

WEBVTT

NOTE duration: "00:51:40.970"

NOTE Confidence: 0.8664492

00:00:00.000 --> 00:00:01.439 I'm very pleased to introduce

NOTE Confidence: 0.8664492

00:00:01.439 --> 00:00:03.360 our speaker, Doctor. Li Jing

NOTE Confidence: 0.8664492

00:00:03.360 --> 00:00:05.220 Yang, who is a PhD,

NOTE Confidence: 0.8664492

00:00:05.279 --> 00:00:07.200 Miles per hour, professor of

NOTE Confidence: 0.8664492

00:00:07.200 --> 00:00:08.480 global health and head of

NOTE Confidence: 0.8664492

00:00:08.480 --> 00:00:10.820 the non communicable chronic disease

NOTE Confidence: 0.8664492

00:00:10.880 --> 00:00:11.380 research

NOTE Confidence: 0.9789416

00:00:11.759 --> 00:00:13.360 at the Global Health Research

NOTE Confidence: 0.9789416

00:00:13.360 --> 00:00:13.860 Center

NOTE Confidence: 0.9401553

00:00:14.215 --> 00:00:15.755 and director of the implementation

NOTE Confidence: 0.9696546

00:00:16.055 --> 00:00:18.235 science research on noncommunicable

NOTE Confidence: 0.9933868

00:00:18.855 --> 00:00:19.355 diseases

NOTE Confidence: 0.9959059

00:00:19.655 --> 00:00:20.715 management laboratory

NOTE Confidence: 0.8841894

00:00:21.255 --> 00:00:23.415 called Iron Man Lab at

NOTE Confidence: 0.8841894

00:00:23.415 --> 00:00:24.954 Duke Kunshan University.
NOTE Confidence: 0.9913454

00:00:25.494 --> 00:00:26.454 And maybe you can tell
NOTE Confidence: 0.9913454

00:00:26.454 --> 00:00:27.335 us a little bit about
NOTE Confidence: 0.9913454

00:00:27.335 --> 00:00:29.675 what Duke Kunshan University is
NOTE Confidence: 0.9472534

00:00:30.110 --> 00:00:30.770 as well.
NOTE Confidence: 0.94033253

00:00:31.230 --> 00:00:32.430 Li Jing is currently an
NOTE Confidence: 0.94033253

00:00:32.430 --> 00:00:34.930 adjunct professor at Beijing University
NOTE Confidence: 0.89910865

00:00:35.390 --> 00:00:36.909 Institute for Global Health and
NOTE Confidence: 0.89910865

00:00:36.909 --> 00:00:37.409 Development.
NOTE Confidence: 0.9450532

00:00:38.430 --> 00:00:39.630 The School of Public Health
NOTE Confidence: 0.9450532

00:00:39.630 --> 00:00:40.930 is Wuhan University,
NOTE Confidence: 0.97598505

00:00:41.790 --> 00:00:43.790 Duke Global Health Institute, Duke
NOTE Confidence: 0.97598505

00:00:43.790 --> 00:00:45.495 University in the United States,
NOTE Confidence: 0.9566971

00:00:45.975 --> 00:00:47.434 and the Department of Preventive
NOTE Confidence: 0.9566971

00:00:47.495 --> 00:00:49.495 Medicine at the Feinberg School
NOTE Confidence: 0.9566971

00:00:49.495 --> 00:00:51.835 of Medicine at Northwestern University

NOTE Confidence: 0.96039027
00:00:52.375 --> 00:00:53.114 in Chicago.
NOTE Confidence: 0.9986595
00:00:53.815 --> 00:00:55.195 Quite a lot of affiliations.
NOTE Confidence: 0.94036746
00:00:56.695 --> 00:00:58.135 Previously, she was the director
NOTE Confidence: 0.94036746
00:00:58.135 --> 00:00:59.495 of graduate studies for the
NOTE Confidence: 0.94036746
00:00:59.495 --> 00:01:01.090 master of science in the
NOTE Confidence: 0.94036746
00:01:01.090 --> 00:01:02.690 global health program at Duke
NOTE Confidence: 0.94036746
00:01:02.690 --> 00:01:03.750 Kunshan University,
NOTE Confidence: 0.9602711
00:01:04.369 --> 00:01:05.890 the deputy director of the
NOTE Confidence: 0.9602711
00:01:05.890 --> 00:01:07.650 George Institute for Global Health
NOTE Confidence: 0.9602711
00:01:07.650 --> 00:01:08.950 at Beijing University
NOTE Confidence: 0.9371309
00:01:09.409 --> 00:01:10.630 Health Science Center
NOTE Confidence: 0.903355
00:01:10.930 --> 00:01:12.369 and director of the China
NOTE Confidence: 0.903355
00:01:12.369 --> 00:01:14.549 International Center for chronic disease
NOTE Confidence: 0.99313825
00:01:14.885 --> 00:01:16.805 Prevention, a large network of
NOTE Confidence: 0.99313825
00:01:16.805 --> 00:01:17.705 five international
NOTE Confidence: 0.9998249

