WEBVTT

NOTE duration:"01:30:33.3660000"

NOTE language:en-us

NOTE Confidence: 0.928912222385406

00:00:00.000 --> 00:00:02.680 Welcome everybody for coming up.

NOTE Confidence: 0.928912222385406

00:00:02.680 --> 00:00:06.340 As so often happens in webinars,

NOTE Confidence: 0.928912222385406

00:00:06.340 --> 00:00:09.730 we have been having technical difficulties,

NOTE Confidence: 0.928912222385406

00:00:09.730 --> 00:00:13.676 but I'm really pleased to be able

NOTE Confidence: 0.928912222385406

00:00:13.676 --> 00:00:17.054 to turn things over to Joanna,

NOTE Confidence: 0.928912222385406

00:00:17.060 --> 00:00:20.648 who's going to introduce us to

NOTE Confidence: 0.928912222385406

00:00:20.648 --> 00:00:23.829 the never ending story of the

NOTE Confidence: 0.9008612207004

00:00:23.830 --> 00:00:26.806 1918 pandemic? Thank you Naomi and

NOTE Confidence: 0.9008612207004

00:00:26.806 --> 00:00:30.270 thank you to everybody that is sign on.

NOTE Confidence: 0.9008612207004

00:00:30.270 --> 00:00:33.834 I also wanna give Naomi Um a special shout

NOTE Confidence: 0.9008612207004

00:00:33.834 --> 00:00:37.570 out for her musical stylings that was

NOTE Confidence: 0.9008612207004

00:00:37.570 --> 00:00:40.519 excellent improvisation and I want to.

NOTE Confidence: 0.9008612207004

00:00:40.520 --> 00:00:43.334 I guess I asked to say a

NOTE Confidence: 0.9008612207004

00:00:43.334 --> 00:00:46.150 little bit more about who I am,

NOTE Confidence: 0.9008612207004

00:00:46.150 --> 00:00:48.775 so you have some understanding of all

NOTE Confidence: 0.9008612207004

00:00:48.775 --> 00:00:51.778 of you out there wherever you are,

NOTE Confidence: 0.9008612207004

00:00:51.780 --> 00:00:53.790 what you're about to hear.

NOTE Confidence: 0.9008612207004

00:00:53.790 --> 00:00:56.373 I am associate professor at Yale in

NOTE Confidence: 0.9008612207004

00:00:56.373 --> 00:00:59.009 the section for history of Medicine.

NOTE Confidence: 0.9008612207004

00:00:59.010 --> 00:01:01.020 Naomi Rogers and John Warner,

NOTE Confidence: 0.9008612207004

00:01:01.020 --> 00:01:03.354 who you'll hear from after my

NOTE Confidence: 0.9008612207004

00:01:03.354 --> 00:01:05.440 talk are my colleagues there,

NOTE Confidence: 0.9008612207004

00:01:05.440 --> 00:01:07.450 and we formed the section

NOTE Confidence: 0.9008612207004

00:01:07.450 --> 00:01:09.460 of the history of Medicine,

NOTE Confidence: 0.9008612207004

00:01:09.460 --> 00:01:11.510 which is really wonderful place.

NOTE Confidence: 0.9008612207004

00:01:11.510 --> 00:01:14.282 Do not just think about what has

NOTE Confidence: 0.9008612207004

00:01:14.282 --> 00:01:17.586 happened in the past, but to try to

NOTE Confidence: 0.9008612207004

00:01:17.586 --> 00:01:20.015 bring new dimensions of meaning. Uhm,

NOTE Confidence: 0.9008612207004

00:01:20.015 --> 00:01:22.445 from a range of methodological resources,

NOTE Confidence: 0.9008612207004

00:01:22.450 --> 00:01:24.066 but predominantly historical to

NOTE Confidence: 0.9008612207004

00:01:24.066 --> 00:01:26.086 things that are happening now.

NOTE Confidence: 0.9008612207004

00:01:26.090 --> 00:01:28.666 So I want to thank mark for inviting

NOTE Confidence: 0.9008612207004

00:01:28.666 --> 00:01:31.607 me to share my perspectives on the

NOTE Confidence: 0.9008612207004

00:01:31.607 --> 00:01:34.600 history of the 1918 influenza pandemic.

NOTE Confidence: 0.9008612207004

00:01:34.600 --> 00:01:37.894 It'll come as a surprise to none of you

NOTE Confidence: 0.9008612207004

00:01:37.894 --> 00:01:41.516 since you're all here that this pandemic has.

NOTE Confidence: 0.9008612207004

00:01:41.520 --> 00:01:43.596 Kind of emerged as a dominant

NOTE Confidence: 0.9008612207004

00:01:43.596 --> 00:01:45.395 historical analog for the moment

NOTE Confidence: 0.9008612207004

00:01:45.395 --> 00:01:47.495 that we find ourselves in today.

NOTE Confidence: 0.9008612207004

00:01:47.500 --> 00:01:49.964 So I'm going to speak about that.

NOTE Confidence: 0.9008612207004

00:01:49.970 --> 00:01:52.427 I also want to thank Karen Cold,

NOTE Confidence: 0.9008612207004

00:01:52.430 --> 00:01:54.894 who you had a chance to see.

NOTE Confidence: 0.9008612207004

00:01:54.900 --> 00:01:57.812 I'm Sam Ann Todd Sanderson for helping

NOTE Confidence: 0.9008612207004

00:01:57.812 --> 00:02:00.772 to figure out what it means to do a

NOTE Confidence: 0.9008612207004

00:02:00.772 --> 00:02:04.052 web and R or to make a gathering at a

NOTE Confidence: 0.9008612207004

00:02:04.052 --> 00:02:07.130 time like this when it's so hard to be

NOTE Confidence: 0.9008612207004

00:02:07.130 --> 00:02:09.680 together before I dive into my lecture,

NOTE Confidence: 0.9008612207004

00:02:09.680 --> 00:02:13.270 I do want to say that it's difficult to know.

NOTE Confidence: 0.9008612207004

00:02:13.270 --> 00:02:15.628 How to connect with you when

NOTE Confidence: 0.9008612207004

00:02:15.628 --> 00:02:17.550 I cannot see you um,

NOTE Confidence: 0.9008612207004

00:02:17.550 --> 00:02:20.654 especially in this moment when so many uhm?

NOTE Confidence: 0.9008612207004

00:02:20.660 --> 00:02:23.186 Americans and people around the world

NOTE Confidence: 0.9008612207004

00:02:23.186 --> 00:02:25.563 are engaged in struggles for survival

NOTE Confidence: 0.9008612207004

00:02:25.563 --> 00:02:28.059 not only in the face of the novel

NOTE Confidence: 0.9008612207004

00:02:28.131 --> 00:02:30.777 coronavirus that emerge late last year,

NOTE Confidence: 0.9008612207004

00:02:30.780 --> 00:02:33.115 but the systemic racism that

NOTE Confidence: 0.9008612207004

00:02:33.115 --> 00:02:34.983 has raged for centuries.

NOTE Confidence: 0.9008612207004

00:02:34.990 --> 00:02:39.720 And what I'd like you to know before I begin.

NOTE Confidence: 0.921033143997192

00:02:40.890 --> 00:02:42.370 Is that I'm grieving

NOTE Confidence: 0.921033143997192

00:02:42.370 --> 00:02:45.682 right now? Um, for my black and from friends,

NOTE Confidence: 0.921033143997192

4

00:02:45.690 --> 00:02:46.426 colleagues, students,

NOTE Confidence: 0.921033143997192

00:02:46.426 --> 00:02:48.270 and fellow citizens, I'm grieving

NOTE Confidence: 0.921033143997192

00:02:48.270 --> 00:02:50.120 for healthcare and essential workers.

NOTE Confidence: 0.921033143997192

00:02:50.120 --> 00:02:52.437 I'm grieving for all of those whose

NOTE Confidence: 0.921033143997192

00:02:52.437 --> 00:02:54.799 lives and dreams have been upended by

NOTE Confidence: 0.921033143997192

00:02:54.799 --> 00:02:57.410 the failures of our leaders to provide

NOTE Confidence: 0.921033143997192

00:02:57.410 --> 00:02:59.743 adequate protection, let alone care.

NOTE Confidence: 0.921033143997192

00:02:59.743 --> 00:03:03.246 And I just want to confess that I'm not

NOTE Confidence: 0.921033143997192

00:03:03.246 --> 00:03:06.230 confident that what I have to tell you

NOTE Confidence: 0.921033143997192

00:03:06.320 --> 00:03:09.569 is what most needs to be said right now,

NOTE Confidence: 0.921033143997192

00:03:09.570 --> 00:03:11.978 or that I'm the voice you most need

NOTE Confidence: 0.921033143997192

00:03:11.978 --> 00:03:15.108 to hear today on a day when people are

NOTE Confidence: 0.921033143997192

00:03:15.108 --> 00:03:17.359 protesting and have been protesting.

NOTE Confidence: 0.921033143997192

00:03:17.360 --> 00:03:19.754 But I am confident that bioethicists and

NOTE Confidence: 0.921033143997192

00:03:19.754 --> 00:03:22.555 those of you who are here listening have

NOTE Confidence: 0.921033143997192

00:03:22.555 --> 00:03:25.216 an important role to play in ensuring

NOTE Confidence: 0.921033143997192

00:03:25.216 --> 00:03:27.874 that medicine fulfills its best potentials.

NOTE Confidence: 0.921033143997192

00:03:27.880 --> 00:03:29.890 And so ioffer the following

NOTE Confidence: 0.921033143997192

00:03:29.890 --> 00:03:31.900 remarks that in a spirit,

NOTE Confidence: 0.921033143997192

00:03:31.900 --> 00:03:34.890 both of humility and solidarity.

NOTE Confidence: 0.921033143997192

00:03:34.890 --> 00:03:37.518 And as we dive into the past,

NOTE Confidence: 0.921033143997192

00:03:37.520 --> 00:03:40.288 I want to ask you to consider questions

NOTE Confidence: 0.921033143997192

00:03:40.288 --> 00:03:43.418 that are at once both ethical in terms of

NOTE Confidence: 0.921033143997192

00:03:43.418 --> 00:03:46.168 what should we do and epistemological.

NOTE Confidence: 0.921033143997192

00:03:46.170 --> 00:03:48.798 How do we know what we know?

NOTE Confidence: 0.921033143997192

00:03:48.800 --> 00:03:51.808 How do we even know what counts is

NOTE Confidence: 0.921033143997192

00:03:51.808 --> 00:03:52.560 a question?

NOTE Confidence: 0.921033143997192

00:03:52.560 --> 00:03:54.947 What does it mean to equate addressing

NOTE Confidence: 0.921033143997192

00:03:54.947 --> 00:03:57.269 a global pandemic solely with defining

NOTE Confidence: 0.921033143997192

00:03:57.269 --> 00:03:59.324 and eradicating a nonhuman virus?

NOTE Confidence: 0.921033143997192

00:03:59.330 --> 00:04:02.705 This is a thread I'm going to focus on.

NOTE Confidence: 0.921033143997192

00:04:02.710 --> 00:04:03.814 What aspects, then,

NOTE Confidence: 0.921033143997192

00:04:03.814 --> 00:04:06.022 has of Health and illness has

NOTE Confidence: 0.921033143997192

00:04:06.022 --> 00:04:07.660 COVID-19 exposed that won't?

NOTE Confidence: 0.921033143997192

00:04:07.660 --> 00:04:11.066 Be able to be addressed by a vaccine

NOTE Confidence: 0.921033143997192

00:04:11.066 --> 00:04:13.860 or even a mutation of the viral

NOTE Confidence: 0.921033143997192

00:04:13.860 --> 00:04:16.610 agent to a less deadly form.

NOTE Confidence: 0.921033143997192

00:04:16.610 --> 00:04:17.032 Moreover,

NOTE Confidence: 0.921033143997192

00:04:17.032 --> 00:04:19.564 what kinds of research practices in

NOTE Confidence: 0.921033143997192

00:04:19.564 --> 00:04:21.318 relationships have been celebrated

NOTE Confidence: 0.921033143997192

00:04:21.318 --> 00:04:23.850 in the effort to understand pandemics

NOTE Confidence: 0.921033143997192

00:04:23.850 --> 00:04:25.550 solely in biological terms?

NOTE Confidence: 0.921033143997192

00:04:25.550 --> 00:04:27.270 This is to say,

NOTE Confidence: 0.921033143997192

00:04:27.270 --> 00:04:29.850 when we imagine that COVID-19 is.

NOTE Confidence: 0.921033143997192

00:04:29.850 --> 00:04:32.666 The pandemic that the virus is the pandemic.

NOTE Confidence: 0.921033143997192

00:04:32.670 --> 00:04:35.334 What other kinds of factors are we not

NOTE Confidence: 0.921033143997192

00:04:35.334 --> 00:04:37.352 including the equation and how does

7

NOTE Confidence: 0.921033143997192

00:04:37.352 --> 00:04:39.749 that change the way we think about

NOTE Confidence: 0.921033143997192

00:04:39.749 --> 00:04:42.167 what a bioethical conversation can be?

NOTE Confidence: 0.921033143997192

00:04:42.170 --> 00:04:44.210 And so intimately related to this

NOTE Confidence: 0.921033143997192

00:04:44.210 --> 00:04:46.748 is the question of who defines what.

NOTE Confidence: 0.921033143997192

00:04:46.750 --> 00:04:47.803 Questions are prioritized.

NOTE Confidence: 0.921033143997192

00:04:47.803 --> 00:04:49.909 We've heard a lot of talk,

NOTE Confidence: 0.921033143997192

00:04:49.910 --> 00:04:52.902 and I've heard a lot of my colleagues

NOTE Confidence: 0.921033143997192

00:04:52.902 --> 00:04:55.011 and bioethics on news and the

NOTE Confidence: 0.921033143997192

00:04:55.011 --> 00:04:56.943 radio being asked to a pine,

NOTE Confidence: 0.921033143997192

00:04:56.950 --> 00:05:00.146 not just when might we have a vaccine, but.

NOTE Confidence: 0.921033143997192

00:05:00.146 --> 00:05:02.778 You know what are the kinds of

NOTE Confidence: 0.921033143997192

00:05:02.778 --> 00:05:04.419 ethical questions involved with

NOTE Confidence: 0.921033143997192

00:05:04.419 --> 00:05:06.449 human trials and so forth,

NOTE Confidence: 0.921033143997192

00:05:06.450 --> 00:05:08.018 and those are important

NOTE Confidence: 0.921033143997192

00:05:08.018 --> 00:05:09.194 and crucial questions,

NOTE Confidence: 0.921033143997192

00:05:09.200 --> 00:05:11.671 but my contention is that they don't

NOTE Confidence: 0.921033143997192

00:05:11.671 --> 00:05:14.011 go nearly far enough to encompass

NOTE Confidence: 0.921033143997192

00:05:14.011 --> 00:05:16.021 the issues that bioethicists are

NOTE Confidence: 0.921033143997192

00:05:16.021 --> 00:05:18.600 in a position to reckon with,

NOTE Confidence: 0.921033143997192

00:05:18.600 --> 00:05:21.057 so I hope that what I'm going

NOTE Confidence: 0.921033143997192

00:05:21.057 --> 00:05:23.309 to say will inspire that,

NOTE Confidence: 0.921033143997192

00:05:23.310 --> 00:05:26.294 and I want to be clear that I

NOTE Confidence: 0.921033143997192

00:05:26.294 --> 00:05:27.982 wholeheartedly support efforts to

NOTE Confidence: 0.921033143997192

00:05:27.982 --> 00:05:30.568 understand and alleviate the kind of.

NOTE Confidence: 0.921033143997192

00:05:30.570 --> 00:05:31.252 Biroll virology,

NOTE Confidence: 0.921033143997192

00:05:31.252 --> 00:05:33.980 uhm of Cobit but I also want to

NOTE Confidence: 0.921033143997192

00:05:34.057 --> 00:05:37.193 emphasize as the charter of the World

NOTE Confidence: 0.921033143997192

00:05:37.193 --> 00:05:39.402 Health Organization makes clear that

NOTE Confidence: 0.921033143997192

00:05:39.402 --> 00:05:42.167 health is a state of complete physical,

NOTE Confidence: 0.921033143997192

00:05:42.170 --> 00:05:44.865 mental and social well being and not

NOTE Confidence: 0.921033143997192

00:05:44.865 --> 00:05:47.770 merely the absence of disease or infirmity.

NOTE Confidence: 0.921033143997192

00:05:47.770 --> 00:05:50.514 So I want you to think about that

NOTE Confidence: 0.921033143997192

00:05:50.514 --> 00:05:52.408 and perhaps consider the ways

NOTE Confidence: 0.921033143997192

00:05:52.408 --> 00:05:55.026 in which that mandate is not in

NOTE Confidence: 0.936831772327423

00:05:55.108 --> 00:05:57.904 alignment with the United States policy

NOTE Confidence: 0.936831772327423

00:05:57.904 --> 00:06:00.784 and probably can help to explain Why.

NOTE Confidence: 0.936831772327423

00:06:00.784 --> 00:06:02.812 President Trump no longer wishes for

NOTE Confidence: 0.936831772327423

00:06:02.812 --> 00:06:04.956 the United States to be a member.

NOTE Confidence: 0.936831772327423

00:06:04.960 --> 00:06:08.083 OK, last kind of comment before I dive in

NOTE Confidence: 0.936831772327423

00:06:08.083 --> 00:06:11.469 is to say um acknowledge the his the work

NOTE Confidence: 0.936831772327423

00:06:11.469 --> 00:06:14.123 of other um historians and journalists

NOTE Confidence: 0.936831772327423

00:06:14.123 --> 00:06:17.378 that I'm building on in this lecture.

NOTE Confidence: 0.936831772327423

00:06:17.378 --> 00:06:19.410 In particular, I'm drawing

NOTE Confidence: 0.936831772327423

00:06:19.410 --> 00:06:21.950 on two really dynamic works.

NOTE Confidence: 0.936831772327423

00:06:21.950 --> 00:06:24.550 John berries, the great influenza,

NOTE Confidence: 0.936831772327423

00:06:24.550 --> 00:06:27.670 which is just harrowing and gripping,

NOTE Confidence: 0.936831772327423

00:06:27.670 --> 00:06:31.310 especially right now and also Gina colada,

NOTE Confidence: 0.936831772327423

00:06:31.310 --> 00:06:35.012 a really renowned Reporter and science

NOTE Confidence: 0.936831772327423

00:06:35.012 --> 00:06:38.728 journalist whose stories about the kind of

NOTE Confidence: 0.936831772327423

00:06:38.728 --> 00:06:42.230 hunt for the virus are going to animate.

NOTE Confidence: 0.936831772327423

00:06:42.230 --> 00:06:47.766 A lot of what I'm talking about today.

NOTE Confidence: 0.936831772327423

00:06:47.770 --> 00:06:49.750 When historians think about the past,

NOTE Confidence: 0.936831772327423

00:06:49.750 --> 00:06:50.677 uhm, you know,

NOTE Confidence: 0.936831772327423

00:06:50.677 --> 00:06:53.257 we look for change overtime to see what

NOTE Confidence: 0.936831772327423

00:06:53.257 --> 00:06:55.686 is the difference between then and now,

NOTE Confidence: 0.936831772327423

00:06:55.690 --> 00:06:58.330 and the lecture that I'm giving you is

NOTE Confidence: 0.936831772327423

00:06:58.330 --> 00:07:00.965 one that I have often version of it.

NOTE Confidence: 0.936831772327423

00:07:00.970 --> 00:07:03.028 I've often given to Undergrads and

NOTE Confidence: 0.936831772327423

00:07:03.028 --> 00:07:05.383 yell college as part of a class

NOTE Confidence: 0.936831772327423

00:07:05.383 --> 00:07:06.903 on history of global health.

NOTE Confidence: 0.936831772327423

00:07:06.910 --> 00:07:09.220 And when I give that when I've

NOTE Confidence: 0.936831772327423

00:07:09.220 --> 00:07:10.210 given that lecture,

NOTE Confidence: 0.936831772327423

00:07:10.210 --> 00:07:12.415 they had no framework for understanding what

NOTE Confidence: 0.936831772327423

00:07:12.415 --> 00:07:15.156 it meant to live through a global pandemic.

NOTE Confidence: 0.936831772327423

00:07:15.160 --> 00:07:17.816 And when I was preparing for this webinar.

NOTE Confidence: 0.936831772327423

00:07:17.820 --> 00:07:21.470 I was going back to my materials and I was

NOTE Confidence: 0.936831772327423

00:07:21.566 --> 00:07:25.045 shocked at how much continuity there is.

NOTE Confidence: 0.936831772327423

00:07:25.050 --> 00:07:28.866 I was surprised to feel the ways in which,

NOTE Confidence: 0.936831772327423

00:07:28.870 --> 00:07:31.366 even though it's a different agent

NOTE Confidence: 0.936831772327423

00:07:31.366 --> 00:07:33.550 and we're in different times,

NOTE Confidence: 0.936831772327423

00:07:33.550 --> 00:07:36.413 many of the kind of social dimensions

NOTE Confidence: 0.936831772327423

00:07:36.413 --> 00:07:38.649 of the pandemic are similar,

NOTE Confidence: 0.936831772327423

00:07:38.650 --> 00:07:42.290 so that's what I'm going to explore.

NOTE Confidence: 0.936831772327423

00:07:42.290 --> 00:07:45.658 There are a lot of places I could

NOTE Confidence: 0.936831772327423

00:07:45.658 --> 00:07:47.170 begin this story,

NOTE Confidence: 0.936831772327423

00:07:47.170 --> 00:07:50.346 but I'm going to start in a little

NOTE Confidence: 0.936831772327423

00:07:50.346 --> 00:07:53.390 town called Brevig Mission in Alaska.

NOTE Confidence: 0.936831772327423

00:07:53.390 --> 00:07:56.407 This is an Inuit village that in

NOTE Confidence: 0.936831772327423

00:07:56.407 --> 00:07:59.552 1918 had about 80 adults, 50 kids.

NOTE Confidence: 0.936831772327423

00:07:59.552 --> 00:08:03.600 It was 90 miles by dog sled from Gnome,

NOTE Confidence: 0.936831772327423

00:08:03.600 --> 00:08:06.264 which was the nearest town and

NOTE Confidence: 0.936831772327423

00:08:06.264 --> 00:08:08.040 on the last Saturday.

NOTE Confidence: 0.936831772327423

00:08:08.040 --> 00:08:09.652 in November of 1918,

NOTE Confidence: 0.936831772327423

00:08:09.652 --> 00:08:11.667 two visitors from Gnome attended

NOTE Confidence: 0.936831772327423

00:08:11.667 --> 00:08:13.830 a crowded church service.

NOTE Confidence: 0.936831772327423

00:08:13.830 --> 00:08:17.050 In a tiny Chapel run by missionaries.

NOTE Confidence: 0.936831772327423

00:08:17.050 --> 00:08:18.730 The visitors were treated

NOTE Confidence: 0.936831772327423

00:08:18.730 --> 00:08:19.990 with traditional hospitality,

NOTE Confidence: 0.936831772327423

00:08:19.990 --> 00:08:22.510 a feast for the entire village.

NOTE Confidence: 0.936831772327423

00:08:22.510 --> 00:08:25.260 In return, they spread flu.

NOTE Confidence: 0.936831772327423

00:08:25.260 --> 00:08:28.380 Two days later, the first villagers fell ill.

NOTE Confidence: 0.936831772327423

00:08:28.380 --> 00:08:29.160 by Tuesday,

NOTE Confidence: 0.936831772327423

00:08:29.160 --> 00:08:32.280 the 1st person died and within three weeks,

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NOTE Confidence: 0.936831772327423

00:08:32.280 --> 00:08:33.146 71 more.

NOTE Confidence: 0.936831772327423

00:08:33.146 --> 00:08:33.579 Remember,

NOTE Confidence: 0.936831772327423

00:08:33.579 --> 00:08:37.120 this is an Inuit village of 80 adults

NOTE Confidence: 0.936831772327423

00:08:37.120 --> 00:08:38.380 and 50 kids.

NOTE Confidence: 0.936831772327423

00:08:38.380 --> 00:08:39.262 In one igloo,

NOTE Confidence: 0.936831772327423

00:08:39.262 --> 00:08:41.320 25 bodies were found frozen in the

NOTE Confidence: 0.936831772327423

00:08:41.391 --> 00:08:43.323 Arctic cold and by the time the

NOTE Confidence: 0.936831772327423

00:08:43.323 --> 00:08:45.321 fluid run its course in brevetted

NOTE Confidence: 0.936831772327423

00:08:45.321 --> 00:08:47.316 killed 90% of the town's population.

NOTE Confidence: 0.936831772327423

00:08:47.316 --> 00:08:49.200 The few able bodied men that

NOTE Confidence: 0.936831772327423

00:08:49.260 --> 00:08:51.036 could be found in nearby villages

NOTE Confidence: 0.936831772327423

00:08:51.036 --> 00:08:52.810 were left to Bury the dead.

NOTE Confidence: 0.936831772327423

00:08:52.810 --> 00:08:54.728 The villages were so far North and

NOTE Confidence: 0.936831772327423

00:08:54.728 --> 00:08:56.955 this is going to be crucial that

NOTE Confidence: 0.936831772327423

00:08:56.955 --> 00:08:58.635 the ground was permanently frozen.

NOTE Confidence: 0.936831772327423

00:08:58.640 --> 00:09:01.403 In order to dig into the rock hard ground,

NOTE Confidence: 0.936831772327423

00:09:01.410 --> 00:09:03.573 miners had to pump steam into the

NOTE Confidence: 0.936831772327423

00:09:03.573 --> 00:09:05.700 permafrost so they could dig a trench.

NOTE Confidence: 0.936831772327423

00:09:05.700 --> 00:09:07.863 There were so many corpses that they

NOTE Confidence: 0.936831772327423

00:09:07.863 --> 00:09:10.407 had to be buried in a mass grave.

NOTE Confidence: 0.936831772327423

00:09:10.410 --> 00:09:13.210 A pit 2 meters deep and then

NOTE Confidence: 0.936831772327423

00:09:13.210 --> 00:09:14.410 recovered with permafrost.

NOTE Confidence: 0.91491574048996

00:09:14.410 --> 00:09:17.875 Among the dead was a woman who's frozen body

NOTE Confidence: 0.91491574048996

00:09:17.875 --> 00:09:21.399 lay 6 feet underground in the mass graves,

NOTE Confidence: 0.91491574048996

00:09:21.400 --> 00:09:25.618 where remain for 70 years until.

NOTE Confidence: 0.91491574048996

00:09:25.620 --> 00:09:27.292 Emboldened by access to

NOTE Confidence: 0.91491574048996

00:09:27.292 --> 00:09:28.546 new genetic technology,

NOTE Confidence: 0.91491574048996

00:09:28.550 --> 00:09:32.054 is scientists decided to dig it up to

NOTE Confidence: 0.91491574048996

00:09:32.054 --> 00:09:35.930 see if the 1918 flu was still there?

NOTE Confidence: 0.91491574048996

00:09:35.930 --> 00:09:38.317 Now before we jump into that recent,

NOTE Confidence: 0.91491574048996

00:09:38.320 --> 00:09:40.539 more recent past, let's try to get

00:09:40.539 --> 00:09:42.992 a better idea of what people knew

00:09:42.992 --> 00:09:45.134 about the flu during the outbreak,

00:09:45.140 --> 00:09:49.118 what it was like to live during that time.

00:09:49.120 --> 00:09:51.836 And although the first cases were actually

00:09:51.836 --> 00:09:54.573 registered in the Continental USA and the

00:09:54.573 --> 00:09:57.479 rest of Europe long before getting to Spain,

00:09:57.480 --> 00:09:59.000 the 1918 pandemic received

00:09:59.000 --> 00:10:00.520 its moniker Spanish blue.

00:10:00.520 --> 00:10:02.608 Because Spain a neutral country during

00:10:02.608 --> 00:10:05.687 World War One had no censorship of news

00:10:05.687 --> 00:10:08.111 regarding the disease and its consequences.

00:10:08.120 --> 00:10:09.640 the Spanish King Alfonso,

00:10:09.640 --> 00:10:11.540 the eight became gravely ill,

00:10:11.540 --> 00:10:14.081 and he was the highest profile patient

00:10:14.081 --> 00:10:16.099 about whom there was coverage.

00:10:16.100 --> 00:10:18.368 Hence the widest and most reliable

NOTE Confidence: 0.91491574048996

00:10:18.368 --> 00:10:20.340 news coverage came from Spain.

NOTE Confidence: 0.91491574048996

00:10:20.340 --> 00:10:22.536 Thus, giving the false impression that

NOTE Confidence: 0.91491574048996

00:10:22.536 --> 00:10:24.693 Spain was most affected think about

NOTE Confidence: 0.91491574048996

00:10:24.693 --> 00:10:26.898 the effort to try to label COVID-19,

NOTE Confidence: 0.91491574048996

00:10:26.900 --> 00:10:27.995 the Chinese virus.

NOTE Confidence: 0.91491574048996

00:10:27.995 --> 00:10:30.550 We can see the kind of geopolitical

NOTE Confidence: 0.91491574048996

00:10:30.624 --> 00:10:31.640 tensions there.

NOTE Confidence: 0.91491574048996

00:10:31.640 --> 00:10:33.938 OK, basic knowledge that maybe many

NOTE Confidence: 0.91491574048996

00:10:33.938 --> 00:10:36.742 of you know already the virus circled

NOTE Confidence: 0.91491574048996

00:10:36.742 --> 00:10:38.334 the globe three times.

NOTE Confidence: 0.91491574048996

00:10:38.340 --> 00:10:41.484 I won't kind of read through these waves,

NOTE Confidence: 0.91491574048996

00:10:41.490 --> 00:10:44.283 but it's it's sort of remarkable to

NOTE Confidence: 0.91491574048996

00:10:44.283 --> 00:10:46.608 imagine the swiftness of that travel.

NOTE Confidence: 0.91491574048996

00:10:46.610 --> 00:10:49.368 But to also think about what that's

NOTE Confidence: 0.91491574048996

00:10:49.368 --> 00:10:50.550 going to mean,

NOTE Confidence: 0.91491574048996

00:10:50.550 --> 00:10:52.965 or what that kind of circularity means

NOTE Confidence: 0.91491574048996

00:10:52.965 --> 00:10:56.069 in our even more intensely connected day.

NOTE Confidence: 0.91491574048996

00:10:56.070 --> 00:10:59.094 I won't make too much more of a

NOTE Confidence: 0.91491574048996

00:10:59.094 --> 00:11:02.430 comment on this, but just to say that.

NOTE Confidence: 0.91491574048996

00:11:02.430 --> 00:11:07.038 This went on for some time and you may

NOTE Confidence: 0.91491574048996

00:11:07.038 --> 00:11:11.249 have heard the statistics that the.

