09.985 --> 00:46:11.653 waving and saying, please, please please.

NOTE Confidence: 0.941033282857143

00:46:11.653 --> 00:46:13.630 You need to fix this.

NOTE Confidence: 0.941033282857143

00:46:13.630 --> 00:46:14.826 And that.

NOTE Confidence: 0.941033282857143

00:46:14.826 --> 00:46:17.218 In Robbins basic pathology,

NOTE Confidence: 0.941033282857143

00:46:17.220 --> 00:46:20.300 we're bringing in multiple skin types for

NOTE Confidence: 0.941033282857143

00:46:20.300 --> 00:46:22.915 lesions addressing how it's discussed in

NOTE Confidence: 0.941033282857143

00:46:22.915 --> 00:46:25.757 the literature and keeping our eyes open.

NOTE Confidence: 0.941033282857143

00:46:25.760 --> 00:46:28.735 So recently there was something on Twitter

NOTE Confidence: 0.941033282857143

00:46:28.735 --> 00:46:31.883 about a Nigerian student who is providing

NOTE Confidence: 0.941033282857143

00:46:31.883 --> 00:46:35.798 illustrations of anatomy for with,

NOTE Confidence: 0.941033282857143

00:46:35.800 --> 00:46:36.586 you know,

NOTE Confidence: 0.941033282857143

00:46:36.586 --> 00:46:38.158 individuals of African descent,

NOTE Confidence: 0.941033282857143

00:46:38.160 --> 00:46:38.924 and I thought, oh,

NOTE Confidence: 0.941033282857143

00:46:38.924 --> 00:46:40.070 I should look at what our

NOTE Confidence: 0.941033282857143

00:46:40.118 --> 00:46:41.378 cartoons look like in Robins.

NOTE Confidence: 0.941033282857143

00:46:41.380 --> 00:46:42.364 And you know what?

NOTE Confidence: 0.941033282857143

00:46:42.364 --> 00:46:43.594 They are all white people,

NOTE Confidence: 0.941033282857143

00:46:43.600 --> 00:46:46.444 and so I brought this up with Doctor Kumar.

NOTE Confidence: 0.941033282857143

00:46:46.450 --> 00:46:48.070 We're talking with our illustrator,

NOTE Confidence: 0.941033282857143

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00:46:48.070 --> 00:46:50.206 but this brings up an issue because it's

NOTE Confidence: 0.941033282857143

00:46:50.206 --> 00:46:52.566 one thing to show normal anatomy or to

NOTE Confidence: 0.941033282857143

00:46:52.566 --> 00:46:54.389 show skin lesion different skin types.

NOTE Confidence: 0.941033282857143

00:46:54.390 --> 00:46:56.400 But now as we say,

NOTE Confidence: 0.941033282857143

00:46:56.400 --> 00:46:57.816 when we're going to be providing

NOTE Confidence: 0.941033282857143

00:46:57.816 --> 00:46:58.524 different skin types,

NOTE Confidence: 0.941033282857143

00:46:58.530 --> 00:46:59.670 So what color do we make?

NOTE Confidence: 0.941033282857143

00:46:59.670 --> 00:47:02.078 The cirrhotic liver guy or the smoker,

NOTE Confidence: 0.941033282857143

00:47:02.080 --> 00:47:04.638 or the person with syphilis, you know,

NOTE Confidence: 0.941033282857143

00:47:04.638 --> 00:47:07.816 are we going to increase racialization now?

NOTE Confidence: 0.941033282857143

00:47:07.820 --> 00:47:10.150 Doctor Graves whimsically suggested we

NOTE Confidence: 0.941033282857143

00:47:10.150 --> 00:47:13.200 make them non human colors like like

NOTE Confidence: 0.941033282857143

00:47:13.200 --> 00:47:16.512 the little what is he is easy a mole.

NOTE Confidence: 0.941033282857143

00:47:16.520 --> 00:47:18.650 He's a professor.

NOTE Confidence: 0.941033282857143

00:47:18.650 --> 00:47:19.688 Arthur, yes Arthur.

NOTE Confidence: 0.941033282857143

00:47:19.688 --> 00:47:21.764 He's some small animal who's purple.

NOTE Confidence: 0.941033282857143

00:47:21.770 --> 00:47:22.900 No or not that would.

NOTE Confidence: 0.71315178875

00:47:23.710 --> 00:47:25.870 I or maybe I'm thinking of another cartoon.

NOTE Confidence: 0.919232301

00:47:26.870 --> 00:47:30.230 Yes, well anyway, so so we are aware of that.

NOTE Confidence: 0.919232301

00:47:30.230 --> 00:47:33.149 I think that the differences is that

NOTE Confidence: 0.919232301

00:47:33.149 --> 00:47:35.949 while people have been aware of this,

NOTE Confidence: 0.919232301

00:47:35.950 --> 00:47:37.654 it hasn't always reached the people

NOTE Confidence: 0.919232301

00:47:37.654 --> 00:47:39.550 who had the power to change it,

NOTE Confidence: 0.919232301

00:47:39.550 --> 00:47:41.188 and that's what we're doing now.

NOTE Confidence: 0.919232301

00:47:41.190 --> 00:47:43.230 And we're working on multiple levels.

NOTE Confidence: 0.919232301

00:47:43.230 --> 00:47:44.850 We've presented the National Board

NOTE Confidence: 0.919232301

00:47:44.850 --> 00:47:46.720 of Medical Examiners about step one.

NOTE Confidence: 0.919232301

00:47:46.720 --> 00:47:49.414 We're engaged in discussions with the

NOTE Confidence: 0.919232301

00:47:49.414 --> 00:47:51.994 American Board of Pediatrics about how

NOTE Confidence: 0.919232301

00:47:51.994 --> 00:47:54.826 they look at race in their licensing exams

NOTE Confidence: 0.919232301

00:47:54.898 --> 00:47:57.754 for people in American Board of Pathology.

NOTE Confidence: 0.919232301

00:47:57.760 --> 00:47:59.377 I've reached out to some people there.

