

WEBVTT

00:00:00.000 --> 00:00:03.210 Funding for Yale Cancer Answers is

NOTE Confidence: 0.81277647

00:00:03.210 --> 00:00:06.250 provided by Smilow Cancer Hospital.

NOTE Confidence: 0.81277647

00:00:06.250 --> 00:00:08.405 Welcome to Yale Cancer Answers

NOTE Confidence: 0.81277647

00:00:08.405 --> 00:00:10.129 with Doctor Anees Chagpar.

NOTE Confidence: 0.81277647

00:00:10.130 --> 00:00:11.594 Yale Cancer Answers features

NOTE Confidence: 0.81277647

00:00:11.594 --> 00:00:13.424 the latest information on cancer

NOTE Confidence: 0.81277647

00:00:13.424 --> 00:00:15.298 care by welcoming oncologists and

NOTE Confidence: 0.81277647

00:00:15.298 --> 00:00:17.464 specialists who are on the forefront

NOTE Confidence: 0.81277647

00:00:17.523 --> 00:00:19.185 of the battle to fight cancer.

NOTE Confidence: 0.81277647

00:00:19.190 --> 00:00:20.960 This week it's a conversation

NOTE Confidence: 0.81277647

00:00:20.960 --> 00:00:22.730 about global health and oncology

NOTE Confidence: 0.81277647

00:00:22.792 --> 00:00:24.790 with Doctor Donna Spiegelman. Dr.

NOTE Confidence: 0.81277647

00:00:24.790 --> 00:00:26.490 Spiegelman is Susan Dwight Bliss,

NOTE Confidence: 0.81277647

00:00:26.490 --> 00:00:28.042 professor of Biostatistics at

NOTE Confidence: 0.81277647

00:00:28.042 --> 00:00:29.982 the Yale School of Medicine,

NOTE Confidence: 0.81277647

00:00:29.990 --> 00:00:31.770 where Doctor Chagpar is a  
NOTE Confidence: 0.81277647

00:00:31.770 --> 00:00:33.194 professor of surgical oncology.  
NOTE Confidence: 0.915256457727273

00:00:34.700 --> 00:00:36.684 Donna, maybe we can start off by you  
NOTE Confidence: 0.915256457727273

00:00:36.684 --> 00:00:38.480 telling us a little bit more about  
NOTE Confidence: 0.915256457727273

00:00:38.480 --> 00:00:40.150 yourself and what it is you do.  
NOTE Confidence: 0.85024446625

00:00:40.220 --> 00:00:43.545 I have a doctorate in  
NOTE Confidence: 0.85024446625

00:00:43.545 --> 00:00:45.540 Biostatistics and epidemiology.  
NOTE Confidence: 0.85024446625

00:00:45.540 --> 00:00:47.455 Epidemiology is formerly the definition  
NOTE Confidence: 0.85024446625

00:00:47.455 --> 00:00:50.254 is the study of the distribution and  
NOTE Confidence: 0.85024446625

00:00:50.254 --> 00:00:52.299 determinants of health and disease  
NOTE Confidence: 0.85024446625

00:00:52.299 --> 00:00:55.277 and what it does on a practical level.  
NOTE Confidence: 0.85024446625

00:00:55.280 --> 00:00:57.518 Many people have heard about epidemiology  
NOTE Confidence: 0.85024446625

00:00:57.518 --> 00:01:00.780 now since we've had the COVID-19 epidemic  
NOTE Confidence: 0.85024446625

00:01:00.780 --> 00:01:04.996 and it traces with infectious diseases  
NOTE Confidence: 0.85024446625

00:01:04.996 --> 00:01:08.470 like COVID and flu and RSV and so forth,  
NOTE Confidence: 0.85024446625

00:01:08.470 --> 00:01:10.773 it would trace the patterns of spread

NOTE Confidence: 0.85024446625

00:01:10.773 --> 00:01:13.540 of the disease and who might

NOTE Confidence: 0.85024446625

00:01:13.540 --> 00:01:16.158 be at higher risk, who might be at

NOTE Confidence: 0.85024446625

00:01:16.158 --> 00:01:18.030 higher risk for spreading the disease,

NOTE Confidence: 0.85024446625

00:01:18.030 --> 00:01:20.210 how effective vaccines and other

NOTE Confidence: 0.85024446625

00:01:20.210 --> 00:01:22.800 preventive measures are to stop the

NOTE Confidence: 0.85024446625

00:01:22.800 --> 00:01:25.124 spread of the disease and so forth.

NOTE Confidence: 0.85024446625

00:01:25.130 --> 00:01:26.474 And then on

NOTE Confidence: 0.85024446625

00:01:26.474 --> 00:01:28.970 what we call the chronic disease front,

NOTE Confidence: 0.85024446625

00:01:28.970 --> 00:01:31.026 chronic disease meaning diseases

NOTE Confidence: 0.85024446625

00:01:31.026 --> 00:01:33.596 that aren't infectious but occur

NOTE Confidence: 0.85024446625

00:01:33.596 --> 00:01:35.658 over time such as cancer,

NOTE Confidence: 0.85024446625

00:01:35.660 --> 00:01:37.735 the topic of today's discussion,

NOTE Confidence: 0.85024446625

00:01:37.735 --> 00:01:39.165 heart disease, diabetes,

NOTE Confidence: 0.85024446625

00:01:39.165 --> 00:01:42.140 mental health, and so forth.

NOTE Confidence: 0.85024446625

00:01:42.140 --> 00:01:44.984 Epidemiologists study the risk

NOTE Confidence: 0.85024446625

00:01:44.984 --> 00:01:47.828 factors for these diseases.  
NOTE Confidence: 0.85024446625

00:01:47.830 --> 00:01:49.670 And in terms of cancer,  
NOTE Confidence: 0.85024446625

00:01:49.670 --> 00:01:52.288 there's quite a bit known about the  
NOTE Confidence: 0.85024446625

00:01:52.288 --> 00:01:54.354 risk factors for various common  
NOTE Confidence: 0.85024446625

00:01:54.354 --> 00:01:56.946 and less common causes of cancer,  
NOTE Confidence: 0.85024446625

00:01:56.950 --> 00:01:58.320 and still more to learn  
NOTE Confidence: 0.85024446625

00:01:58.320 --> 00:01:59.690 about those causes of cancer.  
NOTE Confidence: 0.85024446625

00:01:59.690 --> 00:02:01.130 And it's epidemiologists  
NOTE Confidence: 0.85024446625

00:02:01.130 --> 00:02:03.530 that do that work primarily.  
NOTE Confidence: 0.85024446625

00:02:03.530 --> 00:02:06.926 Biostatisticians are the people who once  
NOTE Confidence: 0.85024446625

00:02:06.930 --> 00:02:08.337 data are collected,  
NOTE Confidence: 0.85024446625

00:02:08.337 --> 00:02:11.151 figure out how to analyze the  
NOTE Confidence: 0.85024446625

00:02:11.151 --> 00:02:14.149 data to answer questions such as  
NOTE Confidence: 0.85024446625

00:02:14.150 --> 00:02:16.760 is high dietary fat intake a  
NOTE Confidence: 0.85024446625

00:02:16.760 --> 00:02:19.170 risk factor for breast cancer?  
NOTE Confidence: 0.85024446625

00:02:19.170 --> 00:02:21.706 The answer in general seems to be no.

NOTE Confidence: 0.85024446625

00:02:21.710 --> 00:02:25.114 Or do colonoscopies prevent

NOTE Confidence: 0.85024446625

00:02:25.114 --> 00:02:27.667 colorectal cancer incidents?

NOTE Confidence: 0.85024446625

00:02:27.670 --> 00:02:29.274 The answer is yes.

NOTE Confidence: 0.85024446625

00:02:29.274 --> 00:02:31.680 Does cigarette smoking cause lung cancer?

NOTE Confidence: 0.85024446625

00:02:31.680 --> 00:02:33.792 The answer is yes.

NOTE Confidence: 0.85024446625

00:02:33.792 --> 00:02:35.376 Biostatisticians and partnership

NOTE Confidence: 0.85024446625

00:02:35.376 --> 00:02:37.358 with Epidemiologists will take

NOTE Confidence: 0.85024446625

00:02:37.358 --> 00:02:39.332 often large amounts of data and

NOTE Confidence: 0.85024446625

00:02:39.332 --> 00:02:42.541 kind of crunch them down using

NOTE Confidence: 0.85024446625

00:02:42.541 --> 00:02:44.155 established statistical methods

NOTE Confidence: 0.85024446625

00:02:44.160 --> 00:02:46.434 to answer these kinds of questions

NOTE Confidence: 0.85024446625

00:02:46.434 --> 00:02:48.811 and also to quantify the uncertainty

NOTE Confidence: 0.85024446625

00:02:48.811 --> 00:02:51.955 there is in the data about these answers,

NOTE Confidence: 0.85024446625

00:02:51.960 --> 00:02:53.336 should we go on from there

NOTE Confidence: 0.85024446625

00:02:53.336 --> 00:02:54.776 or should I say a little

NOTE Confidence: 0.85024446625

00:02:54.776 --> 00:02:55.928 bit more about myself?  
NOTE Confidence: 0.926590498333333

00:02:56.140 --> 00:02:58.378 Yeah, I was about to ask,  
NOTE Confidence: 0.926590498333333

00:02:58.380 --> 00:03:00.441 tell us a bit more about what you do  
NOTE Confidence: 0.926590498333333

00:03:00.441 --> 00:03:02.397 and in particular you're interested  
NOTE Confidence: 0.926590498333333

00:03:02.397 --> 00:03:07.380 in global oncology.  
NOTE Confidence: 0.896442360714286

00:03:07.380 --> 00:03:09.137 I had been a professor at the  
NOTE Confidence: 0.896442360714286

00:03:09.137 --> 00:03:10.531 Harvard School of Public Health  
NOTE Confidence: 0.896442360714286

00:03:10.531 --> 00:03:12.760 for many years where I worked  
NOTE Confidence: 0.896442360714286

00:03:12.760 --> 00:03:15.339 on the kinds of chronic disease  
NOTE Confidence: 0.896442360714286

00:03:15.340 --> 00:03:17.876 epidemiology questions I've just  
NOTE Confidence: 0.896442360714286

00:03:17.876 --> 00:03:22.308 described and as my career matured,  
NOTE Confidence: 0.896442360714286

00:03:22.310 --> 00:03:25.432 I became more and more interested in  
NOTE Confidence: 0.896442360714286

00:03:25.432 --> 00:03:27.868 taking the information that we have  
NOTE Confidence: 0.896442360714286

00:03:27.868 --> 00:03:30.030 about these risk factors and actually  
NOTE Confidence: 0.896442360714286

00:03:30.030 --> 00:03:31.950 translating them into practice.  
NOTE Confidence: 0.896442360714286

00:03:31.950 --> 00:03:34.160 So we could really start

NOTE Confidence: 0.902370536

00:03:34.410 --> 00:03:35.898 preventing some of these

NOTE Confidence: 0.902370536

00:03:35.898 --> 00:03:37.210 diseases based on the knowledge.