00:01:18.165 --> 00:01:19.225 academic institutions
NOTE Confidence: 0.9753521

00:01:19.925 --> 00:01:21.785 and seven Chinese institutions
NOTE Confidence: 0.97176266

00:01:22.565 --> 00:01:24.725 dedicated to combat NCDs in
NOTE Confidence: 0.97176266

00:01:24.725 --> 00:01:25.225 China.
NOTE Confidence: 0.99457806

00:01:25.925 --> 00:01:27.385 She is the former secretary
NOTE Confidence: 0.99457806

00:01:27.525 --> 00:01:28.825 general of the China
NOTE Confidence: 0.9811387

00:01:29.130 --> 00:01:31.290 Consortium of Universities for Global
NOTE Confidence: 0.9811387

00:01:31.290 --> 00:01:33.310 Health and the current standing
NOTE Confidence: 0.9811387

00:01:33.370 --> 00:01:34.729 council member of the Global
NOTE Confidence: 0.9811387

00:01:34.729 --> 00:01:35.550 Health Society
NOTE Confidence: 0.9787514

00:01:35.930 --> 00:01:37.610 and the NCD Prevention and
NOTE Confidence: 0.9787514

00:01:37.610 --> 00:01:39.690 Control Society of the Chinese
NOTE Confidence: 0.9787514

00:01:39.690 --> 00:01:40.190 Preventive
NOTE Confidence: 0.97786

00:01:40.810 --> 00:01:41.790 Medicine Association.
NOTE Confidence: 0.9941308

00:01:42.475 --> 00:01:43.755 She has a bachelor's degree
NOTE Confidence: 0.9941308

00:01:43.755 --> 00:01:44.495 in sociology

NOTE Confidence: 0.99557096
00:01:44.875 --> 00:01:46.334 from Beijing University,
NOTE Confidence: 0.9068249
00:01:46.795 --> 00:01:48.075 a master of public health
NOTE Confidence: 0.9068249
00:01:48.075 --> 00:01:48.815 and epidemiology,
NOTE Confidence: 0.991272
00:01:49.115 --> 00:01:50.575 and a doctorate in demography
NOTE Confidence: 0.99608296
00:01:51.035 --> 00:01:52.815 from the University of California
NOTE Confidence: 0.99608296
00:01:52.955 --> 00:01:53.615 at Berkeley.
NOTE Confidence: 0.9912105
00:01:54.155 --> 00:01:55.775 Her main areas of research
NOTE Confidence: 0.9912105
00:01:55.835 --> 00:01:57.740 are primary care and community
NOTE Confidence: 0.9912105
00:01:57.740 --> 00:01:59.660 based chronic disease prevention and
NOTE Confidence: 0.9912105
00:01:59.660 --> 00:02:00.160 control,
NOTE Confidence: 0.99789435
00:02:00.540 --> 00:02:01.600 including hypertension,
NOTE Confidence: 0.9982923
00:02:02.060 --> 00:02:02.560 stroke,
NOTE Confidence: 0.95707846
00:02:03.100 --> 00:02:04.480 heart disease and diabetes,
NOTE Confidence: 0.98275554
00:02:04.940 --> 00:02:07.200 healthy aging, digital health innovations,
NOTE Confidence: 0.99912775
00:02:07.740 --> 00:02:08.480 and implementation
NOTE Confidence: 0.99868906

00:02:08.940 --> 00:02:09.440 science.
NOTE Confidence: 0.8715439

00:02:09.885 --> 00:02:11.425 She is the principal investigator,
NOTE Confidence: 0.8715439

00:02:11.485 --> 00:02:13.165 a co investigator of over
NOTE Confidence: 0.8715439

00:02:13.165 --> 00:02:15.425 twenty US NIH and UK
NOTE Confidence: 0.96363

00:02:15.885 --> 00:02:17.965 MRC funded and China funded
NOTE Confidence: 0.96363

00:02:17.965 --> 00:02:18.945 research grants
NOTE Confidence: 0.9210178

00:02:19.245 --> 00:02:21.165 totaling over ten million US
NOTE Confidence: 0.9210178

00:02:21.165 --> 00:02:21.665 dollars.
NOTE Confidence: 0.98770255

00:02:22.190 --> 00:02:23.389 She has published over two
NOTE Confidence: 0.98770255

00:02:23.389 --> 00:02:25.650 hundred peer reviewed scientific papers,
NOTE Confidence: 0.9253359

00:02:26.030 --> 00:02:27.710 some in leading medical journals,
NOTE Confidence: 0.9253359