NOTE Confidence: 0.919232301

00:47:59.380 --> 00:48:01.354 We're looking at how race based medicine

NOTE Confidence: 0.919232301

00:48:01.354 --> 00:48:03.568 is is propagated and and this is something

NOTE Confidence: 0.919232301

00:48:03.568 --> 00:48:05.777 where everybody has a voice and gets to work.

NOTE Confidence: 0.919232301

00:48:05.780 --> 00:48:07.880 So so yeah, we need to.

NOTE Confidence: 0.919232301

00:48:07.880 --> 00:48:09.231 We need to not just make the

NOTE Confidence: 0.919232301

00:48:09.231 --> 00:48:10.519 observations to each other for coffee,

NOTE Confidence: 0.919232301

00:48:10.520 --> 00:48:12.375 we need to actually hold people accountable.

NOTE Confidence: 0.919232301

00:48:12.380 --> 00:48:14.144 And I sent my my keloids video to the

NOTE Confidence: 0.919232301

00:48:14.144 --> 00:48:16.231 up to date people and I'm going to keep

NOTE Confidence: 0.919232301

00:48:16.231 --> 00:48:18.120 pecking at them until they they fix it.

NOTE Confidence: 0.919232301

00:48:18.120 --> 00:48:20.025 So alright.

NOTE Confidence: 0.919232301

00:48:20.025 --> 00:48:20.670 Thank

NOTE Confidence: 0.95837327

00:48:20.680 --> 00:48:23.446 you for responding to that comment.

NOTE Confidence: 0.95837327

00:48:23.450 --> 00:48:26.131 Doctor David Rimm also has in the

NOTE Confidence: 0.95837327

00:48:26.131 --> 00:48:27.940 chat doctor Darrup. You're right,

90

NOTE Confidence: 0.95837327

00:48:27.940 --> 00:48:29.715 I was entertained and educated.

NOTE Confidence: 0.95837327

00:48:29.720 --> 00:48:32.240 Clearly there are genetic propensity's.

NOTE Confidence: 0.95837327

00:48:32.240 --> 00:48:34.501 Can you comment on how to integrate

NOTE Confidence: 0.95837327

00:48:34.501 --> 00:48:36.509 this genetic data into skin color?

NOTE Confidence: 0.95837327

00:48:36.510 --> 00:48:38.208 Or should that just not happen?

NOTE Confidence: 0.95837327

00:48:38.880 --> 00:48:42.070 Andrea? That yeah,

NOTE Confidence: 0.921240126666667

00:48:42.070 --> 00:48:44.752 I mean the first thing that

NOTE Confidence: 0.921240126666667

00:48:44.752 --> 00:48:47.299 people need to understand is that.

NOTE Confidence: 0.921240126666667

00:48:47.300 --> 00:48:50.846 Genetic variants are not correlated with

NOTE Confidence: 0.921240126666667

00:48:50.846 --> 00:48:53.438 each other and it's in anthropologists

NOTE Confidence: 0.921240126666667

00:48:53.438 --> 00:48:55.880 called the principle of discordance so well,

NOTE Confidence: 0.921240126666667

00:48:55.880 --> 00:48:57.605 physical traits and genetic traits

NOTE Confidence: 0.921240126666667

00:48:57.605 --> 00:48:59.720 are not correlated with each other,

NOTE Confidence: 0.921240126666667

00:48:59.720 --> 00:49:02.880 so the simple fact that individuals have dark

NOTE Confidence: 0.921240126666667

00:49:02.880 --> 00:49:06.037 skin does not indicate that they're going.

NOTE Confidence: 0.921240126666667

00:49:06.040 --> 00:49:08.344 They're going to have a specific

NOTE Confidence: 0.921240126666667

00:49:08.344 --> 00:49:09.496 genetic variants associated

NOTE Confidence: 0.921240126666667

00:49:09.496 --> 00:49:11.539 with predisposition for disease.

NOTE Confidence: 0.921240126666667

00:49:11.540 --> 00:49:13.630 For example taking you know

NOTE Confidence: 0.921240126666667

00:49:13.630 --> 00:49:14.884 sickle cell anemia.

NOTE Confidence: 0.921240126666667

00:49:14.890 --> 00:49:18.229 OK, that variant is found in Spain

NOTE Confidence: 0.921240126666667

00:49:18.230 --> 00:49:19.934 where people are light skinned and

NOTE Confidence: 0.921240126666667

00:49:19.934 --> 00:49:21.814 it's also found in central Africa

NOTE Confidence: 0.921240126666667

00:49:21.814 --> 00:49:23.534 where people are dark skinned.

NOTE Confidence: 0.921240126666667

00:49:23.540 --> 00:49:25.175 So associating that variant with

NOTE Confidence: 0.921240126666667

00:49:25.175 --> 00:49:26.810 skin color wouldn't help you.

NOTE Confidence: 0.921240126666667

00:49:26.810 --> 00:49:28.865 And and simultaneously while you

NOTE Confidence: 0.921240126666667

00:49:28.865 --> 00:49:30.920 know cystic fibrosis variants are

NOTE Confidence: 0.921240126666667

00:49:30.985 --> 00:49:33.337 more likely to be found in Northern

NOTE Confidence: 0.921240126666667

00:49:33.337 --> 00:49:35.680 Europeans who tend to have light skin

NOTE Confidence: 0.921240126666667

00:49:35.680 --> 00:49:37.945 and they're also found in people in

NOTE Confidence: 0.921240126666667

00:49:37.945 --> 00:49:40.075 Africa and India and other places

NOTE Confidence: 0.921240126666667

00:49:40.075 --> 00:49:42.619 around the world at lower frequencies.

NOTE Confidence: 0.921240126666667

00:49:42.620 --> 00:49:45.420 So so the end of the day.

NOTE Confidence: 0.921240126666667

00:49:45.420 --> 00:49:48.204 What one needs to be doing is they

NOTE Confidence: 0.921240126666667

00:49:48.204 --> 00:49:50.670 need to be examining individuals

NOTE Confidence: 0.921240126666667

00:49:50.670 --> 00:49:53.430 for their genetic composition,

NOTE Confidence: 0.921240126666667

00:49:53.430 --> 00:49:56.808 without assuming that that their skin

NOTE Confidence: 0.921240126666667

00:49:56.808 --> 00:50:00.619 color tells you necessarily which set of com,

NOTE Confidence: 0.921240126666667

00:50:00.620 --> 00:50:02.676 particularly complex diseases an

NOTE Confidence: 0.921240126666667

00:50:02.676 --> 00:50:05.246 individual is likely to have.