NOTE Confidence: 0.91491574048996

00:11:11.250 --> 00:11:13.902 Pandemic um lead to more deaths

NOTE Confidence: 0.91491574048996

00:11:13.902 --> 00:11:17.269 than uhm were lost in World War One.

NOTE Confidence: 0.91491574048996

00:11:17.270 --> 00:11:18.467 Though estimates vary.

NOTE Confidence: 0.91491574048996

00:11:18.467 --> 00:11:20.861 The flu 1918 flu killed about

NOTE Confidence: 0.91491574048996

00:11:20.861 --> 00:11:22.430 50 million people.

NOTE Confidence: 0.91491574048996

00:11:22.430 --> 00:11:24.150 Although I've seen estimates

NOTE Confidence: 0.91491574048996

00:11:24.150 --> 00:11:26.300 as high as 100 million,

NOTE Confidence: 0.91491574048996

00:11:26.300 --> 00:11:28.020 but let's say conservatively,

NOTE Confidence: 0.91491574048996

00:11:28.020 --> 00:11:29.310 50 million people,

NOTE Confidence: 0.91491574048996

00:11:29.310 --> 00:11:31.890 including 675 thousand in the US,

NOTE Confidence: 0.91491574048996

00:11:31.890 --> 00:11:35.146 up to 40% of the world population was

NOTE Confidence: 0.91491574048996

00:11:35.146 --> 00:11:38.770 thought to have been stricken at one point.

NOTE Confidence: 0.91491574048996

00:11:38.770 --> 00:11:40.920 More deaths than the World

NOTE Confidence: 0.91491574048996

00:11:40.920 --> 00:11:42.210 War that immediately.

NOTE Confidence: 0.91491574048996

00:11:42.210 --> 00:11:44.354 Preceded it an indeed.

NOTE Confidence: 0.91491574048996

00:11:44.354 --> 00:11:47.570 When historians have tried to make

NOTE Confidence: 0.91491574048996

00:11:47.672 --> 00:11:51.255 sense of why the 1918 flu was so, um,

NOTE Confidence: 0.91491574048996

00:11:51.255 --> 00:11:55.055 very late, why it caused so much death,

NOTE Confidence: 0.91491574048996

00:11:55.060 --> 00:11:57.580 they've had a lot of different

NOTE Confidence: 0.91491574048996

00:11:57.580 --> 00:12:00.300 a lot of different hypothesis,

NOTE Confidence: 0.91491574048996

00:12:00.300 --> 00:12:03.284 but one that came to the fore was

NOTE Confidence: 0.91491574048996

00:12:03.284 --> 00:12:06.402 the idea that it had exploited

NOTE Confidence: 0.91491574048996

00:12:06.402 --> 00:12:09.816 vulnerabilities in nations ravaged by war.

NOTE Confidence: 0.91491574048996

00:12:09.820 --> 00:12:12.240 And so I've been thinking.

NOTE Confidence: 0.91491574048996

00:12:12.240 --> 00:12:14.004 A lot about this dimension of

NOTE Confidence: 0.91491574048996

00:12:14.004 --> 00:12:15.476 the 1918 pandemic, alot war.

NOTE Confidence: 0.91491574048996

00:12:15.476 --> 00:12:16.648 What would it mean?

NOTE Confidence: 0.91491574048996

00:12:16.650 --> 00:12:18.318 This is just a question I'm

NOTE Confidence: 0.91491574048996

00:12:18.318 --> 00:12:19.880 going to put out there.

NOTE Confidence: 0.91491574048996

00:12:19.880 --> 00:12:21.644 I'm not going to cash it

NOTE Confidence: 0.91491574048996

00:12:21.644 --> 00:12:23.710 out in the rest of the top,

NOTE Confidence: 0.91491574048996

00:12:23.710 --> 00:12:25.468 but we can discuss it later.

NOTE Confidence: 0.91491574048996

00:12:25.470 --> 00:12:28.200 I just want to ask like what would it mean

NOTE Confidence: 0.91491574048996

00:12:28.265 --> 00:12:31.055 for us to understand our own moment as one?

NOTE Confidence: 0.91491574048996

00:12:31.060 --> 00:12:32.525 That's the product of war

NOTE Confidence: 0.91491574048996

00:12:32.525 --> 00:12:33.404 since September 11th.

NOTE Confidence: 0.91491574048996

00:12:33.410 --> 00:12:34.875 the United States has been

NOTE Confidence: 0.91491574048996

00:12:34.875 --> 00:12:36.047 engaged in overseas warfare.

NOTE Confidence: 0.930270910263062

00:12:36.050 --> 00:12:37.226 Unlike World War One,

NOTE Confidence: 0.930270910263062

00:12:37.226 --> 00:12:38.990 many Americans aren't forced to confront

NOTE Confidence: 0.930270910263062

20

00:12:39.040 --> 00:12:40.720 the violence of these military engagements

NOTE Confidence: 0.930270910263062

00:12:40.720 --> 00:12:42.600 in a daily basis that sometimes.

NOTE Confidence: 0.930270910263062

00:12:42.600 --> 00:12:45.848 We forget even that were in it at

NOTE Confidence: 0.930270910263062

00:12:45.848 --> 00:12:49.009 war because it's gone on for so long.

NOTE Confidence: 0.930270910263062

00:12:49.010 --> 00:12:52.826 Ah, OK, this is just for you to see.

NOTE Confidence: 0.930270910263062

00:12:52.830 --> 00:12:54.950 Um, spitting was became the

NOTE Confidence: 0.930270910263062

00:12:54.950 --> 00:12:57.070 new sort of deadly weapon.

NOTE Confidence: 0.930270910263062

00:12:57.070 --> 00:12:59.374 Uhm, and, uh, we see people

NOTE Confidence: 0.930270910263062

00:12:59.374 --> 00:13:01.730 arrested for spitting on sidewalks.

NOTE Confidence: 0.930270910263062

00:13:01.730 --> 00:13:04.106 Uhm, don't spit influenza.

NOTE Confidence: 0.930270910263062

00:13:04.106 --> 00:13:07.020 Uhm, but you know.

NOTE Confidence: 0.930270910263062

00:13:07.020 --> 00:13:08.106 Our colleagues now,

NOTE Confidence: 0.930270910263062

00:13:08.106 --> 00:13:10.278 who treat veterans at the VA,

NOTE Confidence: 0.930270910263062

00:13:10.280 --> 00:13:12.786 are acutely aware of the forms of

NOTE Confidence: 0.930270910263062

00:13:12.786 --> 00:13:14.280 physical and psychological suffering

NOTE Confidence: 0.930270910263062

00:13:14.280 --> 00:13:16.428 that face those who have served,

NOTE Confidence: 0.930270910263062

00:13:16.430 --> 00:13:18.500 and we know that federal funding

NOTE Confidence: 0.930270910263062

00:13:18.500 --> 00:13:20.341 federal funding for defense spending

NOTE Confidence: 0.930270910263062

00:13:20.341 --> 00:13:21.532 has significantly outweighed

NOTE Confidence: 0.930270910263062

00:13:21.532 --> 00:13:23.914 support for health care and the

NOTE Confidence: 0.930270910263062

00:13:23.976 --> 00:13:25.926 kinds of social support that

NOTE Confidence: 0.930270910263062

00:13:25.926 --> 00:13:27.486 ensure improved health outcomes.

NOTE Confidence: 0.930270910263062

00:13:27.490 --> 00:13:28.576 Um, for instance,

NOTE Confidence: 0.930270910263062

00:13:28.576 --> 00:13:30.748 how might we differently understand the

NOTE Confidence: 0.930270910263062

00:13:30.748 --> 00:13:33.329 opioid epidemic that's rage during this time?

NOTE Confidence: 0.930270910263062

00:13:33.330 --> 00:13:36.453 If we consider it as a kind of collateral

NOTE Confidence: 0.930270910263062

00:13:36.453 --> 00:13:38.793 damage of a nation traumatized by

NOTE Confidence: 0.930270910263062

00:13:38.793 --> 00:13:41.728 decades of war that happen out of sight,

NOTE Confidence: 0.930270910263062

00:13:41.730 --> 00:13:44.098 and the slide that I'm showing you here

NOTE Confidence: 0.930270910263062

00:13:44.098 --> 00:13:46.756 is a kind of invitation for soldiers

NOTE Confidence: 0.930270910263062

00:13:46.756 --> 00:13:49.604 who are suffering from what was then

NOTE Confidence: 0.930270910263062

00:13:49.604 --> 00:13:51.579 the new condition of Shellshock.

NOTE Confidence: 0.930270910263062

00:13:51.580 --> 00:13:54.568 In many ways of precursor to Pete ESD to

NOTE Confidence: 0.930270910263062

00:13:54.568 --> 00:13:57.417 deal with these new kinds of injuries,

NOTE Confidence: 0.930270910263062

00:13:57.420 --> 00:13:59.116 injuries that were invisible.

NOTE Confidence: 0.930270910263062

00:13:59.116 --> 00:14:01.660 And it's not surprising that military

NOTE Confidence: 0.930270910263062

00:14:01.730 --> 00:14:04.341 metaphors then have come to define the

NOTE Confidence: 0.930270910263062

00:14:04.341 --> 00:14:06.610 response to COVID-19 with health care.

NOTE Confidence: 0.930270910263062

00:14:06.610 --> 00:14:08.475 Workers asked to risk their

NOTE Confidence: 0.930270910263062

00:14:08.475 --> 00:14:10.340 lives on the front lines.

NOTE Confidence: 0.930270910263062

00:14:10.340 --> 00:14:11.832 Do the critical shortages

NOTE Confidence: 0.930270910263062

00:14:11.832 --> 00:14:14.070 of PP and the virus itself.

NOTE Confidence: 0.930270910263062

00:14:14.070 --> 00:14:16.302 Cast is an invisible enemy terrorizing

NOTE Confidence: 0.930270910263062

00:14:16.302 --> 00:14:19.400 Americans, and which must be vanquished.

NOTE Confidence: 0.930270910263062

00:14:19.400 --> 00:14:21.950 OK, so you're seeing, um,

NOTE Confidence: 0.930270910263062

00:14:21.950 --> 00:14:23.934 some of these parallels?

NOTE Confidence: 0.930270910263062

00:14:23.934 --> 00:14:27.520 What maybe is less clear with all

NOTE Confidence: 0.930270910263062

00:14:27.520 --> 00:14:30.600 the focus on physicians, is that,

NOTE Confidence: 0.930270910263062

00:14:30.600 --> 00:14:33.660 UM, in 1918 the profession of

NOTE Confidence: 0.930270910263062

00:14:33.660 --> 00:14:35.700 nursing was relatively new.

NOTE Confidence: 0.930270910263062

00:14:35.700 --> 00:14:36.128 Nurses,

NOTE Confidence: 0.930270910263062

00:14:36.128 --> 00:14:37.412 particularly those connected

NOTE Confidence: 0.930270910263062

00:14:37.412 --> 00:14:39.552 with the venue Red Cross,

NOTE Confidence: 0.930270910263062

00:14:39.560 --> 00:14:41.580 became a new profession,

NOTE Confidence: 0.930270910263062

00:14:41.580 --> 00:14:44.610 and nurses were recruited from volunteers

NOTE Confidence: 0.930270910263062

00:14:44.689 --> 00:14:47.443 amongst the women whose husbands and

NOTE Confidence: 0.930270910263062

00:14:47.443 --> 00:14:50.198 sometimes sons had gone off to war.

NOTE Confidence: 0.930270910263062

00:14:50.200 --> 00:14:50.585 Here,

NOTE Confidence: 0.930270910263062

00:14:50.585 --> 00:14:53.677 even as the war reached its end, uhm,

NOTE Confidence: 0.930270910263062

00:14:53.677 --> 00:14:56.059 nurses were faced with caring for

NOTE Confidence: 0.930270910263062

00:14:56.059 --> 00:14:58.670 soldiers who contracted flu in army barracks.

NOTE Confidence: 0.930270910263062

00:14:58.670 --> 00:15:01.542 and I put this slide up to see

NOTE Confidence: 0.930270910263062

00:15:01.542 --> 00:15:02.910 the same masks.

NOTE Confidence: 0.930270910263062

00:15:02.910 --> 00:15:05.088 This sort of low tech technology

NOTE Confidence: 0.930270910263062

00:15:05.088 --> 00:15:07.909 that we are all relying on today.

NOTE Confidence: 0.930270910263062

00:15:07.910 --> 00:15:10.990 Here's a kind of early version of that.

NOTE Confidence: 0.930270910263062

00:15:10.990 --> 00:15:12.915 They also public spaces were

NOTE Confidence: 0.930270910263062

00:15:12.915 --> 00:15:14.455 converted into makeshift hospitals,

NOTE Confidence: 0.930270910263062

00:15:14.460 --> 00:15:17.004 and I know that many of you in

NOTE Confidence: 0.930270910263062

00:15:17.004 --> 00:15:19.515 the Yale community saw this image

NOTE Confidence: 0.930270910263062

00:15:19.515 --> 00:15:22.203 that was posted back in March.

NOTE Confidence: 0.930270910263062

00:15:22.210 --> 00:15:25.647 Hospital beds lined up to make a

NOTE Confidence: 0.930270910263062

00:15:25.647 --> 00:15:28.351 reserve field hospital in a in a

NOTE Confidence: 0.930270910263062

00:15:28.351 --> 00:15:30.872 in a in a gymnasium at Yale and

NOTE Confidence: 0.930270910263062

00:15:30.872 --> 00:15:33.728 I think many of us who had seen

NOTE Confidence: 0.930270910263062

00:15:33.730 --> 00:15:36.028 images like this one were really.

NOTE Confidence: 0.930270910263062

00:15:36.030 --> 00:15:38.676 This was a wake up call that

NOTE Confidence: 0.930270910263062

00:15:38.676 --> 00:15:41.419 wow this is going to be big.

00:15:41.420 --> 00:15:43.370 And just as we've heard terrifying

00:15:43.370 --> 00:15:45.968 stories of what it meant to have covid,

00:15:45.970 --> 00:15:49.220 this is an account from a nurse back in 1918.

00:15:49.220 --> 00:15:50.099 N Josie Brown,

00:15:50.099 --> 00:15:51.857 who served at the Naval Hospital

00:15:51.857 --> 00:15:53.449 in Great Lakes Illinois.

00:15:53.450 --> 00:15:54.425 Is, she remarked,

00:15:54.425 --> 00:15:56.700 we didn't have time to treat them.

00:15:56.700 --> 00:15:57.924 We didn't take temperatures,

00:15:57.924 --> 00:15:59.454 we didn't even have time

00:15:59.454 --> 00:16:00.919 to take blood pressure.

00:16:00.920 --> 00:16:02.545 You would give them a

00:16:02.545 --> 00:16:03.845 little hot whiskey toddy.

00:16:03.850 --> 00:16:06.450 That's about all we had time to do.

00:16:06.450 --> 00:16:08.718 They would have terrific nosebleeds with it,

00:16:08.720 --> 00:16:10.350 with cope with 1918 flu,

NOTE Confidence: 0.907003104686737

00:16:10.350 --> 00:16:11.802 sometimes the blood would

NOTE Confidence: 0.907003104686737

00:16:11.802 --> 00:16:13.617 just shoot across the room.

NOTE Confidence: 0.907003104686737

00:16:13.620 --> 00:16:16.028 To get out of the way or someone's

NOTE Confidence: 0.907003104686737

00:16:16.028 --> 00:16:17.570 nose bleed all over you.

NOTE Confidence: 0.907003104686737

00:16:17.570 --> 00:16:20.099 And many of those who died did so by

NOTE Confidence: 0.907003104686737

00:16:20.099 --> 00:16:22.128 drowning in their own bodily fluids,

NOTE Confidence: 0.907003104686737

00:16:22.130 --> 00:16:24.530 and I hesitated whether or not to share

NOTE Confidence: 0.907003104686737

00:16:24.530 --> 00:16:26.689 this passage because it is so gruesome.

NOTE Confidence: 0.907003104686737

00:16:26.690 --> 00:16:28.514 But I think that it's important

NOTE Confidence: 0.907003104686737

00:16:28.514 --> 00:16:30.326 for us to remember, you know,

NOTE Confidence: 0.907003104686737

00:16:30.326 --> 00:16:31.816 the violence of these deaths

NOTE Confidence: 0.907003104686737

00:16:31.816 --> 00:16:33.080 that are happening today.

NOTE Confidence: 0.907003104686737

00:16:33.080 --> 00:16:35.194 Similar kinds of deaths out of Sight.

NOTE Confidence: 0.907003104686737

00:16:35.200 --> 00:16:36.145 Without you know,

NOTE Confidence: 0.907003104686737

00:16:36.145 --> 00:16:38.035 our ability to really understand what's

NOTE Confidence: 0.907003104686737

00:16:38.035 --> 00:16:39.757 going on inside inside the words.

NOTE Confidence: 0.907003104686737

00:16:39.760 --> 00:16:42.200 If we're not physicians when I say we,

NOTE Confidence: 0.907003104686737

00:16:42.200 --> 00:16:44.048 I mean historians, not physicians like.

NOTE Confidence: 0.907003104686737

00:16:44.050 --> 00:16:45.640 My partner uhm?

NOTE Confidence: 0.907003104686737

00:16:45.640 --> 00:16:47.230 In cities across

NOTE Confidence: 0.898100793361664

00:16:47.230 --> 00:16:49.470 the nation, black people struck

NOTE Confidence: 0.898100793361664

00:16:49.470 --> 00:16:51.710 by flu were often left

NOTE Confidence: 0.898100793361664

00:16:51.710 --> 00:16:53.502 to fend for themselves.

NOTE Confidence: 0.898100793361664

00:16:53.510 --> 00:16:55.845 They receive substandard care and

NOTE Confidence: 0.898100793361664

00:16:55.845 --> 00:16:58.666 segregated hospitals where they could be

NOTE Confidence: 0.898100793361664

00:16:58.666 --> 00:17:01.150 relegated to close quarters in basements.

NOTE Confidence: 0.898100793361664

00:17:01.150 --> 00:17:04.205 Or they were only allowed

NOTE Confidence: 0.898100793361664

00:17:04.205 --> 00:17:07.260 admittance to black only hospitals.

NOTE Confidence: 0.898100793361664

00:17:07.260 --> 00:17:09.498 We've lost at least twenty 1750

NOTE Confidence: 0.898100793361664

00:17:09.498 --> 00:17:11.599 black lives to COVID-19 to date,

NOTE Confidence: 0.898100793361664

00:17:11.600 --> 00:17:14.240 and I you can see here that there's

NOTE Confidence: 0.898100793361664

00:17:14.240 --> 00:17:16.953 black people are dying at a rate nearly

NOTE Confidence: 0.898100793361664

00:17:16.953 --> 00:17:19.928 two times higher than their population share.

NOTE Confidence: 0.898100793361664

00:17:19.930 --> 00:17:22.096 If you're interested, I don't know.

NOTE Confidence: 0.898100793361664

00:17:22.100 --> 00:17:25.358 I think you can probably click on this link.

NOTE Confidence: 0.898100793361664

00:17:25.360 --> 00:17:27.526 I tried to make them accessible,

NOTE Confidence: 0.898100793361664

00:17:27.530 --> 00:17:30.092 but Jacoby tracking.com if you want

NOTE Confidence: 0.898100793361664

00:17:30.092 --> 00:17:32.929 to dive into some of this data.

NOTE Confidence: 0.898100793361664

00:17:32.930 --> 00:17:37.346 It wasn't just um, black people,

NOTE Confidence: 0.898100793361664

00:17:37.350 --> 00:17:42.330 but um, indigenous Americans, uhm.

NOTE Confidence: 0.898100793361664

00:17:42.330 --> 00:17:45.794 Are now and then dying incredibly high rates.

NOTE Confidence: 0.898100793361664

00:17:45.800 --> 00:17:48.476 This is from a Navajo Nation

NOTE Confidence: 0.898100793361664

00:17:48.476 --> 00:17:51.009 project and I think it was.

NOTE Confidence: 0.898100793361664

00:17:51.010 --> 00:17:54.048 Yeah I did this two days ago.

NOTE Confidence: 0.898100793361664

00:17:54.050 --> 00:17:56.654 Um, 5 hundred 5317 cases in

NOTE Confidence: 0.898100793361664

00:17:56.654 --> 00:17:58.390 the Navajo Nation alone.

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NOTE Confidence: 0.898100793361664

00:17:58.390 --> 00:18:02.305 Some of you might have seen Nick Kristof op

NOTE Confidence: 0.898100793361664

00:18:02.305 --> 00:18:06.630 Ed a couple days ago in the New York Times,

NOTE Confidence: 0.898100793361664

00:18:06.630 --> 00:18:09.132 where he pointed out that American

NOTE Confidence: 0.898100793361664

00:18:09.132 --> 00:18:10.800 Indian reservations are the

NOTE Confidence: 0.898100793361664

00:18:10.874 --> 00:18:12.758 most intense covid hotspots.

NOTE Confidence: 0.898100793361664

00:18:12.760 --> 00:18:15.226 Um, so going back to 1918.

NOTE Confidence: 0.898100793361664

00:18:15.230 --> 00:18:17.876 Um, you see some of the circumstances

NOTE Confidence: 0.898100793361664

00:18:17.876 --> 00:18:20.569 that laid the groundwork for that.

NOTE Confidence: 0.898100793361664

00:18:20.570 --> 00:18:22.625 You have American Indian indigenous

NOTE Confidence: 0.898100793361664

00:18:22.625 --> 00:18:24.269 peoples living on reservations.

NOTE Confidence: 0.898100793361664

00:18:24.270 --> 00:18:26.736 Many of the young people were

NOTE Confidence: 0.898100793361664

00:18:26.736 --> 00:18:27.969 at boarding schools.

NOTE Confidence: 0.898100793361664

00:18:27.970 --> 00:18:30.025 Um, and we're not talking

NOTE Confidence: 0.898100793361664

00:18:30.025 --> 00:18:32.080 about boarding schools like um,

NOTE Confidence: 0.898100793361664

00:18:32.080 --> 00:18:32.482 Exeter,

NOTE Confidence: 0.898100793361664

00:18:32.482 --> 00:18:33.286 or Andover,

NOTE Confidence: 0.898100793361664

00:18:33.286 --> 00:18:35.296 and we're talking about schools

NOTE Confidence: 0.898100793361664

00:18:35.296 --> 00:18:37.392 that were designed to separate

NOTE Confidence: 0.898100793361664

00:18:37.392 --> 00:18:39.840 children from their families so that

NOTE Confidence: 0.898100793361664

00:18:39.840 --> 00:18:42.362 they could be forced to assimilate

NOTE Confidence: 0.898100793361664

00:18:42.362 --> 00:18:44.402 cultures that were punished for.

NOTE Confidence: 0.898100793361664

00:18:44.410 --> 00:18:45.514 Engaging in there.

NOTE Confidence: 0.898100793361664

00:18:45.514 --> 00:18:46.986 Um, indigenous language practices

NOTE Confidence: 0.898100793361664

00:18:46.986 --> 00:18:48.090 and traditional practices,

NOTE Confidence: 0.898100793361664

00:18:48.090 --> 00:18:50.298 and this was what you know.

NOTE Confidence: 0.898100793361664

00:18:50.300 --> 00:18:53.603 If a parent was lucky or family was lucky,

NOTE Confidence: 0.898100793361664

00:18:53.610 --> 00:18:55.704 they might get a telegram like

NOTE Confidence: 0.898100793361664

00:18:55.704 --> 00:18:58.029 this one that says Lucy Antone,

NOTE Confidence: 0.898100793361664

00:18:58.030 --> 00:18:59.870 ill with pneumonia following influenza.

NOTE Confidence: 0.898100793361664

00:18:59.870 --> 00:19:00.602 Seems serious.

NOTE Confidence: 0.898100793361664

00:19:00.602 --> 00:19:02.066 Please advise her mother,

NOTE Confidence: 0.898100793361664

00:19:02.070 --> 00:19:04.162 Catherine Antonick San Tan.

NOTE Confidence: 0.898100793361664

00:19:04.162 --> 00:19:06.777 Now these came via telegram,

NOTE Confidence: 0.898100793361664

00:19:06.780 --> 00:19:10.776 but there was a lot of anxiety even about

NOTE Confidence: 0.898100793361664

00:19:10.776 --> 00:19:13.480 communicating that lines would be hacked.

NOTE Confidence: 0.898100793361664

00:19:13.480 --> 00:19:15.720 And here I've transcribed this.

NOTE Confidence: 0.898100793361664

00:19:15.720 --> 00:19:18.429 This is a document that was produced

NOTE Confidence: 0.898100793361664

00:19:18.429 --> 00:19:21.529 by the US public health service,

NOTE Confidence: 0.898100793361664

00:19:21.530 --> 00:19:24.458 a telegraphic code for the use of the

NOTE Confidence: 0.898100793361664

00:19:24.458 --> 00:19:26.759 United States public health service

NOTE Confidence: 0.898100793361664

00:19:26.759 --> 00:19:29.735 so that there could be information

NOTE Confidence: 0.898100793361664

00:19:29.735 --> 00:19:32.190 communicated so that without inciting

NOTE Confidence: 0.898100793361664

00:19:32.190 --> 00:19:34.545 panics and without inciting fears.

NOTE Confidence: 0.898100793361664

00:19:34.550 --> 00:19:36.734 And I think this is interesting

NOTE Confidence: 0.898100793361664

00:19:36.734 --> 00:19:38.940 for a lot of reasons,

NOTE Confidence: 0.898100793361664

00:19:38.940 --> 00:19:40.878 but in particular because it pre

NOTE Confidence: 0.898100793361664

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00:19:40.878 --> 00:19:43.938 sage is a way of the ways in

NOTE Confidence: 0.898100793361664

00:19:43.938 --> 00:19:45.626 which our communication systems

NOTE Confidence: 0.898100793361664

00:19:45.626 --> 00:19:48.116 are sometimes surveilled, or um,

NOTE Confidence: 0.898100793361664

00:19:48.116 --> 00:19:50.902 used to make data or obscured data,

NOTE Confidence: 0.898100793361664

00:19:50.910 --> 00:19:53.878 and I felt like there was a lot

NOTE Confidence: 0.898100793361664

00:19:53.878 --> 00:19:56.099 of darkness in this lecture,

NOTE Confidence: 0.898100793361664

00:19:56.100 --> 00:19:58.732 and at this midpoint I wanted to

NOTE Confidence: 0.898100793361664

00:19:58.732 --> 00:20:01.736 talk about some of the ways in

NOTE Confidence: 0.898100793361664

00:20:01.736 --> 00:20:03.524 which efforts more contemporary

NOTE Confidence: 0.898100793361664

00:20:03.524 --> 00:20:05.678 efforts to try to use our.

NOTE Confidence: 0.898100793361664

00:20:05.680 --> 00:20:08.753 Some sort of smart phones to track

NOTE Confidence: 0.898100793361664

00:20:08.753 --> 00:20:11.208 and make knowledge about epidemic

NOTE Confidence: 0.898100793361664

00:20:11.208 --> 00:20:13.787 fevers has failed back, uh,

NOTE Confidence: 0.898100793361664

00:20:13.787 --> 00:20:17.603 let's say I think it was in 2012.

NOTE Confidence: 0.898100793361664

00:20:17.610 --> 00:20:20.613 There was a really big push to

NOTE Confidence: 0.898100793361664

00:20:20.613 --> 00:20:22.850 try to use Twitter,

NOTE Confidence: 0.898100793361664

00:20:22.850 --> 00:20:25.616 which was then relatively new to

NOTE Confidence: 0.898100793361664

00:20:25.616 --> 00:20:27.460 identify where emerging outbreaks

NOTE Confidence: 0.907524049282074

00:20:27.532 --> 00:20:30.484 were happening, and so they started

NOTE Confidence: 0.907524049282074

00:20:30.484 --> 00:20:32.388 tracking keywords like fever.

NOTE Confidence: 0.907524049282074

00:20:32.390 --> 00:20:37.220 And in 2012 there was a big spike in fever.

NOTE Confidence: 0.907524049282074

00:20:37.220 --> 00:20:40.910 Which led to a lot of frenzy and flurry

NOTE Confidence: 0.907524049282074

00:20:40.910 --> 00:20:44.789 until it was revealed that it was actually,

NOTE Confidence: 0.907524049282074

00:20:44.790 --> 00:20:47.010 uhm, Bieber fever, Justin Bieber.

NOTE Confidence: 0.907524049282074

00:20:47.010 --> 00:20:48.850 Uhm, then younger, uh,

NOTE Confidence: 0.907524049282074

00:20:48.850 --> 00:20:50.690 more babyfaced popstar than

NOTE Confidence: 0.907524049282074

00:20:50.690 --> 00:20:53.850 he is now was, uhm, you know?

NOTE Confidence: 0.907524049282074

00:20:53.850 --> 00:20:55.850 Scrambling the scrambling the

NOTE Confidence: 0.907524049282074

00:20:55.850 --> 00:20:58.110 epidemiological signal, if you will,

NOTE Confidence: 0.907524049282074

00:20:58.110 --> 00:21:01.050 and if you're interested this an article

NOTE Confidence: 0.907524049282074

00:21:01.134 --> 00:21:03.906 that I posted here in the Atlantic,

NOTE Confidence: 0.907524049282074

00:21:03.910 --> 00:21:06.040 and there's actually been several

NOTE Confidence: 0.907524049282074

00:21:06.040 --> 00:21:07.744 data science papers published

NOTE Confidence: 0.907524049282074

00:21:07.744 --> 00:21:09.410 about the mathematical models

NOTE Confidence: 0.907524049282074

00:21:09.410 --> 00:21:12.071 of kind of social virality, so.

NOTE Confidence: 0.907524049282074

00:21:12.071 --> 00:21:15.526 Bieber fever. There you go.

NOTE Confidence: 0.907524049282074

00:21:15.530 --> 00:21:16.660 Um but.

NOTE Confidence: 0.912877678871155

00:21:19.170 --> 00:21:22.010 Here we see back in 1918 the ways at the

NOTE Confidence: 0.912877678871155

00:21:22.082 --> 00:21:24.770 question of preparedness and how people

NOTE Confidence: 0.912877678871155

00:21:24.770 --> 00:21:26.870 were actually dealing on the ground.

NOTE Confidence: 0.912877678871155

00:21:26.870 --> 00:21:29.670 We're not so different than they are today.

NOTE Confidence: 0.912877678871155

00:21:29.670 --> 00:21:31.420 This was in the newspaper.

NOTE Confidence: 0.912877678871155

00:21:31.420 --> 00:21:33.170 This one page actually has

NOTE Confidence: 0.912877678871155

00:21:33.170 --> 00:21:34.920 so much information on it,

NOTE Confidence: 0.912877678871155

00:21:34.920 --> 00:21:37.132 but I want you to direct your

NOTE Confidence: 0.912877678871155

00:21:37.132 --> 00:21:39.120 attention to the lead headline,

NOTE Confidence: 0.912877678871155

00:21:39.120 --> 00:21:40.870 which is give us beds.