00:02:27.710 --> 00:02:29.250 including JAMA, The Lancet,
NOTE Confidence: 0.8889394

00:02:29.630 --> 00:02:30.830 the New England Journal of
NOTE Confidence: 0.8889394

00:02:30.830 --> 00:02:32.750 Medicine, the British Medical Journal
NOTE Confidence: 0.8889394

00:02:32.750 --> 00:02:33.570 and circulation.
NOTE Confidence: 0.8759898

00:02:34.270 --> 00:02:36.270 Her Google Scholar age index

NOTE Confidence: 0.8759898
00:02:36.270 --> 00:02:37.570 is fifty nine and
NOTE Confidence: 0.95545334
00:02:38.565 --> 00:02:39.925 I ten index one hundred
NOTE Confidence: 0.95545334
00:02:39.925 --> 00:02:41.605 and twenty three with total
NOTE Confidence: 0.95545334
00:02:41.605 --> 00:02:43.785 citations over seventy five thousand
NOTE Confidence: 0.93223494
00:02:44.245 --> 00:02:45.925 as of June twenty twenty
NOTE Confidence: 0.93223494
00:02:45.925 --> 00:02:48.345 four. She advises national international
NOTE Confidence: 0.9598241
00:02:48.965 --> 00:02:51.285 organizations, including the China National
NOTE Confidence: 0.9598241
00:02:51.285 --> 00:02:52.105 Health Commission
NOTE Confidence: 0.99064064
00:02:52.500 --> 00:02:53.880 and World Health Organization.
NOTE Confidence: 0.9680137
00:02:54.260 --> 00:02:55.780 So we clearly have an
NOTE Confidence: 0.9680137
00:02:55.780 --> 00:02:57.000 extremely accomplished,
NOTE Confidence: 0.8902464
00:02:57.940 --> 00:03:00.120 public health researcher in NCDs
NOTE Confidence: 0.8486945
00:03:00.419 --> 00:03:01.560 and in implementation
NOTE Confidence: 0.955496
00:03:01.860 --> 00:03:03.480 science here with us today,
NOTE Confidence: 0.9975636
00:03:03.780 --> 00:03:05.080 probably the leader
NOTE Confidence: 0.9600574

00:03:05.540 --> 00:03:07.155 of this work in
NOTE Confidence: 0.9368182

00:03:07.635 --> 00:03:08.834 China. And so I'm very
NOTE Confidence: 0.9368182

00:03:08.834 --> 00:03:10.355 happy to have here and
NOTE Confidence: 0.9368182

00:03:10.355 --> 00:03:11.794 to turn this over to
NOTE Confidence: 0.9368182

00:03:11.794 --> 00:03:12.294 doctor.
NOTE Confidence: 0.7681187

00:03:14.675 --> 00:03:15.975 Yeah. We we need to
NOTE Confidence: 0.7681187

00:03:16.115 --> 00:03:17.075 make sure we have you
NOTE Confidence: 0.7681187

00:03:17.075 --> 00:03:18.535 set up properly now.
NOTE Confidence: 0.8861909

00:03:19.075 --> 00:03:20.055 We probably wanna
NOTE Confidence: 0.93163204

00:03:20.355 --> 00:03:21.815 maybe minimize this.
NOTE Confidence: 0.88151443

00:03:23.070 --> 00:03:24.350 Don't show this again. Oh,
NOTE Confidence: 0.88151443

00:03:24.350 --> 00:03:26.130 maybe yeah. Let's try that.
NOTE Confidence: 0.9264742

00:03:27.870 --> 00:03:29.070 Oh, maybe I know. Now
NOTE Confidence: 0.9264742

00:03:29.070 --> 00:03:30.350 we can minimize it over
NOTE Confidence: 0.9264742

00:03:30.350 --> 00:03:30.850 here,
NOTE Confidence: 0.9357033

00:03:31.310 --> 00:03:32.430 but the thing would go

NOTE Confidence: 0.9357033
00:03:32.430 --> 00:03:32.930 away.
NOTE Confidence: 0.86353755
00:03:36.305 --> 00:03:37.585 Because there's no mouse here.
NOTE Confidence: 0.86353755
00:03:37.585 --> 00:03:38.705 It's very I have don't
NOTE Confidence: 0.86353755
00:03:38.705 --> 00:03:40.225 like these keypads. Yeah. An
NOTE Confidence: 0.86353755
00:03:40.225 --> 00:03:41.445 attached pad. Mhmm.
NOTE Confidence: 0.47869956
00:03:41.985 --> 00:03:42.485 Say,
NOTE Confidence: 0.7247699
00:03:43.345 --> 00:03:44.945 yeah. I mean Or click
NOTE Confidence: 0.7247699
00:03:44.945 --> 00:03:47.045 on somewhere else. Oh, okay.
NOTE Confidence: 0.82454836
00:03:47.905 --> 00:03:48.405 Sorry.
NOTE Confidence: 0.886876
00:03:50.680 --> 00:03:51.640 Denise, you know what to
NOTE Confidence: 0.886876
00:03:51.640 --> 00:03:52.940 do? I'm good.
NOTE Confidence: 0.6284019
00:03:53.240 --> 00:03:54.640 That's the voice mail. It's
NOTE Confidence: 0.6284019
00:03:54.640 --> 00:03:55.580 not. It's okay.
NOTE Confidence: 0.8823279
00:03:58.440 --> 00:04:00.280 No. Pull pull that screen
NOTE Confidence: 0.8823279
00:04:00.280 --> 00:04:02.040 down, and that way, the
NOTE Confidence: 0.8823279