NOTE Confidence: 0.9920617

00:50:08.760 --> 00:50:10.148 Thank you very much for

NOTE Confidence: 0.9920617

00:50:10.148 --> 00:50:11.236 responding to that question.

NOTE Confidence: 0.920245188333333

00:50:11.240 --> 00:50:13.152 Doctor graves. Another question

NOTE Confidence: 0.920245188333333

00:50:13.152 --> 00:50:16.879 just popped up in the in the chat.

NOTE Confidence: 0.920245188333333

00:50:16.880 --> 00:50:18.425 Steven Holt asked,

NOTE Confidence: 0.920245188333333

00:50:18.425 --> 00:50:21.515 can you comment on the purported

NOTE Confidence: 0.920245188333333

00:50:21.515 --> 00:50:24.470 racial associations with lupus?

NOTE Confidence: 0.892780296

00:50:26.610 --> 00:50:28.330 Would you like to take? Yeah,

NOTE Confidence: 0.858070592857143

00:50:28.340 --> 00:50:29.656 I can take that one too because.

NOTE Confidence: 0.744880016

00:50:31.770 --> 00:50:32.670 Published on that. Well yeah,

NOTE Confidence: 0.744880016

00:50:32.670 --> 00:50:35.582 I mean what were the first examples

NOTE Confidence: 0.744880016

00:50:35.582 --> 00:50:38.628 of that got me interested in examining

NOTE Confidence: 0.744880016

00:50:38.628 --> 00:50:40.380 these false racial assumptions,

NOTE Confidence: 0.744880016

00:50:40.380 --> 00:50:44.180 and medicine was when a woman of African

NOTE Confidence: 0.744880016

00:50:44.180 --> 00:50:47.370 descent who is married to a man of

NOTE Confidence: 0.744880016

00:50:47.370 --> 00:50:49.830 predominantly African descent came into my

NOTE Confidence: 0.744880016

00:50:49.830 --> 00:50:52.630 office and described her husband symptoms,

NOTE Confidence: 0.744880016

00:50:52.630 --> 00:50:54.765 which very much sounded to

NOTE Confidence: 0.744880016

00:50:54.765 --> 00:50:57.696 me like they were lupus,

NOTE Confidence: 0.744880016

00:50:57.696 --> 00:51:01.848 but Hurvis position refused to diagnose.

NOTE Confidence: 0.744880016

00:51:01.850 --> 00:51:05.532 Yeah, with lupus because he took the

NOTE Confidence: 0.744880016

00:51:05.532 --> 00:51:08.628 position that Africans don't get lupus.

NOTE Confidence: 0.744880016

00:51:08.630 --> 00:51:10.744 And it turns out that when they

NOTE Confidence: 0.744880016

00:51:10.744 --> 00:51:12.430 went to another specialist,

NOTE Confidence: 0.744880016

00:51:12.430 --> 00:51:13.462 he did have lupus.

NOTE Confidence: 0.744880016

00:51:13.462 --> 00:51:16.098 In fact, my little sister suffers from lupus,

NOTE Confidence: 0.744880016

00:51:16.100 --> 00:51:17.258 so once again,

NOTE Confidence: 0.744880016

00:51:17.258 --> 00:51:19.960 we need to be cognizant of the

NOTE Confidence: 0.744880016

00:51:20.047 --> 00:51:23.190 fact that you know variants that

NOTE Confidence: 0.744880016

00:51:23.190 --> 00:51:26.144 predispose people to specific diseases.

NOTE Confidence: 0.744880016

00:51:26.144 --> 00:51:28.692 Are at different frequencies

NOTE Confidence: 0.744880016

00:51:28.692 --> 00:51:31.240 in all world populations.

NOTE Confidence: 0.744880016

00:51:31.240 --> 00:51:34.088 And then when you consider the fact that.

NOTE Confidence: 0.744880016

00:51:34.090 --> 00:51:35.430 For many of these diseases,

NOTE Confidence: 0.744880016

00:51:35.430 --> 00:51:37.110 we're actually looking at

NOTE Confidence: 0.744880016

00:51:37.110 --> 00:51:38.370 complex genetic foundation,

NOTE Confidence: 0.744880016

00:51:38.370 --> 00:51:40.970 not just simply one variant,

NOTE Confidence: 0.744880016

00:51:40.970 --> 00:51:42.872 but you really need to look

NOTE Confidence: 0.744880016

00:51:42.872 --> 00:51:44.680 you know across the genome,

NOTE Confidence: 0.744880016

00:51:44.680 --> 00:51:47.529 and then you have to also be

NOTE Confidence: 0.744880016

00:51:47.529 --> 00:51:48.750 cognizant of environmental

NOTE Confidence: 0.744880016

00:51:48.824 --> 00:51:50.290 and epigenomic contributions.

NOTE Confidence: 0.744880016

00:51:50.290 --> 00:51:53.730 You again you gotta get away from the

NOTE Confidence: 0.744880016

00:51:53.730 --> 00:51:56.644 idea that you know one particular ethnic

NOTE Confidence: 0.744880016

00:51:56.644 --> 00:52:00.136 group is far more likely to get X disease.

NOTE Confidence: 0.744880016

00:52:00.140 --> 00:52:01.208 I mean, yeah,

NOTE Confidence: 0.744880016

00:52:01.208 --> 00:52:02.988 it happens in some cases,

NOTE Confidence: 0.744880016

00:52:02.990 --> 00:52:04.838 but you also need to be aware.

NOTE Confidence: 0.744880016

00:52:04.840 --> 00:52:06.275 That you can also happen

NOTE Confidence: 0.744880016

00:52:06.275 --> 00:52:07.710 in groups that you wouldn't

NOTE Confidence: 0.744880016

00:52:07.765 --> 00:52:09.310 expect to have that disease.