NOTE Confidence: 0.912877678871155

00:21:40.870 --> 00:21:43.320 Bedding is the plea of flu hospital.

NOTE Confidence: 0.912877678871155

00:21:43.320 --> 00:21:45.721 You can see, you know I won't

NOTE Confidence: 0.912877678871155

00:21:45.721 --> 00:21:47.870 have to rehearse for you again.

NOTE Confidence: 0.912877678871155

00:21:47.870 --> 00:21:50.018 This shortage of of P PE.

NOTE Confidence: 0.912877678871155

00:21:50.020 --> 00:21:52.974 And here is an image of an

NOTE Confidence: 0.912877678871155

00:21:52.974 --> 00:21:54.810 emergency nurse on this.

NOTE Confidence: 0.912877678871155

00:21:54.810 --> 00:21:57.115 She's actually a Spanish nurse

NOTE Confidence: 0.912877678871155

00:21:57.115 --> 00:22:00.336 dressed in garbage bags and a loaned

NOTE Confidence: 0.912877678871155

00:22:00.336 --> 00:22:03.234 mask from a private company at an

NOTE Confidence: 0.912877678871155

00:22:03.234 --> 00:22:05.385 emergency entrance door of the

NOTE Confidence: 0.912877678871155

00:22:05.385 --> 00:22:07.869 UM San Jorge Hospital in Spain.

NOTE Confidence: 0.912877678871155

00:22:07.870 --> 00:22:10.102 I don't want to go back to that

NOTE Confidence: 0.912877678871155

00:22:10.102 --> 00:22:11.943 same image because you'll see

NOTE Confidence: 0.912877678871155

00:22:11.943 --> 00:22:13.968 there's a couple of interesting

NOTE Confidence: 0.912877678871155

00:22:13.968 --> 00:22:16.412 other like Subheads on the bottom

NOTE Confidence: 0.912877678871155

00:22:16.412 --> 00:22:18.367 actor stranded because of flu.

NOTE Confidence: 0.912877678871155

00:22:18.370 --> 00:22:20.180 Do we remember Tom Hanks?

NOTE Confidence: 0.912877678871155

00:22:20.180 --> 00:22:23.068 Uhm, the first sort of celebrity covid case,

NOTE Confidence: 0.912877678871155

00:22:23.070 --> 00:22:25.134 but here this idea of vaccine

NOTE Confidence: 0.912877678871155

00:22:25.134 --> 00:22:27.060 to go to camps first,

NOTE Confidence: 0.912877678871155

00:22:27.060 --> 00:22:29.314 this headline is a little bit misleading

NOTE Confidence: 0.912877678871155

00:22:29.314 --> 00:22:31.570 because no one ever succeeded in

NOTE Confidence: 0.912877678871155

00:22:31.570 --> 00:22:33.210 producing a successful vaccine.

NOTE Confidence: 0.912877678871155

00:22:33.210 --> 00:22:33.992 Doctors tried,

NOTE Confidence: 0.912877678871155

00:22:33.992 --> 00:22:35.947 but later admitted that they

NOTE Confidence: 0.912877678871155

00:22:35.947 --> 00:22:37.825 were essentially just mash ups

NOTE Confidence: 0.912877678871155

00:22:37.825 --> 00:22:39.415 of blood in sputum injected.

NOTE Confidence: 0.912877678871155

00:22:39.420 --> 00:22:41.334 And because people reported that their

NOTE Confidence: 0.912877678871155

00:22:41.334 --> 00:22:43.399 arms really hurt after the injection,

NOTE Confidence: 0.912877678871155

00:22:43.400 --> 00:22:45.724 they were thought to have some efficacy.

NOTE Confidence: 0.912877678871155

00:22:45.730 --> 00:22:48.242 So we start to think about the kinds

NOTE Confidence: 0.912877678871155

00:22:48.242 --> 00:22:49.945 of desperate measures that people

NOTE Confidence: 0.912877678871155

00:22:49.945 --> 00:22:52.683 turn to in the search for cures to

NOTE Confidence: 0.912877678871155

00:22:52.683 --> 00:22:55.021 manage a new kind of infectious agent

NOTE Confidence: 0.912877678871155

00:22:55.021 --> 00:22:57.676 that people are not sure what it is.

NOTE Confidence: 0.912877678871155

00:22:57.680 --> 00:23:00.352 and I haven't even pointed out yet that

NOTE Confidence: 0.912877678871155

00:23:00.352 --> 00:23:02.659 people didn't know what virus that did.

NOTE Confidence: 0.912877678871155

00:23:02.660 --> 00:23:04.472 They were not speaking in the

NOTE Confidence: 0.912877678871155

00:23:04.472 --> 00:23:06.472 language of viruses at 1918 there

NOTE Confidence: 0.912877678871155

00:23:06.472 --> 00:23:08.297 was something that was spreading.

NOTE Confidence: 0.912877678871155

00:23:08.300 --> 00:23:10.030 They knew that it was.

NOTE Confidence: 0.912877678871155

00:23:10.030 --> 00:23:12.080 Going from person to person,

NOTE Confidence: 0.912877678871155

00:23:12.080 --> 00:23:14.894 but there wasn't the same language or

NOTE Confidence: 0.912877678871155

00:23:14.894 --> 00:23:17.820 the different kind of language of viral

NOTE Confidence: 0.912877678871155

00:23:17.820 --> 00:23:20.280 precision that we are talking about.

NOTE Confidence: 0.912877678871155

00:23:20.280 --> 00:23:23.560 Today I wanted to put this up here.

NOTE Confidence: 0.912877678871155

00:23:23.560 --> 00:23:24.536 This is.

NOTE Confidence: 0.912877678871155

00:23:24.536 --> 00:23:25.024 Remember,

NOTE Confidence: 0.912877678871155

00:23:25.024 --> 00:23:25.512 um,

NOTE Confidence: 0.912877678871155

00:23:25.512 --> 00:23:28.440 the recommendation or the the suggestion

NOTE Confidence: 0.912877678871155

00:23:28.520 --> 00:23:31.214 that bleach consuming bleach might be

NOTE Confidence: 0.912877678871155

00:23:31.214 --> 00:23:34.719 used to help prevent infection with Covid?

NOTE Confidence: 0.912877678871155

00:23:34.720 --> 00:23:37.924 And this is an announcement that

NOTE Confidence: 0.912877678871155

00:23:37.924 --> 00:23:40.636 the World Health Organization had

NOTE Confidence: 0.912877678871155

00:23:40.636 --> 00:23:43.576 to put out to counter political

NOTE Confidence: 0.912877678871155

00:23:43.576 --> 00:23:45.979 information that lead people to

NOTE Confidence: 0.912877678871155

00:23:45.979 --> 00:23:48.493 take on these kinds of tours.

NOTE Confidence: 0.912877678871155

00:23:48.500 --> 00:23:49.928 An you know,

NOTE Confidence: 0.912877678871155

00:23:49.928 --> 00:23:52.784 we're all aware of multiple others

NOTE Confidence: 0.912877678871155

00:23:52.784 --> 00:23:57.958 that are perhaps. Uh, less uhm?

NOTE Confidence: 0.912877678871155

00:23:57.960 --> 00:23:59.698 Obviously dangerous, uhm,

NOTE Confidence: 0.912877678871155

00:23:59.698 --> 00:24:04.810 but we can see lots of different kinds of,

NOTE Confidence: 0.912877678871155

00:24:04.810 --> 00:24:09.920 um, false tours being being advertised so.

NOTE Confidence: 0.912877678871155

00:24:09.920 --> 00:24:11.990 I've talked a lot about the

NOTE Confidence: 0.912877678871155

00:24:11.990 --> 00:24:13.370 kind of health experience,

NOTE Confidence: 0.912877678871155

00:24:13.370 --> 00:24:15.100 but as we see today,

NOTE Confidence: 0.912877678871155

00:24:15.100 --> 00:24:17.860 the 1918 flu infected social life as well.

NOTE Confidence: 0.912877678871155

00:24:17.860 --> 00:24:21.310 This is a kind of like a jump rope song,

NOTE Confidence: 0.912877678871155

00:24:21.310 --> 00:24:23.320 like a little like Diddy that

NOTE Confidence: 0.912877678871155

00:24:23.320 --> 00:24:25.430 kids would play would sing if

NOTE Confidence: 0.912877678871155

00:24:25.430 --> 00:24:27.170 they were on the playgrounds,

NOTE Confidence: 0.912877678871155

00:24:27.170 --> 00:24:29.585 but they couldn't go to playgrounds and

NOTE Confidence: 0.912877678871155

00:24:29.585 --> 00:24:32.350 I don't know like what the melody was.

NOTE Confidence: 0.912877678871155

00:24:32.350 --> 00:24:32.683 Uhm,

NOTE Confidence: 0.912877678871155

00:24:32.683 --> 00:24:34.681 but you could imagine you know

NOTE Confidence: 0.912877678871155

00:24:34.681 --> 00:24:35.680 kids sort of

NOTE Confidence: 0.919135093688965

00:24:35.759 --> 00:24:38.090 jumping rope and we can think back

NOTE Confidence: 0.919135093688965

00:24:38.090 --> 00:24:40.349 to songs even like ring around.

NOTE Confidence: 0.919135093688965

00:24:40.350 --> 00:24:44.046 The Rosie pocket full of Posey Ashes Ashes.

NOTE Confidence: 0.919135093688965

00:24:44.050 --> 00:24:47.860 We all fall down as a saw as a sort

NOTE Confidence: 0.919135093688965

00:24:47.975 --> 00:24:51.895 of song from an earlier played time.

NOTE Confidence: 0.919135093688965

00:24:51.900 --> 00:24:54.528 It'll be interesting to see what

NOTE Confidence: 0.919135093688965

00:24:54.528 --> 00:24:56.980 kinds of youth phenomena emerged.

NOTE Confidence: 0.919135093688965

00:24:56.980 --> 00:24:58.824 Of course. Playgrounds, again,

NOTE Confidence: 0.919135093688965

00:24:58.824 --> 00:25:02.690 still closed, and we see these kinds of.

NOTE Confidence: 0.919135093688965

00:25:02.690 --> 00:25:05.819 Facets of the epidemic creeping in to

NOTE Confidence: 0.919135093688965

00:25:05.819 --> 00:25:09.175 children's lives and in ways that will leave

NOTE Confidence: 0.919135093688965

00:25:09.175 --> 00:25:12.340 marks that are really hard to reckon with.

NOTE Confidence: 0.919135093688965

00:25:12.340 --> 00:25:15.750 Adjusted my last point on the question

NOTE Confidence: 0.919135093688965

00:25:15.750 --> 00:25:18.175 of like the cultural practice,

NOTE Confidence: 0.919135093688965

00:25:18.180 --> 00:25:21.589 this is the kind of announcement that

NOTE Confidence: 0.919135093688965

00:25:21.589 --> 00:25:24.998 you would see, you know, go home,

NOTE Confidence: 0.919135093688965

00:25:24.998 --> 00:25:29.297 go to bed until you are, well, stay home.

NOTE Confidence: 0.919135093688965

00:25:29.297 --> 00:25:32.051 These are the kinds of signs

NOTE Confidence: 0.919135093688965

00:25:32.051 --> 00:25:34.259 that we see everywhere.

NOTE Confidence: 0.919135093688965

00:25:34.260 --> 00:25:38.238 If you if you go outside.

NOTE Confidence: 0.919135093688965

00:25:38.240 --> 00:25:41.345 And this was just an image of a theater.

NOTE Confidence: 0.919135093688965

00:25:41.350 --> 00:25:43.420 So like you know we allot

NOTE Confidence: 0.919135093688965

00:25:43.420 --> 00:25:44.800 and Broadway went dark.

NOTE Confidence: 0.919135093688965

00:25:44.800 --> 00:25:46.204 Uhm, that was uh,

NOTE Confidence: 0.919135093688965

00:25:46.204 --> 00:25:48.310 a really another kind of signal

NOTE Confidence: 0.919135093688965

00:25:48.389 --> 00:25:50.469 moment of what was happening.

NOTE Confidence: 0.919135093688965

00:25:50.470 --> 00:25:52.160 So.

NOTE Confidence: 0.919135093688965

00:25:52.160 --> 00:25:54.694 What I've been trying to show you

NOTE Confidence: 0.919135093688965

00:25:54.694 --> 00:25:57.195 then is that there are tremendous

NOTE Confidence: 0.919135093688965

00:25:57.195 --> 00:25:59.760 continuity's uhm between what we're

NOTE Confidence: 0.919135093688965

00:25:59.760 --> 00:26:02.661 living through now and what Americans

NOTE Confidence: 0.919135093688965

00:26:02.661 --> 00:26:05.235 lived through over 100 years ago.

NOTE Confidence: 0.919135093688965

00:26:05.240 --> 00:26:07.420 What was unusual was different.

NOTE Confidence: 0.919135093688965

00:26:07.420 --> 00:26:10.036 It seems about the 1918 flu.

NOTE Confidence: 0.919135093688965

00:26:10.040 --> 00:26:13.576 Is that those who appeared to have stronger

NOTE Confidence: 0.919135093688965

00:26:13.576 --> 00:26:16.139 immune systems were at greater risk.

NOTE Confidence: 0.919135093688965

00:26:16.140 --> 00:26:19.652 So people who were in the prime of

NOTE Confidence: 0.919135093688965

00:26:19.652 --> 00:26:22.959 their health and perhaps were seen as.

NOTE Confidence: 0.919135093688965

00:26:22.960 --> 00:26:26.096 Having every reason, uhm to be healthy.

NOTE Confidence: 0.919135093688965

00:26:26.100 --> 00:26:26.528 Uhm,

NOTE Confidence: 0.919135093688965

00:26:26.528 --> 00:26:29.096 were being struck down and scientist

NOTE Confidence: 0.919135093688965

00:26:29.096 --> 00:26:31.919 some have since posited or considered

NOTE Confidence: 0.919135093688965

00:26:31.919 --> 00:26:34.847 that this was because the disease

NOTE Confidence: 0.919135093688965

00:26:34.847 --> 00:26:37.062 triggered an overreaction by the

NOTE Confidence: 0.919135093688965

00:26:37.062 --> 00:26:39.986 immune system that could cause a young

NOTE Confidence: 0.919135093688965

00:26:39.986 --> 00:26:42.216 person's immune system against itself.

NOTE Confidence: 0.919135093688965

00:26:42.220 --> 00:26:44.908 What we call the cytokine storm,

NOTE Confidence: 0.919135093688965

00:26:44.910 --> 00:26:48.046 and we've heard some about that today.

NOTE Confidence: 0.919135093688965

00:26:48.050 --> 00:26:50.738 But as I pointed out there,

NOTE Confidence: 0.919135093688965

00:26:50.740 --> 00:26:53.010 we didn't have a language

NOTE Confidence: 0.919135093688965

00:26:53.010 --> 00:26:55.280 of viruses or virality in.

NOTE Confidence: 0.919135093688965

00:26:55.280 --> 00:26:58.269 1918, and the idea of germ theory

NOTE Confidence: 0.919135093688965

00:26:58.269 --> 00:27:01.039 itself had only just taken hold,

NOTE Confidence: 0.919135093688965

00:27:01.040 --> 00:27:04.134 so there was a lot of contestation.

NOTE Confidence: 0.919135093688965

00:27:04.140 --> 00:27:07.676 what I think is really interesting is that,

NOTE Confidence: 0.919135093688965

00:27:07.680 --> 00:27:08.115 UM.

NOTE Confidence: 0.919135093688965

00:27:08.115 --> 00:27:10.725 When I've taught this lecture before,

NOTE Confidence: 0.919135093688965

00:27:10.730 --> 00:27:11.780 UM, covid, uhm,

NOTE Confidence: 0.919135093688965

00:27:11.780 --> 00:27:14.230 the students are very astounded there like,

NOTE Confidence: 0.919135093688965

00:27:14.230 --> 00:27:15.980 well, of course you know,

NOTE Confidence: 0.919135093688965

00:27:15.980 --> 00:27:17.030 like you know,

NOTE Confidence: 0.919135093688965

00:27:17.030 --> 00:27:19.480 now that we know that you know,

NOTE Confidence: 0.919135093688965

00:27:19.480 --> 00:27:21.860 we know about viruses and we have

NOTE Confidence: 0.919135093688965

00:27:21.860 --> 00:27:23.680 completely adopted the germ theory.

NOTE Confidence: 0.919135093688965

00:27:23.680 --> 00:27:26.480 You know this isn't this isn't an issue,

NOTE Confidence: 0.919135093688965

00:27:26.480 --> 00:27:28.580 but of course what we're seeing

NOTE Confidence: 0.919135093688965

00:27:28.580 --> 00:27:29.630 now during code.

NOTE Confidence: 0.919135093688965

00:27:29.630 --> 00:27:32.318 That is the way in which science and

NOTE Confidence: 0.919135093688965

00:27:32.318 --> 00:27:33.830 medical information is contested,

NOTE Confidence: 0.919135093688965

00:27:33.830 --> 00:27:36.683 and it might lead us to ask is the

NOTE Confidence: 0.919135093688965

00:27:36.683 --> 00:27:39.778 germ theory is accepted as we who are.

NOTE Confidence: 0.919135093688965

00:27:39.780 --> 00:27:43.076 Fluent in the Sciences might wish it were.

NOTE Confidence: 0.919135093688965

00:27:43.080 --> 00:27:45.866 What does it mean for a theory

NOTE Confidence: 0.919135093688965

00:27:45.866 --> 00:27:48.854 to be accepted if people in the

NOTE Confidence: 0.919135093688965

00:27:48.854 --> 00:27:51.760 public are not going to embrace it,

NOTE Confidence: 0.919135093688965

00:27:51.760 --> 00:27:53.910 especially when it comes to

NOTE Confidence: 0.919135093688965

00:27:53.910 --> 00:27:55.630 something like public health?

NOTE Confidence: 0.919135093688965

00:27:55.630 --> 00:27:59.554 So just to kind of bring a little more

NOTE Confidence: 0.919135093688965

00:27:59.554 --> 00:28:03.169 precision to what I'm trying to say in 1918,

00:28:03.170 --> 00:28:05.678 the agent couldn't be seen with

00:28:05.678 --> 00:28:07.780 the microscopes at the time.

00:28:07.780 --> 00:28:09.880 There were no electron microscopes,

00:28:09.880 --> 00:28:12.540 couldn't be studied by the culture method

00:28:12.540 --> 00:28:15.719 that have been effective for bacteria, right?

00:28:15.719 --> 00:28:18.911 Trying to grow it in culture and amplify

00:28:18.911 --> 00:28:22.695 it so that we could study it and could only

00:28:22.695 --> 00:28:25.860 could only be carefully studied through.

00:28:25.860 --> 00:28:27.930 Animal models, and with serological tests.

00:28:27.930 --> 00:28:29.660 And, you know, we're hearing.

00:28:29.660 --> 00:28:32.152 Also today, we still don't know if

00:28:32.152 --> 00:28:34.828 people had coded and didn't get a test.

00:28:34.830 --> 00:28:37.245 Are they immune? Are they not immune?

00:28:37.250 --> 00:28:39.230 You can see what's going on

00:28:39.230 --> 00:28:41.040 here as the epidemic waned.

00:28:41.040 --> 00:28:43.110 It was thought that the flu

NOTE Confidence: 0.902359187602997

00:28:43.110 --> 00:28:44.490 microorganism died out too.

NOTE Confidence: 0.902359187602997

00:28:44.490 --> 00:28:46.905 Gone from the face of the Earth,

NOTE Confidence: 0.902359187602997

00:28:46.910 --> 00:28:48.968 the biological mystery of the flu

NOTE Confidence: 0.902359187602997

00:28:48.968 --> 00:28:51.426 would be was beyond the powers of

NOTE Confidence: 0.902359187602997

00:28:51.426 --> 00:28:53.454 Science and medicine at the time,

NOTE Confidence: 0.902359187602997

00:28:53.460 --> 00:28:55.338 and it would take the emergence

NOTE Confidence: 0.902359187602997

00:28:55.338 --> 00:28:57.260 of a science of virology.

NOTE Confidence: 0.902359187602997

00:28:57.260 --> 00:29:00.078 And this is Richard Shoup, some of you.

NOTE Confidence: 0.902359187602997

00:29:00.078 --> 00:29:02.272 May be familiar with him, um,

NOTE Confidence: 0.902359187602997

00:29:02.272 --> 00:29:03.720 who determined that influenza

NOTE Confidence: 0.902359187602997

00:29:03.720 --> 00:29:05.530 was caused by a virus,

NOTE Confidence: 0.902359187602997

00:29:05.530 --> 00:29:08.057 but by the time he was working,

NOTE Confidence: 0.902359187602997

00:29:08.060 --> 00:29:10.594 you see he wasn't even he would.

NOTE Confidence: 0.902359187602997

00:29:10.600 --> 00:29:12.766 He lived through the 1918 flu,

NOTE Confidence: 0.902359187602997

00:29:12.770 --> 00:29:15.482 but it was already gone by the time

47

NOTE Confidence: 0.902359187602997

00:29:15.482 --> 00:29:18.022 he had the expertise to study it

NOTE Confidence: 0.902359187602997

00:29:18.022 --> 00:29:21.040 and he he began to think, you know,

NOTE Confidence: 0.902359187602997

00:29:21.040 --> 00:29:23.385 if the virus that caused it could

NOTE Confidence: 0.902359187602997

00:29:23.385 --> 00:29:25.438 somehow be recovered and studied,

NOTE Confidence: 0.902359187602997

00:29:25.440 --> 00:29:27.270 scientists might learn something about

NOTE Confidence: 0.902359187602997

00:29:27.270 --> 00:29:30.159 why it was so deadly and this became.

NOTE Confidence: 0.902359187602997

00:29:30.160 --> 00:29:31.630 A dominant preoccupation

NOTE Confidence: 0.902359187602997

00:29:31.630 --> 00:29:33.100 of biomedical research,

NOTE Confidence: 0.902359187602997

00:29:33.100 --> 00:29:34.402 researchers for the.

NOTE Confidence: 0.902359187602997

00:29:34.402 --> 00:29:37.006 Second half of the 20th century,

NOTE Confidence: 0.902359187602997

00:29:37.010 --> 00:29:39.236 right up to the present and after

NOTE Confidence: 0.902359187602997

00:29:39.236 --> 00:29:40.510 the Second World War,

NOTE Confidence: 0.902359187602997

00:29:40.510 --> 00:29:42.406 Johan Hult in a speech pathologist,

NOTE Confidence: 0.902359187602997

00:29:42.410 --> 00:29:44.636 was working as a postdoc at Indiana,

NOTE Confidence: 0.902359187602997

00:29:44.640 --> 00:29:46.548 where Shope had done his work.

NOTE Confidence: 0.902359187602997

00:29:46.550 --> 00:29:49.304 He was looking for a new project when a

NOTE Confidence: 0.902359187602997

00:29:49.304 --> 00:29:51.638 faculty member said to him over lunch.

NOTE Confidence: 0.902359187602997

00:29:51.640 --> 00:29:52.274 You know,

NOTE Confidence: 0.902359187602997

00:29:52.274 --> 00:29:55.130 we still don't know what caused the 1918 flu.

NOTE Confidence: 0.902359187602997

00:29:55.130 --> 00:29:57.195 The only thing that remains is for

NOTE Confidence: 0.902359187602997

00:29:57.195 --> 00:29:59.350 someone to go to the northern part

NOTE Confidence: 0.902359187602997

00:29:59.350 --> 00:30:01.911 of the world and find bodies in the

NOTE Confidence: 0.902359187602997

00:30:01.911 --> 00:30:03.975 permafrost that are well preserved and

NOTE Confidence: 0.902359187602997

00:30:03.975 --> 00:30:06.090 that might contain the original virus.

NOTE Confidence: 0.902359187602997

00:30:06.090 --> 00:30:08.958 And that's what Holton set out to do here.

NOTE Confidence: 0.902359187602997

00:30:08.960 --> 00:30:10.990 He is digging a trench trying to

NOTE Confidence: 0.902359187602997

00:30:10.990 --> 00:30:12.963 get into that mass grave brings

NOTE Confidence: 0.902359187602997

00:30:12.963 --> 00:30:14.693 us back to Brevik Mission,

NOTE Confidence: 0.902359187602997

00:30:14.700 --> 00:30:16.940 where in 1951 a team of scientists,

NOTE Confidence: 0.902359187602997

00:30:16.940 --> 00:30:18.530 including Holton wound up there.

NOTE Confidence: 0.902359187602997

00:30:18.530 --> 00:30:20.840 The village had since been re populated

NOTE Confidence: 0.902359187602997

00:30:20.840 --> 00:30:23.319 Anhalt and explain the purpose of the study.

NOTE Confidence: 0.902359187602997

00:30:23.320 --> 00:30:25.930 He was about to dig up a grave but realized

NOTE Confidence: 0.902359187602997

00:30:25.991 --> 00:30:28.415 he needed permission from the villagers.

NOTE Confidence: 0.902359187602997

00:30:28.420 --> 00:30:30.700 It's interesting that he did not

NOTE Confidence: 0.902359187602997

00:30:30.700 --> 00:30:32.635 realize that he needed permission

NOTE Confidence: 0.902359187602997

00:30:32.635 --> 00:30:35.347 to dig up a grave until he was

NOTE Confidence: 0.902359187602997

00:30:35.347 --> 00:30:37.207 already there about to do it.

NOTE Confidence: 0.902359187602997

00:30:37.210 --> 00:30:39.118 There were three survivors from 1918

NOTE Confidence: 0.902359187602997

00:30:39.118 --> 00:30:41.269 that were still alive in the village,

NOTE Confidence: 0.902359187602997

00:30:41.270 --> 00:30:43.136 and apparently he told them this.

NOTE Confidence: 0.902359187602997

00:30:43.140 --> 00:30:45.058 He said it is now possible to

NOTE Confidence: 0.902359187602997

00:30:45.058 --> 00:30:46.879 prevent this from happening again,

NOTE Confidence: 0.902359187602997

00:30:46.880 --> 00:30:48.973 but I need your help if you

NOTE Confidence: 0.902359187602997

00:30:48.973 --> 00:30:51.247 allow me to dig in the grave,

NOTE Confidence: 0.902359187602997

00:30:51.250 --> 00:30:53.570 I will do my best to find some

NOTE Confidence: 0.902359187602997

00:30:53.570 --> 00:30:55.831 specimens and once we have the virus

NOTE Confidence: 0.902359187602997

00:30:55.831 --> 00:30:58.130 we can produce the vaccine and the

NOTE Confidence: 0.902359187602997

00:30:58.130 --> 00:31:00.293 next time the disease comes you will

NOTE Confidence: 0.902359187602997

00:31:00.293 --> 00:31:02.476 be immunized and you will not die.

NOTE Confidence: 0.937741935253143

00:31:02.480 --> 00:31:04.664 This sounds like a pretty appealing prospect,

NOTE Confidence: 0.937741935253143

00:31:04.670 --> 00:31:07.172 but I I hope this is something that we

NOTE Confidence: 0.937741935253143

00:31:07.172 --> 00:31:09.780 can talk about more because there are.

NOTE Confidence: 0.937741935253143

00:31:09.780 --> 00:31:11.470 Many many, many ethical questions

NOTE Confidence: 0.937741935253143

00:31:11.470 --> 00:31:13.724 Laden in here about the research

NOTE Confidence: 0.937741935253143

00:31:13.724 --> 00:31:15.720 relationship that's being formed.

NOTE Confidence: 0.937741935253143

00:31:15.720 --> 00:31:18.096 The promises that are being made,

NOTE Confidence: 0.937741935253143

00:31:18.100 --> 00:31:20.152 the terms in which people agree

NOTE Confidence: 0.937741935253143

00:31:20.152 --> 00:31:22.496 to have their dad there ancestors

NOTE Confidence: 0.937741935253143

00:31:22.496 --> 00:31:25.214 exhumed for the purposes of science.

NOTE Confidence: 0.937741935253143

00:31:25.220 --> 00:31:26.570 The villagers agreed.

NOTE Confidence: 0.937741935253143

00:31:26.570 --> 00:31:28.370 So halting began digging.

NOTE Confidence: 0.937741935253143

00:31:28.370 --> 00:31:30.368 He lit a fire to begin

NOTE Confidence: 0.937741935253143

00:31:30.368 --> 00:31:31.367 melting the permafrost,

NOTE Confidence: 0.937741935253143

00:31:31.370 --> 00:31:33.368 and after four days of digging,

NOTE Confidence: 0.937741935253143

00:31:33.370 --> 00:31:35.561 he came upon a body of little

NOTE Confidence: 0.937741935253143

00:31:35.561 --> 00:31:38.030 girl with red ribbons in her hair.

NOTE Confidence: 0.937741935253143

00:31:38.030 --> 00:31:40.354 They then found more for more bodies,

NOTE Confidence: 0.937741935253143

00:31:40.360 --> 00:31:41.074 all adults.

NOTE Confidence: 0.937741935253143

00:31:41.074 --> 00:31:43.216 They cracked open four of the

NOTE Confidence: 0.937741935253143

00:31:43.216 --> 00:31:45.259 still frozen cadavers rib cages,

NOTE Confidence: 0.937741935253143

00:31:45.260 --> 00:31:47.228 scooped out chunks of their lungs,

NOTE Confidence: 0.937741935253143

00:31:47.230 --> 00:31:48.880 packed it on dry ice,

NOTE Confidence: 0.937741935253143

00:31:48.880 --> 00:31:51.190 and attempted to study the

NOTE Confidence: 0.937741935253143

00:31:51.190 --> 00:31:53.038 tissues in the lab.

NOTE Confidence: 0.937741935253143

00:31:53.040 --> 00:31:55.685 But they were unsuccessful in

NOTE Confidence: 0.937741935253143

00:31:55.685 --> 00:31:58.330 recovering the virus from the

NOTE Confidence: 0.937741935253143

00:31:58.428 --> 00:32:01.656 tissue and threw away the specimens.

NOTE Confidence: 0.937741935253143

00:32:01.660 --> 00:32:03.823 I should've told you earlier in this

NOTE Confidence: 0.937741935253143

00:32:03.823 --> 00:32:05.786 lecture that I have written entire

NOTE Confidence: 0.937741935253143

00:32:05.786 --> 00:32:08.430 book on the history of efforts to use

NOTE Confidence: 0.937741935253143

00:32:08.430 --> 00:32:10.404 old tissue samples for new things.

NOTE Confidence: 0.937741935253143

00:32:10.410 --> 00:32:12.994 Old frozen tissue samples for a new thing.

NOTE Confidence: 0.937741935253143

00:32:13.000 --> 00:32:16.240 So this is something that I know a lot about.