00:04:02.040 --> 00:04:03.420 thing will, like, go away.
NOTE Confidence: 0.9099662

00:04:04.685 --> 00:04:06.525 It. Maybe because I did
NOTE Confidence: 0.9099662

00:04:06.525 --> 00:04:07.885 the laser pointer thing. Yeah.
NOTE Confidence: 0.9099662

00:04:07.885 --> 00:04:08.685 But I just have to
NOTE Confidence: 0.9099662

00:04:08.685 --> 00:04:10.145 get to the bar here.
NOTE Confidence: 0.78285265

00:04:11.005 --> 00:04:12.205 Yeah. And then we're gonna
NOTE Confidence: 0.78285265

00:04:12.205 --> 00:04:13.485 go here. Now to the
NOTE Confidence: 0.78285265

00:04:13.485 --> 00:04:14.845 next one. The left. Next
NOTE Confidence: 0.78285265

00:04:14.845 --> 00:04:16.525 one. Now in Austin. Yeah.
NOTE Confidence: 0.78285265

00:04:16.525 --> 00:04:18.545 Click that. There you go.
NOTE Confidence: 0.78285265

00:04:18.685 --> 00:04:19.725 I think now you're in
NOTE Confidence: 0.78285265

00:04:19.725 --> 00:04:21.380 a good Okay. Well, thank
NOTE Confidence: 0.78285265

00:04:21.380 --> 00:04:22.420 you so much.
NOTE Confidence: 0.88424903

00:04:22.820 --> 00:04:24.339 Thank you, Donna for the
NOTE Confidence: 0.88424903

00:04:24.339 --> 00:04:24.839 invitation.
NOTE Confidence: 0.86625385

00:04:25.220 --> 00:04:26.500 Thank you, Ally and Denise,

NOTE Confidence: 0.86625385

00:04:26.500 --> 00:04:27.160 for helping.

NOTE Confidence: 0.9986901

00:04:28.020 --> 00:04:28.839 I I'm

NOTE Confidence: 0.9137304

00:04:29.140 --> 00:04:30.820 surprised that Donna read through

NOTE Confidence: 0.9137304

00:04:30.820 --> 00:04:32.955 the file. Yeah. Yeah. It's

NOTE Confidence: 0.9137304

00:04:32.955 --> 00:04:34.918 so No. It's so boring.

NOTE Confidence: 0.9144009

00:04:35.573 --> 00:04:37.210 I hope my talk will

NOTE Confidence: 0.9144009

00:04:37.210 --> 00:04:38.846 not be so boring. Mhmm.

NOTE Confidence: 0.9144009

00:04:39.173 --> 00:04:41.137 And, also, of course, I

NOTE Confidence: 0.9144009

00:04:41.137 --> 00:04:43.101 know Yale, and, I have,

NOTE Confidence: 0.9144009

00:04:43.428 --> 00:04:45.065 collaborated and know people in,

NOTE Confidence: 0.9144009

00:04:45.392 --> 00:04:47.400 including, you know, Donna, Professor

NOTE Confidence: 0.9144009

00:04:47.400 --> 00:04:48.920 Li and others. And one

NOTE Confidence: 0.9144009

00:04:48.920 --> 00:04:50.440 of my former students, and

NOTE Confidence: 0.9144009

00:04:50.440 --> 00:04:52.440 he's also here. So, so

NOTE Confidence: 0.9144009

00:04:52.440 --> 00:04:53.720 glad to see you all.