NOTE Confidence: 0.905420968571429

00:52:11.360 --> 00:52:15.357 Right, so I think I think what

NOTE Confidence: 0.905420968571429

00:52:15.360 --> 00:52:18.648 Doctor Holt was mentioned is we

NOTE Confidence: 0.905420968571429

00:52:18.648 --> 00:52:20.292 actually frequently associate.

NOTE Confidence: 0.905420968571429

00:52:20.300 --> 00:52:22.450 African descent with with lupus?

NOTE Confidence: 0.905420968571429

00:52:22.450 --> 00:52:24.361 I mean, that's that's like a classic

NOTE Confidence: 0.905420968571429

00:52:24.361 --> 00:52:25.779 association and we have these,

NOTE Confidence: 0.905420968571429

00:52:25.780 --> 00:52:26.780 but with doctor Graves.

NOTE Confidence: 0.905420968571429

00:52:26.780 --> 00:52:28.780 His point is that that's so critical,

NOTE Confidence: 0.905420968571429

00:52:28.780 --> 00:52:30.067 is that right?

NOTE Confidence: 0.905420968571429

00:52:30.067 --> 00:52:31.354 Pretest probability can

NOTE Confidence: 0.905420968571429

00:52:31.354 --> 00:52:33.949 only get you so far right?

NOTE Confidence: 0.905420968571429

00:52:33.950 --> 00:52:35.910 And this is a point I made in the talk.

NOTE Confidence: 0.905420968571429

00:52:35.910 --> 00:52:38.278 Is that we're not saying that you know,

NOTE Confidence: 0.905420968571429

00:52:38.280 --> 00:52:40.100 every you know African American

NOTE Confidence: 0.905420968571429

00:52:40.100 --> 00:52:43.030 child who shows up with a cold you

NOTE Confidence: 0.905420968571429

00:52:43.030 --> 00:52:44.765 think could be cystic fibrosis,

NOTE Confidence: 0.905420968571429

00:52:44.770 --> 00:52:45.584 you know,

NOTE Confidence: 0.905420968571429

00:52:45.584 --> 00:52:47.619 but don't keep denying something

NOTE Confidence: 0.905420968571429

00:52:47.619 --> 00:52:49.790 based on socially defined race.

NOTE Confidence: 0.905420968571429

00:52:49.790 --> 00:52:50.840 And I'm just going to mention.

NOTE Confidence: 0.905420968571429

00:52:50.840 --> 00:52:53.087 Something else which is even more insidious

NOTE Confidence: 0.905420968571429

00:52:53.087 --> 00:52:55.857 on that which is that with Doctor Lanny Ross.

NOTE Confidence: 0.905420968571429

00:52:55.860 --> 00:52:57.666 I was talking back and forth with

NOTE Confidence: 0.905420968571429

00:52:57.666 --> 00:52:58.960 her about cystic fibrosis.

NOTE Confidence: 0.905420968571429

00:52:58.960 --> 00:53:00.906 She's published on it and she said

NOTE Confidence: 0.905420968571429

00:53:00.906 --> 00:53:02.672 the issue is she's a pediatrician

NOTE Confidence: 0.905420968571429

00:53:02.672 --> 00:53:05.011 is that you know if you have a

NOTE Confidence: 0.905420968571429

00:53:05.011 --> 00:53:06.499 2 month old child who presents

NOTE Confidence: 0.905420968571429

00:53:06.499 --> 00:53:08.166 in the Ed with failure to thrive

NOTE Confidence: 0.905420968571429

00:53:08.166 --> 00:53:09.865 and it's a white kid they think

NOTE Confidence: 0.905420968571429

00:53:09.865 --> 00:53:11.220 oh could be cystic fibrosis.

NOTE Confidence: 0.905420968571429

00:53:11.220 --> 00:53:13.138 If it's a black kid they think

00:53:13.138 --> 00:53:14.986 neglect right and so this is part

00:53:14.986 --> 00:53:16.844 of what happens is what do the

00:53:16.844 --> 00:53:18.264 associations that we're teaching

00:53:18.264 --> 00:53:20.862 people is that neglect is more common.

00:53:20.862 --> 00:53:22.917 Then cystic fibrosis in African

00:53:22.917 --> 00:53:24.128 American children, right?

00:53:24.128 --> 00:53:26.710 So we really need to be mindful

00:53:26.710 --> 00:53:28.310 of how we do this,

00:53:28.310 --> 00:53:31.985 and it's just another aside is that?

00:53:31.990 --> 00:53:33.772 When with more and more people

00:53:33.772 --> 00:53:35.463 doing this 23 and me, right?

00:53:35.463 --> 00:53:37.234 So part of my interest in this

00:53:37.234 --> 00:53:39.171 came from one of the Association

00:53:39.171 --> 00:53:40.543 of pathology chair meetings.

00:53:40.550 --> 00:53:41.582 Someone said, you know,

00:53:41.582 --> 00:53:43.854 she and her husband got the, you know,

NOTE Confidence: 0.905420968571429

00:53:43.854 --> 00:53:45.955 the the genomic thing done and

NOTE Confidence: 0.905420968571429

00:53:45.955 --> 00:53:47.665 he'd had these symptoms for years.

NOTE Confidence: 0.905420968571429

00:53:47.670 --> 00:53:50.214 Blonde hair blue eyed guys had

NOTE Confidence: 0.905420968571429

00:53:50.214 --> 00:53:51.848 Mediterranean familial fever, right?

NOTE Confidence: 0.905420968571429

00:53:51.848 --> 00:53:53.996 And no one had ever diagnostics.

NOTE Confidence: 0.905420968571429

00:53:54.000 --> 00:53:56.260 His blonde hair, blue eyes, right?

NOTE Confidence: 0.905420968571429

00:53:56.260 --> 00:53:58.810 So so really.

NOTE Confidence: 0.905420968571429

00:53:58.810 --> 00:54:00.618 Have our minds open to the fact that

NOTE Confidence: 0.905420968571429

00:54:00.618 --> 00:54:02.489 we don't know what we're looking at.

NOTE Confidence: 0.905420968571429

00:54:02.490 --> 00:54:03.840 We don't know what people have.