NOTE Confidence: 0.937741935253143

00:32:16.240 --> 00:32:17.860 We can talk about more,

NOTE Confidence: 0.937741935253143

00:32:17.860 --> 00:32:20.107 but what I've told you just now

NOTE Confidence: 0.937741935253143

00:32:20.107 --> 00:32:22.069 isn't the end of the story.

NOTE Confidence: 0.937741935253143

00:32:22.070 --> 00:32:24.014 Flash forward to the 1990s ayoung

NOTE Confidence: 0.937741935253143

00:32:24.014 --> 00:32:25.310 pathologist named Jeffrey Taubenberger,

NOTE Confidence: 0.937741935253143

00:32:25.310 --> 00:32:26.925 working at the Armed Forces

NOTE Confidence: 0.937741935253143

00:32:26.925 --> 00:32:27.894 Institute of pathology,

NOTE Confidence: 0.937741935253143

00:32:27.900 --> 00:32:29.445 which maintained an archive of

NOTE Confidence: 0.937741935253143

00:32:29.445 --> 00:32:30.990 hundreds of thousands of differently

NOTE Confidence: 0.937741935253143

00:32:31.037 --> 00:32:32.189 preserved tissue samples.

NOTE Confidence: 0.937741935253143

00:32:32.190 --> 00:32:34.572 Ranging from slides to bits of

NOTE Confidence: 0.937741935253143

00:32:34.572 --> 00:32:37.490 tissues and wax paraffin as well as

NOTE Confidence: 0.937741935253143

00:32:37.490 --> 00:32:39.570 more recent specimens and freezers,

NOTE Confidence: 0.937741935253143

00:32:39.570 --> 00:32:41.542 taubenberger realize that the

NOTE Confidence: 0.937741935253143

00:32:41.542 --> 00:32:43.514 collection included tissues from

NOTE Confidence: 0.937741935253143

00:32:43.514 --> 00:32:45.418 soldiers who died in 1918.

NOTE Confidence: 0.937741935253143

00:32:45.420 --> 00:32:48.290 If they could find the right samples,

NOTE Confidence: 0.937741935253143

00:32:48.290 --> 00:32:52.338 maybe they could find a bit of flu.

NOTE Confidence: 0.937741935253143

00:32:52.340 --> 00:32:53.270 In 1997,

NOTE Confidence: 0.937741935253143

00:32:53.270 --> 00:32:54.665 Taubenberger Anna brilliant

NOTE Confidence: 0.937741935253143

00:32:54.665 --> 00:32:56.525 technician name Dan Reed,

NOTE Confidence: 0.937741935253143

00:32:56.530 --> 00:32:58.498 succeeded in finding genetic

NOTE Confidence: 0.937741935253143

00:32:58.498 --> 00:33:01.450 material from Spanish flu in a

NOTE Confidence: 0.937741935253143

00:33:01.537 --> 00:33:03.832 formaldehyde soaked scrap of lung

NOTE Confidence: 0.937741935253143

00:33:03.832 --> 00:33:07.169 tissue from a 21 year old soldier

NOTE Confidence: 0.937741935253143

00:33:07.169 --> 00:33:10.043 who died during the 1918 epidemic.

NOTE Confidence: 0.937741935253143

00:33:10.050 --> 00:33:11.570 His name was Rosco.

NOTE Confidence: 0.937741935253143

00:33:11.570 --> 00:33:13.850 Ran here is a statue that's

NOTE Confidence: 0.937741935253143

00:33:13.935 --> 00:33:16.120 been erected in his memory.

NOTE Confidence: 0.937741935253143

00:33:16.120 --> 00:33:17.948 Johan Holton, still alive,

NOTE Confidence: 0.937741935253143

00:33:17.948 --> 00:33:21.235 learned of this research and was inspired

NOTE Confidence: 0.937741935253143

00:33:21.235 --> 00:33:24.490 to return to Brevig Mission once again.

NOTE Confidence: 0.937741935253143

00:33:24.490 --> 00:33:26.820 This is 50 years later,

NOTE Confidence: 0.937741935253143

00:33:26.820 --> 00:33:29.140 inspired by access to new

NOTE Confidence: 0.937741935253143

00:33:29.140 --> 00:33:30.068 diagnostic technologies,

NOTE Confidence: 0.937741935253143

00:33:30.070 --> 00:33:31.930 scientists dug up another

NOTE Confidence: 0.937741935253143

00:33:31.930 --> 00:33:34.255 victim from the same site.

NOTE Confidence: 0.937741935253143

00:33:34.260 --> 00:33:37.050 She was a mostly frozen woman,

NOTE Confidence: 0.937741935253143

00:33:37.050 --> 00:33:40.150 about 30 years old.

NOTE Confidence: 0.937741935253143

00:33:40.150 --> 00:33:42.058 Before he left with that issue,

00:33:42.060 --> 00:33:44.909 Holton made markers to match the ones

00:33:44.909 --> 00:33:47.450 that originally stood at the grave site.

00:33:47.450 --> 00:33:50.010 This time they were successful

00:33:50.010 --> 00:33:52.058 in extracting viral material.

00:33:52.060 --> 00:33:53.236 And in 2005,

00:33:53.236 --> 00:33:55.980 a team of scientists were able to

00:33:56.071 --> 00:33:58.729 use old frozen tissue to sequence

00:33:58.729 --> 00:34:01.789 the full genome of the viral RNA.

00:34:01.790 --> 00:34:03.780 So on the one hand,

00:34:03.780 --> 00:34:06.795 this is a story of the power of a

00:34:06.795 --> 00:34:09.350 particular kind of biomedical research.

00:34:09.350 --> 00:34:10.688 There's something, uhm,

00:34:10.688 --> 00:34:13.364 that feels perhaps nothing short of

00:34:13.364 --> 00:34:15.376 miraculous of recovering a tissue or

00:34:15.376 --> 00:34:17.710 a virus thought to be disappeared.

00:34:17.710 --> 00:34:20.384 I see there's a hand brace I'm

NOTE Confidence: 0.937741935253143

00:34:20.384 --> 00:34:23.278 just going to wait until the end,

NOTE Confidence: 0.905051290988922

00:34:23.280 --> 00:34:24.636 if that's OK.

NOTE Confidence: 0.905051290988922

00:34:24.636 --> 00:34:27.348 Merin culas story of biomedical research.

NOTE Confidence: 0.905051290988922

00:34:27.350 --> 00:34:29.290 But it's also one that,

NOTE Confidence: 0.905051290988922

00:34:29.290 --> 00:34:31.726 as the memories of 1918 and the

NOTE Confidence: 0.905051290988922

00:34:31.726 --> 00:34:33.988 lived experience of the flu faded

NOTE Confidence: 0.905051290988922

00:34:33.988 --> 00:34:36.280 attention became focused more and more

NOTE Confidence: 0.905051290988922

00:34:36.280 --> 00:34:38.986 and more on characterizing the virus.

NOTE Confidence: 0.905051290988922

00:34:38.990 --> 00:34:40.100 In this narrative,

NOTE Confidence: 0.905051290988922

00:34:40.100 --> 00:34:43.640 we can characterize it if we can sequence it.

NOTE Confidence: 0.905051290988922

00:34:43.640 --> 00:34:46.356 If we can study it more precisely

NOTE Confidence: 0.905051290988922

00:34:46.356 --> 00:34:48.304 more precisely, we will have.

NOTE Confidence: 0.905051290988922

00:34:48.304 --> 00:34:51.020 A vaccine we will have a cure

NOTE Confidence: 0.905051290988922

00:34:51.112 --> 00:34:53.639 and no one will get sick um.

NOTE Confidence: 0.905051290988922

00:34:53.640 --> 00:34:55.870 In 2014, nature published well,

NOTE Confidence: 0.905051290988922

00:34:55.870 --> 00:34:58.684 actually I want to jump ahead the

NOTE Confidence: 0.905051290988922

00:34:58.684 --> 00:35:01.614 same ability to recreate to be able

NOTE Confidence: 0.905051290988922

00:35:01.614 --> 00:35:04.669 to sequence the full genome of viral

NOTE Confidence: 0.905051290988922

00:35:04.669 --> 00:35:07.717 RNA is also inspired scientists to

NOTE Confidence: 0.905051290988922

00:35:07.717 --> 00:35:10.585 reconstruct the virus at the CDC,

NOTE Confidence: 0.905051290988922

00:35:10.585 --> 00:35:12.365 which lead in 26,

NOTE Confidence: 0.905051290988922

00:35:12.370 --> 00:35:15.106 two and a major outcry about

NOTE Confidence: 0.905051290988922

00:35:15.106 --> 00:35:17.720 bioterror that what did it mean?

NOTE Confidence: 0.905051290988922

00:35:17.720 --> 00:35:18.670 What's the?

NOTE Confidence: 0.905051290988922

00:35:18.670 --> 00:35:21.045 What's the boundary between studying

NOTE Confidence: 0.905051290988922

00:35:21.045 --> 00:35:24.195 these kinds of agents in the bio

NOTE Confidence: 0.905051290988922

00:35:24.195 --> 00:35:26.250 technological methods to do so?

NOTE Confidence: 0.905051290988922

00:35:26.250 --> 00:35:27.702 And potentially exposing people

NOTE Confidence: 0.905051290988922

00:35:27.702 --> 00:35:30.606 to risk and you can see that it

NOTE Confidence: 0.905051290988922

00:35:30.606 --> 00:35:32.586 studies like this that start to

NOTE Confidence: 0.905051290988922

00:35:32.586 --> 00:35:34.076 creep into conspiracy theories

NOTE Confidence: 0.905051290988922

00:35:34.076 --> 00:35:36.750 like COVID-19 was created in a lab

NOTE Confidence: 0.905051290988922

00:35:36.750 --> 00:35:39.702 and these are all in a brew that

NOTE Confidence: 0.905051290988922

00:35:39.702 --> 00:35:41.931 are circulating around as we try

NOTE Confidence: 0.905051290988922

00:35:41.931 --> 00:35:44.037 to make sense of what's happening.

NOTE Confidence: 0.905051290988922

00:35:44.040 --> 00:35:46.784 So just to kind of show that what

NOTE Confidence: 0.905051290988922

00:35:46.784 --> 00:35:49.480 I meant when I said this study.

NOTE Confidence: 0.905051290988922

00:35:49.480 --> 00:35:52.014 The never ending story of 1918 flu.

NOTE Confidence: 0.905051290988922

00:35:52.020 --> 00:35:53.472 The biomedical story appears

NOTE Confidence: 0.905051290988922

00:35:53.472 --> 00:35:55.287 to never end in 2014.

NOTE Confidence: 0.905051290988922

00:35:55.290 --> 00:35:57.115 Nature published a study that

NOTE Confidence: 0.905051290988922

00:35:57.115 --> 00:35:58.575 provided still new evidence.

NOTE Confidence: 0.905051290988922

00:35:58.580 --> 00:36:01.457 Of the origins of the 1918 flu,

NOTE Confidence: 0.905051290988922

00:36:01.460 --> 00:36:03.842 this one done by a evolutionary

NOTE Confidence: 0.905051290988922

00:36:03.842 --> 00:36:05.898 biologist at University of Arizona

NOTE Confidence: 0.905051290988922

00:36:05.898 --> 00:36:08.280 who wanted to understand what the

00:36:08.280 --> 00:36:10.499 kind of nonhuman reservoir was.

00:36:10.500 --> 00:36:13.873 Did it come from birds, horses, pigs, backs?

00:36:13.873 --> 00:36:16.519 And he produced an evolutionary tree

00:36:16.519 --> 00:36:19.175 that showed that the jeans of the

00:36:19.175 --> 00:36:21.600 1918 pandemic were of avian origin,

00:36:21.600 --> 00:36:23.825 but there have been conflicting

00:36:23.825 --> 00:36:26.050 stories about whether the jeans

00:36:26.121 --> 00:36:28.557 came from birds or from pigs, and.

00:36:28.557 --> 00:36:30.492 What I found really interesting

00:36:30.492 --> 00:36:33.575 when I read this study was that the

00:36:33.575 --> 00:36:36.176 author said what we really need is

00:36:36.176 --> 00:36:38.528 a sample of the virus preserved in

00:36:38.528 --> 00:36:40.580 a burial for the medical experts

00:36:40.580 --> 00:36:43.101 to uncover that would have the best

00:36:43.101 --> 00:36:45.016 chances of settling the debate.

00:36:45.020 --> 00:36:46.840 So we see this return.

NOTE Confidence: 0.905051290988922

00:36:46.840 --> 00:36:50.116 This returned to try to dig up the bodies,

NOTE Confidence: 0.905051290988922

00:36:50.120 --> 00:36:51.552 dig up the past,

NOTE Confidence: 0.905051290988922

00:36:51.552 --> 00:36:54.137 dig up particular kinds of the past

NOTE Confidence: 0.905051290988922

00:36:54.137 --> 00:36:56.664 in a way to understand the virus.

NOTE Confidence: 0.905051290988922

00:36:56.670 --> 00:36:59.197 I think that what I'd like to

NOTE Confidence: 0.905051290988922

00:36:59.197 --> 00:37:01.934 Emphasize in my argument is that

NOTE Confidence: 0.905051290988922

00:37:01.934 --> 00:37:04.544 our understanding living as we're

NOTE Confidence: 0.905051290988922

00:37:04.544 --> 00:37:06.958 living through covid right now,

NOTE Confidence: 0.905051290988922

00:37:06.960 --> 00:37:09.977 I think it's pretty clear that if

NOTE Confidence: 0.905051290988922

00:37:09.977 --> 00:37:12.407 we only understand the virology

NOTE Confidence: 0.905051290988922

00:37:12.407 --> 00:37:14.507 of the novel coronavirus,

NOTE Confidence: 0.905051290988922

00:37:14.510 --> 00:37:18.296 we will have missed a tremendous

NOTE Confidence: 0.905051290988922

00:37:18.296 --> 00:37:20.189 dimension of what?

NOTE Confidence: 0.905051290988922

00:37:20.190 --> 00:37:23.988 It means to live and seek health in 2020,

NOTE Confidence: 0.905051290988922

00:37:23.990 --> 00:37:27.358 so it brings us back to the present.

NOTE Confidence: 0.905051290988922

00:37:27.360 --> 00:37:29.898 UM, where specimen we see here?

NOTE Confidence: 0.905051290988922

00:37:29.900 --> 00:37:31.584 I just posted this.

NOTE Confidence: 0.905051290988922

00:37:31.584 --> 00:37:34.114 This is from you, know, Yale,

NOTE Confidence: 0.905051290988922

00:37:34.114 --> 00:37:36.224 where people can get tested.

NOTE Confidence: 0.905051290988922

00:37:36.230 --> 00:37:39.422 But I also want to kind of knowledge

NOTE Confidence: 0.905051290988922

00:37:39.422 --> 00:37:42.063 that getting tested is also a

NOTE Confidence: 0.905051290988922

00:37:42.063 --> 00:37:43.815 way of creating specimens.

NOTE Confidence: 0.905051290988922

00:37:43.820 --> 00:37:45.512 And in my book,

NOTE Confidence: 0.905051290988922

00:37:45.512 --> 00:37:48.050 which I'd be thrilled for you

NOTE Confidence: 0.903492391109467

00:37:48.145 --> 00:37:51.057 to read if you are so inclined.

NOTE Confidence: 0.903492391109467

00:37:51.060 --> 00:37:53.972 Talk about the ways in which public health

NOTE Confidence: 0.903492391109467

00:37:53.972 --> 00:37:56.165 offices that we're collecting materials

NOTE Confidence: 0.903492391109467

00:37:56.165 --> 00:37:58.949 testing for all kinds of conditions,

NOTE Confidence: 0.903492391109467

00:37:58.950 --> 00:38:00.192 including state mandated

NOTE Confidence: 0.903492391109467

00:38:00.192 --> 00:38:01.848 state mandated simplest tasks,

NOTE Confidence: 0.903492391109467

00:38:01.850 --> 00:38:04.166 wound up using those tissues for

NOTE Confidence: 0.903492391109467

00:38:04.166 --> 00:38:06.236 research purposes that public health

NOTE Confidence: 0.903492391109467

00:38:06.236 --> 00:38:08.080 officials and scientists said.

NOTE Confidence: 0.903492391109467

00:38:08.080 --> 00:38:09.325 Wait a minute.

NOTE Confidence: 0.903492391109467

00:38:09.325 --> 00:38:12.230 Why would we throw these materials away?

NOTE Confidence: 0.903492391109467

00:38:12.230 --> 00:38:13.469 They're really precious.

NOTE Confidence: 0.903492391109467

00:38:13.469 --> 00:38:16.790 I'm going to someone who works at Yale,

NOTE Confidence: 0.903492391109467

00:38:16.790 --> 00:38:20.110 Studies the use and reuse of old tissues,

NOTE Confidence: 0.903492391109467

00:38:20.110 --> 00:38:22.185 and the bio ethical considerations

NOTE Confidence: 0.903492391109467

00:38:22.185 --> 00:38:24.126 that they raise. And really.

NOTE Confidence: 0.903492391109467

00:38:24.126 --> 00:38:25.866 Interested in trying to understand

NOTE Confidence: 0.903492391109467

00:38:25.866 --> 00:38:28.000 what's going to happen to the

NOTE Confidence: 0.903492391109467

00:38:28.000 --> 00:38:29.720 specimens that are being collected?

NOTE Confidence: 0.903492391109467

00:38:29.720 --> 00:38:31.410 How will they be used?

NOTE Confidence: 0.903492391109467

00:38:31.410 --> 00:38:34.106 What does it mean to consent for reuse?

NOTE Confidence: 0.903492391109467

00:38:34.110 --> 00:38:36.522 You can imagine all these ethical

NOTE Confidence: 0.903492391109467

00:38:36.522 --> 00:38:39.850 issues that unfold. Hum so.

NOTE Confidence: 0.903492391109467

00:38:39.850 --> 00:38:42.860 I wanted to give the last word here,

NOTE Confidence: 0.903492391109467

00:38:42.860 --> 00:38:45.115 um to my colleague, actually, um,

NOTE Confidence: 0.903492391109467

00:38:45.115 --> 00:38:47.365 um Marcela, Doctor Marcella Noona Smith,

NOTE Confidence: 0.903492391109467

00:38:47.370 --> 00:38:49.607 who is the director of equity

NOTE Confidence: 0.903492391109467

00:38:49.607 --> 00:38:51.821 research and and it the equity

NOTE Confidence: 0.903492391109467

00:38:51.821 --> 00:38:53.386 research and Innovation Center

NOTE Confidence: 0.903492391109467

00:38:53.386 --> 00:38:55.636 at the Yale School of Medicine.

NOTE Confidence: 0.903492391109467

00:38:55.640 --> 00:38:58.512 And this is the link to the website

NOTE Confidence: 0.903492391109467

00:38:58.512 --> 00:39:01.278 and I've got the link down there.

NOTE Confidence: 0.903492391109467

00:39:01.280 --> 00:39:04.288 If you want to see what's going on,

NOTE Confidence: 0.903492391109467

00:39:04.290 --> 00:39:05.882 she recently told NPR.

NOTE Confidence: 0.903492391109467

00:39:05.882 --> 00:39:07.872 We know that racial ethnic

NOTE Confidence: 0.903492391109467

00:39:07.872 --> 00:39:09.794 disparities in Covid are the

NOTE Confidence: 0.903492391109467

00:39:09.794 --> 00:39:11.609 result of pre pandemic realities.

NOTE Confidence: 0.903492391109467

00:39:11.610 --> 00:39:14.316 It's a legacy of structural discrimination

NOTE Confidence: 0.903492391109467

00:39:14.316 --> 00:39:16.895 that has limited access to health

NOTE Confidence: 0.903492391109467

00:39:16.895 --> 00:39:18.995 and wealth for people of color.

NOTE Confidence: 0.903492391109467

00:39:19.000 --> 00:39:19.384 Now.

NOTE Confidence: 0.903492391109467

00:39:19.384 --> 00:39:22.072 I hope that will be able to

NOTE Confidence: 0.903492391109467

00:39:22.072 --> 00:39:24.759 find ways to come join forces.

NOTE Confidence: 0.903492391109467

00:39:24.760 --> 00:39:25.082 Um,

NOTE Confidence: 0.903492391109467

00:39:25.082 --> 00:39:27.980 those of us who work at places like Yale

NOTE Confidence: 0.903492391109467

00:39:28.062 --> 00:39:30.630 or those of us who work at medical,

NOTE Confidence: 0.903492391109467

00:39:30.630 --> 00:39:32.420 medical schools and other research

NOTE Confidence: 0.903492391109467

00:39:32.420 --> 00:39:34.558 universities to try to figure out

NOTE Confidence: 0.903492391109467

00:39:34.558 --> 00:39:36.553 what it means to ask bio ethical

NOTE Confidence: 0.903492391109467

00:39:36.553 --> 00:39:37.828 questions that are informed

NOTE Confidence: 0.903492391109467

00:39:37.828 --> 00:39:39.428 by those kinds of insights.

NOTE Confidence: 0.903492391109467

00:39:39.430 --> 00:39:41.478 and I want to just mention a project

NOTE Confidence: 0.903492391109467

00:39:41.478 --> 00:39:43.446 that my colleagues and I engaged

NOTE Confidence: 0.903492391109467

00:39:43.446 --> 00:39:45.540 with called COVID-19 history of the

NOTE Confidence: 0.903492391109467

00:39:45.601 --> 00:39:47.761 present which was at Yale School

NOTE Confidence: 0.903492391109467

00:39:47.761 --> 00:39:49.201 of Medicine involving medical

NOTE Confidence: 0.903492391109467

00:39:49.210 --> 00:39:50.890 students and nursing students wear.

NOTE Confidence: 0.903492391109467

00:39:50.890 --> 00:39:52.934 We began to build the archives that

NOTE Confidence: 0.903492391109467

00:39:52.934 --> 00:39:54.862 we hope that historians and other

NOTE Confidence: 0.903492391109467

00:39:54.862 --> 00:39:57.165 people in the future will be able

NOTE Confidence: 0.903492391109467

00:39:57.226 --> 00:39:59.697 to benefit from and getting a more

NOTE Confidence: 0.903492391109467

00:39:59.697 --> 00:40:01.744 robust understanding of what it has

NOTE Confidence: 0.903492391109467

00:40:01.744 --> 00:40:03.712 meant to live through this pandemic,

NOTE Confidence: 0.903492391109467

00:40:03.720 --> 00:40:06.212 but also to imagine that thinking about

NOTE Confidence: 0.903492391109467

00:40:06.212 --> 00:40:08.557 this sort of a femora that's around

NOTE Confidence: 0.903492391109467

00:40:08.557 --> 00:40:11.225 us right now is a way to construct

NOTE Confidence: 0.903492391109467

00:40:11.225 --> 00:40:13.589 meaning in a very difficult time.

NOTE Confidence: 0.903492391109467

00:40:13.590 --> 00:40:16.830 And on this day of of sort of

NOTE Confidence: 0.903492391109467

00:40:16.830 --> 00:40:19.000 reckoning on civil rights,

NOTE Confidence: 0.903492391109467

00:40:19.000 --> 00:40:22.157 the resurgence of civil rights in our

NOTE Confidence: 0.903492391109467

00:40:22.157 --> 00:40:25.767 country, I want to end on this slide.

NOTE Confidence: 0.903492391109467

00:40:25.770 --> 00:40:27.922 Really important organization called

NOTE Confidence: 0.903492391109467

00:40:27.922 --> 00:40:31.150 white coats for black lives which

NOTE Confidence: 0.903492391109467

00:40:31.228 --> 00:40:33.418 has been organizing justice for

NOTE Confidence: 0.903492391109467

00:40:33.418 --> 00:40:36.048 George Floyd but has been doing

NOTE Confidence: 0.903492391109467

00:40:36.048 --> 00:40:38.936 work for some years now to try to

NOTE Confidence: 0.903492391109467

00:40:38.936 --> 00:40:41.104 enhance understanding on activism and

NOTE Confidence: 0.903492391109467

00:40:41.104 --> 00:40:42.908 engagement amongst healthcare professionals.

NOTE Confidence: 0.903492391109467

00:40:42.910 --> 00:40:47.460 And so I hope that you will join me in.

NOTE Confidence: 0.903492391109467

00:40:47.460 --> 00:40:50.155 Learning more about what they are doing,

NOTE Confidence: 0.903492391109467

00:40:50.160 --> 00:40:52.995 so that's the end of my formal

NOTE Confidence: 0.903492391109467

00:40:52.995 --> 00:40:54.998 presentation and I'm happy to

NOTE Confidence: 0.903492391109467

00:40:54.998 --> 00:40:57.469 turn it over to John and Naomi.

NOTE Confidence: 0.903492391109467

00:40:57.470 --> 00:41:01.319 And then I think we will open it up for

00:41:01.320 --> 00:41:03.245 discussion. Yes, we will thank

00:41:03.245 --> 00:41:07.098 you very much. Doctor Raden

00:41:05.170 --> 00:41:07.100 this is Karen called Mark

00:41:07.100 --> 00:41:09.405 material will be joining us shortly.

00:41:09.405 --> 00:41:11.330 Naomi Rogers will go next

00:41:11.330 --> 00:41:13.260 to followed by John Warner,

00:41:13.260 --> 00:41:15.182 Naomi Rogers, a more doctor.

00:41:15.182 --> 00:41:17.520 Naomi Rogers is a professor of.

00:41:17.520 --> 00:41:19.540 History in the history of Medicine.

00:41:19.540 --> 00:41:21.818 In the section of the history of

00:41:21.818 --> 00:41:23.711 Medicine at Yale Medical School and

00:41:23.711 --> 00:41:25.860 the program in the history of Science

00:41:25.915 --> 00:41:27.670 and medicine at Yale University,

00:41:27.670 --> 00:41:28.968 where she teaches undergraduates,

00:41:28.970 --> 00:41:31.300 graduate students, an medical students.

00:41:31.300 --> 00:41:32.468 I'm her historical interest.

NOTE Confidence: 0.902154207229614

00:41:32.470 --> 00:41:33.340 Include health, activism,

NOTE Confidence: 0.902154207229614

00:41:33.340 --> 00:41:34.508 gender and health, disease,

NOTE Confidence: 0.902154207229614

00:41:34.510 --> 00:41:35.678 and public health disability,

NOTE Confidence: 0.902154207229614

00:41:35.678 --> 00:41:37.430 an alternate medicine and welcome mark.

NOTE Confidence: 0.902154207229614

00:41:37.430 --> 00:41:39.180 Will I just wanted to Joanna,

NOTE Confidence: 0.902154207229614

00:41:39.180 --> 00:41:41.224 could I ask you to do it

NOTE Confidence: 0.902423918247223

00:41:41.230 --> 00:41:43.859 again? Because I I missed it. I am so

NOTE Confidence: 0.902423918247223

00:41:43.860 --> 00:41:44.730 sorry. I would

NOTE Confidence: 0.902423918247223

00:41:44.730 --> 00:41:45.898 love to find some

NOTE Confidence: 0.902423918247223

00:41:45.900 --> 00:41:48.236 clever way to blame somebody else for this,

NOTE Confidence: 0.902423918247223

00:41:48.240 --> 00:41:50.004 but I had some serious zoom

NOTE Confidence: 0.902423918247223

00:41:50.004 --> 00:41:51.523 difficult habit on zoom meetings

NOTE Confidence: 0.902423918247223

00:41:51.523 --> 00:41:53.779 for the last two months off and on,

NOTE Confidence: 0.902423918247223

00:41:53.780 --> 00:41:55.240 but I think something with

NOTE Confidence: 0.902423918247223

00:41:55.240 --> 00:41:56.700 the upgrade didn't go right.

NOTE Confidence: 0.902423918247223

00:41:56.700 --> 00:41:58.458 I think I didn't do it.

NOTE Confidence: 0.902423918247223

00:41:58.460 --> 00:42:00.206 I was supposed to do so.

NOTE Confidence: 0.902423918247223

00:42:00.210 --> 00:42:01.374 This is on me.

NOTE Confidence: 0.902423918247223

00:42:01.374 --> 00:42:02.540 I'm so sorry, Joanna.

NOTE Confidence: 0.866622269153595

00:42:02.570 --> 00:42:03.674 Well, Fortunately it's been

NOTE Confidence: 0.866622269153595

00:42:03.674 --> 00:42:04.790 recorded excellence. I'll be

NOTE Confidence: 0.866622269153595

00:42:04.790 --> 00:42:06.645 able to see that I got to

NOTE Confidence: 0.866622269153595

00:42:06.645 --> 00:42:08.388 actually look at it real quick,

NOTE Confidence: 0.866622269153595

00:42:08.390 --> 00:42:10.329 but I'm moderate the session from here.

NOTE Confidence: 0.866622269153595

00:42:10.330 --> 00:42:12.508 If this works, will see if I can see

NOTE Confidence: 0.866622269153595

00:42:12.508 --> 00:42:14.756 the QA's and whatnot from this link.

NOTE Confidence: 0.866622269153595

00:42:14.760 --> 00:42:15.864 Hopefully it all works.

NOTE Confidence: 0.866622269153595

00:42:15.864 --> 00:42:18.360 Thank you so much, so I apologize and Karen.

NOTE Confidence: 0.866622269153595

00:42:18.360 --> 00:42:20.299 Thank you so much for pinch hitting.

NOTE Confidence: 0.866622269153595

00:42:20.300 --> 00:42:22.239 Everybody else is on this Good afternoon.

NOTE Confidence: 0.866622269153595

00:42:22.240 --> 00:42:24.104 My name is mark material on the director

NOTE Confidence: 0.866622269153595

00:42:24.104 --> 00:42:26.120 of the program for Biomedical Ethics.

NOTE Confidence: 0.866622269153595

00:42:26.120 --> 00:42:27.835 I am not the director of computer

NOTE Confidence: 0.866622269153595

00:42:27.835 --> 00:42:29.160 services at Yale University.

NOTE Confidence: 0.866622269153595

00:42:29.160 --> 00:42:30.550 Would be pleased to know,

NOTE Confidence: 0.866622269153595

00:42:30.550 --> 00:42:32.489 but I think we're up and running.

NOTE Confidence: 0.866622269153595

00:42:32.490 --> 00:42:34.147 And next is Naomi, right? Karen?

NOTE Confidence: 0.866622269153595

00:42:34.147 --> 00:42:36.172 did I just hear you introduce Naomi?

NOTE Confidence: 0.866622269153595

00:42:36.172 --> 00:42:37.640 Yeah, she did perfectly.

NOTE Confidence: 0.866622269153595

00:42:37.640 --> 00:42:41.060 Only would you please speak to us for a

NOTE Confidence: 0.835585415363312

00:42:41.060 --> 00:42:42.580 few minutes about this?