NOTE Confidence: 0.902370536

00:03:37.210 --> 00:03:38.827 And it's not as if that hadn't

NOTE Confidence: 0.935606511428572

00:03:38.840 --> 00:03:39.836 been happening before.

NOTE Confidence: 0.935606511428572

00:03:39.836 --> 00:03:41.164 It certainly had been,

NOTE Confidence: 0.935606511428572

00:03:41.170 --> 00:03:43.420 but I hadn't been a part of that and

NOTE Confidence: 0.935606511428572

00:03:43.420 --> 00:03:45.794 so I wanted to be a part of it and

NOTE Confidence: 0.935606511428572

00:03:45.800 --> 00:03:47.212 by coming to Yale,

NOTE Confidence: 0.935606511428572

00:03:47.212 --> 00:03:48.977 where I'm now the director

NOTE Confidence: 0.935606511428572

00:03:48.980 --> 00:03:51.431 of our Center on methods for

NOTE Confidence: 0.935606511428572

00:03:51.431 --> 00:03:53.259 Implementation and prevention Science,

NOTE Confidence: 0.935606511428572

00:03:53.260 --> 00:03:56.599 I'm actually able to really dig in

NOTE Confidence: 0.935606511428572

00:03:56.599 --> 00:03:59.400 very deeply to participate in projects

NOTE Confidence: 0.935606511428572

00:03:59.400 --> 00:04:01.700 that are working on implementing

NOTE Confidence: 0.935606511428572

00:04:01.700 --> 00:04:03.897 various ways of preventing cancer,

NOTE Confidence: 0.935606511428572

00:04:03.897 --> 00:04:06.411 both here in the United States  
NOTE Confidence: 0.935606511428572

00:04:06.411 --> 00:04:09.642 as well as overseas and also in  
NOTE Confidence: 0.935606511428572

00:04:09.642 --> 00:04:11.455 developing statistical methods to  
NOTE Confidence: 0.935606511428572

00:04:11.455 --> 00:04:14.028 improve our ability to do this work.  
NOTE Confidence: 0.935606511428572

00:04:14.028 --> 00:04:15.613 So in terms of global  
NOTE Confidence: 0.935606511428572

00:04:15.620 --> 00:04:16.080 Oncology,  
NOTE Confidence: 0.935606511428572

00:04:16.080 --> 00:04:18.840 I had some experience with this  
NOTE Confidence: 0.935606511428572

00:04:18.840 --> 00:04:21.722 at Harvard and have quite a bit  
NOTE Confidence: 0.935606511428572

00:04:21.722 --> 00:04:24.292 more now that I've come to Yale  
NOTE Confidence: 0.935606511428572

00:04:24.292 --> 00:04:26.826 and the focus that we've had so  
NOTE Confidence: 0.935606511428572

00:04:26.826 --> 00:04:29.878 far has been on cervical cancer.  
NOTE Confidence: 0.935606511428572

00:04:29.878 --> 00:04:33.960 Cervical cancer is actually a rare  
NOTE Confidence: 0.935606511428572

00:04:33.960 --> 00:04:36.816 cancer in the United States and in  
NOTE Confidence: 0.935606511428572

00:04:36.816 --> 00:04:39.637 other high income countries in Europe,  
NOTE Confidence: 0.935606511428572

00:04:39.640 --> 00:04:40.892 whereas like for example,  
NOTE Confidence: 0.935606511428572

00:04:40.892 --> 00:04:43.907 if I have it right in front of me now,



NOTE Confidence: 0.935606511428572  
00:04:43.910 --> 00:04:46.017 the leading sites of new cancer  
NOTE Confidence: 0.935606511428572  
00:04:46.020 --> 00:04:48.550 deaths 2022 from the American  
NOTE Confidence: 0.935606511428572  
00:04:48.550 --> 00:04:50.574 Cancer Society among women,  
NOTE Confidence: 0.935606511428572  
00:04:50.580 --> 00:04:53.500 cervical cancer isn't even on the list.  
NOTE Confidence: 0.935606511428572  
00:04:53.500 --> 00:04:55.156 Whereas say in Mexico,  
NOTE Confidence: 0.935606511428572  
00:04:55.156 --> 00:04:58.210 it's the second leading cause of cancer  
NOTE Confidence: 0.935606511428572  
00:04:58.210 --> 00:05:00.655 incidence and death among women.  
NOTE Confidence: 0.935606511428572  
00:05:00.660 --> 00:05:02.998 And in Nepal it's actually the 1st.  
NOTE Confidence: 0.935606511428572  
00:05:03.000 --> 00:05:04.092 In India,  
NOTE Confidence: 0.935606511428572  
00:05:04.092 --> 00:05:05.730 which is about 1/4  
NOTE Confidence: 0.935606511428572  
00:05:05.796 --> 00:05:07.280 of the world's population,  
NOTE Confidence: 0.935606511428572  
00:05:07.280 --> 00:05:08.180 if not more,  
NOTE Confidence: 0.935606511428572  
00:05:08.180 --> 00:05:09.980 it's also the first or second  
NOTE Confidence: 0.935606511428572  
00:05:09.980 --> 00:05:11.300 leading cause of cancer.  
NOTE Confidence: 0.935606511428572  
00:05:11.300 --> 00:05:14.108 So we know how to prevent cervical  
NOTE Confidence: 0.935606511428572

00:05:14.108 --> 00:05:16.229 cancer because it used to be quite  
NOTE Confidence: 0.935606511428572

00:05:16.230 --> 00:05:16.886 common here,  
NOTE Confidence: 0.935606511428572

00:05:16.886 --> 00:05:20.160 say 50 or 100 years ago, now it's completely  
NOTE Confidence: 0.935606511428572

00:05:20.160 --> 00:05:23.020 prevented by our screening programs.  
NOTE Confidence: 0.935606511428572

00:05:23.020 --> 00:05:25.606 But this knowledge hasn't quite made  
NOTE Confidence: 0.935606511428572

00:05:25.606 --> 00:05:28.410 it over to many other countries  
NOTE Confidence: 0.935606511428572

00:05:28.410 --> 00:05:31.618 around the world who could use the  
NOTE Confidence: 0.935606511428572

00:05:31.618 --> 00:05:33.772 kind of technology that we have  
NOTE Confidence: 0.935606511428572

00:05:33.772 --> 00:05:35.620 for preventing cervical cancer,  
NOTE Confidence: 0.935606511428572

00:05:35.620 --> 00:05:38.740 possibly adapted to their special contexts.  
NOTE Confidence: 0.935606511428572

00:05:38.740 --> 00:05:41.106 So that's an example of the kind  
NOTE Confidence: 0.935606511428572

00:05:41.106 --> 00:05:42.798 of global oncology work that we're  
NOTE Confidence: 0.935606511428572

00:05:42.798 --> 00:05:44.390 doing here at Yale right now,  
NOTE Confidence: 0.912547590666667

00:05:44.880 --> 00:05:46.404 which brings us to  
NOTE Confidence: 0.912547590666667

00:05:46.404 --> 00:05:49.313 that other piece that you mentioned in  
NOTE Confidence: 0.912547590666667

00:05:49.313 --> 00:05:51.529 passing about implementation science.

NOTE Confidence: 0.912547590666667  
00:05:51.530 --> 00:05:53.706 So can you talk a little bit more  
NOTE Confidence: 0.912547590666667  
00:05:53.706 --> 00:05:55.134 about how exactly implementation  
NOTE Confidence: 0.912547590666667  
00:05:55.134 --> 00:05:57.570 science works and how it might  
NOTE Confidence: 0.912547590666667  
00:05:57.570 --> 00:05:59.942 be applied to questions like you  
NOTE Confidence: 0.912547590666667  
00:05:59.942 --> 00:06:02.186 mentioned in terms of cervical cancer  
NOTE Confidence: 0.912547590666667  
00:06:02.190 --> 00:06:04.980 prevention in the global context?  
NOTE Confidence: 0.70488836  
00:06:06.420 --> 00:06:08.466 That's a great question.  
NOTE Confidence: 0.70488836  
00:06:08.470 --> 00:06:12.550 So implementation science is say compared  
NOTE Confidence: 0.70488836  
00:06:12.550 --> 00:06:15.270 to Biostatistics and epidemiology,  
NOTE Confidence: 0.70488836  
00:06:15.270 --> 00:06:16.678 a relatively new field.  
NOTE Confidence: 0.70488836  
00:06:16.678 --> 00:06:19.157 It's one that I've really jumped into  
NOTE Confidence: 0.70488836  
00:06:19.157 --> 00:06:21.250 over the past five or more years,  
NOTE Confidence: 0.70488836  
00:06:21.250 --> 00:06:23.861 especially since I've come to Yale and  
NOTE Confidence: 0.70488836  
00:06:23.861 --> 00:06:27.186 it being the focus of our center  
NOTE Confidence: 0.70488836  
00:06:27.186 --> 00:06:29.311 here along with many investigators  
NOTE Confidence: 0.70488836

00:06:29.385 --> 00:06:31.713 at the medical school and the  
NOTE Confidence: 0.70488836

00:06:31.713 --> 00:06:33.688 Yale New Haven Hospital system,  
NOTE Confidence: 0.70488836

00:06:33.688 --> 00:06:36.614 the School of Public Health and elsewhere.  
NOTE Confidence: 0.70488836

00:06:36.620 --> 00:06:41.484 And it's literally the science of  
NOTE Confidence: 0.70488836

00:06:41.484 --> 00:06:44.640 implementing evidence based interventions.  
NOTE Confidence: 0.70488836

00:06:44.640 --> 00:06:48.176 So for example, if we want to continue  
NOTE Confidence: 0.70488836

00:06:48.176 --> 00:06:51.140 on talking about cervical cancer,  
NOTE Confidence: 0.70488836

00:06:51.140 --> 00:06:54.428 we know that having regular pap  
NOTE Confidence: 0.70488836

00:06:54.428 --> 00:06:57.200 smears for women starting  
NOTE Confidence: 0.70488836

00:06:57.200 --> 00:07:00.720 say when they're 18 or so and going  
NOTE Confidence: 0.70488836

00:07:00.720 --> 00:07:03.529 into maybe age 50 or  
NOTE Confidence: 0.70488836

00:07:03.529 --> 00:07:06.085 60 and then treating those women  
NOTE Confidence: 0.70488836

00:07:06.085 --> 00:07:07.833 who have precancerous lesions  
NOTE Confidence: 0.70488836

00:07:07.840 --> 00:07:11.325 that appear on the PAP smears is  
NOTE Confidence: 0.70488836

00:07:11.325 --> 00:07:13.545 extremely effective in preventing  
NOTE Confidence: 0.70488836

00:07:13.545 --> 00:07:15.765 cervical cancer from developing.