NOTE Confidence: 0.9144009

00:04:53.720 --> 00:04:54.680 But this is my very
NOTE Confidence: 0.9144009

00:04:54.680 --> 00:04:55.420 first time,
NOTE Confidence: 0.95952606

00:04:55.960 --> 00:04:57.320 in the university in the
NOTE Confidence: 0.95952606

00:04:57.320 --> 00:04:59.385 city. So, great to be
NOTE Confidence: 0.95952606

00:04:59.385 --> 00:05:00.585 here. And today, I will
NOTE Confidence: 0.95952606

00:05:00.585 --> 00:05:02.265 be very focused in talking
NOTE Confidence: 0.95952606

00:05:02.265 --> 00:05:02.765 about,
NOTE Confidence: 0.97687685

00:05:03.545 --> 00:05:05.464 this study, which is a,
NOTE Confidence: 0.9443339

00:05:06.425 --> 00:05:08.505 trial that, for people familiar
NOTE Confidence: 0.9443339

00:05:08.505 --> 00:05:10.425 with implementation science is the
NOTE Confidence: 0.9443339

00:05:10.425 --> 00:05:12.525 effectiveness implementation trial.
NOTE Confidence: 0.9967098

00:05:12.839 --> 00:05:13.339 So
NOTE Confidence: 0.7236591

00:05:13.960 --> 00:05:14.460 the,
NOTE Confidence: 0.89476615

00:05:16.520 --> 00:05:17.960 I think I should try
NOTE Confidence: 0.89476615

00:05:17.960 --> 00:05:19.180 to move this,
NOTE Confidence: 0.75496775

00:05:20.040 --> 00:05:20.540 below.

NOTE Confidence: 0.89422476
00:05:22.120 --> 00:05:23.160 That's kind of hard to
NOTE Confidence: 0.89422476
00:05:23.160 --> 00:05:24.279 do, but it's doesn't it?
NOTE Confidence: 0.89422476
00:05:24.279 --> 00:05:25.160 So yeah. You can put
NOTE Confidence: 0.89422476
00:05:25.160 --> 00:05:25.820 it down.
NOTE Confidence: 0.96233624
00:05:26.360 --> 00:05:28.205 Okay. Now it's working. Sort
NOTE Confidence: 0.96233624
00:05:28.205 --> 00:05:28.705 of.
NOTE Confidence: 0.6952622
00:05:29.565 --> 00:05:30.625 And my mortality
NOTE Confidence: 0.29529032
00:05:31.085 --> 00:05:31.904 view is.
NOTE Confidence: 0.7097479
00:05:33.565 --> 00:05:34.065 Okay.
NOTE Confidence: 0.9488647
00:05:34.925 --> 00:05:36.705 So today, I will introduce
NOTE Confidence: 0.9488647
00:05:36.765 --> 00:05:38.525 this study according to this
NOTE Confidence: 0.9488647
00:05:38.525 --> 00:05:39.025 paradigm,
NOTE Confidence: 0.87154233
00:05:39.485 --> 00:05:41.265 that is, called the titles.
NOTE Confidence: 0.9068968
00:05:42.100 --> 00:05:43.560 You can see what petals
NOTE Confidence: 0.9068968
00:05:43.620 --> 00:05:44.120 is.
NOTE Confidence: 0.9777647

00:05:44.500 --> 00:05:45.380 And then I will talk
NOTE Confidence: 0.9777647

00:05:45.380 --> 00:05:46.200 about revaluation,
NOTE Confidence: 0.98979473

00:05:46.820 --> 00:05:48.260 which is the s part
NOTE Confidence: 0.98979473

00:05:48.260 --> 00:05:49.700 of the petals. So let's
NOTE Confidence: 0.98979473

00:05:49.700 --> 00:05:51.400 take a look at petals.
NOTE Confidence: 0.82011527

00:05:54.740 --> 00:05:55.800 This works better.
NOTE Confidence: 0.90610576

00:05:57.154 --> 00:05:58.835 Okay. So this is for
NOTE Confidence: 0.90610576

00:05:59.075 --> 00:06:00.675 this is proposed by professor,
NOTE Confidence: 0.90610576

00:06:00.995 --> 00:06:01.975 Roman Xu,
NOTE Confidence: 0.83350474

00:06:02.355 --> 00:06:03.795 a leader in implementation science
NOTE Confidence: 0.83350474

00:06:03.795 --> 00:06:05.175 that Donna knows well,
NOTE Confidence: 0.95716

00:06:05.795 --> 00:06:07.714 that this is to this
NOTE Confidence: 0.95716

00:06:07.714 --> 00:06:09.015 is a model for implementation
NOTE Confidence: 0.95716

00:06:09.154 --> 00:06:10.355 research. You can see it
NOTE Confidence: 0.95716

00:06:10.355 --> 00:06:12.150 starts with the problem p.
NOTE Confidence: 0.95716