NOTE Confidence: 0.835585415363312

00:42:42.580 --> 00:42:44.100 Thank you so much.

NOTE Confidence: 0.835585415363312

00:42:44.100 --> 00:42:47.910 Can you let me let me start my video my.

NOTE Confidence: 0.835585415363312

00:42:47.910 --> 00:42:50.934 You're the host. I'm.

NOTE Confidence: 0.835585415363312

00:42:50.934 --> 00:42:54.620 Aw, thank you. OK.

NOTE Confidence: 0.835585415363312

00:42:54.620 --> 00:42:58.100 Thank you very much.

NOTE Confidence: 0.835585415363312

00:42:58.100 --> 00:43:00.062 So welcome everybody,

NOTE Confidence: 0.835585415363312

00:43:00.062 --> 00:43:05.396 I'm so glad that you can be here

NOTE Confidence: 0.835585415363312

00:43:05.396 --> 00:43:09.080 and I'm really delighted to be

NOTE Confidence: 0.835585415363312

00:43:09.080 --> 00:43:13.868 one of the two uhm commentators.

NOTE Confidence: 0.835585415363312

00:43:13.870 --> 00:43:15.516 Uh, where, uh, uh.

NOTE Confidence: 0.835585415363312

00:43:15.516 --> 00:43:17.169 Also in joann's Department,

NOTE Confidence: 0.835585415363312

00:43:17.169 --> 00:43:20.060 in the section of the history of

NOTE Confidence: 0.835585415363312

00:43:20.139 --> 00:43:22.089 Medicine at the medical school

NOTE Confidence: 0.835585415363312

00:43:22.089 --> 00:43:24.949 and in the program of the history

NOTE Confidence: 0.835585415363312

00:43:24.949 --> 00:43:27.427 of Science and medicine at Yale.

NOTE Confidence: 0.835585415363312

00:43:27.430 --> 00:43:31.100 So what I wanted to do is to talk a

NOTE Confidence: 0.835585415363312

00:43:31.214 --> 00:43:34.994 little bit and I guess is sort of an

NOTE Confidence: 0.835585415363312

00:43:34.994 --> 00:43:38.310 odd thing to say, but I'm this this.

NOTE Confidence: 0.835585415363312

00:43:38.310 --> 00:43:41.465 These are comments in which I want to

NOTE Confidence: 0.835585415363312

00:43:41.465 --> 00:43:44.297 reflect on thinking about their forgetting.

NOTE Confidence: 0.835585415363312

72

00:43:44.300 --> 00:43:47.836 Of the Spanish, a pandemic, and um,

NOTE Confidence: 0.835585415363312

00:43:47.836 --> 00:43:51.147 the reason I said that's kind of

NOTE Confidence: 0.835585415363312

00:43:51.147 --> 00:43:54.639 odd is that really until covid,

NOTE Confidence: 0.835585415363312

00:43:54.640 --> 00:43:57.220 uhm, the Spanish pandemic was

NOTE Confidence: 0.835585415363312

00:43:57.220 --> 00:43:59.284 considered kind of interesting.

NOTE Confidence: 0.835585415363312

00:43:59.290 --> 00:44:02.512 Sort of old-fashioned sort of thing

NOTE Confidence: 0.835585415363312

00:44:02.512 --> 00:44:05.499 that happened long ago and was,

NOTE Confidence: 0.835585415363312

00:44:05.500 --> 00:44:05.950 uh,

NOTE Confidence: 0.835585415363312

00:44:05.950 --> 00:44:09.100 the interest of only really a very

NOTE Confidence: 0.835585415363312

00:44:09.100 --> 00:44:12.739 small number of historians and journalists.

NOTE Confidence: 0.835585415363312

00:44:12.740 --> 00:44:16.346 There was a book in 1977.

NOTE Confidence: 0.835585415363312

00:44:16.350 --> 00:44:17.970 Hum by historian called

NOTE Confidence: 0.835585415363312

00:44:17.970 --> 00:44:19.185 America's forgotten pandemic,

NOTE Confidence: 0.835585415363312

00:44:19.190 --> 00:44:21.758 which I think tells you everything

NOTE Confidence: 0.835585415363312

00:44:21.758 --> 00:44:24.966 you need to know so that in in

NOTE Confidence: 0.835585415363312

00:44:24.966 --> 00:44:27.590 thinking about this I I want to

NOTE Confidence: 0.835585415363312

00:44:27.590 --> 00:44:30.110 reflect focused on what it means

NOTE Confidence: 0.835585415363312

00:44:30.110 --> 00:44:32.222 to have things be forgotten.

NOTE Confidence: 0.835585415363312

00:44:32.222 --> 00:44:35.630 And then I want to reflect a little

NOTE Confidence: 0.835585415363312

00:44:35.720 --> 00:44:39.082 bit on what it means to be to start

NOTE Confidence: 0.835585415363312

00:44:39.082 --> 00:44:41.518 to remember things like this pandemic.

NOTE Confidence: 0.835585415363312

00:44:41.520 --> 00:44:43.715 Now I'm thinking about forgetting

NOTE Confidence: 0.835585415363312

00:44:43.715 --> 00:44:46.420 is something that I've done in my.

NOTE Confidence: 0.835585415363312

00:44:46.420 --> 00:44:47.785 Earlier work um,

NOTE Confidence: 0.835585415363312

00:44:47.785 --> 00:44:51.771 and so I wanna drawn um a moment

NOTE Confidence: 0.835585415363312

00:44:51.771 --> 00:44:55.929 that I uhm investigated myself um

NOTE Confidence: 0.835585415363312

00:44:55.929 --> 00:44:58.770 around sister Elizabeth Kenny.

NOTE Confidence: 0.835585415363312

00:44:58.770 --> 00:45:03.110 Now sister Kenny was a celebrity nurse

NOTE Confidence: 0.835585415363312

00:45:03.110 --> 00:45:06.999 in 1940s America who died in 1952.

NOTE Confidence: 0.835585415363312

00:45:07.000 --> 00:45:09.975 She developed an innovative method

NOTE Confidence: 0.835585415363312

00:45:09.975 --> 00:45:13.607 of treating polio paralysis of polio

NOTE Confidence: 0.835585415363312

74

00:45:13.607 --> 00:45:16.427 patients who had paralysis and.

NOTE Confidence: 0.835585415363312

00:45:16.430 --> 00:45:20.196 Just to say that it was extraordinarily

NOTE Confidence: 0.835585415363312

00:45:20.196 --> 00:45:22.366 successful and really replaced

NOTE Confidence: 0.835585415363312

00:45:22.366 --> 00:45:25.579 much of what had been standard care

NOTE Confidence: 0.835585415363312

00:45:25.579 --> 00:45:28.710 up till that point in the 1940s.

NOTE Confidence: 0.835585415363312

00:45:28.710 --> 00:45:32.140 She was also a major media figure,

NOTE Confidence: 0.835585415363312

00:45:32.140 --> 00:45:34.595 very familiar to people living

NOTE Confidence: 0.835585415363312

00:45:34.595 --> 00:45:37.050 in the 1940s and 50s.

NOTE Confidence: 0.835585415363312

00:45:37.050 --> 00:45:41.469 Um, a large woman in a big Black Hat.

NOTE Confidence: 0.835585415363312

00:45:41.470 --> 00:45:43.935 She was even the subject

NOTE Confidence: 0.835585415363312

00:45:43.935 --> 00:45:45.907 of a Hollywood movie.

NOTE Confidence: 0.835585415363312

00:45:45.910 --> 00:45:48.180 Which starred Roslyn Russell and

NOTE Confidence: 0.835585415363312

00:45:48.180 --> 00:45:51.300 you just have to know that that

NOTE Confidence: 0.835585415363312

00:45:51.300 --> 00:45:54.890 was a big movie star at that time.

NOTE Confidence: 0.835585415363312

00:45:54.890 --> 00:45:57.135 But after the development of

NOTE Confidence: 0.835585415363312

00:45:57.135 --> 00:45:59.380 the polio vaccine in 1955,

NOTE Confidence: 0.835585415363312

00:45:59.380 --> 00:46:01.172 and the gradual disappearance

NOTE Confidence: 0.835585415363312

00:46:01.172 --> 00:46:02.516 of polio epidemics,

NOTE Confidence: 0.835585415363312

00:46:02.520 --> 00:46:04.476 she was quickly forgotten.

NOTE Confidence: 0.835585415363312

00:46:04.476 --> 00:46:07.410 Sister Kenny made a few appearances

NOTE Confidence: 0.835585415363312

00:46:07.492 --> 00:46:09.070 in children's books.

NOTE Confidence: 0.835585415363312

00:46:09.070 --> 00:46:12.718 This is after her death and after the

NOTE Confidence: 0.835585415363312

00:46:12.718 --> 00:46:15.520 vaccine lives to remember in 1958,

NOTE Confidence: 0.835585415363312

00:46:15.520 --> 00:46:16.442 for example,

NOTE Confidence: 0.835585415363312

00:46:16.442 --> 00:46:19.208 and in books about famous nurses.

NOTE Confidence: 0.835585415363312

00:46:19.210 --> 00:46:20.536 6 great nurses.

NOTE Confidence: 0.835585415363312

00:46:20.536 --> 00:46:24.280 She was one of the six in 1962,

NOTE Confidence: 0.835585415363312

00:46:24.280 --> 00:46:27.046 but soon even from those kinds

NOTE Confidence: 0.835585415363312

00:46:27.046 --> 00:46:29.774 of collections she was gone and

NOTE Confidence: 0.835585415363312

00:46:29.774 --> 00:46:32.426 today's lists you can look up

NOTE Confidence: 0.835585415363312

00:46:32.426 --> 00:46:34.929 famous nurses up through Google.

NOTE Confidence: 0.835585415363312

00:46:34.930 --> 00:46:38.794 And what you find is Florence Nightingale,

NOTE Confidence: 0.835585415363312

00:46:38.800 --> 00:46:40.459 um Clara Barton,

NOTE Confidence: 0.835585415363312

00:46:40.459 --> 00:46:44.330 the founder of the American red costs,

NOTE Confidence: 0.835585415363312

00:46:44.330 --> 00:46:45.992 um Margaret Sanger,

NOTE Confidence: 0.835585415363312

00:46:45.992 --> 00:46:47.100 a man,

NOTE Confidence: 0.895247399806976

00:46:47.100 --> 00:46:49.860 Sujana Truth and assorted others.

NOTE Confidence: 0.895247399806976

00:46:49.860 --> 00:46:52.068 But absolutely Kenny has

NOTE Confidence: 0.895247399806976

00:46:52.068 --> 00:46:53.724 completely disappeared now.

NOTE Confidence: 0.895247399806976

00:46:53.730 --> 00:46:57.810 Why was she forgotten and what is it

NOTE Confidence: 0.895247399806976

00:46:57.810 --> 00:47:01.297 about the forgetting of things and

NOTE Confidence: 0.895247399806976

00:47:01.297 --> 00:47:05.380 events and people in part it was.

NOTE Confidence: 0.895247399806976

00:47:05.380 --> 00:47:07.530 There was deliberate erasure by

NOTE Confidence: 0.895247399806976

00:47:07.530 --> 00:47:10.110 leaders of the March of Dimes,

NOTE Confidence: 0.895247399806976

00:47:10.110 --> 00:47:12.400 which was America's largest disease

NOTE Confidence: 0.895247399806976

00:47:12.400 --> 00:47:14.232 organization and the largest

NOTE Confidence: 0.895247399806976

00:47:14.232 --> 00:47:16.128 polio charity in the world.

00:47:16.130 --> 00:47:19.570 And the leaders had long tangled with her,

00:47:19.570 --> 00:47:20.476 and actually,

00:47:20.476 --> 00:47:23.647 we're eager to have the public see

00:47:23.647 --> 00:47:26.958 polio edit as a disease that had been

00:47:26.958 --> 00:47:29.908 defeated in the lab with a vaccine

00:47:29.908 --> 00:47:32.906 rather than at the bedside in 1958.

00:47:32.906 --> 00:47:35.504 For example, the March of Dimes.

00:47:35.510 --> 00:47:40.406 Organized a polio Hall of Fame at Warm

00:47:40.406 --> 00:47:43.490 Springs featuring 17 polio heroes,

00:47:43.490 --> 00:47:46.530 mainly neurologists and other scientists

00:47:46.530 --> 00:47:50.250 funded by the March of Dimes.

00:47:50.250 --> 00:47:52.698 There were no orthopedists,

00:47:52.698 --> 00:47:54.534 no physical therapists,

00:47:54.540 --> 00:47:56.996 and no sister Kenny.

00:47:56.996 --> 00:48:00.688 Sister Kenny was also forgotten because

00:48:00.688 --> 00:48:05.600 the public sphere of polio began to fade.

NOTE Confidence: 0.895247399806976

00:48:05.600 --> 00:48:06.178 Polio.

NOTE Confidence: 0.895247399806976

00:48:06.178 --> 00:48:08.490 Became a disease signifying

NOTE Confidence: 0.895247399806976

00:48:08.490 --> 00:48:10.224 not modern science,

NOTE Confidence: 0.895247399806976

00:48:10.230 --> 00:48:13.650 but an unenlightened world before vaccines.

NOTE Confidence: 0.895247399806976

00:48:13.650 --> 00:48:17.605 There was a widespread sense of relief

NOTE Confidence: 0.895247399806976

00:48:17.605 --> 00:48:21.092 that polio paralysis was no longer

NOTE Confidence: 0.895247399806976

00:48:21.092 --> 00:48:23.907 a constant threat to communities,

NOTE Confidence: 0.895247399806976

00:48:23.910 --> 00:48:27.590 and there was a vague hope that the

NOTE Confidence: 0.895247399806976

00:48:27.590 --> 00:48:31.282 care of living polio survivors would

NOTE Confidence: 0.895247399806976

00:48:31.282 --> 00:48:36.450 somehow go on in institutions far away from.

NOTE Confidence: 0.895247399806976

00:48:36.450 --> 00:48:37.876 Mainstream society.

NOTE Confidence: 0.895247399806976

00:48:37.876 --> 00:48:42.867 Paralyzed children did not fit the emerging

NOTE Confidence: 0.895247399806976

00:48:42.867 --> 00:48:46.398 picture of happy suburban families.

NOTE Confidence: 0.895247399806976

00:48:46.400 --> 00:48:48.900 Boys playing baseball girls

NOTE Confidence: 0.895247399806976

00:48:48.900 --> 00:48:51.403 playing jump rope, braces,

NOTE Confidence: 0.895247399806976

00:48:51.403 --> 00:48:53.895 crutches and wheelchairs was

NOTE Confidence: 0.895247399806976

00:48:53.895 --> 00:48:57.650 symbols of the bad old days.

NOTE Confidence: 0.895247399806976

00:48:57.650 --> 00:49:00.974 Now forgetting sister Kenny also reflected

NOTE Confidence: 0.895247399806976

00:49:00.974 --> 00:49:05.149 a wider optimism among medical professionals.

NOTE Confidence: 0.895247399806976

00:49:05.150 --> 00:49:08.280 Any American public that the

NOTE Confidence: 0.895247399806976

00:49:08.280 --> 00:49:10.784 power of medical science.

NOTE Confidence: 0.895247399806976

00:49:10.790 --> 00:49:13.270 Was conquering not just polio,

NOTE Confidence: 0.895247399806976

00:49:13.270 --> 00:49:16.735 but all infectious diseases, one by one,

NOTE Confidence: 0.895247399806976

00:49:16.740 --> 00:49:19.220 by vaccines and modern drugs,

NOTE Confidence: 0.895247399806976

00:49:19.220 --> 00:49:21.570 health officials now said that

NOTE Confidence: 0.895247399806976

00:49:21.570 --> 00:49:24.680 the US had turned a corner,

NOTE Confidence: 0.895247399806976

00:49:24.680 --> 00:49:27.404 and that the new public health

NOTE Confidence: 0.895247399806976

00:49:27.404 --> 00:49:30.130 battles would be to confront,

NOTE Confidence: 0.895247399806976

00:49:30.130 --> 00:49:32.885 not contagious but chronic ills

NOTE Confidence: 0.895247399806976

00:49:32.885 --> 00:49:35.640 like cancer and heart disease.

NOTE Confidence: 0.895247399806976

00:49:35.640 --> 00:49:36.283 Now,

NOTE Confidence: 0.895247399806976

00:49:36.283 --> 00:49:39.498 many of these assumptions were

NOTE Confidence: 0.895247399806976

00:49:39.498 --> 00:49:43.010 disrupted by the emergence of aids,

NOTE Confidence: 0.895247399806976

00:49:43.010 --> 00:49:46.080 arguably allfirst modern pandemic in

NOTE Confidence: 0.895247399806976

00:49:46.080 --> 00:49:49.722 the 1980s. There was widespread panic.

NOTE Confidence: 0.895247399806976

00:49:49.722 --> 00:49:54.062 Fear that the deadly aids virus would

NOTE Confidence: 0.895247399806976

00:49:54.062 --> 00:49:58.353 kill not only already stigmatized gay men,

NOTE Confidence: 0.895247399806976

00:49:58.360 --> 00:50:02.038 but also so called innocent Americans.

NOTE Confidence: 0.895247399806976

00:50:02.040 --> 00:50:06.350 And this Hispanic was fueled by anger.

NOTE Confidence: 0.895247399806976

00:50:06.350 --> 00:50:08.815 That medical scientists were not

NOTE Confidence: 0.895247399806976

00:50:08.815 --> 00:50:11.821 able to swiftly develop a vaccine

NOTE Confidence: 0.895247399806976

00:50:11.821 --> 00:50:14.950 or some other kind of medical fix.

NOTE Confidence: 0.895247399806976

00:50:14.950 --> 00:50:16.998 And as we know,

NOTE Confidence: 0.895247399806976

00:50:16.998 --> 00:50:20.070 after 30 years there is still

NOTE Confidence: 0.895247399806976

00:50:20.187 --> 00:50:22.917 no vaccine for HIV aids.

NOTE Confidence: 0.895247399806976

00:50:22.920 --> 00:50:26.720 So now I want to turn talk a

81

00:50:26.720 --> 00:50:30.477 little bit about COVID-19 and the

00:50:30.480 --> 00:50:33.180 rediscovery of the Spanish pandemic.

00:50:33.180 --> 00:50:35.340 With this our modern,

00:50:35.340 --> 00:50:37.750 now second modern pandemic.

00:50:37.750 --> 00:50:41.740 Many have turned to history for

00:50:41.740 --> 00:50:45.093 explanations for lessons and perhaps also

00:50:45.093 --> 00:50:50.128 for a sense of calm or or maybe maybe hope.

00:50:50.130 --> 00:50:53.406 The Spanish pandemic has been rediscovered,

00:50:53.410 --> 00:50:56.554 in part reflecting the media search

00:50:56.554 --> 00:50:59.875 for some other large scale epidemic

00:50:59.875 --> 00:51:03.809 respiratory disease in a past one wear.

00:51:03.810 --> 00:51:06.695 Black and white photographs control

00:51:06.695 --> 00:51:10.370 people wearing masks must just like us,

00:51:10.370 --> 00:51:10.900 right?

00:51:10.900 --> 00:51:14.610 The and also detail the takeover of

00:51:14.610 --> 00:51:17.478 public spaces for hospital care,

NOTE Confidence: 0.895247399806976

00:51:17.480 --> 00:51:20.510 as Joanna has shown us.

NOTE Confidence: 0.895247399806976

00:51:20.510 --> 00:51:22.043 The Spanish flu.

NOTE Confidence: 0.895247399806976

00:51:22.043 --> 00:51:25.620 Was a disease like covid that was

NOTE Confidence: 0.919196116924286

00:51:25.724 --> 00:51:29.199 highly contagious and also deadly.

NOTE Confidence: 0.919196116924286

00:51:29.200 --> 00:51:32.308 It attacked young healthy people and

NOTE Confidence: 0.919196116924286

00:51:32.308 --> 00:51:36.450 appeared at a time when scientists appeared

NOTE Confidence: 0.919196116924286

00:51:36.450 --> 00:51:41.000 to have little to offer that pandemic.

NOTE Confidence: 0.919196116924286

00:51:41.000 --> 00:51:42.976 Involved a different version

NOTE Confidence: 0.919196116924286

00:51:42.976 --> 00:51:45.446 of our more familiar flu,

NOTE Confidence: 0.919196116924286

00:51:45.450 --> 00:51:48.408 which does now have a vaccine,

NOTE Confidence: 0.919196116924286

00:51:48.410 --> 00:51:52.354 but one that only works year to year.

NOTE Confidence: 0.919196116924286

00:51:52.360 --> 00:51:55.318 If the flu virus has not

NOTE Confidence: 0.919196116924286

00:51:55.318 --> 00:51:56.814 significantly mutated, right?

NOTE Confidence: 0.919196116924286

00:51:56.814 --> 00:52:00.342 This is why the CDC always reminds

NOTE Confidence: 0.919196116924286

00:52:00.342 --> 00:52:03.227 people to get your flu shot,

00:52:03.230 --> 00:52:07.174 by which they mean your knew flu shot.

00:52:07.180 --> 00:52:11.626 Now I'm not sure, and this is my concluding.

00:52:11.630 --> 00:52:14.258 A paragraph, I'm not sure that

00:52:14.258 --> 00:52:17.160 as a historian of disease, that.

00:52:17.160 --> 00:52:20.000 Thinking about this moment.

00:52:20.000 --> 00:52:24.508 Doesn't offer much wisdom from the past,

00:52:24.510 --> 00:52:28.368 but studying the 1918 pandemic along

00:52:28.368 --> 00:52:32.384 with other epidemics I think helps

00:52:32.384 --> 00:52:35.969 us to understand popular frustration.

00:52:35.970 --> 00:52:39.810 Both with strict public health rules

00:52:39.810 --> 00:52:43.380 and with erratic scientific progress,

00:52:43.380 --> 00:52:49.940 and it it gives us. Oh, a wider awareness.

00:52:49.940 --> 00:52:52.620 Maybe understanding for the

00:52:52.620 --> 00:52:55.708 desperate search that we see all

00:52:55.708 --> 00:52:59.042 around us to find an easy fix.

00:52:59.042 --> 00:53:01.290 Thank you very much.

NOTE Confidence: 0.834540784358978

00:53:03.490 --> 00:53:07.640 Thank you so much, Professor Rogers.

NOTE Confidence: 0.903737604618073

00:53:07.640 --> 00:53:09.817 Before we get to an open discussion

NOTE Confidence: 0.903737604618073

00:53:09.817 --> 00:53:12.310 in the QA, we have one more speaker,

NOTE Confidence: 0.903737604618073

00:53:12.310 --> 00:53:13.357 professor John Harley.

NOTE Confidence: 0.903737604618073

00:53:13.357 --> 00:53:15.451 Warner is the Avalon Professor and

NOTE Confidence: 0.903737604618073

00:53:15.451 --> 00:53:17.175 Sheriff history of medicine here at

NOTE Confidence: 0.903737604618073

00:53:17.175 --> 00:53:19.777 Yale at the School of Medicine also is a

NOTE Confidence: 0.903737604618073

00:53:19.777 --> 00:53:21.322 professor of history, American studies,

NOTE Confidence: 0.903737604618073

00:53:21.322 --> 00:53:23.188 and history of Science and medicine.

NOTE Confidence: 0.903737604618073

00:53:23.190 --> 00:53:24.434 He teaches graduate medical,

NOTE Confidence: 0.903737604618073

00:53:24.434 --> 00:53:25.367 an undergraduate students.

NOTE Confidence: 0.903737604618073

00:53:25.370 --> 00:53:26.920 His research focuses on science,

NOTE Confidence: 0.903737604618073

00:53:26.920 --> 00:53:28.768 medicine and the health cultures from

NOTE Confidence: 0.903737604618073

00:53:28.768 --> 00:53:30.649 the 18th century through the present.

NOTE Confidence: 0.903737604618073

00:53:30.650 --> 00:53:33.074 It was John who I initially reached out

NOTE Confidence: 0.903737604618073

00:53:33.074 --> 00:53:35.594 to with this idea, and I should say,

NOTE Confidence: 0.903737604618073

00:53:35.594 --> 00:53:38.169 and I apologize again for not being here.

NOTE Confidence: 0.903737604618073

00:53:38.170 --> 00:53:40.573 To introduce all of this, but this was.

NOTE Confidence: 0.903737604618073

00:53:40.573 --> 00:53:42.470 This idea was hatched is being cosponsored

NOTE Confidence: 0.903737604618073

00:53:42.521 --> 00:53:44.551 from our program as well as the

NOTE Confidence: 0.903737604618073

00:53:44.551 --> 00:53:45.960 Interdisciplinary Center for bioethics,

NOTE Confidence: 0.903737604618073

00:53:45.960 --> 00:53:47.787 our sister program on the main campus,

NOTE Confidence: 0.903737604618073

00:53:47.790 --> 00:53:49.350 and in speaking with my counterpart

NOTE Confidence: 0.903737604618073

00:53:49.350 --> 00:53:50.422 over there, Steve Latham.

NOTE Confidence: 0.903737604618073

00:53:50.422 --> 00:53:53.009 We thought this would be a great thing to do,

NOTE Confidence: 0.903737604618073

00:53:53.010 --> 00:53:53.793 and I said,

NOTE Confidence: 0.903737604618073

00:53:53.793 --> 00:53:55.620 let me reach out to my friend,

NOTE Confidence: 0.903737604618073

00:53:55.620 --> 00:53:56.106 John Warner,

NOTE Confidence: 0.903737604618073

00:53:56.106 --> 00:53:58.750 who is got a handle on all of this stuff,

NOTE Confidence: 0.903737604618073

00:53:58.750 --> 00:54:00.479 and John was kind enough to recommend

NOTE Confidence: 0.903737604618073

00:54:00.479 --> 00:54:02.138 Joanna as our speaker and Naomi,

NOTE Confidence: 0.903737604618073

00:54:02.140 --> 00:54:03.544 and he also was kind enough

NOTE Confidence: 0.903737604618073

00:54:03.544 --> 00:54:05.010 to volunteer as a panelist.

NOTE Confidence: 0.903737604618073

00:54:05.010 --> 00:54:07.114 So John thank you so much for helping

NOTE Confidence: 0.903737604618073

00:54:07.114 --> 00:54:08.986 organize and we look forward to your

NOTE Confidence: 0.903737604618073

00:54:08.986 --> 00:54:10.749 comments before we get to the Q&A.

NOTE Confidence: 0.903737604618073

00:54:10.750 --> 00:54:11.010 John

NOTE Confidence: 0.889284389359611

00:54:11.010 --> 00:54:13.936 Warner. Sure, well I I did that,

NOTE Confidence: 0.889284389359611

00:54:13.940 --> 00:54:16.766 knowing that both Joanna and Naomi

NOTE Confidence: 0.889284389359611

00:54:16.766 --> 00:54:20.027 know much more about this than I do.

NOTE Confidence: 0.889284389359611

00:54:20.030 --> 00:54:23.198 But Joanna rating bukins her book ends or

NOTE Confidence: 0.889284389359611

00:54:23.198 --> 00:54:26.452 talk with the attempts to recover the 1918

NOTE Confidence: 0.889284389359611

00:54:26.452 --> 00:54:29.600 flu virus from the Alaskan permafrost.

NOTE Confidence: 0.889284389359611

00:54:29.600 --> 00:54:32.582 And it's a reconstruction in a CDC

NOTE Confidence: 0.889284389359611

00:54:32.582 --> 00:54:35.590 laboratory which I have to say really

NOTE Confidence: 0.889284389359611

00:54:35.590 --> 00:54:38.598 strikes me as something that has the

NOTE Confidence: 0.889284389359611

00:54:38.598 --> 00:54:41.358 makings of a Michael Crichton novel.

NOTE Confidence: 0.889284389359611

00:54:41.360 --> 00:54:44.618 And I for one, would love to hear more

NOTE Confidence: 0.889284389359611

00:54:44.618 --> 00:54:47.529 about the kinds of ethical debate sparked

NOTE Confidence: 0.889284389359611

00:54:47.529 --> 00:54:50.969 by the idea of bringing this virus from

NOTE Confidence: 0.889284389359611

00:54:50.969 --> 00:54:54.768 the past back into into our present world.

NOTE Confidence: 0.889284389359611

00:54:54.768 --> 00:54:59.066 There are a host of tantalizing springboards.

NOTE Confidence: 0.889284389359611

00:54:59.070 --> 00:55:02.172 In the presentation ranging from vaccines

NOTE Confidence: 0.889284389359611

00:55:02.172 --> 00:55:04.679 and human experimentation during the

NOTE Confidence: 0.889284389359611

00:55:04.679 --> 00:55:07.599 pandemic to the place of the movie theater,

NOTE Confidence: 0.889284389359611

00:55:07.600 --> 00:55:10.204 the pandemic was actually a major

NOTE Confidence: 0.889284389359611

00:55:10.204 --> 00:55:12.482 event in the development of

NOTE Confidence: 0.889284389359611

00:55:12.482 --> 00:55:14.338 the Hollywood film industry.

NOTE Confidence: 0.889284389359611

00:55:14.340 --> 00:55:16.713 But here I'd like to just focus

NOTE Confidence: 0.889284389359611

00:55:16.713 --> 00:55:19.539 on 1st the germ consciousness of

NOTE Confidence: 0.889284389359611

00:55:19.539 --> 00:55:22.414 Americans at precisely this moment.

NOTE Confidence: 0.889284389359611

00:55:22.420 --> 00:55:24.344 That is, in 1918.

NOTE Confidence: 0.889284389359611

00:55:24.344 --> 00:55:26.749 And then on the way,

NOTE Confidence: 0.889284389359611

00:55:26.750 --> 00:55:29.020 is that epidemiological change and

NOTE Confidence: 0.889284389359611

00:55:29.020 --> 00:55:30.836 historiographic change the ways

NOTE Confidence: 0.889284389359611

00:55:30.836 --> 00:55:32.734 that historians go about their

NOTE Confidence: 0.889284389359611

00:55:32.734 --> 00:55:35.190 business so often go hand in hand?

NOTE Confidence: 0.889284389359611

00:55:35.190 --> 00:55:38.004 And what different segment that makes a,

NOTE Confidence: 0.889284389359611

00:55:38.010 --> 00:55:40.800 especially as we revisit the 1918

NOTE Confidence: 0.889284389359611

00:55:40.800 --> 00:55:43.050 pandemic during the current one?

NOTE Confidence: 0.889284389359611

00:55:43.050 --> 00:55:45.955 Expanding on Joanne's question of

NOTE Confidence: 0.889284389359611

00:55:45.955 --> 00:55:49.699 what did Americans think they knew no?

NOTE Confidence: 0.889284389359611

00:55:49.700 --> 00:55:50.712 In 1918?