NOTE Confidence: 0.70488836

00:07:15.770 --> 00:07:17.570 And so the question is,

NOTE Confidence: 0.70488836

00:07:17.570 --> 00:07:19.646 say in Mexico or in Nepal,

NOTE Confidence: 0.70488836

00:07:19.650 --> 00:07:21.648 which are two places we're working,

NOTE Confidence: 0.70488836

00:07:21.650 --> 00:07:23.838 why isn't this happening?

NOTE Confidence: 0.70488836

00:07:23.838 --> 00:07:27.460 So implementation science will start out by

NOTE Confidence: 0.871959477

00:07:29.780 --> 00:07:32.004 distributing surveys across the

NOTE Confidence: 0.871959477

00:07:32.004 --> 00:07:35.340 spectrum of what we call stakeholders.

NOTE Confidence: 0.871959477

00:07:35.340 --> 00:07:37.440 So stakeholders aren't just

NOTE Confidence: 0.871959477

00:07:37.440 --> 00:07:39.540 the clients or patients,

NOTE Confidence: 0.871959477

00:07:39.540 --> 00:07:40.992 they're also the providers,

NOTE Confidence: 0.871959477

00:07:40.992 --> 00:07:43.686 which could be the providers who are

NOTE Confidence: 0.871959477

00:07:43.686 --> 00:07:45.190 interacting one-on-one with women.

NOTE Confidence: 0.871959477

00:07:45.190 --> 00:07:47.640 They could be with other providers who

NOTE Confidence: 0.871959477

00:07:47.707 --> 00:07:49.877 are scheduling women to come in for

NOTE Confidence: 0.871959477

00:07:49.877 --> 00:07:52.087 screening and then come back

NOTE Confidence: 0.871959477

00:07:52.087 --> 00:07:54.309 for those women who have abnormal screens,

NOTE Confidence: 0.871959477

00:07:54.309 --> 00:07:57.032 they can be the providers who are

NOTE Confidence: 0.871959477

00:07:57.032 --> 00:07:58.979 actually treating abnormal screens.

00:08:01.450 --> 00:08:03.613 They could be people on the social

NOTE Confidence: 0.871959477

00:08:03.613 --> 00:08:05.970 networks of women such as their partners,

NOTE Confidence: 0.871959477

00:08:05.970 --> 00:08:07.275 their family members,

NOTE Confidence: 0.871959477

00:08:07.275 --> 00:08:09.015 their neighbors and coworkers.

NOTE Confidence: 0.871959477

00:08:09.020 --> 00:08:10.934 They could be people who are

NOTE Confidence: 0.871959477

00:08:10.934 --> 00:08:12.740 in the ministries of health,

NOTE Confidence: 0.871959477

00:08:12.740 --> 00:08:14.645 who are actually making decisions

NOTE Confidence: 0.871959477

00:08:14.645 --> 00:08:16.550 about policies and budget and

NOTE Confidence: 0.871959477

00:08:16.614 --> 00:08:18.828 how much to allocate to different

NOTE Confidence: 0.871959477

00:08:18.828 --> 00:08:20.790 aspects of their healthcare system.

NOTE Confidence: 0.871959477

00:08:20.790 --> 00:08:23.768 And it can be politicians and what

NOTE Confidence: 0.871959477

00:08:23.768 --> 00:08:25.682 we find around the world with

NOTE Confidence: 0.871959477

00:08:25.682 --> 00:08:27.894 respect to cervical cancer as well

NOTE Confidence: 0.871959477

00:08:27.894 --> 00:08:29.774 as many other health issues  
NOTE Confidence: 0.871959477

00:08:29.780 --> 00:08:31.885 that are preventable and prevented  
NOTE Confidence: 0.871959477

00:08:31.885 --> 00:08:34.921 in the United States and other high  
NOTE Confidence: 0.871959477

00:08:34.921 --> 00:08:37.061 income countries is that usually  
NOTE Confidence: 0.871959477

00:08:37.061 --> 00:08:39.350 the World Health Organization,  
NOTE Confidence: 0.871959477

00:08:39.350 --> 00:08:42.175 which is the international body  
NOTE Confidence: 0.871959477

00:08:42.175 --> 00:08:45.000 that considers global health issues  
NOTE Confidence: 0.871959477

00:08:45.088 --> 00:08:47.446 a very major role they play,  
NOTE Confidence: 0.871959477

00:08:47.450 --> 00:08:50.888 is also in making policy recommendations.  
NOTE Confidence: 0.871959477

00:08:50.890 --> 00:08:53.500 So the World Health Organization has  
NOTE Confidence: 0.871959477

00:08:53.500 --> 00:08:56.030 policy recommendations for the prevention,  
NOTE Confidence: 0.871959477

00:08:56.030 --> 00:08:58.038 screening, and treatment of  
NOTE Confidence: 0.871959477

00:08:58.038 --> 00:09:00.046 cervical cancer and most  
NOTE Confidence: 0.871959477

00:09:00.050 --> 00:09:02.756 countries around the world adopt those  
NOTE Confidence: 0.871959477

00:09:02.756 --> 00:09:04.980 recommendations so that we find,  
NOTE Confidence: 0.871959477

00:09:04.980 --> 00:09:08.274 let's say, in our work in Mexico and Nepal,

NOTE Confidence: 0.871959477

00:09:08.280 --> 00:09:09.717 in the books,

NOTE Confidence: 0.871959477

00:09:09.717 --> 00:09:13.420 the policies are exactly what they should be.

NOTE Confidence: 0.871959477

00:09:13.420 --> 00:09:15.862 So the problem is not necessarily

NOTE Confidence: 0.871959477

00:09:15.862 --> 00:09:18.873 that we need to convince policymakers

NOTE Confidence: 0.871959477

00:09:18.873 --> 00:09:20.817 to change policy.

NOTE Confidence: 0.871959477

00:09:20.820 --> 00:09:22.640 That might not be true for every

NOTE Confidence: 0.871959477

00:09:22.640 --> 00:09:25.008 health issue, but it's quite common,

NOTE Confidence: 0.871959477

00:09:25.008 --> 00:09:27.780 so it's further downstream from policy.

NOTE Confidence: 0.871959477

00:09:27.780 --> 00:09:30.279 So then we have to figure out

NOTE Confidence: 0.871959477

00:09:30.280 --> 00:09:33.549 we can start maybe from the bottom

NOTE Confidence: 0.871959477

00:09:33.549 --> 00:09:36.320 up and speak to

NOTE Confidence: 0.871959477

00:09:36.320 --> 00:09:38.518 women who are coming into clinics who

NOTE Confidence: 0.871959477

00:09:38.518 --> 00:09:40.607 are eligible for screening find out

NOTE Confidence: 0.871959477

00:09:40.607 --> 00:09:42.779 what they know about cervical cancer,

NOTE Confidence: 0.871959477

00:09:42.780 --> 00:09:45.320 what their barriers might be

NOTE Confidence: 0.871959477



00:09:45.320 --> 00:09:47.352 to seeking out screening,  
NOTE Confidence: 0.871959477

00:09:47.360 --> 00:09:49.754 and then for those who have  
NOTE Confidence: 0.871959477

00:09:49.754 --> 00:09:51.350 received an abnormal screen,  
NOTE Confidence: 0.871959477

00:09:51.350 --> 00:09:53.898 their barriers to following up with that.  
NOTE Confidence: 0.871959477

00:09:53.900 --> 00:09:56.469 And then we can talk to providers  
NOTE Confidence: 0.871959477

00:09:56.469 --> 00:09:59.520 at the different levels to find out  
NOTE Confidence: 0.871959477

00:09:59.520 --> 00:10:01.865 why they're not following national  
NOTE Confidence: 0.871959477

00:10:01.865 --> 00:10:03.807 guidelines and reasons can be  
NOTE Confidence: 0.871959477

00:10:03.810 --> 00:10:05.861 things like they don't have the time  
NOTE Confidence: 0.871959477

00:10:05.861 --> 00:10:08.129 with all their other responsibilities,  
NOTE Confidence: 0.871959477

00:10:08.130 --> 00:10:10.530 they don't have the supplies that  
NOTE Confidence: 0.871959477

00:10:10.530 --> 00:10:13.153 are needed to actually do the  
NOTE Confidence: 0.871959477

00:10:13.153 --> 00:10:14.569 screenings and treatments,  
NOTE Confidence: 0.871959477

00:10:14.570 --> 00:10:17.050 they haven't properly been trained  
NOTE Confidence: 0.871959477

00:10:17.050 --> 00:10:19.957 and they don't feel comfortable doing  
NOTE Confidence: 0.871959477

00:10:19.957 --> 00:10:22.725 them or their stigma is also a big

NOTE Confidence: 0.871959477

00:10:22.725 --> 00:10:25.625 issue in cancer for both men and women.

NOTE Confidence: 0.871959477

00:10:25.630 --> 00:10:28.759 And both clients and patients as well

NOTE Confidence: 0.871959477

00:10:28.759 --> 00:10:31.593 as providers can have stigma where

NOTE Confidence: 0.871959477

00:10:31.593 --> 00:10:34.407 they want to avoid talking about

NOTE Confidence: 0.871959477

00:10:34.410 --> 00:10:38.268 cancer and screening, screening,

NOTE Confidence: 0.871959477

00:10:38.268 --> 00:10:40.420 preventing and treating cancer.