00:06:12.150 --> 00:06:13.510 So the real world problem

NOTE Confidence: 0.95716
00:06:13.510 --> 00:06:14.730 that we want to address.
NOTE Confidence: 0.95716
00:06:14.790 --> 00:06:15.990 And the EBP is the
NOTE Confidence: 0.95716
00:06:15.990 --> 00:06:18.230 evidence based practice that we
NOTE Confidence: 0.95716
00:06:18.230 --> 00:06:19.690 adopt in the study.
NOTE Confidence: 0.97066694
00:06:19.990 --> 00:06:20.810 And determinants
NOTE Confidence: 0.93907285
00:06:21.110 --> 00:06:21.610 actually,
NOTE Confidence: 0.9989257
00:06:22.230 --> 00:06:23.529 refers to facilitators
NOTE Confidence: 0.98254514
00:06:24.150 --> 00:06:25.370 and, barriers
NOTE Confidence: 0.9645865
00:06:25.750 --> 00:06:26.570 for implementation.
NOTE Confidence: 0.99227154
00:06:27.605 --> 00:06:29.605 And action is the term
NOTE Confidence: 0.99227154
00:06:29.605 --> 00:06:31.145 used, to show,
NOTE Confidence: 0.9979746
00:06:31.605 --> 00:06:32.585 to mean implementation
NOTE Confidence: 0.9621378
00:06:33.045 --> 00:06:34.725 strategies. That's the typical term
NOTE Confidence: 0.9621378
00:06:34.725 --> 00:06:37.145 in implementation research. And I
NOTE Confidence: 0.9621378
00:06:37.205 --> 00:06:39.145 is for long term sustainment
NOTE Confidence: 0.9618764

00:06:39.445 --> 00:06:40.425 of the implementation.
NOTE Confidence: 0.9724183

00:06:41.045 --> 00:06:43.065 And scale is for,
NOTE Confidence: 0.94987184

00:06:44.750 --> 00:06:46.589 evaluation and scaling up. So
NOTE Confidence: 0.94987184

00:06:46.589 --> 00:06:48.050 this is the PEDLS model.
NOTE Confidence: 0.92136467

00:06:48.510 --> 00:06:50.610 And, you can see PEDLS,
NOTE Confidence: 0.92136467

00:06:50.910 --> 00:06:52.589 the acronym is gray because
NOTE Confidence: 0.92136467

00:06:52.589 --> 00:06:53.710 it shows like it's like
NOTE Confidence: 0.92136467

00:06:53.710 --> 00:06:54.850 the bicycle pedaling.
NOTE Confidence: 0.939636

00:06:55.150 --> 00:06:56.850 And, there is this iterative
NOTE Confidence: 0.939636

00:06:56.990 --> 00:06:58.510 process and the circle is
NOTE Confidence: 0.939636

00:06:58.510 --> 00:07:00.245 showing that. And two other
NOTE Confidence: 0.939636

00:07:00.245 --> 00:07:01.764 things to point out is,
NOTE Confidence: 0.939636

00:07:01.764 --> 00:07:03.705 one, is the application of
NOTE Confidence: 0.939636

00:07:03.925 --> 00:07:05.944 various models and frameworks throughout,
NOTE Confidence: 0.9219818

00:07:06.645 --> 00:07:08.164 and then also the co
NOTE Confidence: 0.9219818

00:07:08.164 --> 00:07:08.664 production

NOTE Confidence: 0.98912185
00:07:08.964 --> 00:07:10.185 process with stakeholders,
NOTE Confidence: 0.99955595
00:07:11.125 --> 00:07:11.784 are important.
NOTE Confidence: 0.9744578
00:07:12.740 --> 00:07:14.660 So for our study, what
NOTE Confidence: 0.9744578
00:07:14.660 --> 00:07:16.660 is the problem that, we
NOTE Confidence: 0.9744578
00:07:16.660 --> 00:07:18.600 are interested in addressing?
NOTE Confidence: 0.9601797
00:07:19.140 --> 00:07:20.420 In a nutshell, it's,
NOTE Confidence: 0.9670418
00:07:21.140 --> 00:07:22.980 stroke prevention and control and
NOTE Confidence: 0.9670418
00:07:22.980 --> 00:07:25.155 particularly in rural China. So
NOTE Confidence: 0.9670418
00:07:25.155 --> 00:07:26.675 I would point your attention
NOTE Confidence: 0.9670418
00:07:26.675 --> 00:07:28.375 to these two figures.
NOTE Confidence: 0.96723574
00:07:29.074 --> 00:07:30.115 You can see this is
NOTE Confidence: 0.96723574
00:07:30.115 --> 00:07:32.775 over time from the, early,
NOTE Confidence: 0.90449566
00:07:34.275 --> 00:07:35.474 century for this one from
NOTE Confidence: 0.90449566
00:07:35.474 --> 00:07:37.155 nineteen ninety three to twenty
NOTE Confidence: 0.90449566
00:07:37.155 --> 00:07:37.655 seventeen.
NOTE Confidence: 0.97349507

00:07:38.410 --> 00:07:40.170 And, the blue one is
NOTE Confidence: 0.97349507

00:07:40.170 --> 00:07:41.870 urban. The red one
NOTE Confidence: 0.99194694

00:07:42.250 --> 00:07:43.930 is rural. So in terms
NOTE Confidence: 0.99194694

00:07:43.930 --> 00:07:45.770 of the prevalence of stroke,
NOTE Confidence: 0.99194694