NOTE Confidence: 0.90155418

00:54:06.420 --> 00:54:07.560 Thank you both for responding

NOTE Confidence: 0.90155418

00:54:07.560 --> 00:54:10.420 that question. Let's see,

NOTE Confidence: 0.92671973

00:54:10.430 --> 00:54:11.818 there's a couple questions.

NOTE Confidence: 0.7589189075

00:54:12.890 --> 00:54:13.930 One in the QA

NOTE Confidence: 0.901320755

00:54:13.940 --> 00:54:15.890 chat says in a similar vein,

NOTE Confidence: 0.901320755

00:54:15.890 --> 00:54:19.554 is there a good way to Carly Dr.

NOTE Confidence: 0.901320755

00:54:19.554 --> 00:54:22.290 Carlene meiklejohn? Asked

NOTE Confidence: 0.776747536

00:54:20.450 --> 00:54:22.280 is in a similar meaning. Is there a good way

NOTE Confidence: 0.9396355675

00:54:22.290 --> 00:54:24.082 to refer to population

NOTE Confidence: 0.9396355675

00:54:24.082 --> 00:54:25.874 variation and disease risk?

NOTE Confidence: 0.9396355675

00:54:25.880 --> 00:54:27.784 Should it always be with the caveat

NOTE Confidence: 0.9396355675

00:54:27.784 --> 00:54:29.677 these are often based on social

NOTE Confidence: 0.9396355675

00:54:29.677 --> 00:54:31.377 social determinants of health care?

NOTE Confidence: 0.83488448

00:54:33.450 --> 00:54:35.946 So Karlene thank you for letting us know

NOTE Confidence: 0.83488448

00:54:35.946 --> 00:54:38.376 that Arnold MO the Arthur is an aardvark.

NOTE Confidence: 0.83488448

00:54:38.380 --> 00:54:40.035 I knew that he was. He was not

NOTE Confidence: 0.83488448

00:54:40.035 --> 00:54:41.865 something else and it is something.

NOTE Confidence: 0.84380186

00:54:43.900 --> 00:54:47.402 So uhm, as far as sorry I got distracted

NOTE Confidence: 0.84380186

00:54:47.402 --> 00:54:50.459 by my by my witty comment on that.

NOTE Confidence: 0.84380186

00:54:50.460 --> 00:54:52.875 So the about making the issue about

NOTE Confidence: 0.84380186

00:54:52.875 --> 00:54:55.040 social determinants of health care right?

NOTE Confidence: 0.84380186

00:54:55.040 --> 00:54:57.064 So one of the points that doctor Graves

NOTE Confidence: 0.84380186

00:54:57.064 --> 00:54:59.136 makes that I think is incredibly powerful

NOTE Confidence: 0.84380186

00:54:59.140 --> 00:55:02.299 is that we're just and and there's a really

NOTE Confidence: 0.84380186

00:55:02.299 --> 00:55:04.767 excellent article written by Jenny thigh,

NOTE Confidence: 0.84380186

00:55:04.770 --> 00:55:07.182 who's here at Yale in emergency

NOTE Confidence: 0.84380186

00:55:07.182 --> 00:55:09.601 medicine about how we just say, well,

NOTE Confidence: 0.84380186

00:55:09.601 --> 00:55:11.167 it's it's social determinants of health.

NOTE Confidence: 0.84380186

00:55:11.170 --> 00:55:12.014 That's that's the thing.

NOTE Confidence: 0.84380186

00:55:12.014 --> 00:55:13.539 And then we stop paying attention to it,

NOTE Confidence: 0.84380186

00:55:13.540 --> 00:55:14.167 as if we.

NOTE Confidence: 0.84380186

00:55:14.167 --> 00:55:16.379 We can't change that as if we can't fix it,

NOTE Confidence: 0.84380186

00:55:16.380 --> 00:55:17.450 so doctor Graves will say,

NOTE Confidence: 0.84380186

00:55:17.450 --> 00:55:19.487 you know, we know you know health.

NOTE Confidence: 0.84380186

00:55:19.490 --> 00:55:20.706 Health disparities based on

NOTE Confidence: 0.84380186

00:55:20.706 --> 00:55:22.226 race as a solved problem.

102

NOTE Confidence: 0.84380186

00:55:22.230 --> 00:55:23.593 We know how to solve it, right?

NOTE Confidence: 0.84380186

00:55:23.593 --> 00:55:24.958 We put money into it.

NOTE Confidence: 0.84380186

00:55:24.960 --> 00:55:26.390 We make sure we are.

NOTE Confidence: 0.84380186

00:55:26.390 --> 00:55:28.676 We hire inclusively so that patients

NOTE Confidence: 0.84380186

00:55:28.676 --> 00:55:30.899 can see physicians they can trust.

NOTE Confidence: 0.84380186

00:55:30.900 --> 00:55:32.252 We'd be sure they have access to care

NOTE Confidence: 0.84380186

00:55:32.252 --> 00:55:33.430 they have access to medications.

NOTE Confidence: 0.84380186

00:55:33.430 --> 00:55:34.666 They can afford medications,

NOTE Confidence: 0.84380186

00:55:34.666 --> 00:55:36.520 and if we had universal healthcare

NOTE Confidence: 0.84380186

00:55:36.575 --> 00:55:37.409 just for example,

NOTE Confidence: 0.84380186

00:55:37.410 --> 00:55:40.168 that would go a long way towards

NOTE Confidence: 0.84380186

00:55:40.168 --> 00:55:41.563 curing health disparities, right?

NOTE Confidence: 0.84380186

00:55:41.563 --> 00:55:43.054 A lot of those things on that

NOTE Confidence: 0.84380186

00:55:43.054 --> 00:55:44.458 slide I showed would cease.

NOTE Confidence: 0.84380186

00:55:44.460 --> 00:55:45.106 To exist,

NOTE Confidence: 0.84380186

00:55:45.106 --> 00:55:47.044 if we could be sure people

NOTE Confidence: 0.84380186

00:55:47.044 --> 00:55:48.310 were taken care of.