NOTE Confidence: 0.889284389359611

00:55:50.712 --> 00:55:53.748 It does matter that Americans in

NOTE Confidence: 0.889284389359611

00:55:53.748 --> 00:55:57.901 1918 had a kind of lived experience

NOTE Confidence: 0.889284389359611

00:55:57.901 --> 00:55:59.115 with epidemics,

NOTE Confidence: 0.889284389359611

00:55:59.120 --> 00:56:03.131 and before the sulfa drugs of the

00:56:03.131 --> 00:56:06.319 1930s and antibiotics in the 1930s,

00:56:06.320 --> 00:56:06.848 uh,

00:56:06.848 --> 00:56:09.488 close familiarity with deaths from

00:56:09.488 --> 00:56:12.420 infectious diseases like typhoid pneumonia.

00:56:12.420 --> 00:56:17.201 And and tuberculosis that in some ways

00:56:17.201 --> 00:56:21.570 does distance our world from theirs.

00:56:21.570 --> 00:56:24.570 But I think it's also important

00:56:24.570 --> 00:56:27.551 to underscore the extent to which

00:56:27.551 --> 00:56:30.227 the 1918 pandemic occur in the

00:56:30.227 --> 00:56:32.730 very midst of an aggressive,

00:56:32.730 --> 00:56:33.231 intensive,

00:56:33.231 --> 00:56:35.235 often sensationalized campaign to

00:56:35.235 --> 00:56:38.242 convert Americans to what one historian

00:56:38.242 --> 00:56:41.231 is called the Gospel of germs to

00:56:41.231 --> 00:56:42.685 transform vernacular ideological

00:56:42.685 --> 00:56:45.340 beliefs and also everyday behavior.

NOTE Confidence: 0.889284389359611

00:56:45.340 --> 00:56:47.536 This campaign was extraordinarily

NOTE Confidence: 0.889284389359611

00:56:47.536 --> 00:56:51.414 prominent in the public mind at the

NOTE Confidence: 0.889284389359611

00:56:51.414 --> 00:56:53.879 time that influenza for struck.

NOTE Confidence: 0.889284389359611

00:56:53.880 --> 00:56:56.050 So in the first instance,

NOTE Confidence: 0.889284389359611

00:56:56.050 --> 00:56:59.074 conversion to the Gospel of germs targeted,

NOTE Confidence: 0.889284389359611

00:56:59.080 --> 00:57:02.536 making the home into a germ proof fortress,

NOTE Confidence: 0.889284389359611

00:57:02.540 --> 00:57:05.564 a burden that very much felt

NOTE Confidence: 0.889284389359611

00:57:05.564 --> 00:57:07.076 heaviest on women.

NOTE Confidence: 0.889284389359611

00:57:07.080 --> 00:57:09.180 But Americans with privilege

NOTE Confidence: 0.889284389359611

00:57:09.180 --> 00:57:11.805 couldn't simply shelter in place.

NOTE Confidence: 0.889284389359611

00:57:11.810 --> 00:57:15.317 The new belief that individual germs like

NOTE Confidence: 0.889284389359611

00:57:15.317 --> 00:57:18.649 the tubercle bacillus cause deadly diseases,

NOTE Confidence: 0.889284389359611

00:57:18.650 --> 00:57:20.614 restructured their daily lives

NOTE Confidence: 0.889284389359611

00:57:20.614 --> 00:57:23.560 as they ventured into the risky

NOTE Confidence: 0.889284389359611

00:57:23.643 --> 00:57:26.019 environments in the workplace,

NOTE Confidence: 0.889284389359611

00:57:26.020 --> 00:57:29.188 the streetcar church, hotel or restaurant.

NOTE Confidence: 0.889284389359611

00:57:29.190 --> 00:57:30.204 After all,

NOTE Confidence: 0.889284389359611

00:57:30.204 --> 00:57:33.246 people with who were infected with

NOTE Confidence: 0.889284389359611

00:57:33.246 --> 00:57:36.269 tuberculosis and in 1900 tuberculosis was

NOTE Confidence: 0.889284389359611

00:57:36.269 --> 00:57:39.820 responsible for one in 10 American deaths.

NOTE Confidence: 0.889284389359611

00:57:39.820 --> 00:57:42.255 Infected people could long remain

NOTE Confidence: 0.889284389359611

00:57:42.255 --> 00:57:44.690 unmarked by their disease and

NOTE Confidence: 0.889284389359611

00:57:44.777 --> 00:57:47.407 circulate rather freely in public.

NOTE Confidence: 0.889284389359611

00:57:47.410 --> 00:57:51.018 This was also true of the then new

NOTE Confidence: 0.889284389359611

00:57:51.018 --> 00:57:53.978 new concept of the asymptomatic,

NOTE Confidence: 0.889284389359611

00:57:53.980 --> 00:57:54.992 healthy carrier.

NOTE Confidence: 0.889284389359611

00:57:54.992 --> 00:57:58.032 Like the Irish Cook, Mary Mallon,

NOTE Confidence: 0.889284389359611

00:57:58.032 --> 00:58:00.056 demonized as typhoid Mary.

NOTE Confidence: 0.889284389359611

00:58:00.060 --> 00:58:02.364 And in 1950 inches,

NOTE Confidence: 0.889284389359611

00:58:02.364 --> 00:58:05.244 three years before the epidemic

NOTE Confidence: 0.889284389359611

00:58:05.244 --> 00:58:07.720 condemned to lifelong origin.

NOTE Confidence: 0.889284389359611

00:58:07.720 --> 00:58:10.900 So early in the 20th century,

NOTE Confidence: 0.889284389359611

00:58:10.900 --> 00:58:12.944 the National Tuberculosis Association

NOTE Confidence: 0.889284389359611

00:58:12.944 --> 00:58:16.010 had launched the first Mass Health

NOTE Confidence: 0.910530745983124

00:58:16.082 --> 00:58:18.847 Education campaign in American history,

NOTE Confidence: 0.910530745983124

00:58:18.850 --> 00:58:20.986 appropriating very much appropriating

NOTE Confidence: 0.910530745983124

00:58:20.986 --> 00:58:24.776 the techniques and the visual culture of

NOTE Confidence: 0.910530745983124

00:58:24.776 --> 00:58:27.326 the newly emerging advertising industry.

NOTE Confidence: 0.910530745983124

00:58:27.330 --> 00:58:29.980 It's posters and billboards were

NOTE Confidence: 0.910530745983124

00:58:29.980 --> 00:58:33.160 heavy handed, but hard to miss,

NOTE Confidence: 0.910530745983124

00:58:33.160 --> 00:58:36.350 as were its traveling exhibits, plays,

NOTE Confidence: 0.910530745983124

00:58:36.350 --> 00:58:38.510 pageants and parades, including.

NOTE Confidence: 0.910530745983124

00:58:38.510 --> 00:58:42.022 And some of the parades elephants who were

NOTE Confidence: 0.910530745983124

00:58:42.022 --> 00:58:45.610 draped in the warning spit spreads death.

NOTE Confidence: 0.910530745983124

00:58:45.610 --> 00:58:47.053 It was ubiquitous.

NOTE Confidence: 0.910530745983124

00:58:47.053 --> 00:58:49.939 The Association joined with the American

NOTE Confidence: 0.910530745983124

00:58:49.939 --> 00:58:53.167 Red Cross in a Christmas Seal Campaign,

NOTE Confidence: 0.910530745983124

00:58:53.170 --> 00:58:55.230 which combined education, spectacle,

NOTE Confidence: 0.910530745983124

00:58:55.230 --> 00:58:57.805 and fundraising and also drew

NOTE Confidence: 0.910530745983124

00:58:57.805 --> 00:59:00.487 heavily from one other new medium

NOTE Confidence: 0.910530745983124

00:59:00.487 --> 00:59:02.159 for publicity and education,

NOTE Confidence: 0.910530745983124

00:59:02.160 --> 00:59:03.822 namely motion pictures.

NOTE Confidence: 0.910530745983124

00:59:03.822 --> 00:59:06.592 And in 1950s they began

NOTE Confidence: 0.910530745983124

00:59:06.592 --> 00:59:08.540 enlisting American children,

NOTE Confidence: 0.910530745983124

00:59:08.540 --> 00:59:12.756 over 7 million of them in a children's

NOTE Confidence: 0.910530745983124

00:59:12.756 --> 00:59:15.180 crusade against tuberculosis.

NOTE Confidence: 0.910530745983124

00:59:15.180 --> 00:59:17.070 So before 1918.

NOTE Confidence: 0.910530745983124

00:59:17.070 --> 00:59:20.850 Women were being counselled to wear

NOTE Confidence: 0.910530745983124

00:59:20.850 --> 00:59:24.840 washable gloves when they went shopping,

NOTE Confidence: 0.910530745983124

00:59:24.840 --> 00:59:28.248 as in a Good Housekeeping article from the

NOTE Confidence: 0.910530745983124

00:59:28.248 --> 00:59:31.708 time called a course in scientific shopping.

NOTE Confidence: 0.910530745983124

00:59:31.710 --> 00:59:33.955 Children were cautioned about the

NOTE Confidence: 0.910530745983124

00:59:33.955 --> 00:59:37.199 dangers of door knobs and paper money,

NOTE Confidence: 0.910530745983124

00:59:37.200 --> 00:59:40.116 and everyone was warned about this

NOTE Confidence: 0.910530745983124

00:59:40.116 --> 00:59:42.060 shared drinking Cup manufacturers

NOTE Confidence: 0.910530745983124

00:59:42.134 --> 00:59:44.792 and ad agencies promoted the germ

NOTE Confidence: 0.910530745983124

00:59:44.792 --> 00:59:47.056 theory by marketing consumer goods

NOTE Confidence: 0.910530745983124

00:59:47.056 --> 00:59:49.564 ranging from the germ proof pastor.

NOTE Confidence: 0.910530745983124

00:59:49.570 --> 00:59:50.542 Water filter,

NOTE Confidence: 0.910530745983124

00:59:50.542 --> 00:59:53.944 it had nothing to do with pastor

NOTE Confidence: 0.910530745983124

00:59:53.944 --> 00:59:56.712 to German sides like Listerine

NOTE Confidence: 0.910530745983124

00:59:56.712 --> 00:59:59.982 to the new Dixie Paper Cup.

NOTE Confidence: 0.910530745983124

00:59:59.990 --> 01:00:02.130 This was the moment went

NOTE Confidence: 0.910530745983124

01:00:02.130 --> 01:00:03.414 Protestant congregations rethought

NOTE Confidence: 0.910530745983124

01:00:03.414 --> 01:00:05.190 the shared Communion Cup,

NOTE Confidence: 0.910530745983124

01:00:05.190 --> 01:00:07.425 and when hotels first introduced

NOTE Confidence: 0.910530745983124

01:00:07.425 --> 01:00:10.968 new cakes of rap soap for each new

01:00:10.968 --> 01:00:13.810 guest at also extra long sheets that

01:00:13.895 --> 01:00:16.877 could be folded down on the blanket,

01:00:16.880 --> 01:00:18.608 the sheet was washed.

01:00:18.608 --> 01:00:20.773 The blanket you never knew,

01:00:20.773 --> 01:00:22.586 unchecked coughing and sneezing,

01:00:22.586 --> 01:00:25.424 and above all a spitting became

01:00:25.424 --> 01:00:27.997 Cardinal sins as fear of germs

01:00:27.997 --> 01:00:30.307 really fashioned a new kind of.

01:00:30.310 --> 01:00:31.870 Public health citizenship.

01:00:31.870 --> 01:00:34.990 Among African Americans at the time,

01:00:34.990 --> 01:00:37.720 tubercule death rates were as high

01:00:37.720 --> 01:00:41.611 as two to three times that of the

01:00:41.611 --> 01:00:44.086 native born affluent and white.

01:00:44.090 --> 01:00:46.765 But reassuring themselves that it's

01:00:46.765 --> 01:00:51.259 not about us was not a safe bet for

01:00:51.259 --> 01:00:54.510 those with privilege in the 19 teens,

NOTE Confidence: 0.910530745983124

01:00:54.510 --> 01:00:57.200 African American activist groups like

NOTE Confidence: 0.910530745983124

01:00:57.200 --> 01:00:59.890 the Anti Tuberculosis Association of

NOTE Confidence: 0.910530745983124

01:00:59.966 --> 01:01:02.438 Atlanta used a slogans like germs.

NOTE Confidence: 0.910530745983124

01:01:02.440 --> 01:01:04.104 No no color line,

NOTE Confidence: 0.910530745983124

01:01:04.104 --> 01:01:07.172 and the socialism of the micro to

NOTE Confidence: 0.910530745983124

01:01:07.172 --> 01:01:09.597 motivate white attention to the

NOTE Confidence: 0.910530745983124

01:01:09.597 --> 01:01:12.320 health needs of black neighborhoods

NOTE Confidence: 0.910530745983124

01:01:12.320 --> 01:01:14.399 with some success.

NOTE Confidence: 0.910530745983124

01:01:14.400 --> 01:01:18.344 Uh well in 1918 here in New Haven,

NOTE Confidence: 0.910530745983124

01:01:18.350 --> 01:01:20.635 middle class leaders of the

NOTE Confidence: 0.910530745983124

01:01:20.635 --> 01:01:22.463 largely segregated and impoverished

NOTE Confidence: 0.910530745983124

01:01:22.463 --> 01:01:24.279 Italian immigrant community,

NOTE Confidence: 0.910530745983124

01:01:24.280 --> 01:01:27.238 in which the influence adept sorry,

NOTE Confidence: 0.910530745983124

01:01:27.240 --> 01:01:29.008 the influenza death toll,

NOTE Confidence: 0.910530745983124

01:01:29.008 --> 01:01:31.218 was about twice that of

NOTE Confidence: 0.910530745983124

01:01:31.218 --> 01:01:33.669 the cities Anglo community.

NOTE Confidence: 0.910530745983124

01:01:33.670 --> 01:01:36.724 They successfully used influenza and its

NOTE Confidence: 0.910530745983124

01:01:36.724 --> 01:01:39.302 connection with more time patriotism

NOTE Confidence: 0.910530745983124

01:01:39.302 --> 01:01:42.074 to advance the simulation and to

NOTE Confidence: 0.910530745983124

01:01:42.074 --> 01:01:45.627 uplift the image of the immigrant community.

NOTE Confidence: 0.910530745983124

01:01:45.630 --> 01:01:49.340 Among outsiders For our students,

NOTE Confidence: 0.910530745983124

01:01:49.340 --> 01:01:51.500 many of them who are attracted

NOTE Confidence: 0.910530745983124

01:01:51.500 --> 01:01:53.690 to the history of Medicine.

NOTE Confidence: 0.910530745983124

01:01:53.690 --> 01:01:56.066 The first place by what they

NOTE Confidence: 0.910530745983124

01:01:56.066 --> 01:01:57.650 see as its activist,

NOTE Confidence: 0.910530745983124

01:01:57.650 --> 01:01:58.032 potential,

NOTE Confidence: 0.910530745983124

01:01:58.032 --> 01:02:00.706 and acutely mindful of the ways that

NOTE Confidence: 0.910530745983124

01:02:00.706 --> 01:02:03.197 COVID-19 has brought into sharp relief.

NOTE Confidence: 0.910530745983124

01:02:03.200 --> 01:02:05.612 Or I should say public relief

NOTE Confidence: 0.910530745983124

01:02:05.612 --> 01:02:08.348 because we knew this all the time.

NOTE Confidence: 0.910530745983124

98

01:02:08.350 --> 01:02:10.934 But the way that weighs the Covid has

NOTE Confidence: 0.910530745983124

01:02:10.934 --> 01:02:13.120 brought into sharp relief disparities

NOTE Confidence: 0.910530745983124

01:02:13.120 --> 01:02:15.080 rooted in structural racism,

NOTE Confidence: 0.910530745983124

01:02:15.080 --> 01:02:16.680 inadequate public health infrastructure,

NOTE Confidence: 0.910530745983124

01:02:16.680 --> 01:02:18.280 and for so many.

NOTE Confidence: 0.8932044506073

01:02:18.280 --> 01:02:21.906 Broken health care system for our students.

NOTE Confidence: 0.8932044506073

01:02:21.910 --> 01:02:24.675 Progressive Era examples like these

NOTE Confidence: 0.8932044506073

01:02:24.675 --> 01:02:27.992 are suggestive of how perhaps fear

NOTE Confidence: 0.8932044506073

01:02:27.992 --> 01:02:30.794 of germs today might possibly be

NOTE Confidence: 0.8932044506073

01:02:30.794 --> 01:02:33.819 placed in service of social justice.

NOTE Confidence: 0.8932044506073

01:02:33.820 --> 01:02:36.844 The other thing that I just point

NOTE Confidence: 0.8932044506073

01:02:36.844 --> 01:02:40.125 to hear sort of echoing Naomi

NOTE Confidence: 0.8932044506073

01:02:40.125 --> 01:02:42.645 on remembering and forgetting.

NOTE Confidence: 0.8932044506073

01:02:42.650 --> 01:02:45.548 Went to the way that disease in

NOTE Confidence: 0.8932044506073

01:02:45.548 --> 01:02:48.242 the present changes the ways that

NOTE Confidence: 0.8932044506073

01:02:48.242 --> 01:02:50.517 historians right about the task

NOTE Confidence: 0.8932044506073

01:02:50.517 --> 01:02:53.376 and relate that them both to the

NOTE Confidence: 0.8932044506073

01:02:53.376 --> 01:02:55.698 future and nowhere in my lifetime.

NOTE Confidence: 0.8932044506073

01:02:55.698 --> 01:02:59.730 More so than with the case of HIV aids.

NOTE Confidence: 0.8932044506073

01:02:59.730 --> 01:03:03.384 The early 1980s there was really a

NOTE Confidence: 0.8932044506073

01:03:03.384 --> 01:03:06.958 frenzied race among historians to find

NOTE Confidence: 0.8932044506073

01:03:06.958 --> 01:03:10.762 telling models in epidemics like plague,

NOTE Confidence: 0.8932044506073

01:03:10.770 --> 01:03:13.094 Cholera, and yellow fever.

NOTE Confidence: 0.8932044506073

01:03:13.094 --> 01:03:14.837 By the 1990s,

NOTE Confidence: 0.8932044506073

01:03:14.840 --> 01:03:17.555 these epidemic models were losing

NOTE Confidence: 0.8932044506073

01:03:17.555 --> 01:03:21.611 their purchase as HIV aids was being

NOTE Confidence: 0.8932044506073

01:03:21.611 --> 01:03:24.716 reconceptualized as a chronic disease.

NOTE Confidence: 0.8932044506073

01:03:24.720 --> 01:03:27.492 It all prompted one historian of aids

NOTE Confidence: 0.8932044506073

01:03:27.492 --> 01:03:31.136 to suggest to me at the time that just

NOTE Confidence: 0.8932044506073

01:03:31.136 --> 01:03:33.499 suggested that Satiana got it wrong.

NOTE Confidence: 0.8932044506073

01:03:33.500 --> 01:03:36.620 Got it wrong in saying those who cannot

NOTE Confidence: 0.8932044506073

01:03:36.620 --> 01:03:39.878 remember the past are condemned to repeat it.

NOTE Confidence: 0.8932044506073

01:03:39.880 --> 01:03:40.280 Instead,

NOTE Confidence: 0.8932044506073

01:03:40.280 --> 01:03:42.280 as he proposed to me,

NOTE Confidence: 0.8932044506073

01:03:42.280 --> 01:03:45.332 those who do remember the past are

NOTE Confidence: 0.8932044506073

01:03:45.332 --> 01:03:48.580 condemned to make the wrong comparisons.

NOTE Confidence: 0.8932044506073

01:03:48.580 --> 01:03:49.052 Still,

NOTE Confidence: 0.8932044506073

01:03:49.052 --> 01:03:51.884 aids did transform not only the

NOTE Confidence: 0.8932044506073

01:03:51.884 --> 01:03:54.258 writing but teaching of medical

NOTE Confidence: 0.8932044506073

01:03:54.258 --> 01:03:57.310 history and COVID-19 will do the same.

NOTE Confidence: 0.8932044506073

01:03:57.310 --> 01:04:01.438 Many of our students were not born yet.

NOTE Confidence: 0.8932044506073

01:04:01.440 --> 01:04:05.045 By the early years of HIV aids,

NOTE Confidence: 0.8932044506073

01:04:05.050 --> 01:04:09.181 but an here's sort of echo and Joanna on

NOTE Confidence: 0.8932044506073

01:04:09.181 --> 01:04:13.815 her course on the history of global health.

NOTE Confidence: 0.8932044506073

01:04:13.820 --> 01:04:16.325 Covid will be a formative

NOTE Confidence: 0.8932044506073

01:04:16.325 --> 01:04:19.500 experience in each of their lives.

NOTE Confidence: 0.8932044506073

01:04:19.500 --> 01:04:22.315 The anxieties that animated the

NOTE Confidence: 0.8932044506073

01:04:22.315 --> 01:04:24.567 crusade against tuberculosis before

NOTE Confidence: 0.8932044506073

01:04:24.567 --> 01:04:27.796 they packs antibiotic A and the masks.

NOTE Confidence: 0.8932044506073

01:04:27.800 --> 01:04:30.375 Handkerchiefs and social distancing of

NOTE Confidence: 0.8932044506073

01:04:30.375 --> 01:04:33.669 1918 will be newly legible to them,

NOTE Confidence: 0.8932044506073

01:04:33.670 --> 01:04:36.115 and the questions that the

NOTE Confidence: 0.8932044506073

01:04:36.115 --> 01:04:38.560 present inspires about the past,

NOTE Confidence: 0.8932044506073

01:04:38.560 --> 01:04:41.488 I think, will change yet again,

NOTE Confidence: 0.8932044506073

01:04:41.490 --> 01:04:43.940 if the current pandemic fades,

NOTE Confidence: 0.8932044506073

01:04:43.940 --> 01:04:46.300 but endemic infection lingers.

NOTE Confidence: 0.8932044506073

01:04:46.300 --> 01:04:46.890 Uhm,

NOTE Confidence: 0.8932044506073

01:04:46.890 --> 01:04:49.754 I will start with that other than to

NOTE Confidence: 0.8932044506073

01:04:49.754 --> 01:04:52.844 say that this is one reason why I'm

NOTE Confidence: 0.8932044506073

01:04:52.844 --> 01:04:55.326 so looking forward to the discussion

NOTE Confidence: 0.8932044506073

01:04:55.326 --> 01:04:58.385 and to the kinds of questions that

NOTE Confidence: 0.8932044506073

01:04:58.385 --> 01:05:00.825 might help inform the new historical

NOTE Confidence: 0.8932044506073

01:05:00.825 --> 01:05:03.210 investigations that are sure to come.

NOTE Confidence: 0.8932044506073

01:05:03.210 --> 01:05:05.646 I'm especially eager to hear what

NOTE Confidence: 0.8932044506073

01:05:05.646 --> 01:05:07.270 residences and also dissonances

NOTE Confidence: 0.8932044506073

01:05:07.335 --> 01:05:09.145 reflecting your reflecting on 1918

NOTE Confidence: 0.8932044506073

01:05:09.145 --> 01:05:11.959 bring to mind about our present moment,

NOTE Confidence: 0.8932044506073

01:05:11.960 --> 01:05:14.348 and I will start with that.

NOTE Confidence: 0.875629186630249

01:05:14.950 --> 01:05:16.580 Thank you so much John.

NOTE Confidence: 0.875629186630249

01:05:16.580 --> 01:05:19.180 I'm I'd like to invite you now folks.

NOTE Confidence: 0.875629186630249

01:05:19.180 --> 01:05:21.376 Uh, if we have we got a hard stop

NOTE Confidence: 0.875629186630249

01:05:21.376 --> 01:05:24.103 at 6:30 so we have 20 minutes for

NOTE Confidence: 0.875629186630249

01:05:24.103 --> 01:05:26.328 conversation and the way that conversation

NOTE Confidence: 0.875629186630249

01:05:26.328 --> 01:05:28.932 will work please is with the Q&A.

NOTE Confidence: 0.875629186630249

01:05:28.940 --> 01:05:30.760 Nothing joann up as well.

NOTE Confidence: 0.875629186630249

01:05:30.760 --> 01:05:33.312 There we go and with the Q&A bar

NOTE Confidence: 0.875629186630249

01:05:33.312 --> 01:05:35.837 at the bottom of your screen.

NOTE Confidence: 0.875629186630249

01:05:35.840 --> 01:05:37.792 You can ask a question and I will

NOTE Confidence: 0.875629186630249

01:05:37.792 --> 01:05:40.094 relate that to the speakers so you can

NOTE Confidence: 0.875629186630249

01:05:40.094 --> 01:05:41.754 identify speaker you'd like to address

NOTE Confidence: 0.875629186630249

01:05:41.754 --> 01:05:44.000 it to or address it to to all of them,

NOTE Confidence: 0.875629186630249

01:05:44.000 --> 01:05:46.040 and then we'll see who wants to respond.

NOTE Confidence: 0.875629186630249

01:05:46.040 --> 01:05:47.570 And while we're waiting for that,

NOTE Confidence: 0.875629186630249

01:05:47.570 --> 01:05:50.120 I do have one thing that came to the chat,

NOTE Confidence: 0.875629186630249

01:05:50.120 --> 01:05:51.807 which I would share with the group

NOTE Confidence: 0.875629186630249

01:05:51.807 --> 01:05:53.866 was simply it was a question about how

NOTE Confidence: 0.875629186630249

01:05:53.866 --> 01:05:55.971 long did the quarantine in the 1918 flu

NOTE Confidence: 0.875629186630249

01:05:55.971 --> 01:05:57.763 last and where this was their parallel

NOTE Confidence: 0.875629186630249

01:05:57.770 --> 01:05:59.300 unrest to what we're seeing today.

NOTE Confidence: 0.772640943527222

01:06:01.960 --> 01:06:06.050 From what I can say is, uhm.

NOTE Confidence: 0.772640943527222

01:06:06.050 --> 01:06:08.270 The quarantine situation is somewhat

NOTE Confidence: 0.772640943527222

01:06:08.270 --> 01:06:11.210 different than what we're dealing with now,

NOTE Confidence: 0.772640943527222

01:06:11.210 --> 01:06:13.730 but there were some groups that,

NOTE Confidence: 0.772640943527222

01:06:13.730 --> 01:06:16.782 um anti anti masking group some like

NOTE Confidence: 0.772640943527222

01:06:16.782 --> 01:06:20.102 today of groups of people that were for

NOTE Confidence: 0.772640943527222

01:06:20.102 --> 01:06:22.970 the same reasons you know not interested

NOTE Confidence: 0.772640943527222

01:06:22.970 --> 01:06:25.910 in in wearing masks and Proton protested.

NOTE Confidence: 0.772640943527222

01:06:25.910 --> 01:06:29.330 I would be mindful of in this case drawing

NOTE Confidence: 0.772640943527222

01:06:29.330 --> 01:06:33.368 too strong of a parallel in terms of the

NOTE Confidence: 0.772640943527222

01:06:33.368 --> 01:06:36.416 political divides in which that breaks out.

NOTE Confidence: 0.772640943527222

01:06:36.420 --> 01:06:39.416 Today, um, but just to say that,

NOTE Confidence: 0.772640943527222

01:06:39.420 --> 01:06:41.891 um, to the points that were made

NOTE Confidence: 0.772640943527222

01:06:41.891 --> 01:06:45.224 about the way that a 1918 helps us

NOTE Confidence: 0.772640943527222

01:06:45.224 --> 01:06:47.414 understand different kinds of public

NOTE Confidence: 0.772640943527222

01:06:47.493 --> 01:06:50.349 health practices in ways that people

NOTE Confidence: 0.772640943527222

01:06:50.349 --> 01:06:52.688 were instructed by public health

NOTE Confidence: 0.772640943527222

01:06:52.688 --> 01:06:54.400 officials to protect themselves,

NOTE Confidence: 0.772640943527222

01:06:54.400 --> 01:06:57.980 that there were, you know, this.

NOTE Confidence: 0.772640943527222

01:06:57.980 --> 01:07:00.555 There was resistance and people

NOTE Confidence: 0.772640943527222

01:07:00.555 --> 01:07:03.760 were not content to follow those.

NOTE Confidence: 0.772640943527222

01:07:03.760 --> 01:07:06.380 Follow those guides Naomi you

NOTE Confidence: 0.772640943527222

01:07:06.380 --> 01:07:08.476 wanted to add anything.

NOTE Confidence: 0.900055289268494

01:07:09.190 --> 01:07:13.215 Uhm, no I I think it's right

NOTE Confidence: 0.900055289268494

01:07:13.215 --> 01:07:15.690 to Quarantine the porn.

NOTE Confidence: 0.900055289268494

01:07:15.690 --> 01:07:19.428 Teens were very much determined by local

NOTE Confidence: 0.900055289268494

01:07:19.428 --> 01:07:23.379 mayors and local public health officials.

NOTE Confidence: 0.900055289268494

01:07:23.380 --> 01:07:26.684 As far as I'm, I'm mostly aware uhm,

NOTE Confidence: 0.900055289268494

01:07:26.690 --> 01:07:29.738 and they varied usually come in terms of

NOTE Confidence: 0.900055289268494

01:07:29.738 --> 01:07:32.489 months that that was my understanding.

NOTE Confidence: 0.900055289268494

01:07:32.490 --> 01:07:34.974 There's been some interesting work recently

NOTE Confidence: 0.900055289268494

01:07:34.974 --> 01:07:38.279 to look at the rates of the pandemic.

NOTE Confidence: 0.900055289268494

01:07:38.280 --> 01:07:40.764 Depending on the numbers of months

NOTE Confidence: 0.900055289268494

01:07:40.764 --> 01:07:42.420 that individual communities had,

NOTE Confidence: 0.900055289268494

01:07:42.420 --> 01:07:45.548 but it seems to me that there are

NOTE Confidence: 0.900055289268494

106

01:07:45.548 --> 01:07:48.473 actually a lot of variables that go

NOTE Confidence: 0.900055289268494

01:07:48.473 --> 01:07:51.949 into that that may be over and above.

NOTE Confidence: 0.900055289268494

01:07:51.950 --> 01:07:54.462 Simply the actual number of days.

NOTE Confidence: 0.900055289268494

01:07:54.462 --> 01:07:57.048 So there's a lot more that

NOTE Confidence: 0.900055289268494

01:07:57.048 --> 01:07:59.018 we that we need to

NOTE Confidence: 0.902350962162018

01:07:59.020 --> 01:08:01.995 understand. There I would just the only

NOTE Confidence: 0.902350962162018

01:08:01.995 --> 01:08:05.402 thing I would add is the quarantine was

NOTE Confidence: 0.902350962162018

01:08:05.402 --> 01:08:08.320 so variable from one city to another

NOTE Confidence: 0.902350962162018

01:08:08.320 --> 01:08:11.464 city and also one of the problems with

NOTE Confidence: 0.902350962162018

01:08:11.470 --> 01:08:14.080 with Corentin and something that really

NOTE Confidence: 0.902350962162018

01:08:14.080 --> 01:08:16.450 different separate things from today is.