00:07:45.770 --> 00:07:46.590 you can see,
NOTE Confidence: 0.9932793

00:07:47.490 --> 00:07:48.670 the big rise,
NOTE Confidence: 0.9532521

00:07:49.370 --> 00:07:51.285 in rural China in the
NOTE Confidence: 0.9532521

00:07:51.285 --> 00:07:53.045 prevalence of stroke to the
NOTE Confidence: 0.9532521

00:07:53.045 --> 00:07:54.105 point of surpassing,
NOTE Confidence: 0.90679604

00:07:55.285 --> 00:07:57.705 beyond twenty thirteen. It's passing
NOTE Confidence: 0.90679604

00:07:57.765 --> 00:07:59.285 on urban areas in terms
NOTE Confidence: 0.90679604

00:07:59.285 --> 00:08:00.185 of its burden.
NOTE Confidence: 0.99723405

00:08:00.565 --> 00:08:01.065 However,
NOTE Confidence: 0.98270017

00:08:01.365 --> 00:08:02.665 in terms of the mortality,
NOTE Confidence: 0.9144856

00:08:03.205 --> 00:08:04.985 it's being pretty much consistently
NOTE Confidence: 0.9983524

00:08:05.365 --> 00:08:05.865 higher

NOTE Confidence: 0.966045
00:08:06.180 --> 00:08:07.940 than urban areas. The blue
NOTE Confidence: 0.966045
00:08:07.940 --> 00:08:09.460 being rural and red being
NOTE Confidence: 0.966045
00:08:09.460 --> 00:08:11.460 urban. Green is overall in
NOTE Confidence: 0.966045
00:08:11.460 --> 00:08:12.900 the middle. So we have
NOTE Confidence: 0.966045
00:08:12.900 --> 00:08:14.740 very large burden and it's
NOTE Confidence: 0.966045
00:08:14.740 --> 00:08:15.240 the
NOTE Confidence: 0.95854884
00:08:15.620 --> 00:08:17.540 number one cause of death
NOTE Confidence: 0.95854884
00:08:17.540 --> 00:08:19.160 and disability in rural China.
NOTE Confidence: 0.9866833
00:08:19.585 --> 00:08:21.104 And to to address this
NOTE Confidence: 0.9866833
00:08:21.104 --> 00:08:22.465 burden, there are so many
NOTE Confidence: 0.9866833
00:08:22.465 --> 00:08:24.485 evidence based practices already.
NOTE Confidence: 0.94081324
00:08:25.264 --> 00:08:27.525 Lots of guidelines, clinical guidelines,
NOTE Confidence: 0.9607213
00:08:27.905 --> 00:08:29.345 even for, a for a
NOTE Confidence: 0.9607213
00:08:29.345 --> 00:08:31.125 stroke per se. And,
NOTE Confidence: 0.94643396
00:08:31.824 --> 00:08:33.184 right at the time when
NOTE Confidence: 0.94643396

00:08:33.184 --> 00:08:33.925 we started,
NOTE Confidence: 0.97357905

00:08:34.690 --> 00:08:35.970 work on this study, there
NOTE Confidence: 0.97357905

00:08:35.970 --> 00:08:36.709 is this,
NOTE Confidence: 0.9869162

00:08:39.410 --> 00:08:39.910 guideline
NOTE Confidence: 0.91336405

00:08:40.690 --> 00:08:41.190 produced,
NOTE Confidence: 0.9996456

00:08:41.570 --> 00:08:43.269 in China in Chinese
NOTE Confidence: 0.9825556

00:08:43.809 --> 00:08:45.829 for the primary care level
NOTE Confidence: 0.9825556

00:08:46.050 --> 00:08:47.589 stroke prevention and control.
NOTE Confidence: 0.9890485

00:08:47.934 --> 00:08:49.155 So it's a booklet,
NOTE Confidence: 0.95406896

00:08:49.775 --> 00:08:50.895 and it's being,
NOTE Confidence: 0.9371857

00:08:51.535 --> 00:08:53.535 edited by our collaborators in
NOTE Confidence: 0.9371857

00:08:53.535 --> 00:08:55.055 the tertiary hospital called Tian
NOTE Confidence: 0.9371857

00:08:55.055 --> 00:08:56.915 Tan Hospital, the leading neurology
NOTE Confidence: 0.9371857

00:08:57.055 --> 00:08:58.115 hospital in China.
NOTE Confidence: 0.9541596

00:08:58.495 --> 00:09:00.335 However, even for this, that
NOTE Confidence: 0.9541596