NOTE Confidence: 0.84380186

00:55:48.310 --> 00:55:51.294 So it's it's and I see these papers

NOTE Confidence: 0.84380186

00:55:51.294 --> 00:55:54.530 that come out will they'll they'll say,

NOTE Confidence: 0.84380186

00:55:54.530 --> 00:55:54.811 well,

NOTE Confidence: 0.84380186

00:55:54.811 --> 00:55:57.059 we're going to see that even when we

NOTE Confidence: 0.84380186

00:55:57.059 --> 00:55:59.308 account for social determinants of health,

NOTE Confidence: 0.84380186

00:55:59.310 --> 00:56:01.109 there's still a different based on race.

NOTE Confidence: 0.84380186

00:56:01.110 --> 00:56:03.726 It's like you have no idea how broad

NOTE Confidence: 0.84380186

00:56:03.726 --> 00:56:06.327 the social determinants of health are,

NOTE Confidence: 0.84380186

00:56:06.330 --> 00:56:07.866 and the epigenetics and the stress,

NOTE Confidence: 0.84380186

00:56:07.870 --> 00:56:10.420 and we know that you know if if a female

NOTE Confidence: 0.84380186

00:56:10.490 --> 00:56:12.824 mouse is pregnant and distress there

NOTE Confidence: 0.84380186

00:56:12.824 --> 00:56:15.409 be epigenetic changes in the pups right?

NOTE Confidence: 0.84380186

00:56:15.410 --> 00:56:16.586 And we know about you know,

NOTE Confidence: 0.84380186

00:56:16.590 --> 00:56:18.970 generational trauma as far as.

NOTE Confidence: 0.84380186

00:56:18.970 --> 00:56:20.850 How people interact with their

NOTE Confidence: 0.84380186

00:56:20.850 --> 00:56:22.354 children and their children,

NOTE Confidence: 0.84380186

00:56:22.360 --> 00:56:22.704 children.

NOTE Confidence: 0.84380186

00:56:22.704 --> 00:56:25.456 So I think we have to be careful

NOTE Confidence: 0.84380186

00:56:25.456 --> 00:56:28.217 about just lumping things as their

NOTE Confidence: 0.84380186

00:56:28.217 --> 00:56:30.093 social determinants of health.

NOTE Confidence: 0.84380186

00:56:30.100 --> 00:56:30.293 Joe,

NOTE Confidence: 0.84380186

00:56:30.293 --> 00:56:31.644 do you want to comment on that?

NOTE Confidence: 0.887813465625

00:56:31.660 --> 00:56:34.548 I mean one of the social determinants of

NOTE Confidence: 0.887813465625

00:56:34.548 --> 00:56:37.798 health is racism and the exposure to racism.

NOTE Confidence: 0.887813465625

00:56:37.800 --> 00:56:39.683 And in the cartoon that you showed

NOTE Confidence: 0.887813465625

00:56:39.683 --> 00:56:41.750 at the end of the presentation,

NOTE Confidence: 0.887813465625

00:56:41.750 --> 00:56:43.900 and that's something that will

NOTE Confidence: 0.887813465625

00:56:43.900 --> 00:56:46.050 never be directly equalized in

NOTE Confidence: 0.887813465625

00:56:46.124 --> 00:56:48.240 a racially stratified society.

NOTE Confidence: 0.887813465625

00:56:48.240 --> 00:56:51.480 And so the main point of our new book,

NOTE Confidence: 0.887813465625

00:56:51.480 --> 00:56:54.030 racism, not race is to indicate

NOTE Confidence: 0.887813465625

00:56:54.030 --> 00:56:57.000 that we need to as a society,

NOTE Confidence: 0.887813465625

00:56:57.000 --> 00:56:58.305 fix structural racism.

NOTE Confidence: 0.887813465625

00:56:58.305 --> 00:57:01.909 Now this is not a case of as

NOTE Confidence: 0.887813465625

00:57:01.909 --> 00:57:04.249 doctor Darrup is playing us,

NOTE Confidence: 0.887813465625

00:57:04.250 --> 00:57:06.779 so it's not a case of lack of knowledge.

NOTE Confidence: 0.887813465625

00:57:06.780 --> 00:57:09.318 It's a case of both a lack of political

NOTE Confidence: 0.887813465625

00:57:09.318 --> 00:57:11.638 and moral will to do what's right.

NOTE Confidence: 0.887813465625

00:57:11.640 --> 00:57:13.856 So if we really want a healthy society,

NOTE Confidence: 0.887813465625

00:57:13.860 --> 00:57:17.778 they wanted to eliminate these disparities.

NOTE Confidence: 0.887813465625

00:57:17.780 --> 00:57:19.590 That could be easily done,

NOTE Confidence: 0.887813465625

00:57:19.590 --> 00:57:21.715 but there are strong vested

NOTE Confidence: 0.887813465625

00:57:21.715 --> 00:57:23.840 interests who work to maintain

NOTE Confidence: 0.887813465625

00:57:23.919 --> 00:57:26.119 these conditions of injustice,

NOTE Confidence: 0.887813465625

00:57:26.120 --> 00:57:27.705 which happened to wreck results

NOTE Confidence: 0.887813465625

00:57:27.705 --> 00:57:29.960 on how long people live and and

NOTE Confidence: 0.887813465625

00:57:29.960 --> 00:57:31.778 and the quality of people's lives.

NOTE Confidence: 0.887813465625

00:57:31.780 --> 00:57:34.468 And that's why you know we call on

NOTE Confidence: 0.887813465625

00:57:34.468 --> 00:57:36.790 people to step up and to do what's right.

NOTE Confidence: 0.62109786

00:57:39.280 --> 00:57:41.686 Thank you both for that, so I think

NOTE Confidence: 0.952641144117647

00:57:41.690 --> 00:57:43.976 maybe we can wrap up with one more question

NOTE Confidence: 0.952641144117647

00:57:43.976 --> 00:57:45.886 which I think kind of touches on two.

NOTE Confidence: 0.952641144117647

00:57:45.890 --> 00:57:47.230 Another question in the chat.

NOTE Confidence: 0.952641144117647

00:57:47.230 --> 00:57:50.188 So these are doctor Matthew

NOTE Confidence: 0.952641144117647

00:57:50.188 --> 00:57:53.008 Goldenberg and Doctor Drew Bernheisel.