NOTE Confidence: 0.871959477

00:10:40.420 --> 00:10:42.028 So implementation scientists will

NOTE Confidence: 0.871959477

00:10:42.028 --> 00:10:45.120 try to figure out what are the

NOTE Confidence: 0.871959477

00:10:45.120 --> 00:10:47.563 primary barriers at

NOTE Confidence: 0.871959477

00:10:47.563 --> 00:10:49.739 these different levels?

NOTE Confidence: 0.871959477

00:10:49.740 --> 00:10:52.308 And then also what are the

NOTE Confidence: 0.871959477

00:10:52.308 --> 00:10:53.592 facilitators because oftentimes,

NOTE Confidence: 0.871959477

00:10:53.600 --> 00:10:55.550 say in the clinics we're working

NOTE Confidence: 0.871959477

00:10:55.550 --> 00:10:57.380 with in Nepal and Mexico,

NOTE Confidence: 0.871959477

00:10:57.380 --> 00:10:59.956 it's not like there's no screening going on.

NOTE Confidence: 0.8499701

00:10:59.960 --> 00:11:01.700 There is some screening going on,  
NOTE Confidence: 0.8499701

00:11:01.700 --> 00:11:03.584 but it's not adequate.  
NOTE Confidence: 0.8499701

00:11:03.584 --> 00:11:05.468 It's below the ideal  
NOTE Confidence: 0.8499701

00:11:05.470 --> 00:11:07.762 percentages, which may be is something  
NOTE Confidence: 0.8499701

00:11:07.762 --> 00:11:10.726 like 80% of women who are within the  
NOTE Confidence: 0.8499701

00:11:10.726 --> 00:11:13.036 eligible age range should be screened  
NOTE Confidence: 0.8499701

00:11:13.036 --> 00:11:15.724 who have had a previous normal screen,  
NOTE Confidence: 0.8499701

00:11:15.730 --> 00:11:18.130 say every three years,  
NOTE Confidence: 0.8499701

00:11:18.130 --> 00:11:21.330 and maybe 50% of women are  
NOTE Confidence: 0.8499701

00:11:21.330 --> 00:11:23.330 being screened rather than say,  
NOTE Confidence: 0.8499701

00:11:23.330 --> 00:11:24.350 the goal might be  
NOTE Confidence: 0.8499701

00:11:24.350 --> 00:11:25.698 of course we'd like 100%,  
NOTE Confidence: 0.8499701

00:11:25.698 --> 00:11:28.650 but maybe a more realistic goal might be 90.  
NOTE Confidence: 0.8499701

00:11:28.650 --> 00:11:30.330 So we have a long way to  
NOTE Confidence: 0.8499701

00:11:30.330 --> 00:11:32.347 go to get that other 40%,  
NOTE Confidence: 0.8499701

00:11:32.347 --> 00:11:35.449 but we can still learn about

NOTE Confidence: 0.8499701

00:11:35.450 --> 00:11:38.095 What's facilitating the 50% and

NOTE Confidence: 0.8499701

00:11:38.095 --> 00:11:41.500 then how can we leverage those

NOTE Confidence: 0.8499701

00:11:41.500 --> 00:11:44.805 facilitators to improve the program.

NOTE Confidence: 0.8499701

00:11:44.810 --> 00:11:47.120 Then once we collect all this information,

NOTE Confidence: 0.8499701

00:11:47.120 --> 00:11:49.538 we might design a multi level,

NOTE Confidence: 0.8499701

00:11:49.538 --> 00:11:52.554 meaning that we might want to be

NOTE Confidence: 0.8499701

00:11:52.554 --> 00:11:54.888 doing things with providers,

NOTE Confidence: 0.8499701

00:11:54.888 --> 00:11:57.160 with the facility administrators,

NOTE Confidence: 0.8499701

00:11:57.160 --> 00:12:00.016 with the clients and even possibly people

NOTE Confidence: 0.8499701

00:12:00.016 --> 00:12:02.464 in their social networks to address

NOTE Confidence: 0.8499701

00:12:02.464 --> 00:12:05.686 the issues that have come up and then

NOTE Confidence: 0.8499701

00:12:05.686 --> 00:12:08.927 design an intervention and test

NOTE Confidence: 0.8499701

00:12:08.927 --> 00:12:12.805 it in the facilities to see if it worked.

NOTE Confidence: 0.8499701

00:12:12.810 --> 00:12:14.890 Did it improve screening rates?

NOTE Confidence: 0.8499701

00:12:14.890 --> 00:12:16.850 Did it improve follow-up rates?

NOTE Confidence: 0.8499701

00:12:16.850 --> 00:12:18.590 Was it cost effective,  
NOTE Confidence: 0.8499701

00:12:18.590 --> 00:12:20.330 but is it sustainable?  
NOTE Confidence: 0.8499701

00:12:20.330 --> 00:12:22.088 And then go on from there.  
NOTE Confidence: 0.8499701

00:12:22.090 --> 00:12:24.505 So these are the kinds of things  
NOTE Confidence: 0.8499701

00:12:24.505 --> 00:12:25.540 implementation scientists do.  
NOTE Confidence: 0.8499701

00:12:25.540 --> 00:12:27.946 We're not coming up with new  
NOTE Confidence: 0.8499701

00:12:27.946 --> 00:12:29.550 treatments or new cures.  
NOTE Confidence: 0.8499701

00:12:29.550 --> 00:12:31.884 There's many causes of cancer where  
NOTE Confidence: 0.8499701

00:12:31.884 --> 00:12:34.450 all the materials are there to  
NOTE Confidence: 0.8499701

00:12:34.450 --> 00:12:36.318 drastically reduce cancer rates.  
NOTE Confidence: 0.8499701

00:12:36.320 --> 00:12:38.728 And the challenge for us  
NOTE Confidence: 0.8499701

00:12:38.728 --> 00:12:40.792 as public health professionals is  
NOTE Confidence: 0.8499701

00:12:40.792 --> 00:12:43.197 to get those interventions out,  
NOTE Confidence: 0.8499701

00:12:43.200 --> 00:12:46.434 to adapt them appropriately to different  
NOTE Confidence: 0.8499701

00:12:46.434 --> 00:12:48.590 cultural contexts and different  
NOTE Confidence: 0.8499701

00:12:48.665 --> 00:12:51.360 health systems and get them out.

NOTE Confidence: 0.8499701

00:12:51.360 --> 00:12:53.538 So that's what implementation science is.

NOTE Confidence: 0.8499701

00:12:53.540 --> 00:12:55.150 Does that make sense to you anyways?

NOTE Confidence: 0.84569501

00:12:55.240 --> 00:12:58.096 Yeah, the question though,

NOTE Confidence: 0.84569501

00:12:58.100 --> 00:13:00.150 I think, Donna, is that

NOTE Confidence: 0.84569501

00:13:00.150 --> 00:13:01.869 in many cases,

NOTE Confidence: 0.84569501

00:13:01.869 --> 00:13:03.981 this is multifactorial, right?

NOTE Confidence: 0.84569501

00:13:03.981 --> 00:13:06.327 There's an element of stigma,

NOTE Confidence: 0.84569501

00:13:06.330 --> 00:13:07.710 there's an element of cost,

NOTE Confidence: 0.84569501

00:13:07.710 --> 00:13:09.630 there's an element of time.

NOTE Confidence: 0.84569501

00:13:09.630 --> 00:13:12.462 There's multiple factors that go into

NOTE Confidence: 0.84569501

00:13:12.462 --> 00:13:15.942 this and kind of putting that together

NOTE Confidence: 0.84569501

00:13:15.942 --> 00:13:19.435 in a cultural context to really try

NOTE Confidence: 0.84569501

00:13:19.522 --> 00:13:23.140 to design interventions that would be

NOTE Confidence: 0.84569501

00:13:23.140 --> 00:13:25.874 effective in increasing

NOTE Confidence: 0.84569501

00:13:25.874 --> 00:13:28.184 screening or other preventative measures.

NOTE Confidence: 0.84569501

00:13:28.190 --> 00:13:29.219 So, for example,  
NOTE Confidence: 0.84569501

00:13:29.219 --> 00:13:31.277 when we talk about cervical cancer.  
NOTE Confidence: 0.84569501

00:13:31.280 --> 00:13:33.842 Another one that is often missing  
NOTE Confidence: 0.84569501

00:13:33.842 --> 00:13:36.560 in the global context is vaccines.  
NOTE Confidence: 0.84569501

00:13:36.560 --> 00:13:38.745 It's something that often is  
NOTE Confidence: 0.84569501

00:13:38.745 --> 00:13:40.493 a little bit challenging,  
NOTE Confidence: 0.84569501

00:13:40.500 --> 00:13:42.420 So what I'd like to do is pick  
NOTE Confidence: 0.84569501

00:13:42.420 --> 00:13:44.199 up the conversation there.  
NOTE Confidence: 0.84569501

00:13:44.200 --> 00:13:46.408 But first we need to take a short  
NOTE Confidence: 0.84569501

00:13:46.408 --> 00:13:48.120 break for a medical minute.  
NOTE Confidence: 0.84569501

00:13:48.120 --> 00:13:50.115 So please stay tuned to learn more  
NOTE Confidence: 0.84569501

00:13:50.115 --> 00:13:52.042 about global health and oncology with  
NOTE Confidence: 0.84569501

00:13:52.042 --> 00:13:53.727 my guest doctor Donna Spiegelman.  
NOTE Confidence: 0.787939498

00:13:54.430 --> 00:13:56.440 Funding for Yale Cancer Answers  
NOTE Confidence: 0.787939498

00:13:56.440 --> 00:13:58.450 comes from Smilow Cancer Hospital,  
NOTE Confidence: 0.787939498

00:13:58.450 --> 00:14:00.106 where their one-of-a-kind

NOTE Confidence: 0.787939498

00:14:00.106 --> 00:14:01.210 Sexuality, intimacy,

NOTE Confidence: 0.787939498

00:14:01.210 --> 00:14:03.610 and menopause program combines medical

NOTE Confidence: 0.787939498

00:14:03.610 --> 00:14:05.050 and psychological interventions

NOTE Confidence: 0.787939498

00:14:05.050 --> 00:14:07.480 for women who experience sexual

NOTE Confidence: 0.787939498

00:14:07.480 --> 00:14:08.890 dysfunction after cancer.