NOTE Confidence: 0.902350962162018

01:08:16.450 --> 01:08:19.636 There was no test for the flu and a

NOTE Confidence: 0.902350962162018

01:08:19.636 --> 01:08:22.867 repeated question was how do you go

NOTE Confidence: 0.902350962162018

01:08:22.867 --> 01:08:25.220 about distinguishing the common cold.

NOTE Confidence: 0.902350962162018

01:08:25.220 --> 01:08:28.538 From what something that is developing

NOTE Confidence: 0.902350962162018

01:08:28.538 --> 01:08:33.321 into the flu and how do you arbitrate

NOTE Confidence: 0.902350962162018

01:08:33.321 --> 01:08:35.785 Corentin Corentin with that?

NOTE Confidence: 0.902350962162018

01:08:35.790 --> 01:08:39.306 Just on the question of resistance.

NOTE Confidence: 0.902350962162018

01:08:39.310 --> 01:08:42.165 I think that they they, uh,

NOTE Confidence: 0.902350962162018

01:08:42.165 --> 01:08:44.540 example of San Francisco is,

NOTE Confidence: 0.902350962162018

01:08:44.540 --> 01:08:46.915 perhaps instructive here that at

NOTE Confidence: 0.902350962162018

01:08:46.915 --> 01:08:49.290 first people vary widely warm.

NOTE Confidence: 0.902350962162018

01:08:49.290 --> 01:08:50.326 Ask voluntarily.

NOTE Confidence: 0.902350962162018

01:08:50.326 --> 01:08:53.434 It was a recommendation from the

NOTE Confidence: 0.902350962162018

01:08:53.434 --> 01:08:55.940 health Department and people did it.

NOTE Confidence: 0.902350962162018

01:08:55.940 --> 01:08:58.310 They got tired of that.

NOTE Confidence: 0.902350962162018

01:08:58.310 --> 01:09:01.070 And so by the 2nd wave there was

NOTE Confidence: 0.902350962162018

01:09:01.070 --> 01:09:04.786 an Anti Mask League formed in San

NOTE Confidence: 0.902350962162018

01:09:04.786 --> 01:09:07.134 Francisco protesting against the

NOTE Confidence: 0.902350962162018

01:09:07.134 --> 01:09:09.710 pressures to continue with that.

NOTE Confidence: 0.88603001832962

01:09:11.470 --> 01:09:13.030 Joanna, in line with that

NOTE Confidence: 0.88603001832962

01:09:13.030 --> 01:09:14.278 or or perhaps interview.

NOTE Confidence: 0.88603001832962

01:09:14.280 --> 01:09:15.840 So I wonder, was there?

NOTE Confidence: 0.88603001832962

01:09:15.840 --> 01:09:17.712 I think there is now and

NOTE Confidence: 0.88603001832962

01:09:17.712 --> 01:09:18.960 I'm wondering about then.

NOTE Confidence: 0.88603001832962

01:09:18.960 --> 01:09:21.137 I think there are believers and nonbelievers,

NOTE Confidence: 0.88603001832962

01:09:21.140 --> 01:09:22.700 and I apologize if you

NOTE Confidence: 0.88603001832962

01:09:22.700 --> 01:09:23.948 touched on this before.

NOTE Confidence: 0.88603001832962

01:09:23.950 --> 01:09:26.166 I was able to join in terms in

NOTE Confidence: 0.88603001832962

01:09:26.166 --> 01:09:28.318 the basic science at stake here,

NOTE Confidence: 0.88603001832962

01:09:28.320 --> 01:09:30.090 so some people I would imagine

NOTE Confidence: 0.88603001832962

01:09:30.090 --> 01:09:31.750 there were far more people.

NOTE Confidence: 0.88603001832962

01:09:31.750 --> 01:09:33.622 I mean, I'm thinking of relatives

NOTE Confidence: 0.88603001832962

01:09:33.622 --> 01:09:35.809 of mine from not that long ago.

NOTE Confidence: 0.88603001832962

01:09:35.810 --> 01:09:38.314 I think that there were people who weren't

NOTE Confidence: 0.88603001832962

01:09:38.314 --> 01:09:40.168 really buying into the germ theory.

NOTE Confidence: 0.88603001832962

01:09:40.170 --> 01:09:41.434 In general, I wonder.

NOTE Confidence: 0.88603001832962

01:09:41.434 --> 01:09:43.330 If that was a common phenomenon

NOTE Confidence: 0.88603001832962

01:09:43.395 --> 01:09:44.915 back then that that some

NOTE Confidence: 0.88603001832962

01:09:44.915 --> 01:09:46.435 of the folks who resisted,

NOTE Confidence: 0.88603001832962

01:09:46.440 --> 01:09:48.300 for example wearing masks or quarantine,

NOTE Confidence: 0.88603001832962

01:09:48.300 --> 01:09:50.160 simply didn't buy into the didn't,

NOTE Confidence: 0.88603001832962

01:09:50.160 --> 01:09:52.330 didn't buy into the science behind it,

NOTE Confidence: 0.88603001832962

01:09:52.330 --> 01:09:53.570 such as it was.

NOTE Confidence: 0.850578212738037

01:09:54.210 --> 01:09:57.832 Yes. The simple question I did I

NOTE Confidence: 0.850578212738037

01:09:57.832 --> 01:10:01.148 did I did address it, but you know,

NOTE Confidence: 0.850578212738037

01:10:01.150 --> 01:10:04.055 the germ theory was as I said,

NOTE Confidence: 0.850578212738037

01:10:04.060 --> 01:10:06.166 relatively knew back then an what

NOTE Confidence: 0.850578212738037

01:10:06.166 --> 01:10:08.882 I think is apropos of the comments

NOTE Confidence: 0.850578212738037

01:10:08.882 --> 01:10:11.354 that John and Naomi gave particularly

NOTE Confidence: 0.850578212738037

01:10:11.354 --> 01:10:13.599 Naomi's comments about forgetting.

NOTE Confidence: 0.850578212738037

01:10:13.600 --> 01:10:16.920 Until you know a few until this year,

NOTE Confidence: 0.850578212738037

01:10:16.920 --> 01:10:19.410 the 1918 flu was also known

NOTE Confidence: 0.850578212738037

01:10:19.410 --> 01:10:21.070 as the forgotten pandemic.

NOTE Confidence: 0.850578212738037

01:10:21.070 --> 01:10:23.560 And when you know I talked,

NOTE Confidence: 0.850578212738037

01:10:23.560 --> 01:10:26.116 I've taught it before the students.

NOTE Confidence: 0.850578212738037

01:10:26.120 --> 01:10:29.162 You know I have to thread a fine line

NOTE Confidence: 0.850578212738037

01:10:29.162 --> 01:10:31.526 because they start to say Oh well,

NOTE Confidence: 0.850578212738037

01:10:31.530 --> 01:10:33.558 you know they didn't understand virology,

NOTE Confidence: 0.850578212738037

01:10:33.560 --> 01:10:35.919 they just didn't embrace the germ theory.

NOTE Confidence: 0.850578212738037

01:10:35.920 --> 01:10:38.456 But we know better now and I think

NOTE Confidence: 0.850578212738037

01:10:38.456 --> 01:10:41.275 that we see that theory is that, UM,

NOTE Confidence: 0.850578212738037

01:10:41.275 --> 01:10:43.840 many of us are had may be taken for

NOTE Confidence: 0.850578212738037

01:10:43.914 --> 01:10:46.398 granted as being kind of accepted.

NOTE Confidence: 0.850578212738037

01:10:46.400 --> 01:10:47.130 The RR.

NOTE Confidence: 0.850578212738037

01:10:47.130 --> 01:10:50.050 There are a lot of reasons why we're

NOTE Confidence: 0.850578212738037

01:10:50.136 --> 01:10:52.706 kind of struggling to persuade,

NOTE Confidence: 0.850578212738037

01:10:52.710 --> 01:10:55.176 or um, were struggling with questions

NOTE Confidence: 0.850578212738037

01:10:55.176 --> 01:10:57.429 of belief as you put it,

NOTE Confidence: 0.850578212738037

01:10:57.430 --> 01:10:59.390 which is something that is

NOTE Confidence: 0.850578212738037

01:10:59.390 --> 01:11:00.174 very uncomfortable.

NOTE Confidence: 0.850578212738037

01:11:00.180 --> 01:11:02.427 For those of us who are participants

NOTE Confidence: 0.850578212738037

01:11:02.427 --> 01:11:04.504 in a techno scientific culture

NOTE Confidence: 0.850578212738037

01:11:04.504 --> 01:11:06.070 and medical culture,

NOTE Confidence: 0.850578212738037

01:11:06.070 --> 01:11:08.828 and I think this is something that

NOTE Confidence: 0.850578212738037

01:11:08.828 --> 01:11:12.029 should make us think differently about.

NOTE Confidence: 0.850578212738037

01:11:12.030 --> 01:11:14.370 How we imagine, um,

NOTE Confidence: 0.850578212738037

01:11:14.370 --> 01:11:17.295 our authority as UM medical

NOTE Confidence: 0.850578212738037

01:11:17.295 --> 01:11:20.378 professionals and allied professionals.

NOTE Confidence: 0.917608320713043

01:11:20.980 --> 01:11:23.745 And I think I would actually like

NOTE Confidence: 0.917608320713043

01:11:23.745 --> 01:11:26.914 to add to that that now when you

NOTE Confidence: 0.917608320713043

01:11:26.914 --> 01:11:30.090 see so often UM in social media,

NOTE Confidence: 0.917608320713043

01:11:30.090 --> 01:11:32.974 you see pictures from 1918 of people

NOTE Confidence: 0.917608320713043

01:11:32.974 --> 01:11:35.691 wearing masks and the idea is that

NOTE Confidence: 0.917608320713043

01:11:35.691 --> 01:11:38.370 that sure is supposed to make an

NOTE Confidence: 0.917608320713043

01:11:38.370 --> 01:11:40.850 old fashioned disease look familiar,

NOTE Confidence: 0.917608320713043

01:11:40.850 --> 01:11:42.920 even sort of modern, right?

NOTE Confidence: 0.917608320713043

01:11:42.920 --> 01:11:46.646 They did it net. Then we're doing it now.

NOTE Confidence: 0.917608320713043

01:11:46.650 --> 01:11:49.242 It's a standard public health response

NOTE Confidence: 0.917608320713043

01:11:49.242 --> 01:11:52.214 or whatever kind of sort of lesson

NOTE Confidence: 0.917608320713043

01:11:52.214 --> 01:11:54.548 were supposed to draw from that.

NOTE Confidence: 0.917608320713043

01:11:54.550 --> 01:11:57.693 I think that it it may potentially

NOTE Confidence: 0.917608320713043

01:11:57.693 --> 01:12:00.420 make it easier for us to say,

NOTE Confidence: 0.917608320713043

01:12:00.420 --> 01:12:03.350 let's think about what it is that

NOTE Confidence: 0.917608320713043

01:12:03.350 --> 01:12:06.092 people believed in the heads of those

NOTE Confidence: 0.917608320713043

01:12:06.092 --> 01:12:09.219 people who who are wearing those mess.

NOTE Confidence: 0.917608320713043

01:12:09.220 --> 01:12:12.452 So the heads of the people who were

NOTE Confidence: 0.917608320713043

01:12:12.452 --> 01:12:15.573 refusing to wear those masks in a way

NOTE Confidence: 0.917608320713043

01:12:15.573 --> 01:12:18.069 that is both very contemporary and

01:12:18.069 --> 01:12:21.317 historical and just to pick up one

01:12:21.317 --> 01:12:24.160 of the questions that also asks about

01:12:24.160 --> 01:12:26.390 the disparities during the pandemic,

01:12:26.390 --> 01:12:28.316 for example between.

01:12:28.316 --> 01:12:30.884 Italian immigrant communities and

01:12:30.884 --> 01:12:33.759 white communities in New Haven.

01:12:33.760 --> 01:12:35.104 For example.

01:12:35.104 --> 01:12:39.136 I think the pandemic in 1918,

01:12:39.140 --> 01:12:41.258 just like covid,

01:12:41.258 --> 01:12:43.376 absolutely highlighted profound

01:12:43.376 --> 01:12:47.537 disparities in health and living conditions

01:12:47.537 --> 01:12:51.257 that had existed long before 1918.

01:12:51.260 --> 01:12:51.868 Um,

01:12:51.868 --> 01:12:54.908 and certainly meant that there

01:12:54.908 --> 01:12:58.670 were people who were vulnerable.

01:12:58.670 --> 01:13:02.177 One of the things that is strikingly

NOTE Confidence: 0.917608320713043

01:13:02.177 --> 01:13:05.744 interesting from a star called point of

NOTE Confidence: 0.917608320713043

01:13:05.744 --> 01:13:10.209 view about 1918 is that even if you were.

NOTE Confidence: 0.917608320713043

01:13:10.210 --> 01:13:12.022 Really quite healthy.

NOTE Confidence: 0.917608320713043

01:13:12.022 --> 01:13:15.646 You still were at very significant

NOTE Confidence: 0.917608320713043

01:13:15.646 --> 01:13:19.217 risk of dying from the 1918 virus,

NOTE Confidence: 0.917608320713043

01:13:19.220 --> 01:13:22.035 so there's still some very

NOTE Confidence: 0.917608320713043

01:13:22.035 --> 01:13:24.287 interesting questions about that.

NOTE Confidence: 0.917608320713043

01:13:24.290 --> 01:13:24.850 Thank

NOTE Confidence: 0.926730215549469

01:13:24.850 --> 01:13:29.378 you. I have some questions from the audience.

NOTE Confidence: 0.926730215549469

01:13:29.380 --> 01:13:32.103 Put this out to whoever would like

NOTE Confidence: 0.926730215549469

01:13:32.103 --> 01:13:34.189 to respond question about animal

NOTE Confidence: 0.926730215549469

01:13:34.189 --> 01:13:36.299 origins and virus in humans.

NOTE Confidence: 0.926730215549469

01:13:36.300 --> 01:13:38.880 How should we think about pandemics

NOTE Confidence: 0.926730215549469

01:13:38.880 --> 01:13:41.076 and human susceptibility to social

NOTE Confidence: 0.926730215549469

01:13:41.076 --> 01:13:43.091 crises as connected to changing

NOTE Confidence: 0.926730215549469

01:13:43.091 --> 01:13:46.068 relations to uses to an uses of animals?

NOTE Confidence: 0.897754073143005

01:13:46.070 --> 01:13:48.919 Yeah, I'm happy to feel that one.

NOTE Confidence: 0.897754073143005

01:13:48.920 --> 01:13:51.769 I think that's a really interesting question.

NOTE Confidence: 0.897754073143005

01:13:51.770 --> 01:13:54.818 On the one hand, right we.

NOTE Confidence: 0.897754073143005

01:13:54.820 --> 01:13:58.663 There's some. A lot of, uh,

NOTE Confidence: 0.897754073143005

01:13:58.663 --> 01:14:01.484 interest in this process of Zoo Gnosis,

NOTE Confidence: 0.897754073143005

01:14:01.490 --> 01:14:02.699 right? Uhm agents,

NOTE Confidence: 0.897754073143005

01:14:02.699 --> 01:14:06.397 that kind of jump from non human to human

NOTE Confidence: 0.897754073143005

01:14:06.397 --> 01:14:09.162 or could certainly go the other way.

NOTE Confidence: 0.897754073143005

01:14:09.170 --> 01:14:12.474 and David Quammen has an excellent book on

NOTE Confidence: 0.897754073143005

01:14:12.474 --> 01:14:15.627 that subject on the question of Zoo Gnosis.

NOTE Confidence: 0.897754073143005

01:14:15.630 --> 01:14:18.879 But I do think you know it's hard to

NOTE Confidence: 0.897754073143005

01:14:18.879 --> 01:14:21.688 answer this in a comprehensive way.

NOTE Confidence: 0.897754073143005

01:14:21.690 --> 01:14:24.120 I'm a historian, not a scientist,

NOTE Confidence: 0.897754073143005

01:14:24.120 --> 01:14:26.145 but I certainly think that

NOTE Confidence: 0.897754073143005

01:14:26.145 --> 01:14:27.765 we need to understand.

NOTE Confidence: 0.897754073143005

01:14:27.770 --> 01:14:29.960 When we're talking about structural factors,

NOTE Confidence: 0.897754073143005

01:14:29.960 --> 01:14:32.249 not just the ways that you know

NOTE Confidence: 0.897754073143005

01:14:32.249 --> 01:14:33.980 this viral agent functions,

NOTE Confidence: 0.897754073143005

01:14:33.980 --> 01:14:36.170 you know in a Petri dish,

NOTE Confidence: 0.897754073143005

01:14:36.170 --> 01:14:38.360 but to think about, you know,

NOTE Confidence: 0.897754073143005

01:14:38.360 --> 01:14:40.460 are there conditions and ways in

NOTE Confidence: 0.897754073143005

01:14:40.460 --> 01:14:43.100 which we are as a human species.

NOTE Confidence: 0.897754073143005

01:14:43.100 --> 01:14:43.774 You know,

NOTE Confidence: 0.897754073143005

01:14:43.774 --> 01:14:45.459 shifting in our relations with

NOTE Confidence: 0.897754073143005

01:14:45.459 --> 01:14:47.479 animals in terms of urbanization,

NOTE Confidence: 0.897754073143005

01:14:47.480 --> 01:14:49.310 in terms of factory farming,

NOTE Confidence: 0.897754073143005

01:14:49.310 --> 01:14:51.870 which I think is kind of what you

NOTE Confidence: 0.897754073143005

01:14:51.870 --> 01:14:54.777 have in mind that are also mirrored,

NOTE Confidence: 0.897754073143005

01:14:54.780 --> 01:14:56.640 I think there's something interesting

NOTE Confidence: 0.897754073143005

01:14:56.640 --> 01:14:58.500 to an important to explore.

NOTE Confidence: 0.897754073143005

01:14:58.500 --> 01:15:00.876 About humans relationships with non humans.

NOTE Confidence: 0.897754073143005

01:15:00.880 --> 01:15:02.938 Also mirroring an being an entangled

NOTE Confidence: 0.897754073143005

01:15:02.938 --> 01:15:05.230 with different kinds of susceptibility.

NOTE Confidence: 0.897754073143005

01:15:05.230 --> 01:15:07.588 To these to these emerging agents

NOTE Confidence: 0.897754073143005

01:15:07.588 --> 01:15:11.286 you can put this in a kind of like

NOTE Confidence: 0.897754073143005

01:15:11.286 --> 01:15:13.773 evolutionary framework and I think we

NOTE Confidence: 0.897754073143005

01:15:13.773 --> 01:15:16.314 see it's not just you know nature,

NOTE Confidence: 0.897754073143005

01:15:16.320 --> 01:15:18.300 red in tooth and claw.

NOTE Confidence: 0.897754073143005

01:15:18.300 --> 01:15:20.320 We see humans making choices

NOTE Confidence: 0.897754073143005

01:15:20.320 --> 01:15:22.803 even if they don't realize their

NOTE Confidence: 0.897754073143005

01:15:22.803 --> 01:15:25.526 choices about how they want to live

NOTE Confidence: 0.897754073143005

01:15:25.526 --> 01:15:27.410 in relation to non humans.

NOTE Confidence: 0.897754073143005

01:15:27.410 --> 01:15:29.390 And there certainly consequences and.

NOTE Confidence: 0.897754073143005

01:15:29.390 --> 01:15:30.425 As I'm talking,

NOTE Confidence: 0.897754073143005

01:15:30.425 --> 01:15:33.260 I know this isn't exactly what you mean.

NOTE Confidence: 0.897754073143005

01:15:33.260 --> 01:15:34.668 Uhm Jennifer, but um,

NOTE Confidence: 0.897754073143005

01:15:34.668 --> 01:15:36.443 I'm thinking about the, UM,

NOTE Confidence: 0.897754073143005

01:15:36.443 --> 01:15:38.984 the outbreaks that have happened in meat

NOTE Confidence: 0.897754073143005

01:15:38.984 --> 01:15:41.009 processing plants in the United States.

NOTE Confidence: 0.897754073143005

01:15:41.010 --> 01:15:42.063 And you know,

NOTE Confidence: 0.897754073143005

01:15:42.063 --> 01:15:44.169 the ways in which the conditions,

NOTE Confidence: 0.897754073143005

01:15:44.170 --> 01:15:46.986 even in which we prepare animals to eat,

NOTE Confidence: 0.897754073143005

01:15:46.990 --> 01:15:48.046 which is different,

NOTE Confidence: 0.897754073143005

01:15:48.046 --> 01:15:50.158 perhaps than what you're talking about,

NOTE Confidence: 0.897754073143005

01:15:50.160 --> 01:15:51.564 but become really intense

NOTE Confidence: 0.897754073143005

01:15:51.564 --> 01:15:52.617 spaces of susceptibility,

NOTE Confidence: 0.897754073143005

01:15:52.620 --> 01:15:56.810 and it should make us think about, you know.

NOTE Confidence: 0.897754073143005

01:15:56.810 --> 01:15:58.330 Again, like our relations,

NOTE Confidence: 0.897754073143005

01:15:58.330 --> 01:16:01.880 not even just to each other as fellow humans,

NOTE Confidence: 0.897754073143005

01:16:01.880 --> 01:16:03.830 but our relations to the

NOTE Confidence: 0.897754073143005

01:16:03.830 --> 01:16:05.780 animals that we rely on.

NOTE Confidence: 0.897754073143005

01:16:05.780 --> 01:16:08.120 So I think that question, um,

NOTE Confidence: 0.897754073143005

01:16:08.120 --> 01:16:10.460 it's one that, you know, can't?

NOTE Confidence: 0.897754073143005

01:16:10.460 --> 01:16:12.410 I can't perhaps definitively answer,

NOTE Confidence: 0.897754073143005

01:16:12.410 --> 01:16:15.920 but I certainly think it's one that you know,

NOTE Confidence: 0.897754073143005

01:16:15.920 --> 01:16:16.696 bioethicists have.

NOTE Confidence: 0.897754073143005

01:16:16.696 --> 01:16:19.800 It's an exciting domain of place of places

NOTE Confidence: 0.897754073143005

01:16:19.868 --> 01:16:22.160 to investigate and think more about.

NOTE Confidence: 0.891651928424835

01:16:23.110 --> 01:16:25.045 That's something that that hopefully

NOTE Confidence: 0.891651928424835

01:16:25.045 --> 01:16:27.560 in the coming year we're going to

NOTE Confidence: 0.891651928424835

01:16:27.560 --> 01:16:29.592 get a chance to look into a bit

NOTE Confidence: 0.891651928424835

01:16:29.659 --> 01:16:32.151 as well as the ethics program for

NOTE Confidence: 0.891651928424835

01:16:32.151 --> 01:16:33.896 Biomedical Ethics will move on,

NOTE Confidence: 0.891651928424835

01:16:33.896 --> 01:16:36.590 hopefully in person, if not on the screen,

NOTE Confidence: 0.891651928424835

01:16:36.590 --> 01:16:38.275 and that's certainly a fertile

NOTE Confidence: 0.891651928424835

01:16:38.275 --> 01:16:39.286 area for discussion.

NOTE Confidence: 0.891651928424835

01:16:39.290 --> 01:16:40.642 Another question here, please,

NOTE Confidence: 0.891651928424835

01:16:40.642 --> 01:16:42.670 how do you understand the current

NOTE Confidence: 0.891651928424835

01:16:42.725 --> 01:16:44.675 racial unrest and the covid pandemic?

NOTE Confidence: 0.891651928424835

01:16:44.680 --> 01:16:46.365 What are the parallels with

NOTE Confidence: 0.891651928424835

01:16:46.365 --> 01:16:48.050 history in the 1918 flu?

NOTE Confidence: 0.891651928424835

01:16:48.050 --> 01:16:50.738 And what are Rd Maps forward for us?

NOTE Confidence: 0.787917971611023

01:16:55.580 --> 01:16:59.980 John, you look like you were inhaling to

NOTE Confidence: 0.8394535779953

01:16:59.980 --> 01:17:02.020 prepare to speak, oh.

NOTE Confidence: 0.8394535779953

01:17:02.020 --> 01:17:05.010 It's a broader morning, so no,

NOTE Confidence: 0.8394535779953

01:17:05.010 --> 01:17:09.679 maybe let me comment on 1918 and then we can.

NOTE Confidence: 0.8394535779953

01:17:09.680 --> 01:17:12.784 We can get to now a couple of

NOTE Confidence: 0.8394535779953

01:17:12.784 --> 01:17:16.359 things were seemed to have been odd

NOTE Confidence: 0.8394535779953

01:17:16.359 --> 01:17:19.059 about the 1918 epidemic pandemic.

NOTE Confidence: 0.8394535779953

01:17:19.060 --> 01:17:22.196 One is that the kind of nativist

NOTE Confidence: 0.8394535779953

01:17:22.196 --> 01:17:24.548 and racist scapegoating that as

NOTE Confidence: 0.8394535779953

01:17:24.548 --> 01:17:26.868 historians we so associate with

NOTE Confidence: 0.8394535779953

01:17:26.868 --> 01:17:29.380 certainly 19th and 20th century,

NOTE Confidence: 0.8394535779953

01:17:29.380 --> 01:17:32.230 and you can extend this now.

NOTE Confidence: 0.8394535779953

01:17:32.230 --> 01:17:37.454 The kind of blame that you find in

NOTE Confidence: 0.8394535779953

01:17:37.454 --> 01:17:42.309 epidemics was remarkably muted in 1918.

NOTE Confidence: 0.8394535779953

01:17:42.310 --> 01:17:46.018 11 explanation for this or the

NOTE Confidence: 0.8394535779953

01:17:46.018 --> 01:17:49.804 main explanation is a shared sense

NOTE Confidence: 0.8394535779953

01:17:49.804 --> 01:17:53.962 of purpose in the middle of war.

NOTE Confidence: 0.8394535779953

01:17:53.970 --> 01:17:57.498 The other odd thing that has been

NOTE Confidence: 0.8394535779953

01:17:57.498 --> 01:18:00.440 suggested about the 1918 epidemic,

NOTE Confidence: 0.8394535779953

01:18:00.440 --> 01:18:03.668 which really separates it from now,

NOTE Confidence: 0.8394535779953

01:18:03.670 --> 01:18:07.180 is that actually the death rate

NOTE Confidence: 0.8394535779953

01:18:07.180 --> 01:18:08.935 among African-American seems

NOTE Confidence: 0.8394535779953

01:18:08.935 --> 01:18:11.756 to have been lower than 4.

NOTE Confidence: 0.8394535779953

01:18:11.760 --> 01:18:14.847 And for the rest of the population,

NOTE Confidence: 0.8394535779953

01:18:14.850 --> 01:18:17.930 which is completely non intuitive to me,

NOTE Confidence: 0.8394535779953

01:18:17.930 --> 01:18:20.582 although I think now we could

NOTE Confidence: 0.8394535779953

01:18:20.582 --> 01:18:22.350 find similar patterns in.

NOTE Confidence: 0.8394535779953

01:18:22.350 --> 01:18:25.345 Classic inferential's in the 1916

NOTE Confidence: 0.8394535779953

01:18:25.345 --> 01:18:28.924 polio epidemic that just preceded this

NOTE Confidence: 0.8394535779953

01:18:28.924 --> 01:18:31.840 I don't know a good explanations,

NOTE Confidence: 0.8394535779953

01:18:31.840 --> 01:18:34.475 but certainly one suggestion that

NOTE Confidence: 0.8394535779953

01:18:34.475 --> 01:18:38.408 has been posited is that it was

NOTE Confidence: 0.8394535779953

01:18:38.408 --> 01:18:40.808 precisely the greater vulnerability

NOTE Confidence: 0.8394535779953

01:18:40.808 --> 01:18:43.830 of African Americans to infection

NOTE Confidence: 0.8394535779953

01:18:43.830 --> 01:18:46.992 that perhaps they were more infected

NOTE Confidence: 0.8394535779953

01:18:46.992 --> 01:18:49.702 in the mild first wave,

NOTE Confidence: 0.8394535779953

01:18:49.702 --> 01:18:52.507 and therefore had some resistance.

NOTE Confidence: 0.8394535779953

01:18:52.510 --> 01:18:55.810 Collectively, when the 2nd wave came.

NOTE Confidence: 0.8394535779953

01:18:55.810 --> 01:18:58.570 But I would love to.

NOTE Confidence: 0.8394535779953

01:18:58.570 --> 01:19:01.531 I would love to know more from

NOTE Confidence: 0.8394535779953

01:19:01.531 --> 01:19:02.800 people who know

NOTE Confidence: 0.928800225257874

01:19:02.800 --> 01:19:03.844 the biology there.

NOTE Confidence: 0.928800225257874

01:19:03.844 --> 01:19:06.280 I actually would want to add an

NOTE Confidence: 0.928800225257874

01:19:06.351 --> 01:19:08.298 interesting historical note,

NOTE Confidence: 0.928800225257874

01:19:08.300 --> 01:19:09.992 which is actually something

NOTE Confidence: 0.928800225257874

01:19:09.992 --> 01:19:12.107 that I think is strange.

NOTE Confidence: 0.928800225257874

01:19:12.110 --> 01:19:14.220 Have not really looked at,

NOTE Confidence: 0.928800225257874

01:19:14.220 --> 01:19:17.678 so there was very profound racial and

NOTE Confidence: 0.928800225257874

01:19:17.678 --> 01:19:20.625 ethnic tensions right after the First World

NOTE Confidence: 0.928800225257874

01:19:20.625 --> 01:19:24.368 War are in a lot of race riots in 1919.

NOTE Confidence: 0.928800225257874

01:19:24.370 --> 01:19:26.550 Uhm, and these certainly have

NOTE Confidence: 0.928800225257874

01:19:26.550 --> 01:19:29.050 been studied in some ways as.

NOTE Confidence: 0.928800225257874

01:19:29.050 --> 01:19:33.250 Perhaps um, response to labor policies or

NOTE Confidence: 0.928800225257874

01:19:33.250 --> 01:19:37.450 economic shifts during and after the war.

NOTE Confidence: 0.928800225257874

01:19:37.450 --> 01:19:39.850 But historians have not

NOTE Confidence: 0.928800225257874

01:19:39.850 --> 01:19:42.250 really thought about well,

NOTE Confidence: 0.928800225257874

01:19:42.250 --> 01:19:45.742 what did they have to do

NOTE Confidence: 0.928800225257874

01:19:45.742 --> 01:19:48.850 with the pandemic as well,

NOTE Confidence: 0.928800225257874

01:19:48.850 --> 01:19:52.168 like where there are interlocking factors

NOTE Confidence: 0.928800225257874

01:19:52.168 --> 01:19:55.142 there that raised certain additional

NOTE Confidence: 0.928800225257874

01:19:55.142 --> 01:19:59.060 tensions in particular African American and.