NOTE Confidence: 0.952641144117647

00:57:53.010 --> 00:57:55.308 Kind of both asked something related

NOTE Confidence: 0.952641144117647

00:57:55.308 --> 00:57:57.870 to the clinical the clinical sphere.

NOTE Confidence: 0.952641144117647

00:57:57.870 --> 00:58:00.095 So to word it here.

NOTE Confidence: 0.952641144117647

00:58:00.095 --> 00:58:01.820 So given the conclusion that

NOTE Confidence: 0.952641144117647

00:58:01.820 --> 00:58:03.770 biological race is a fallacy,

NOTE Confidence: 0.952641144117647

00:58:03.770 --> 00:58:05.990 but that socially constructed Reese

NOTE Confidence: 0.952641144117647

00:58:05.990 --> 00:58:08.402 is so important, how might we,

NOTE Confidence: 0.952641144117647

00:58:08.402 --> 00:58:10.258 in clinical encounters encounters?

NOTE Confidence: 0.952641144117647

00:58:10.260 --> 00:58:12.260 And I think this also is where it

NOTE Confidence: 0.952641144117647

00:58:12.260 --> 00:58:13.975 touches on what doctor Bernheisel

NOTE Confidence: 0.952641144117647

00:58:13.975 --> 00:58:18.244 said in notes or the clinical sphere.

NOTE Confidence: 0.952641144117647

00:58:18.244 --> 00:58:20.384 Appropriately acknowledged race and racism.

NOTE Confidence: 0.78178895

00:58:24.320 --> 00:58:28.758 Gosh graves. Goes down to two,

NOTE Confidence: 0.78178895

00:58:28.758 --> 00:58:32.175 one attempting to treat the patient as

NOTE Confidence: 0.78178895

00:58:32.175 --> 00:58:34.846 a human being and not making assumptions

NOTE Confidence: 0.78178895

00:58:34.846 --> 00:58:37.610 based upon their so C define race.

NOTE Confidence: 0.78178895

00:58:37.610 --> 00:58:41.634 So if I walk into an emergency room,

NOTE Confidence: 0.78178895

00:58:41.640 --> 00:58:44.375 people don't know that I'm

NOTE Confidence: 0.78178895

00:58:44.375 --> 00:58:46.016 a university professor.

NOTE Confidence: 0.78178895

00:58:46.020 --> 00:58:47.900 And I can, you know,

NOTE Confidence: 0.78178895

00:58:47.900 --> 00:58:50.144 have a physician who assumes all

00:58:50.144 --> 00:58:52.505 sorts of things about my occupation

00:58:52.505 --> 00:58:55.256 about where I live about my behavior.

00:58:55.260 --> 00:58:57.438 You know, I drink too much.

00:58:57.440 --> 00:58:59.888 Or, you know, I work in a factory

00:58:59.888 --> 00:59:02.096 simply because it covered my skin and

00:59:02.096 --> 00:59:04.330 not that I'm a university professor.

00:59:04.330 --> 00:59:04.960 And then, by the way,

00:59:04.960 --> 00:59:06.490 this has happened to me

00:59:06.490 --> 00:59:08.514 repeatedly throughout my life.

00:59:08.514 --> 00:59:11.750 So the question comes down to is

00:59:11.750 --> 00:59:13.490 a really basic things about you

00:59:13.490 --> 00:59:15.540 know how one would practice in?

00:59:15.540 --> 00:59:17.046 And I I don't practice medicine.

00:59:17.050 --> 00:59:18.217 My brother did,

00:59:18.217 --> 00:59:20.551 but you know how one treats

00:59:20.551 --> 00:59:22.692 patients when they come in with,

NOTE Confidence: 0.78178895

00:59:22.692 --> 00:59:24.702 you know a heuristic that

NOTE Confidence: 0.78178895

00:59:24.702 --> 00:59:26.310 actually attempts to understand

NOTE Confidence: 0.78178895

00:59:26.382 --> 00:59:28.296 them as an individual and not,

NOTE Confidence: 0.78178895

00:59:28.300 --> 00:59:28.960 you know,

NOTE Confidence: 0.78178895

00:59:28.960 --> 00:59:30.280 collapsing them into one's

NOTE Confidence: 0.78178895

00:59:30.280 --> 00:59:32.324 vision of what salty defined race

NOTE Confidence: 0.78178895

00:59:32.324 --> 00:59:33.979 actually is supposed to be.

NOTE Confidence: 0.958076688461539

00:59:35.760 --> 00:59:38.126 This is this is also something that

NOTE Confidence: 0.958076688461539

00:59:38.126 --> 00:59:40.069 we've been thinking about it Duke,

NOTE Confidence: 0.958076688461539

00:59:40.070 --> 00:59:43.577 you know, because you wanna ask questions,

NOTE Confidence: 0.958076688461539

00:59:43.580 --> 00:59:44.630 you know we teach our medical students.

NOTE Confidence: 0.958076688461539

00:59:44.630 --> 00:59:46.340 Ask questions about you, know,

NOTE Confidence: 0.958076688461539

00:59:46.340 --> 00:59:48.902 do you feel safe at home? Is there?

NOTE Confidence: 0.958076688461539

00:59:48.902 --> 00:59:51.852 Do you have access to, you know?

NOTE Confidence: 0.958076688461539

00:59:51.852 --> 00:59:52.957 Can you afford your medications?

NOTE Confidence: 0.958076688461539

00:59:52.960 --> 00:59:53.779 For example, right?

NOTE Confidence: 0.958076688461539

00:59:53.779 --> 00:59:56.002 And we discussed this in the teaching for

NOTE Confidence: 0.958076688461539

00:59:56.002 --> 00:59:57.848 equity fellowship and I said, you know,

NOTE Confidence: 0.958076688461539

00:59:57.848 --> 00:59:59.696 and one of the other participants is

NOTE Confidence: 0.958076688461539

00:59:59.696 --> 01:00:01.499 that you know I don't know how to

NOTE Confidence: 0.958076688461539

01:00:01.499 --> 01:00:03.280 how to model this for my students.