NOTE Confidence: 0.787939498

00:14:08.890 --> 00:14:12.970 [Smilowcancerhospital.org](http://Smilowcancerhospital.org).

NOTE Confidence: 0.787939498

00:14:12.970 --> 00:14:15.455 There are over 16.9 million

NOTE Confidence: 0.787939498

00:14:15.455 --> 00:14:18.401 cancer survivors in the US and

NOTE Confidence: 0.787939498

00:14:18.401 --> 00:14:20.322 over 240,000 here in Connecticut.

NOTE Confidence: 0.787939498

00:14:20.322 --> 00:14:21.874 Completing treatment for cancer

NOTE Confidence: 0.787939498

00:14:21.874 --> 00:14:24.149 is a very exciting milestone,

NOTE Confidence: 0.787939498

00:14:24.150 --> 00:14:26.118 but cancer and its treatment can

NOTE Confidence: 0.787939498

00:14:26.118 --> 00:14:28.210 be a life changing experience.

NOTE Confidence: 0.787939498

00:14:28.210 --> 00:14:30.230 The return to normal activities

NOTE Confidence: 0.787939498

00:14:30.230 --> 00:14:32.250 and relationships may be difficult

NOTE Confidence: 0.787939498



00:14:32.313 --> 00:14:34.088 and cancer survivors may face  
NOTE Confidence: 0.787939498

00:14:34.088 --> 00:14:36.355 other long term side effects of  
NOTE Confidence: 0.787939498

00:14:36.355 --> 00:14:38.067 cancer including heart problems,  
NOTE Confidence: 0.787939498

00:14:38.070 --> 00:14:39.762 osteoporosis, fertility issues,  
NOTE Confidence: 0.787939498

00:14:39.762 --> 00:14:43.710 and an increased risk of second cancers.  
NOTE Confidence: 0.787939498

00:14:43.710 --> 00:14:46.160 Resources for cancer survivors are  
NOTE Confidence: 0.787939498

00:14:46.160 --> 00:14:48.120 available at federally designated  
NOTE Confidence: 0.787939498

00:14:48.120 --> 00:14:49.569 Comprehensive cancer centers,  
NOTE Confidence: 0.787939498

00:14:49.570 --> 00:14:51.646 such as Yale Cancer Center  
NOTE Confidence: 0.787939498

00:14:51.646 --> 00:14:53.730 and Smilow Cancer Hospital  
NOTE Confidence: 0.787939498

00:14:53.730 --> 00:14:55.730 to keep cancer survivors well  
NOTE Confidence: 0.787939498

00:14:55.730 --> 00:14:57.730 and focused on healthy living.  
NOTE Confidence: 0.787939498

00:14:57.730 --> 00:15:00.040 The Smilow Cancer Hospital Survivorship  
NOTE Confidence: 0.787939498

00:15:00.040 --> 00:15:02.350 Clinic focuses on providing guidance  
NOTE Confidence: 0.787939498

00:15:02.411 --> 00:15:04.595 and direction to empower survivors to  
NOTE Confidence: 0.787939498

00:15:04.595 --> 00:15:06.910 take steps to maximize their health,

NOTE Confidence: 0.787939498

00:15:06.910 --> 00:15:08.314 quality of life,

NOTE Confidence: 0.787939498

00:15:08.314 --> 00:15:09.250 and longevity.

NOTE Confidence: 0.787939498

00:15:09.250 --> 00:15:12.170 More information is available at

NOTE Confidence: 0.787939498

00:15:12.170 --> 00:15:13.986 yalecancercenter.org. You're listening to

NOTE Confidence: 0.787939498

00:15:13.986 --> 00:15:15.348 Connecticut public radio.

NOTE Confidence: 0.835587196666667

00:15:16.030 --> 00:15:18.178 Welcome back to Yale Cancer Answers.

NOTE Confidence: 0.835587196666667

00:15:18.180 --> 00:15:20.082 This is doctor Anees Chagpar and

NOTE Confidence: 0.835587196666667

00:15:20.082 --> 00:15:21.939 I'm joined tonight by my guest,

NOTE Confidence: 0.835587196666667

00:15:21.940 --> 00:15:23.371 Doctor Donna Spiegelman.

NOTE Confidence: 0.835587196666667

00:15:23.371 --> 00:15:26.233 We're talking about global oncology care.

NOTE Confidence: 0.835587196666667

00:15:26.240 --> 00:15:27.580 And right before the break,

NOTE Confidence: 0.835587196666667

00:15:27.580 --> 00:15:30.124 Donna was telling us about an

NOTE Confidence: 0.835587196666667

00:15:30.124 --> 00:15:31.820 example of cervical cancer,

NOTE Confidence: 0.835587196666667

00:15:31.820 --> 00:15:34.292 which while relatively rare here in

NOTE Confidence: 0.835587196666667

00:15:34.292 --> 00:15:37.271 the US is relatively common in many

NOTE Confidence: 0.835587196666667

00:15:37.271 --> 00:15:39.785 low to middle income countries like  
NOTE Confidence: 0.835587196666667

00:15:39.785 --> 00:15:42.706 Mexico and Nepal where she has projects.  
NOTE Confidence: 0.835587196666667

00:15:42.710 --> 00:15:44.972 She was also talking to us  
NOTE Confidence: 0.835587196666667

00:15:44.972 --> 00:15:46.103 about implementation science.  
NOTE Confidence: 0.835587196666667

00:15:46.110 --> 00:15:49.757 This idea that we can translate knowledge,  
NOTE Confidence: 0.835587196666667

00:15:49.760 --> 00:15:52.756 so we know for example that implementation  
NOTE Confidence: 0.835587196666667

00:15:52.756 --> 00:15:55.248 of vaccines and pap smears has  
NOTE Confidence: 0.835587196666667

00:15:55.248 --> 00:15:57.504 been pretty effective here in the  
NOTE Confidence: 0.835587196666667

00:15:57.504 --> 00:16:00.179 US in preventing cervical cancer.  
NOTE Confidence: 0.835587196666667

00:16:00.180 --> 00:16:02.777 So why isn't that happening in other  
NOTE Confidence: 0.835587196666667

00:16:02.777 --> 00:16:05.229 low to middle income countries?  
NOTE Confidence: 0.835587196666667

00:16:05.230 --> 00:16:06.680 And Donna before the break,  
NOTE Confidence: 0.835587196666667

00:16:06.680 --> 00:16:08.766 as I was saying, it's really sounds  
NOTE Confidence: 0.835587196666667

00:16:08.766 --> 00:16:10.660 like this is multifactorial.  
NOTE Confidence: 0.835587196666667

00:16:10.660 --> 00:16:13.940 So there are issues with regards to time,  
NOTE Confidence: 0.835587196666667

00:16:13.940 --> 00:16:16.544 there are issues with regards to cost.

NOTE Confidence: 0.835587196666667  
00:16:16.550 --> 00:16:19.280 There are issues with regards to  
NOTE Confidence: 0.835587196666667  
00:16:19.280 --> 00:16:20.190 cultural barriers.  
NOTE Confidence: 0.835587196666667  
00:16:20.190 --> 00:16:21.710 There may be stigma,  
NOTE Confidence: 0.835587196666667  
00:16:21.710 --> 00:16:24.074 there may be  
NOTE Confidence: 0.835587196666667  
00:16:24.074 --> 00:16:26.034 health care workforce issues,  
NOTE Confidence: 0.835587196666667  
00:16:26.034 --> 00:16:28.962 all of which play into this  
NOTE Confidence: 0.835587196666667  
00:16:28.962 --> 00:16:31.229 very complicated puzzle.  
NOTE Confidence: 0.835587196666667  
00:16:31.230 --> 00:16:34.362 So can you tell us a little bit more  
NOTE Confidence: 0.835587196666667  
00:16:34.362 --> 00:16:37.279 about some of your projects in Mexico  
NOTE Confidence: 0.835587196666667  
00:16:37.279 --> 00:16:40.927 and Nepal and what your results have been?  
NOTE Confidence: 0.835587196666667  
00:16:40.930 --> 00:16:43.830 What strategies you've  
NOTE Confidence: 0.835587196666667  
00:16:43.830 --> 00:16:46.730 tried to reduce cervical cancer?  
NOTE Confidence: 0.835587196666667  
00:16:46.730 --> 00:16:48.026 What's worked, what hasn't,  
NOTE Confidence: 0.835587196666667  
00:16:48.026 --> 00:16:49.970 and what are your next steps?  
NOTE Confidence: 0.90948606  
00:16:51.600 --> 00:16:53.500 Thank you, Anees and I'd be  
NOTE Confidence: 0.90948606

00:16:53.500 --> 00:16:55.400 happy to share.

NOTE Confidence: 0.6801824

00:16:55.400 --> 00:16:59.740 So in Nepal where we're the furthest along,

NOTE Confidence: 0.6801824

00:16:59.740 --> 00:17:02.550 we've been looking at barriers

NOTE Confidence: 0.6801824

00:17:02.550 --> 00:17:04.798 and facilitators to screening.

NOTE Confidence: 0.6801824

00:17:04.800 --> 00:17:07.068 It turns out in many low

NOTE Confidence: 0.6801824

00:17:07.068 --> 00:17:08.580 and middle income countries,

NOTE Confidence: 0.6801824

00:17:08.580 --> 00:17:10.746 Pap smears doesn't appear to be

NOTE Confidence: 0.6801824

00:17:10.746 --> 00:17:12.980 feasible as the way to screen.

NOTE Confidence: 0.6801824

00:17:12.980 --> 00:17:15.620 And there are some other methods for

NOTE Confidence: 0.6801824

00:17:15.620 --> 00:17:19.633 screening, including something called

NOTE Confidence: 0.6801824

00:17:19.633 --> 00:17:22.298 visual inspection by acetic acid.