NOTE Confidence: 0.928800225257874

01:19:59.060 --> 01:19:59.940 Immigrant community,

NOTE Confidence: 0.928800225257874

01:19:59.940 --> 01:20:02.140 so we don't actually know

NOTE Confidence: 0.928800225257874

01:20:02.140 --> 01:20:04.569 the answer to that question,

NOTE Confidence: 0.928800225257874

01:20:04.570 --> 01:20:07.324 but I think that simply just

NOTE Confidence: 0.928800225257874

01:20:07.324 --> 01:20:09.614 thinking about this past week

NOTE Confidence: 0.928800225257874

01:20:09.614 --> 01:20:12.367 makes me also start to wonder.

NOTE Confidence: 0.928800225257874

01:20:12.370 --> 01:20:15.191 Had there been a number of other

NOTE Confidence: 0.928800225257874

01:20:15.191 --> 01:20:18.016 kinds of moments that historians have

NOTE Confidence: 0.928800225257874

01:20:18.016 --> 01:20:21.082 not sort of taken seriously enough?

NOTE Confidence: 0.917881369590759

01:20:21.820 --> 01:20:24.172 Uhm, I think that's a really great

NOTE Confidence: 0.917881369590759

01:20:24.172 --> 01:20:27.228 point and it gets at one of the things

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NOTE Confidence: 0.917881369590759

01:20:27.228 --> 01:20:29.488 that John was trying to articulate

NOTE Confidence: 0.917881369590759

01:20:29.488 --> 01:20:32.540 in his comment about the way history

NOTE Confidence: 0.917881369590759

01:20:32.540 --> 01:20:34.492 historians attempt to make sense

NOTE Confidence: 0.917881369590759

01:20:34.492 --> 01:20:37.070 of the past is often divided up,

NOTE Confidence: 0.917881369590759

01:20:37.070 --> 01:20:39.698 and I think what I hope and outcome of

NOTE Confidence: 0.917881369590759

01:20:39.698 --> 01:20:42.652 the time we're living in now is that

NOTE Confidence: 0.917881369590759

01:20:42.652 --> 01:20:45.153 historians that they are working on

NOTE Confidence: 0.917881369590759

01:20:45.153 --> 01:20:47.787 civil rights or political history will

NOTE Confidence: 0.917881369590759

01:20:47.787 --> 01:20:49.734 recognize that medicine and pandemics

NOTE Confidence: 0.917881369590759

01:20:49.734 --> 01:20:51.990 in history of biology are actually.

NOTE Confidence: 0.917881369590759

01:20:51.990 --> 01:20:54.138 Really powerful lenses that they can

NOTE Confidence: 0.917881369590759

01:20:54.138 --> 01:20:56.631 also be paying attention to to recognize

NOTE Confidence: 0.917881369590759

01:20:56.631 --> 01:20:58.635 that various kinds of social history

NOTE Confidence: 0.917881369590759

01:20:58.635 --> 01:21:00.968 also have kind of biological material,

NOTE Confidence: 0.917881369590759

01:21:00.970 --> 01:21:01.638 embodied origins.

NOTE Confidence: 0.917881369590759

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01:21:01.638 --> 01:21:04.310 and I wanted to add to those excellent

NOTE Confidence: 0.917881369590759

01:21:04.373 --> 01:21:06.705 comments, one that I think gets

NOTE Confidence: 0.917881369590759

01:21:06.705 --> 01:21:08.500 at some of the questions.

NOTE Confidence: 0.917881369590759

01:21:08.500 --> 01:21:10.932 A thread that I'm seeing happen in some

NOTE Confidence: 0.917881369590759

01:21:10.932 --> 01:21:13.527 of the questions that are appearing.

NOTE Confidence: 0.917881369590759

01:21:13.530 --> 01:21:15.330 Someone asked a question about,

NOTE Confidence: 0.917881369590759

01:21:15.330 --> 01:21:16.066 you know,

NOTE Confidence: 0.917881369590759

01:21:16.066 --> 01:21:17.906 are there parallels between things

NOTE Confidence: 0.917881369590759

01:21:17.906 --> 01:21:19.988 like hurricanes and stuff like that?

NOTE Confidence: 0.917881369590759

01:21:19.990 --> 01:21:22.150 and I think that's a really

NOTE Confidence: 0.917881369590759

01:21:22.150 --> 01:21:23.368 great question because.

NOTE Confidence: 0.917881369590759

01:21:23.368 --> 01:21:25.804 One thing we shouldn't do is

NOTE Confidence: 0.917881369590759

01:21:25.804 --> 01:21:27.290 fall into the trap.

NOTE Confidence: 0.917881369590759

01:21:27.290 --> 01:21:27.624 Uhm,

NOTE Confidence: 0.917881369590759

01:21:27.624 --> 01:21:29.962 I think John points out as well

NOTE Confidence: 0.917881369590759

01:21:29.962 --> 01:21:32.506 of imagine of the only parallel

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01:21:32.506 --> 01:21:34.751 historical parallel for the current

01:21:34.751 --> 01:21:36.907 moment is a previous pandemic.

01:21:36.910 --> 01:21:38.920 There's enormous amounts to learn,

01:21:38.920 --> 01:21:41.936 but I'm thinking of the way in which

01:21:41.936 --> 01:21:44.130 some scholars talk about things.

01:21:44.130 --> 01:21:44.548 Um,

01:21:44.548 --> 01:21:47.056 events like Katrina as an unnatural

01:21:47.056 --> 01:21:50.580 disaster in the sense that just as the way

01:21:50.580 --> 01:21:53.410 that covid involves a virus that's not.

01:21:53.410 --> 01:21:55.054 Human origin it comes,

01:21:55.054 --> 01:21:57.520 it collides with all kinds of

01:21:57.601 --> 01:22:00.209 systemic and structural forces

01:22:00.209 --> 01:22:02.817 that have disproportionate effects.

01:22:02.820 --> 01:22:05.040 It's like, you know,

01:22:05.040 --> 01:22:07.815 disaster might unfold in a

01:22:07.815 --> 01:22:09.620 particular kind of way,

NOTE Confidence: 0.917881369590759

01:22:09.620 --> 01:22:12.758 but differently based on the circumstances,

NOTE Confidence: 0.917881369590759

01:22:12.760 --> 01:22:15.898 the vulnerabilities that access to resources,

NOTE Confidence: 0.917881369590759

01:22:15.900 --> 01:22:19.554 the forms of social cohesion or otherwise.

NOTE Confidence: 0.917881369590759

01:22:19.560 --> 01:22:22.734 and I think that there are

NOTE Confidence: 0.917881369590759

01:22:22.734 --> 01:22:24.850 a number of really.

NOTE Confidence: 0.917881369590759

01:22:24.850 --> 01:22:26.666 Important kinds of places

NOTE Confidence: 0.917881369590759

01:22:26.666 --> 01:22:28.936 we could be looking for.

NOTE Confidence: 0.917881369590759

01:22:28.940 --> 01:22:29.848 Historical perspective.

NOTE Confidence: 0.917881369590759

01:22:29.848 --> 01:22:31.210 Beyond the pandemic,

NOTE Confidence: 0.917881369590759

01:22:31.210 --> 01:22:32.572 I think about,

NOTE Confidence: 0.917881369590759

01:22:32.572 --> 01:22:33.480 you know,

NOTE Confidence: 0.917881369590759

01:22:33.480 --> 01:22:35.952 work by Scott Knowles who's done

NOTE Confidence: 0.917881369590759

01:22:35.952 --> 01:22:38.674 work on disasters on Eric Kleinman

NOTE Confidence: 0.917881369590759

01:22:38.674 --> 01:22:41.650 Klingenberg on the Chicago heat wave,

NOTE Confidence: 0.917881369590759

01:22:41.650 --> 01:22:45.002 and the ways in which he demonstrates it

NOTE Confidence: 0.917881369590759

01:22:45.002 --> 01:22:47.794 was really about social isolation that

NOTE Confidence: 0.917881369590759

01:22:47.794 --> 01:22:51.180 lead to more extreme forms of death.

NOTE Confidence: 0.917881369590759

01:22:51.180 --> 01:22:53.700 and I think we're certainly seeing

NOTE Confidence: 0.917881369590759

01:22:53.700 --> 01:22:55.380 that COVID-19 Isn't especially

NOTE Confidence: 0.917881369590759

01:22:55.447 --> 01:22:57.073 its impact in the United States

NOTE Confidence: 0.917881369590759

01:22:57.073 --> 01:22:59.261 is A is an unnatural disaster

NOTE Confidence: 0.917881369590759

01:22:59.261 --> 01:23:01.329 involving a biological agent,

NOTE Confidence: 0.917881369590759

01:23:01.330 --> 01:23:03.185 especially when you when you

NOTE Confidence: 0.917881369590759

01:23:03.185 --> 01:23:05.738 know when we see that the death

NOTE Confidence: 0.917881369590759

01:23:05.738 --> 01:23:08.226 rate in the US is so much higher

NOTE Confidence: 0.917881369590759

01:23:08.309 --> 01:23:10.607 so quickly we have the benefit,

NOTE Confidence: 0.917881369590759

01:23:10.610 --> 01:23:13.162 for better or worse of the world as

NOTE Confidence: 0.917881369590759

01:23:13.162 --> 01:23:16.141 a global lab to compare and see what

NOTE Confidence: 0.917881369590759

01:23:16.141 --> 01:23:18.819 other kinds of practices have been used,

NOTE Confidence: 0.917881369590759

01:23:18.820 --> 01:23:20.605 whether kinds of social configurations

NOTE Confidence: 0.917881369590759

01:23:20.605 --> 01:23:22.750 have been used and you know,

NOTE Confidence: 0.917881369590759

01:23:22.750 --> 01:23:25.249 of course, there's been a lot of.

NOTE Confidence: 0.917881369590759

01:23:25.250 --> 01:23:27.320 Politicization of these different techniques,

NOTE Confidence: 0.917881369590759

01:23:27.320 --> 01:23:29.858 but I certainly think that we

NOTE Confidence: 0.917881369590759

01:23:29.858 --> 01:23:32.421 will miss a tremendous amount if

NOTE Confidence: 0.917881369590759

01:23:32.421 --> 01:23:34.767 we only focus as the scientists

NOTE Confidence: 0.917881369590759

01:23:34.767 --> 01:23:37.668 that I was trying to talk about,

NOTE Confidence: 0.917881369590759

01:23:37.670 --> 01:23:39.980 that were uncovering the tissue

NOTE Confidence: 0.917881369590759

01:23:39.980 --> 01:23:42.784 from the from the permafrost that

NOTE Confidence: 0.917881369590759

01:23:42.784 --> 01:23:44.824 they imagine all the answers

NOTE Confidence: 0.917881369590759

01:23:44.824 --> 01:23:46.456 to the lethality of

NOTE Confidence: 0.911182224750519

01:23:46.541 --> 01:23:48.665 this thing we call covid can

NOTE Confidence: 0.911182224750519

01:23:48.665 --> 01:23:51.332 be found within a kind of piece

NOTE Confidence: 0.911182224750519

01:23:51.332 --> 01:23:53.816 of protein that is maybe not.

NOTE Confidence: 0.911182224750519

01:23:53.820 --> 01:23:56.298 You know, alive or an alive.

NOTE Confidence: 0.911182224750519

01:23:56.300 --> 01:23:58.915 Endows the virus with entirely

NOTE Confidence: 0.911182224750519

01:23:58.915 --> 01:24:02.098 too much agency an excuse is

NOTE Confidence: 0.911182224750519

01:24:02.098 --> 01:24:04.900 the culpability of a wide range

NOTE Confidence: 0.911182224750519

01:24:04.900 --> 01:24:06.270 of actors. If

NOTE Confidence: 0.908148229122162

01:24:06.270 --> 01:24:10.106 I can just jump in, this is a very

NOTE Confidence: 0.908148229122162

01:24:10.106 --> 01:24:12.650 quick comment tu and another question

NOTE Confidence: 0.908148229122162

01:24:12.732 --> 01:24:15.258 that sort of follows from that,

NOTE Confidence: 0.908148229122162

01:24:15.260 --> 01:24:17.822 which is what about the question

NOTE Confidence: 0.908148229122162

01:24:17.822 --> 01:24:18.676 international cooperation?

NOTE Confidence: 0.908148229122162

01:24:18.680 --> 01:24:22.144 So because the the influence of the Spanish

NOTE Confidence: 0.908148229122162

01:24:22.144 --> 01:24:25.100 pandemic arrived during the First World War,

NOTE Confidence: 0.908148229122162

01:24:25.100 --> 01:24:28.516 although it ended after the war had ended.

NOTE Confidence: 0.908148229122162

01:24:28.520 --> 01:24:30.240 There were many countries.

NOTE Confidence: 0.908148229122162

01:24:30.240 --> 01:24:33.664 That of course were indeed at war with

NOTE Confidence: 0.908148229122162

01:24:33.664 --> 01:24:37.088 each other, and so while there was some.

NOTE Confidence: 0.908148229122162

01:24:37.090 --> 01:24:38.470 Exchanged information there

NOTE Confidence: 0.908148229122162

01:24:38.470 --> 01:24:40.310 wasn't a great deal.

NOTE Confidence: 0.908148229122162

01:24:40.310 --> 01:24:43.638 Um, but um, after the war ended

NOTE Confidence: 0.908148229122162

01:24:43.638 --> 01:24:46.506 and a pandemic ended up buying

NOTE Confidence: 0.908148229122162

01:24:46.506 --> 01:24:49.050 1920 by the end of 1920,

NOTE Confidence: 0.908148229122162

01:24:49.050 --> 01:24:52.102 there was a major effort by a

NOTE Confidence: 0.908148229122162

01:24:52.102 --> 01:24:54.459 public health officials around the

NOTE Confidence: 0.908148229122162

01:24:54.459 --> 01:24:56.869 Western World to come together

NOTE Confidence: 0.908148229122162

01:24:56.870 --> 01:25:00.090 as part of the League of Nations,

NOTE Confidence: 0.908148229122162

01:25:00.090 --> 01:25:02.850 and they found that the League

NOTE Confidence: 0.908148229122162

01:25:02.850 --> 01:25:04.690 of Nations Health Organization,

NOTE Confidence: 0.908148229122162

01:25:04.690 --> 01:25:06.582 which historians have really

NOTE Confidence: 0.908148229122162

01:25:06.582 --> 01:25:09.800 seen as a kind of sort of.

NOTE Confidence: 0.908148229122162

01:25:09.800 --> 01:25:12.170 Pre World Health Organization and the

NOTE Confidence: 0.908148229122162

01:25:12.170 --> 01:25:14.628 model was that every single country

NOTE Confidence: 0.908148229122162

01:25:14.628 --> 01:25:17.442 should have uh officials there who work

NOTE Confidence: 0.908148229122162

01:25:17.442 --> 01:25:20.082 with each other and help each other

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NOTE Confidence: 0.908148229122162

01:25:20.082 --> 01:25:22.298 during any other kinds of outbreaks.

NOTE Confidence: 0.908148229122162

01:25:22.298 --> 01:25:24.602 So that was actually one of

NOTE Confidence: 0.908148229122162

01:25:24.602 --> 01:25:26.610 the results of the pandemic.

NOTE Confidence: 0.908148229122162

01:25:26.610 --> 01:25:28.956 And as I pointed out in

NOTE Confidence: 0.91337251663208

01:25:28.960 --> 01:25:32.090 the lecture, the US never joined well. We

NOTE Confidence: 0.91337251663208

01:25:32.090 --> 01:25:34.040 didn't join the League of

NOTE Confidence: 0.91337251663208

01:25:34.040 --> 01:25:35.610 Nations either. Yes, OK,

NOTE Confidence: 0.91337251663208

01:25:35.610 --> 01:25:37.600 a couple of quick things

NOTE Confidence: 0.91337251663208

01:25:37.600 --> 01:25:39.910 'cause our time is nearly up.

NOTE Confidence: 0.91337251663208

01:25:39.910 --> 01:25:42.010 I have a. A short question.

NOTE Confidence: 0.91337251663208

01:25:42.010 --> 01:25:43.852 Uhm and then a final question

NOTE Confidence: 0.91337251663208

01:25:43.852 --> 01:25:45.080 I think is interesting.

NOTE Confidence: 0.91337251663208

01:25:45.080 --> 01:25:46.916 So the short question is this.

NOTE Confidence: 0.91337251663208

01:25:46.920 --> 01:25:48.888 From someone in the audience which

NOTE Confidence: 0.91337251663208

01:25:48.888 --> 01:25:50.910 was did Woodrow Wilson wear a mask?

NOTE Confidence: 0.889095783233643

01:25:53.250 --> 01:25:54.279 I don't know,

NOTE Confidence: 0.889095783233643

01:25:54.280 --> 01:25:59.379 we don't know. You're muted near

NOTE Confidence: 0.834810936450959

01:25:59.380 --> 01:26:02.070 me. I don't know either,

NOTE Confidence: 0.834810936450959

01:26:02.070 --> 01:26:05.094 but I will say that by

NOTE Confidence: 0.834810936450959

01:26:05.094 --> 01:26:07.570 the time the pandemic it,

NOTE Confidence: 0.834810936450959

01:26:07.570 --> 01:26:10.570 um Woodrow Wilson, was pretty sick.

NOTE Confidence: 0.834810936450959

01:26:10.570 --> 01:26:13.576 And, um, he sort of largely

NOTE Confidence: 0.834810936450959

01:26:13.576 --> 01:26:15.580 disappeared from public view.

NOTE Confidence: 0.834810936450959

01:26:15.580 --> 01:26:18.268 And, uh, so it's possible that he

NOTE Confidence: 0.834810936450959

01:26:18.268 --> 01:26:20.784 really sort of wasn't interacting at

NOTE Confidence: 0.834810936450959

01:26:20.784 --> 01:26:24.399 all in any kind of public space at that

NOTE Confidence: 0.912922084331512

01:26:24.400 --> 01:26:27.432 time I see, and it would just to

NOTE Confidence: 0.912922084331512

01:26:27.432 --> 01:26:30.017 underscore John's point about mass media.

NOTE Confidence: 0.912922084331512

01:26:30.020 --> 01:26:33.056 You know, it's a relatively recent

NOTE Confidence: 0.912922084331512

01:26:33.056 --> 01:26:36.199 phenomenon that we would have such a.

NOTE Confidence: 0.912922084331512

01:26:36.200 --> 01:26:38.090 Telegenic you know political leader

NOTE Confidence: 0.912922084331512

01:26:38.090 --> 01:26:40.962 that you would be expected to, you know,

NOTE Confidence: 0.912922084331512

01:26:40.962 --> 01:26:43.890 sort of see them appear in this way.

NOTE Confidence: 0.912922084331512

01:26:43.890 --> 01:26:45.720 So it's an interesting question,

NOTE Confidence: 0.912922084331512

01:26:45.720 --> 01:26:47.180 but it perhaps wouldn't

NOTE Confidence: 0.912922084331512

01:26:47.180 --> 01:26:49.005 carry the same kind of.

NOTE Confidence: 0.654908239841461

01:26:51.140 --> 01:26:53.140 In food. Yeah, I

NOTE Confidence: 0.89730840921402

01:26:53.140 --> 01:26:54.648 see one last question.

NOTE Confidence: 0.89730840921402

01:26:54.648 --> 01:26:57.510 If I could please from Steve Latham,

NOTE Confidence: 0.89730840921402

01:26:57.510 --> 01:26:59.500 the director over the International

NOTE Confidence: 0.89730840921402

01:26:59.500 --> 01:27:01.092 Interdisciplinary Center for bioethics.

NOTE Confidence: 0.89730840921402

01:27:01.100 --> 01:27:04.276 Steve notes that we've seen some in quotes,

NOTE Confidence: 0.89730840921402

01:27:04.280 --> 01:27:06.270 a pandemic exceptionalism in covid,

NOTE Confidence: 0.89730840921402

01:27:06.270 --> 01:27:08.100 meaning permitting research to be

NOTE Confidence: 0.89730840921402

01:27:08.100 --> 01:27:09.930 conducted in unorthodox ways and

NOTE Confidence: 0.89730840921402

01:27:09.989 --> 01:27:11.709 permitting publication of research

NOTE Confidence: 0.89730840921402

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01:27:11.709 --> 01:27:13.429 results before peer review.

NOTE Confidence: 0.89730840921402

01:27:13.430 --> 01:27:15.300 And we've already seen some

NOTE Confidence: 0.89730840921402

01:27:15.300 --> 01:27:17.170 disastrous results from this crisis

NOTE Confidence: 0.89730840921402

01:27:17.229 --> 01:27:19.009 driven loosening of standards.

NOTE Confidence: 0.89730840921402

01:27:19.010 --> 01:27:22.790 Did anything similar happen in 1918?

NOTE Confidence: 0.89730840921402

01:27:22.790 --> 01:27:23.050 Well,

NOTE Confidence: 0.922818958759308

01:27:23.050 --> 01:27:24.574 it's a really. It's a great

NOTE Confidence: 0.922818958759308

01:27:24.574 --> 01:27:26.328 question and it gets to the heart

NOTE Confidence: 0.922818958759308

01:27:26.328 --> 01:27:27.917 of a lot of the most important

NOTE Confidence: 0.922818958759308

01:27:27.978 --> 01:27:29.778 bio ethical issues that are happy.

NOTE Confidence: 0.865344762802124

01:27:32.330 --> 01:27:34.521 Now Joanna is frozen on my screen

NOTE Confidence: 0.865344762802124

01:27:34.521 --> 01:27:36.610 and she throws it on Yours, John.

NOTE Confidence: 0.828589260578156

01:27:37.530 --> 01:27:38.688 Yes, she is.

NOTE Confidence: 0.828589260578156

01:27:38.690 --> 01:27:41.778 There was a time when there were not.

NOTE Confidence: 0.828589260578156

01:27:41.780 --> 01:27:43.310 Frozen on my screen, that's

NOTE Confidence: 0.84146648645401

01:27:43.310 --> 01:27:45.438 not good. Now you're moving on ours.

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NOTE Confidence: 0.84146648645401

01:27:45.440 --> 01:27:47.574 We can hear you you're good now

NOTE Confidence: 0.84146648645401

01:27:47.574 --> 01:27:49.386 if you could speak Joanna will

NOTE Confidence: 0.84146648645401

01:27:49.386 --> 01:27:51.856 if you could you give us a short

NOTE Confidence: 0.84146648645401

01:27:51.856 --> 01:27:53.678 answer to that. Be great, Nope.

NOTE Confidence: 0.784969210624695

01:27:56.060 --> 01:27:57.050 Are we back?

NOTE Confidence: 0.784969210624695

01:27:57.050 --> 01:27:58.028 Yeah, keep going,

NOTE Confidence: 0.784969210624695

01:27:58.030 --> 01:28:00.010 be quick for you, go again.

NOTE Confidence: 0.835633993148804

01:28:00.990 --> 01:28:02.440 Um, I'm gonna keep going.

NOTE Confidence: 0.835633993148804

01:28:02.440 --> 01:28:04.456 I don't know if you can hear.

NOTE Confidence: 0.907221376895905

01:28:05.350 --> 01:28:06.770 The whole thing is

NOTE Confidence: 0.907221376895905

01:28:06.770 --> 01:28:09.362 crashing, um, just to say it was a

NOTE Confidence: 0.907221376895905

01:28:09.362 --> 01:28:11.208 very different research culture that

NOTE Confidence: 0.907221376895905

01:28:11.208 --> 01:28:13.847 we didn't have the kind of informed

NOTE Confidence: 0.907221376895905

01:28:13.913 --> 01:28:16.025 consent there were not I Arby's.

NOTE Confidence: 0.907221376895905

01:28:16.030 --> 01:28:18.142 Even the concept of the scientific

NOTE Confidence: 0.907221376895905

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01:28:18.142 --> 01:28:19.962 Journal was a different state

NOTE Confidence: 0.907221376895905

01:28:19.962 --> 01:28:22.078 of its emergence. So you know,

NOTE Confidence: 0.907221376895905

01:28:22.078 --> 01:28:24.570 it's a really hard question to ask,

NOTE Confidence: 0.907221376895905

01:28:24.570 --> 01:28:26.350 especially when we're thinking about.

NOTE Confidence: 0.907221376895905

01:28:26.350 --> 01:28:27.774 As I said before,

NOTE Confidence: 0.907221376895905

01:28:27.774 --> 01:28:29.910 that the germ theory was still,

NOTE Confidence: 0.907221376895905

01:28:29.910 --> 01:28:31.690 you know, coming into existence.

NOTE Confidence: 0.907221376895905

01:28:31.690 --> 01:28:33.670 It wasn't the dogma that it

NOTE Confidence: 0.907221376895905

01:28:33.670 --> 01:28:35.630 assumed that it was assumed.

NOTE Confidence: 0.907221376895905

01:28:35.630 --> 01:28:36.930 I am, you know,

NOTE Confidence: 0.907221376895905

01:28:36.930 --> 01:28:39.282 the Golden Age of Medicine when we

NOTE Confidence: 0.907221376895905

01:28:39.282 --> 01:28:41.232 give antibiotics and it was also

NOTE Confidence: 0.907221376895905

01:28:41.232 --> 01:28:43.979 a time when I think you have lots

NOTE Confidence: 0.907221376895905

01:28:43.979 --> 01:28:46.015 and lots of people peddling various

NOTE Confidence: 0.907221376895905

01:28:46.015 --> 01:28:48.025 kinds of you know false cures.

NOTE Confidence: 0.907221376895905

01:28:48.030 --> 01:28:50.710 So you see doctors sort of just saying,

NOTE Confidence: 0.907221376895905

01:28:50.710 --> 01:28:53.076 oh it will match up this vaccine

NOTE Confidence: 0.907221376895905

01:28:53.076 --> 01:28:54.390 and will try it.

NOTE Confidence: 0.907221376895905

01:28:54.390 --> 01:28:56.738 So I think that you know if

NOTE Confidence: 0.907221376895905

01:28:56.738 --> 01:28:58.408 you kind of scratched it,

NOTE Confidence: 0.907221376895905

01:28:58.410 --> 01:29:00.168 that's cab you're going to find

NOTE Confidence: 0.907221376895905

01:29:00.168 --> 01:29:02.358 lots and lots and lots and lots

NOTE Confidence: 0.907221376895905

01:29:02.358 --> 01:29:03.943 of examples of practice and

NOTE Confidence: 0.907221376895905

01:29:03.943 --> 01:29:05.465 handling of scientific expertise

NOTE Confidence: 0.907221376895905

01:29:05.465 --> 01:29:07.520 that would not pass muster.

NOTE Confidence: 0.907221376895905

01:29:07.520 --> 01:29:10.257 Even under the relaxed standards of today.

NOTE Confidence: 0.907221376895905

01:29:10.260 --> 01:29:12.402 But I also think that John's

NOTE Confidence: 0.907221376895905

01:29:12.402 --> 01:29:14.560 point about the aids epidemic.

NOTE Confidence: 0.907221376895905

01:29:14.560 --> 01:29:17.115 We have to remember the way that

NOTE Confidence: 0.907221376895905

01:29:17.115 --> 01:29:19.048 activists were really crucial in

NOTE Confidence: 0.907221376895905

01:29:19.048 --> 01:29:21.358 creating new kinds of pathways for

NOTE Confidence: 0.907221376895905

01:29:21.358 --> 01:29:23.548 research on vaccines in therapy.

NOTE Confidence: 0.907221376895905

01:29:23.550 --> 01:29:25.170 So push the establishment.

NOTE Confidence: 0.907221376895905

01:29:25.170 --> 01:29:27.600 I think it's a question that's

NOTE Confidence: 0.907221376895905

01:29:27.676 --> 01:29:29.806 really hard to answer in Toto,

NOTE Confidence: 0.907221376895905

01:29:29.810 --> 01:29:32.730 but I think it would be a great

NOTE Confidence: 0.907221376895905

01:29:32.730 --> 01:29:34.774 subject for a subsequent seminar

NOTE Confidence: 0.907221376895905

01:29:34.774 --> 01:29:37.630 and love to be apart of it.

NOTE Confidence: 0.881904721260071

01:29:37.790 --> 01:29:40.006 With that, I think the hours a promise.

NOTE Confidence: 0.881904721260071

01:29:40.010 --> 01:29:41.666 I certainly want to thank professor

NOTE Confidence: 0.881904721260071

01:29:41.666 --> 01:29:43.650 Joyner Aiden and they only Rogers and

NOTE Confidence: 0.881904721260071

01:29:43.650 --> 01:29:45.300 John Warner for a terrific evening.

NOTE Confidence: 0.881904721260071

01:29:45.300 --> 01:29:47.239 I want to thank everybody listening for

NOTE Confidence: 0.881904721260071

01:29:47.239 --> 01:29:49.190 joining in, and for your patience with

NOTE Confidence: 0.881904721260071

01:29:49.190 --> 01:29:50.580 our technical my technical difficulties.

NOTE Confidence: 0.881904721260071

01:29:50.580 --> 01:29:52.284 By the way, the ultimate cure

NOTE Confidence: 0.881904721260071

01:29:52.284 --> 01:29:54.470 for those of you who want to tip,

01:29:54.470 --> 01:29:56.686 which is what my wife was an engineer.

01:29:56.690 --> 01:29:59.192 She's not here with me now and tell me,

01:29:59.200 --> 01:30:02.250 is I turned it off and turn it back on again.

01:30:02.250 --> 01:30:03.314 And then it works.

01:30:03.314 --> 01:30:05.589 But there was more to it than that.

01:30:05.590 --> 01:30:07.288 Thanks to Sam Nitsch and others

01:30:07.288 --> 01:30:08.420 who helped me out.

01:30:08.420 --> 01:30:10.332 But listen, this is going to be our

01:30:10.332 --> 01:30:12.073 last session for the program for

01:30:12.073 --> 01:30:13.891 Biomedical Ethics for this academic year,

01:30:13.900 --> 01:30:16.084 but will be doing more starting in September,

01:30:16.090 --> 01:30:18.274 either online or hopefully we can all gather.

01:30:18.280 --> 01:30:20.746 I look forward to the time we can gather,

01:30:20.750 --> 01:30:21.298 and Joanna.

01:30:21.298 --> 01:30:23.490 Thank you so much for a really ending.

01:30:23.490 --> 01:30:24.578 A very difficult year.

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01:30:24.578 --> 01:30:26.538 On a high note in terms of

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01:30:26.538 --> 01:30:27.868 the quality of the work.

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01:30:27.870 --> 01:30:29.814 Thank you so much.

NOTE Confidence: 0.881904721260071

01:30:29.814 --> 01:30:31.066 Alright, Yes,

NOTE Confidence: 0.881904721260071

01:30:31.066 --> 01:30:33.364 thank you Joanna.