NOTE Confidence: 0.958076688461539

01:00:03.280 --> 01:00:04.360 And I said, you know,

NOTE Confidence: 0.958076688461539

01:00:04.360 --> 01:00:05.736 you should ask everybody.

NOTE Confidence: 0.958076688461539

01:00:05.736 --> 01:00:08.549 That just because I come in and I'm

NOTE Confidence: 0.958076688461539

01:00:08.549 --> 01:00:10.577 dressed well or whatever doesn't mean

NOTE Confidence: 0.958076688461539

01:00:10.577 --> 01:00:13.107 that I might have trouble affording a

NOTE Confidence: 0.958076688461539

01:00:13.107 --> 01:00:15.620 medication or or be able to get it.

NOTE Confidence: 0.958076688461539

01:00:15.620 --> 01:00:17.300 Or I may be an abusive relationship

NOTE Confidence: 0.958076688461539

01:00:17.354 --> 01:00:21.004 or whatever, and so I think we need

NOTE Confidence: 0.958076688461539

01:00:21.004 --> 01:00:23.020 to not make assumptions.

NOTE Confidence: 0.958076688461539

01:00:23.020 --> 01:00:24.946 You should ask everybody you know.

NOTE Confidence: 0.958076688461539

01:00:24.950 --> 01:00:26.000 Do you feel safe at home?

NOTE Confidence: 0.958076688461539

01:00:26.000 --> 01:00:27.428 Is there a gun in the home?

NOTE Confidence: 0.958076688461539

01:00:27.430 --> 01:00:28.450 Well, is there someone to

NOTE Confidence: 0.958076688461539

01:00:28.450 --> 01:00:29.470 take care of your children?

NOTE Confidence: 0.958076688461539

01:00:29.470 --> 01:00:30.616 Do you need help with care?

NOTE Confidence: 0.958076688461539

01:00:30.620 --> 01:00:31.140 I mean,

NOTE Confidence: 0.958076688461539

01:00:31.140 --> 01:00:32.960 this should be part of as Doctor

NOTE Confidence: 0.958076688461539

01:00:32.960 --> 01:00:34.925 Gray saying how we take care

NOTE Confidence: 0.958076688461539

01:00:34.925 --> 01:00:36.237 of our individual patients.

NOTE Confidence: 0.958076688461539

01:00:36.240 --> 01:00:38.328 Is is to find out what are their

NOTE Confidence: 0.958076688461539

01:00:38.328 --> 01:00:39.868 needs and an important component

NOTE Confidence: 0.958076688461539

01:00:39.868 --> 01:00:42.497 of this is that when you ask that

NOTE Confidence: 0.958076688461539

01:00:42.497 --> 01:00:44.549 when you when you actually ask

NOTE Confidence: 0.958076688461539

01:00:44.549 --> 01:00:45.918 your patients these questions.

NOTE Confidence: 0.958076688461539

01:00:45.918 --> 01:00:48.284 You're going to be able to take

NOTE Confidence: 0.958076688461539

01:00:48.284 --> 01:00:49.768 better care of them, right?

NOTE Confidence: 0.958076688461539

01:00:49.768 --> 01:00:51.196 You'll have better insight into them.

NOTE Confidence: 0.958076688461539

01:00:51.200 --> 01:00:52.630 You'll have a better connection,

NOTE Confidence: 0.958076688461539

01:00:52.630 --> 01:00:54.310 and I understand there's a huge problem with,

NOTE Confidence: 0.958076688461539

01:00:54.310 --> 01:00:55.654 you know you get 5 1/2 minutes

NOTE Confidence: 0.958076688461539

01:00:55.654 --> 01:00:56.230 with each patient,

NOTE Confidence: 0.958076688461539

01:00:56.230 --> 01:00:58.182 so that's a you know that's a systemic

NOTE Confidence: 0.958076688461539

01:00:58.182 --> 01:01:00.569 problem we need to fix a systems problem,

NOTE Confidence: 0.958076688461539

01:01:00.569 --> 01:01:01.868 but you know,

NOTE Confidence: 0.958076688461539

01:01:01.870 --> 01:01:04.546 if we really are serious about

NOTE Confidence: 0.958076688461539

01:01:04.550 --> 01:01:05.462 taking care of people,

NOTE Confidence: 0.958076688461539

01:01:05.462 --> 01:01:07.230 we have to take care of people,

NOTE Confidence: 0.958076688461539

01:01:07.230 --> 01:01:09.714 not colors or races or categories

NOTE Confidence: 0.958076688461539

01:01:09.714 --> 01:01:12.500 that I'm making quick guesses about.

NOTE Confidence: 0.8600358

01:01:14.650 --> 01:01:16.900 Well, thank you both so

NOTE Confidence: 0.8600358

01:01:16.900 --> 01:01:18.860 much for sharing this.

NOTE Confidence: 0.89989852875

01:01:18.860 --> 01:01:21.396 All your answers and insight on this topic.

NOTE Confidence: 0.89989852875

01:01:21.400 --> 01:01:23.344 I think it looks like many people stayed on

NOTE Confidence: 0.89989852875

01:01:23.344 --> 01:01:25.277 even though we've gone a few minutes over.

NOTE Confidence: 0.89989852875

01:01:25.280 --> 01:01:27.704 So I think that speaks to how it

NOTE Confidence: 0.89989852875

01:01:27.704 --> 01:01:29.375 captured everyone's attention today.

NOTE Confidence: 0.89989852875

01:01:29.375 --> 01:01:32.512 So with that, I think that concludes

NOTE Confidence: 0.89989852875

01:01:32.512 --> 01:01:35.232 our grand rounds and we'll see you

NOTE Confidence: 0.89989852875

01:01:35.232 --> 01:01:36.802 in the resident community section

NOTE Confidence: 0.89989852875

01:01:36.802 --> 01:01:38.836 for Doctor Day reps at Doctor Damon.

NOTE Confidence: 0.89989852875

01:01:38.840 --> 01:01:40.616 Doctor Graves, thank you very

NOTE Confidence: 0.89989852875

01:01:40.616 --> 01:01:41.468 much everyone here today.