NOTE Confidence: 0.6801824

00:17:22.300 --> 00:17:25.436 IA where it's a very low tech

NOTE Confidence: 0.6801824

00:17:25.436 --> 00:17:28.514 way to screen where the women's

NOTE Confidence: 0.6801824

00:17:28.514 --> 00:17:31.949 cervix is painted with a solution

NOTE Confidence: 0.6801824

00:17:31.950 --> 00:17:35.009 of vinegar and then if there are

NOTE Confidence: 0.6801824

00:17:35.009 --> 00:17:37.340 abnormal cells they turn white.

NOTE Confidence: 0.6801824

00:17:37.340 --> 00:17:39.748 And then if those cells turn white,

NOTE Confidence: 0.6801824

00:17:39.750 --> 00:17:41.712 those cells can be removed right

NOTE Confidence: 0.6801824

00:17:41.712 --> 00:17:44.556 then and there through either a heat

NOTE Confidence: 0.6801824

00:17:44.556 --> 00:17:46.666 treatment or a freezing treatment.

NOTE Confidence: 0.6801824

00:17:46.670 --> 00:17:49.544 And so that's called the test and

NOTE Confidence: 0.6801824

00:17:49.544 --> 00:17:52.310 and treat and it's a very appealing

NOTE Confidence: 0.6801824

00:17:52.310 --> 00:17:56.065 option because it doesn't involve

NOTE Confidence: 0.6801824

00:17:56.065 --> 00:17:59.315 this series of appointments and

NOTE Confidence: 0.6801824

00:17:59.315 --> 00:18:03.099 visits that happen to have to take place,

NOTE Confidence: 0.6801824

00:18:03.100 --> 00:18:04.368 say with Pap smears.

NOTE Confidence: 0.908186979285714

00:18:04.380 --> 00:18:06.858 And then there's another method that's

NOTE Confidence: 0.908186979285714

00:18:06.858 --> 00:18:09.580 being promoted now that has to do with,

NOTE Confidence: 0.908186979285714

00:18:09.580 --> 00:18:12.196 as you've mentioned,

NOTE Confidence: 0.908186979285714

00:18:12.200 --> 00:18:13.958 I haven't quite gotten into it,

NOTE Confidence: 0.908186979285714

00:18:13.960 --> 00:18:17.020 that a necessary cause of cervical cancer

NOTE Confidence: 0.908186979285714

00:18:17.020 --> 00:18:20.258 is infection with HPV,  
NOTE Confidence: 0.908186979285714

00:18:20.258 --> 00:18:22.330 the human papilloma virus.  
00:18:25.146 --> 00:18:27.960 And there's a vaccine that will  
NOTE Confidence: 0.908186979285714

00:18:28.050 --> 00:18:31.020 eliminate infection to the HPV virus  
NOTE Confidence: 0.908186979285714

00:18:31.020 --> 00:18:34.706 that's been found now to be effective  
NOTE Confidence: 0.908186979285714

00:18:34.706 --> 00:18:37.070 in preventing cervical cancer.  
NOTE Confidence: 0.908186979285714

00:18:37.070 --> 00:18:39.296 And again, this is available widely  
NOTE Confidence: 0.908186979285714

00:18:39.296 --> 00:18:41.495 in the United States and barely  
NOTE Confidence: 0.908186979285714

00:18:41.495 --> 00:18:43.439 available at all in many other  
NOTE Confidence: 0.908186979285714

00:18:43.439 --> 00:18:45.750 low and middle income countries,  
NOTE Confidence: 0.908186979285714

00:18:45.750 --> 00:18:48.674 including Nepal and Mexico.  
NOTE Confidence: 0.908186979285714

00:18:48.674 --> 00:18:52.329 So back to the  
NOTE Confidence: 0.908186979285714

00:18:52.330 --> 00:18:53.334 HPV virus,  
NOTE Confidence: 0.908186979285714

00:18:53.334 --> 00:18:56.346 because it's a persistent  
NOTE Confidence: 0.908186979285714

00:18:56.346 --> 00:18:59.382 infection with this virus is necessary  
NOTE Confidence: 0.908186979285714

00:18:59.382 --> 00:19:01.817 for cervical cancer to develop.  
NOTE Confidence: 0.908186979285714

00:19:01.820 --> 00:19:04.670 Another approach that's been suggested is  
NOTE Confidence: 0.908186979285714

00:19:04.670 --> 00:19:08.190 first to test women gynecologically for  
NOTE Confidence: 0.908186979285714

00:19:08.190 --> 00:19:11.256 infection with certain subtypes of HPV,  
NOTE Confidence: 0.908186979285714

00:19:11.260 --> 00:19:13.720 the 16 and 18 subtypes.  
NOTE Confidence: 0.908186979285714

00:19:13.720 --> 00:19:15.750 We're kind of used to these subtypes  
NOTE Confidence: 0.908186979285714

00:19:15.750 --> 00:19:17.708 of viruses now that we know about  
NOTE Confidence: 0.908186979285714

00:19:17.710 --> 00:19:22.350 COVID-19 subtypes and if women have that  
NOTE Confidence: 0.908186979285714

00:19:22.350 --> 00:19:25.626 viral infection then they can go  
NOTE Confidence: 0.908186979285714

00:19:25.626 --> 00:19:29.465 on to these further steps such as VIA  
NOTE Confidence: 0.908186979285714

00:19:29.465 --> 00:19:32.977 and that way it eliminates this  
NOTE Confidence: 0.908186979285714

00:19:32.977 --> 00:19:35.112 more invasive procedure and seems  
NOTE Confidence: 0.908186979285714

00:19:35.112 --> 00:19:37.609 to be more acceptable for women.  
NOTE Confidence: 0.908186979285714

00:19:37.610 --> 00:19:38.987 So in Nepal,  
NOTE Confidence: 0.908186979285714

00:19:38.987 --> 00:19:41.741 what we're doing right now is  
NOTE Confidence: 0.908186979285714

00:19:41.741 --> 00:19:44.170 looking at the acceptability,  
NOTE Confidence: 0.908186979285714

00:19:44.170 --> 00:19:46.150 appropriateness and feasibility



NOTE Confidence: 0.908186979285714  
00:19:46.150 --> 00:19:50.214 of an HPV approach to screening  
NOTE Confidence: 0.908186979285714  
00:19:50.214 --> 00:19:52.657 versus the straight VIA  
NOTE Confidence: 0.908186979285714  
00:19:52.657 --> 00:19:54.892 for everybody and we don't  
NOTE Confidence: 0.908186979285714  
00:19:54.892 --> 00:19:56.680 have our results yet,  
NOTE Confidence: 0.908186979285714  
00:19:56.680 --> 00:19:58.696 but things are going very well and  
NOTE Confidence: 0.908186979285714  
00:19:58.696 --> 00:20:00.920 we'll soon see what our findings are.  
NOTE Confidence: 0.908186979285714  
00:20:00.920 --> 00:20:03.557 And then from there we might go on and  
NOTE Confidence: 0.908186979285714  
00:20:03.557 --> 00:20:05.582 develop an intervention using one or  
NOTE Confidence: 0.908186979285714  
00:20:05.582 --> 00:20:08.519 the others of these and addressing further,  
NOTE Confidence: 0.908186979285714  
00:20:08.520 --> 00:20:11.365 it may be a more systems level which  
NOTE Confidence: 0.908186979285714  
00:20:11.365 --> 00:20:13.915 might be more acceptable and sustainable.  
NOTE Confidence: 0.908186979285714  
00:20:13.920 --> 00:20:15.084 At the same time,  
NOTE Confidence: 0.908186979285714  
00:20:15.084 --> 00:20:16.539 we're also looking at stigma.  
NOTE Confidence: 0.908186979285714  
00:20:16.540 --> 00:20:20.380 So we've interviewed women and providers  
NOTE Confidence: 0.908186979285714  
00:20:20.380 --> 00:20:23.710 about their feelings about cancer.  
NOTE Confidence: 0.908186979285714

00:20:23.710 --> 00:20:26.883 And the extent to which they have  
NOTE Confidence: 0.908186979285714

00:20:26.883 --> 00:20:29.348 fear associated with it,  
NOTE Confidence: 0.908186979285714

00:20:29.350 --> 00:20:31.674 how they may or may not stigmatize  
NOTE Confidence: 0.908186979285714

00:20:31.674 --> 00:20:33.650 other people who might have it,  
NOTE Confidence: 0.908186979285714

00:20:33.650 --> 00:20:35.882 how they feel their life  
NOTE Confidence: 0.908186979285714

00:20:35.882 --> 00:20:38.009 might change should they have it.  
NOTE Confidence: 0.908186979285714

00:20:38.010 --> 00:20:41.244 And we've found fairly high levels of  
NOTE Confidence: 0.908186979285714

00:20:41.244 --> 00:20:45.790 stigma both among providers and and women.  
NOTE Confidence: 0.908186979285714

00:20:45.790 --> 00:20:50.030 So what what we're now thinking about is  
NOTE Confidence: 0.908186979285714

00:20:50.030 --> 00:20:53.376 addressing stigma and its impact on health.  
NOTE Confidence: 0.908186979285714

00:20:53.380 --> 00:20:55.448 This is quite advanced  
NOTE Confidence: 0.908186979285714

00:20:55.448 --> 00:20:58.033 among the HIV AIDS world,  
NOTE Confidence: 0.908186979285714

00:20:58.040 --> 00:20:59.700 where it's a major issue,  
NOTE Confidence: 0.908186979285714

00:20:59.700 --> 00:21:03.696 but it's just really addressing cancer  
NOTE Confidence: 0.908186979285714

00:21:03.696 --> 00:21:07.148 stigma and its impact on preventing  
NOTE Confidence: 0.908186979285714

00:21:07.148 --> 00:21:09.388 screening and treatment among people

NOTE Confidence: 0.908186979285714  
00:21:09.388 --> 00:21:12.737 who are at risk for cancer or have  
NOTE Confidence: 0.908186979285714  
00:21:12.737 --> 00:21:14.957 cancer is a relatively new field.  
NOTE Confidence: 0.908186979285714  
00:21:14.960 --> 00:21:17.158 And so what we're working on as  
NOTE Confidence: 0.908186979285714  
00:21:17.158 --> 00:21:19.874 well as others is how to adapt  
NOTE Confidence: 0.908186979285714  
00:21:19.874 --> 00:21:21.994 what are called stigma reduction  
NOTE Confidence: 0.908186979285714  
00:21:21.994 --> 00:21:23.859 interventions that have been used  
NOTE Confidence: 0.908186979285714  
00:21:23.860 --> 00:21:26.820 successfully among people living with  
NOTE Confidence: 0.908186979285714  
00:21:26.820 --> 00:21:30.801 HIV and providers working with them to  
NOTE Confidence: 0.908186979285714  
00:21:30.801 --> 00:21:33.603 women who may have cervical cancer.  
NOTE Confidence: 0.908186979285714  
00:21:33.610 --> 00:21:35.563 So that's where we are in Nepal  
NOTE Confidence: 0.908186979285714  
00:21:35.563 --> 00:21:36.880 and actually in Mexico,  
NOTE Confidence: 0.908186979285714  
00:21:36.880 --> 00:21:38.746 we're in a very similar place,  
NOTE Confidence: 0.908186979285714  
00:21:38.750 --> 00:21:40.802 doing very similar things.  
NOTE Confidence: 0.908186979285714  
00:21:40.802 --> 00:21:43.367 And even though cervical cancer,  
NOTE Confidence: 0.908186979285714  
00:21:43.370 --> 00:21:46.529 as I mentioned, is rare in the United States,  
NOTE Confidence: 0.908186979285714

00:21:46.530 --> 00:21:48.605 we still have health disparities  
NOTE Confidence: 0.908186979285714

00:21:48.605 --> 00:21:49.850 based on race,  
NOTE Confidence: 0.966149748571429

00:21:49.850 --> 00:21:52.210 ethnicity, and socioeconomic status.  
NOTE Confidence: 0.966149748571429

00:21:52.210 --> 00:21:53.980 So for example,  
NOTE Confidence: 0.966149748571429

00:21:53.980 --> 00:21:55.680 here in the United States,  
NOTE Confidence: 0.966149748571429

00:21:55.680 --> 00:21:57.260 including here in New Haven,  
NOTE Confidence: 0.966149748571429

00:21:57.260 --> 00:21:59.540 Black and Hispanic women have around  
NOTE Confidence: 0.966149748571429

00:21:59.540 --> 00:22:02.320 a 30 to 40% higher incidence of  
NOTE Confidence: 0.966149748571429

00:22:02.320 --> 00:22:05.140 cervical cancer than do white and non  
NOTE Confidence: 0.966149748571429

00:22:05.140 --> 00:22:07.688 Hispanic women and black women have the  
NOTE Confidence: 0.966149748571429

00:22:07.688 --> 00:22:10.120 highest age adjusted mortality rates,  
NOTE Confidence: 0.966149748571429

00:22:10.120 --> 00:22:12.540 still much lower than those that  
NOTE Confidence: 0.966149748571429

00:22:12.540 --> 00:22:14.213 we see in Nepal, Mexico,  
NOTE Confidence: 0.966149748571429

00:22:14.213 --> 00:22:15.632 India and elsewhere,  
NOTE Confidence: 0.966149748571429

00:22:15.632 --> 00:22:18.470 but still unacceptably high given the  
NOTE Confidence: 0.966149748571429

00:22:18.470 --> 00:22:21.475 disparity we have within our own country.

NOTE Confidence: 0.843118263571428

00:22:21.520 --> 00:22:23.620 It's so interesting that you

NOTE Confidence: 0.843118263571428

00:22:23.620 --> 00:22:25.557 mentioned the work here in New Haven.

NOTE Confidence: 0.843118263571428

00:22:25.560 --> 00:22:27.908 But I wonder,

NOTE Confidence: 0.843118263571428

00:22:27.908 --> 00:22:30.860 it would seem to me that many of

NOTE Confidence: 0.843118263571428

00:22:30.949 --> 00:22:33.857 the factors that go into why people

NOTE Confidence: 0.843118263571428

00:22:33.857 --> 00:22:36.092 are suffering with cervical cancer

NOTE Confidence: 0.843118263571428

00:22:36.092 --> 00:22:39.051 in New Haven versus in other parts

NOTE Confidence: 0.843118263571428

00:22:39.051 --> 00:22:41.247 of the world may be different.

NOTE Confidence: 0.843118263571428

00:22:41.250 --> 00:22:42.432 So for example,

NOTE Confidence: 0.843118263571428

00:22:42.432 --> 00:22:45.190 we know that the HPV vaccines are

NOTE Confidence: 0.843118263571428

00:22:45.276 --> 00:22:47.640 widely available here in the US

NOTE Confidence: 0.843118263571428

00:22:47.640 --> 00:22:50.250 whereas in low to middle income

NOTE Confidence: 0.843118263571428

00:22:50.250 --> 00:22:53.568 countries they may not be as available.

NOTE Confidence: 0.843118263571428

00:22:53.570 --> 00:22:55.750 So have you looked into

NOTE Confidence: 0.843118263571428

00:22:55.750 --> 00:22:57.120 these various factors that may

NOTE Confidence: 0.843118263571428

00:22:57.120 --> 00:22:59.144 be playing in and can you tell  
NOTE Confidence: 0.843118263571428

00:22:59.144 --> 00:23:00.649 us about how they're different.  
NOTE Confidence: 0.896786046666667

00:23:00.660 --> 00:23:04.860 So the HPV vaccine is targeted to  
NOTE Confidence: 0.896786046666667

00:23:04.860 --> 00:23:07.440 younger women, even teenage girls,  
NOTE Confidence: 0.896786046666667

00:23:07.440 --> 00:23:11.149 12 and 13 year old girls up to  
NOTE Confidence: 0.896786046666667

00:23:11.149 --> 00:23:14.803 women who are previously have not  
NOTE Confidence: 0.896786046666667

00:23:14.803 --> 00:23:17.600 initiated sexual relations with men.  
NOTE Confidence: 0.896786046666667

00:23:17.600 --> 00:23:22.556 And what we've seen is maybe 20 or  
NOTE Confidence: 0.896786046666667

00:23:22.556 --> 00:23:26.207 30 years later when cervical cancer develops,  
NOTE Confidence: 0.896786046666667

00:23:26.210 --> 00:23:30.207 the rates are much lower among girls who  
NOTE Confidence: 0.896786046666667

00:23:30.207 --> 00:23:33.266 have been vaccinated at that early time.  
NOTE Confidence: 0.896786046666667

00:23:33.270 --> 00:23:37.099 So vaccinating girls is very important for  
NOTE Confidence: 0.896786046666667

00:23:37.099 --> 00:23:39.930 preventing cervical cancer in the future.  
NOTE Confidence: 0.896786046666667

00:23:39.930 --> 00:23:42.058 But in terms of those of us women  
NOTE Confidence: 0.896786046666667

00:23:42.058 --> 00:23:44.130 who are around now  
NOTE Confidence: 0.896786046666667

00:23:44.130 --> 00:23:46.790 30 plus, the vaccine is not likely,

NOTE Confidence: 0.896786046666667  
00:23:46.790 --> 00:23:48.030 is not believed to help us.  
00:23:50.770 --> 00:23:52.630 And these other sorts of screenings,  
NOTE Confidence: 0.896786046666667  
00:23:52.630 --> 00:23:56.308 PAP, the VIA, HPV followed by  
NOTE Confidence: 0.896786046666667  
00:23:56.310 --> 00:24:00.190 AIA etc are the approaches that are needed  
NOTE Confidence: 0.896786046666667  
00:24:00.190 --> 00:24:03.565 to prevent cervical cancer among 30-60  
NOTE Confidence: 0.896786046666667  
00:24:03.565 --> 00:24:06.260 year old women who are alive today.  
NOTE Confidence: 0.896786046666667  
00:24:06.260 --> 00:24:09.200 So there are these two different  
NOTE Confidence: 0.896786046666667  
00:24:09.200 --> 00:24:12.636 strategies based on age and then in  
NOTE Confidence: 0.896786046666667  
00:24:12.636 --> 00:24:16.080 terms of differences by culture.  
NOTE Confidence: 0.896786046666667  
00:24:16.080 --> 00:24:19.070 It seems to me that  
NOTE Confidence: 0.896786046666667  
00:24:19.070 --> 00:24:22.834 Pap smear has been made widely  
NOTE Confidence: 0.896786046666667  
00:24:22.834 --> 00:24:24.769 available in the United States,  
NOTE Confidence: 0.896786046666667  
00:24:24.770 --> 00:24:27.910 such that cervical cancer is  
NOTE Confidence: 0.896786046666667  
00:24:28.684 --> 00:24:31.780 a very rare disease here in the United  
NOTE Confidence: 0.896786046666667  
00:24:31.869 --> 00:24:34.935 States with the disparity and  
NOTE Confidence: 0.859216045384615  
00:24:36.950 --> 00:24:38.945 what are the causes of the

NOTE Confidence: 0.859216045384615  
00:24:38.945 --> 00:24:40.929 disparity here in the United States?  
NOTE Confidence: 0.859216045384615  
00:24:40.930 --> 00:24:44.301 Might probably have similarities with  
NOTE Confidence: 0.859216045384615  
00:24:44.301 --> 00:24:46.287 what's happening in Mexico and Nepal,  
NOTE Confidence: 0.859216045384615  
00:24:46.290 --> 00:24:47.656 for example, stigma.  
NOTE Confidence: 0.859216045384615  
00:24:47.656 --> 00:24:49.912 And there might be cultures where  
NOTE Confidence: 0.859216045384615  
00:24:49.912 --> 00:24:52.274 stigma is within the United States  
NOTE Confidence: 0.859216045384615  
00:24:52.274 --> 00:24:54.219 is more important than others.  
NOTE Confidence: 0.859216045384615  
00:24:54.220 --> 00:24:56.908 We have a PhD student here in the  
NOTE Confidence: 0.859216045384615  
00:24:56.908 --> 00:24:58.532 chronic Disease Epidemiology Department  
NOTE Confidence: 0.859216045384615  
00:24:58.532 --> 00:25:01.605 who's working with me  
NOTE Confidence: 0.859216045384615  
00:25:01.605 --> 00:25:04.165 on investigating the extent to  
NOTE Confidence: 0.859216045384615  
00:25:04.165 --> 00:25:07.060 which cancer stigma is operating  
NOTE Confidence: 0.859216045384615  
00:25:07.060 --> 00:25:09.510 among women in New Haven and  
NOTE Confidence: 0.859216045384615  
00:25:09.510 --> 00:25:12.020 providers in the Cornell Scott clinics  
NOTE Confidence: 0.85685111375  
00:25:12.370 --> 00:25:14.274 who are treating them, and we'll have more  
NOTE Confidence: 0.942234191818182



00:25:14.290 --> 00:25:15.840 information about that in the  
NOTE Confidence: 0.942234191818182

00:25:15.840 --> 00:25:17.770 next six months to a year,  
NOTE Confidence: 0.942234191818182

00:25:17.770 --> 00:25:20.930 there can also be  
NOTE Confidence: 0.942234191818182

00:25:20.930 --> 00:25:23.350 issues with provider training,  
NOTE Confidence: 0.942234191818182

00:25:23.350 --> 00:25:27.450 provider overload, burnout.  
NOTE Confidence: 0.942234191818182

00:25:27.450 --> 00:25:30.110 And there can be issues,  
NOTE Confidence: 0.942234191818182

00:25:30.110 --> 00:25:31.606 similarly to other countries,  
NOTE Confidence: 0.942234191818182

00:25:31.606 --> 00:25:34.310 with not having the time to go in,  
NOTE Confidence: 0.942234191818182

00:25:34.310 --> 00:25:36.602 not being able to get off work,  
NOTE Confidence: 0.942234191818182

00:25:36.602 --> 00:25:38.786 not having the money to be able  
NOTE Confidence: 0.942234191818182

00:25:38.786 --> 00:25:41.166 to get to the clinic and so on.  
NOTE Confidence: 0.942234191818182

00:25:41.166 --> 00:25:43.577 And so all of these things need to be  
NOTE Confidence: 0.942234191818182

00:25:43.577 --> 00:25:45.600 looked at and we'll see how different  
NOTE Confidence: 0.942234191818182

00:25:45.600 --> 00:25:48.074 they are from one place to another.  
NOTE Confidence: 0.942234191818182

00:25:48.074 --> 00:25:49.490 My personal bias,  
NOTE Confidence: 0.942234191818182

00:25:49.490 --> 00:25:52.101 having done quite a bit of public

NOTE Confidence: 0.942234191818182  
00:25:52.101 --> 00:25:54.356 health research both in the United  
NOTE Confidence: 0.942234191818182  
00:25:54.356 --> 00:25:56.126 States as well as overseas,  
NOTE Confidence: 0.942234191818182  
00:25:56.130 --> 00:25:58.090 is that people are pretty similar  
NOTE Confidence: 0.942234191818182  
00:25:58.090 --> 00:25:59.695 everywhere and on the issues  
NOTE Confidence: 0.942234191818182  
00:25:59.695 --> 00:26:01.860 that come up are pretty similar.  
00:26:02.328 --> 00:26:05.136 Of course there's exceptions and we  
NOTE Confidence: 0.942234191818182  
00:26:05.136 --> 00:26:08.217 always have to be mindful of those  
NOTE Confidence: 0.942234191818182  
00:26:08.217 --> 00:26:10.217 and to adapt our interventions  
NOTE Confidence: 0.942234191818182  
00:26:10.217 --> 00:26:13.007 to optimally reach the people we are trying to.  
00:26:17.730 --> 00:26:19.676 Yeah, I mean, I think some of  
NOTE Confidence: 0.905402032  
00:26:19.676 --> 00:26:21.472 the issues that you mentioned  
NOTE Confidence: 0.905402032  
00:26:21.472 --> 00:26:23.536 are pretty ubiquitous, right?  
NOTE Confidence: 0.905402032  
00:26:23.536 --> 00:26:27.166 Lack of time, physician overload,  
NOTE Confidence: 0.905402032  
00:26:27.170 --> 00:26:32.630 burnout, you know, etcetera, etcetera.  
NOTE Confidence: 0.905402032  
00:26:32.630 --> 00:26:35.030 To address these issues, however,  
NOTE Confidence: 0.905402032  
00:26:35.030 --> 00:26:39.486 it seems like there would need to be  
NOTE Confidence: 0.905402032

00:26:39.486 --> 00:26:43.040 larger societal policy changes that are

NOTE Confidence: 0.905402032

00:26:43.040 --> 00:26:45.530 made that really address these issues.

NOTE Confidence: 0.905402032

00:26:45.530 --> 00:26:49.238 Can you talk a little bit about

NOTE Confidence: 0.905402032

00:26:49.238 --> 00:26:51.750 where we are in terms of work that's

NOTE Confidence: 0.905402032

00:26:51.822 --> 00:26:54.349 moving the issue on the policy level?

NOTE Confidence: 0.7998643

00:26:55.610 --> 00:27:00.224 Well globally I think that

NOTE Confidence: 0.901680226923077

00:27:00.230 --> 00:27:02.718 the main effort that I know about is

NOTE Confidence: 0.901680226923077

00:27:02.718 --> 00:27:05.149 that the World Health Organization

NOTE Confidence: 0.901680226923077

00:27:05.150 --> 00:27:09.790 initiated a zero Cervical Cancer campaign.

NOTE Confidence: 0.901680226923077

00:27:09.790 --> 00:27:11.490 I don't remember the year,

NOTE Confidence: 0.901680226923077

00:27:11.490 --> 00:27:13.290 the target goal of the year.

NOTE Confidence: 0.901680226923077

00:27:13.290 --> 00:27:15.530 And oftentimes when they

NOTE Confidence: 0.901680226923077

00:27:15.530 --> 00:27:19.350 have say zero polio or zero TB

NOTE Confidence: 0.901680226923077

00:27:19.350 --> 00:27:22.200 it does stimulate governments to

NOTE Confidence: 0.901680226923077

00:27:22.200 --> 00:27:25.650 put more effort and money into

NOTE Confidence: 0.901680226923077

00:27:25.650 --> 00:27:27.219 implementing their national

NOTE Confidence: 0.901680226923077  
00:27:27.219 --> 00:27:29.834 policies because like I said,  
NOTE Confidence: 0.901680226923077  
00:27:29.840 --> 00:27:32.162 in every country that I've ever  
NOTE Confidence: 0.901680226923077  
00:27:32.162 --> 00:27:34.840 worked in on any health issue,  
NOTE Confidence: 0.901680226923077  
00:27:34.840 --> 00:27:36.655 the policies that we would  
NOTE Confidence: 0.901680226923077  
00:27:36.655 --> 00:27:39.359 like to see are in the books.  
NOTE Confidence: 0.901680226923077  
00:27:39.360 --> 00:27:43.343 So the question is more the political  
NOTE Confidence: 0.901680226923077  
00:27:43.343 --> 00:27:46.740 will to increase implementation.  
NOTE Confidence: 0.901680226923077  
00:27:46.740 --> 00:27:47.910 And you know,  
NOTE Confidence: 0.901680226923077  
00:27:47.910 --> 00:27:49.860 unfortunately in many countries it's  
NOTE Confidence: 0.901680226923077  
00:27:49.860 --> 00:27:52.736 sort of a 0 sum situation and that if  
NOTE Confidence: 0.901680226923077  
00:27:52.736 --> 00:27:55.360 more money is put into cervical cancer,  
NOTE Confidence: 0.901680226923077  
00:27:55.360 --> 00:27:56.200 less money  
NOTE Confidence: 0.901680226923077  
00:27:56.200 --> 00:27:57.880 was put into HIV.  
NOTE Confidence: 0.901680226923077  
00:27:57.880 --> 00:27:59.047 And you know,  
NOTE Confidence: 0.901680226923077  
00:27:59.047 --> 00:28:01.381 that's not always true but it's  
NOTE Confidence: 0.901680226923077

00:28:01.381 --> 00:28:03.642 often true unless new donor money  
NOTE Confidence: 0.901680226923077

00:28:03.642 --> 00:28:06.586 can be raised for a specific health  
NOTE Confidence: 0.901680226923077

00:28:06.586 --> 00:28:09.256 issue and sometimes that happens.  
00:28:11.260 --> 00:28:13.213 So I guess what we're trying to  
NOTE Confidence: 0.901680226923077

00:28:13.213 --> 00:28:15.739 do is maybe go a little bit from  
NOTE Confidence: 0.901680226923077

00:28:15.739 --> 00:28:17.782 the bottom up and demonstrate that  
NOTE Confidence: 0.901680226923077

00:28:17.782 --> 00:28:19.882 these issues can if there's the  
NOTE Confidence: 0.901680226923077

00:28:19.882 --> 00:28:23.148 political will to implement its scale,  
NOTE Confidence: 0.901680226923077

00:28:23.148 --> 00:28:26.760 we have effective and  
NOTE Confidence: 0.901680226923077

00:28:26.760 --> 00:28:28.365 cost effective implementation  
NOTE Confidence: 0.901680226923077

00:28:28.365 --> 00:28:31.389 strategies that can address the issue.  
00:28:33.070 --> 00:28:35.215 Doctor Donna Spiegelman is Susan  
NOTE Confidence: 0.870965249375

00:28:35.215 --> 00:28:37.360 Dwight Bliss professor of Biostatistics  
NOTE Confidence: 0.870965249375

00:28:37.422 --> 00:28:39.270 at the Yale School of Medicine.  
NOTE Confidence: 0.870965249375

00:28:39.270 --> 00:28:41.314 If you have questions,  
NOTE Confidence: 0.870965249375

00:28:41.314 --> 00:28:43.309 the address is canceranswers@yale.edu  
NOTE Confidence: 0.870965249375

00:28:43.309 --> 00:28:46.063 and past editions of the program

NOTE Confidence: 0.870965249375

00:28:46.063 --> 00:28:48.470 are available in audio and written

NOTE Confidence: 0.870965249375

00:28:48.470 --> 00:28:49.416 form at [yalecancercenter.org](http://yalecancercenter.org).

NOTE Confidence: 0.870965249375

00:28:49.416 --> 00:28:51.558 We hope you'll join us next week

NOTE Confidence: 0.870965249375

00:28:51.558 --> 00:28:53.424 to learn more about the fight

NOTE Confidence: 0.870965249375

00:28:53.424 --> 00:28:54.929 against cancer here on Connecticut

NOTE Confidence: 0.870965249375

00:28:54.929 --> 00:28:56.398 Public radio. Funding for Yale

NOTE Confidence: 0.870965249375

00:28:56.400 --> 00:28:58.200 Cancer Answers is provided

NOTE Confidence: 0.870965249375

00:28:58.200 --> 00:29:00.000 by Smilow Cancer Hospital.