00:09:00.335 --> 00:09:02.670 is earmarked for primary care,

NOTE Confidence: 0.95689976
00:09:03.070 --> 00:09:04.529 it turned out to be,
NOTE Confidence: 0.94270825
00:09:05.309 --> 00:09:07.070 as my question there, it
NOTE Confidence: 0.94270825
00:09:07.149 --> 00:09:09.329 it's not so easily
NOTE Confidence: 0.9979121
00:09:10.029 --> 00:09:10.529 applicable
NOTE Confidence: 0.9962312
00:09:11.070 --> 00:09:12.990 to the reality of primary
NOTE Confidence: 0.9962312
00:09:12.990 --> 00:09:15.089 care in rural China. So
NOTE Confidence: 0.95327246
00:09:15.695 --> 00:09:16.575 we set out to do
NOTE Confidence: 0.95327246
00:09:16.575 --> 00:09:17.855 the study. This is the
NOTE Confidence: 0.95327246
00:09:17.855 --> 00:09:18.355 site.
NOTE Confidence: 0.99078435
00:09:18.895 --> 00:09:19.635 Our study,
NOTE Confidence: 0.99827045
00:09:20.175 --> 00:09:20.995 is conducted
NOTE Confidence: 0.8892375
00:09:21.375 --> 00:09:23.135 was well, is because it's
NOTE Confidence: 0.8892375
00:09:23.135 --> 00:09:25.154 still ongoing, conducted in,
NOTE Confidence: 0.95833224
00:09:25.695 --> 00:09:27.475 one county in this province.
NOTE Confidence: 0.95833224
00:09:27.535 --> 00:09:28.654 And the province is called
NOTE Confidence: 0.95833224

00:09:28.654 --> 00:09:29.774 Hebei. It happened to be

NOTE Confidence: 0.95833224

00:09:29.774 --> 00:09:31.020 my, well, I chose it

NOTE Confidence: 0.95833224

00:09:31.020 --> 00:09:32.000 to be my hometown.

NOTE Confidence: 0.9930415

00:09:32.460 --> 00:09:34.080 And this is actually the,

NOTE Confidence: 0.9979508

00:09:35.100 --> 00:09:35.600 wisest

NOTE Confidence: 0.95204663

00:09:35.900 --> 00:09:37.179 choice I made, if I

NOTE Confidence: 0.95204663

00:09:37.179 --> 00:09:38.400 can speak on that.

NOTE Confidence: 0.9463501

00:09:39.020 --> 00:09:39.420 Because,

NOTE Confidence: 0.89779353

00:09:40.940 --> 00:09:41.420 this,

NOTE Confidence: 0.9991246

00:09:41.820 --> 00:09:42.320 was

NOTE Confidence: 0.9924507

00:09:42.865 --> 00:09:44.065 done in the last few

NOTE Confidence: 0.9924507

00:09:44.065 --> 00:09:45.925 years of my mom's life.

NOTE Confidence: 0.9924507

00:09:45.985 --> 00:09:47.505 So because I chose it

NOTE Confidence: 0.9924507

00:09:47.505 --> 00:09:48.465 here, I was able to

NOTE Confidence: 0.9924507

00:09:48.465 --> 00:09:50.385 see her, more often than

NOTE Confidence: 0.9924507

00:09:50.385 --> 00:09:51.605 I had otherwise.

NOTE Confidence: 0.95323914
00:09:52.385 --> 00:09:53.825 And, but not that's not
NOTE Confidence: 0.95323914
00:09:53.825 --> 00:09:54.945 the only reason. The other
NOTE Confidence: 0.95323914
00:09:54.945 --> 00:09:56.165 reasons would be collaborations,
NOTE Confidence: 0.91388136
00:09:56.625 --> 00:09:58.120 but also the high burden.
NOTE Confidence: 0.91388136
00:09:58.120 --> 00:10:00.040 You can see, Hebei is
NOTE Confidence: 0.91388136
00:10:00.040 --> 00:10:00.860 in the darkest,
NOTE Confidence: 0.9133667
00:10:01.240 --> 00:10:02.920 color in terms of incidence
NOTE Confidence: 0.9133667
00:10:02.920 --> 00:10:03.660 for stroke.
NOTE Confidence: 0.8944406
00:10:05.000 --> 00:10:06.440 And Sorry, Nikki. Can you
NOTE Confidence: 0.8944406
00:10:06.440 --> 00:10:08.059 go back one second? Sure.
NOTE Confidence: 0.8944406
00:10:08.120 --> 00:10:09.500 So is the whole population
NOTE Confidence: 0.8944406
00:10:09.640 --> 00:10:10.845 of the Hebei province
NOTE Confidence: 0.9630004
00:10:11.245 --> 00:10:12.684 three hundred and sixty thousand
NOTE Confidence: 0.9630004
00:10:12.684 --> 00:10:15.004 people? No. It's the total
NOTE Confidence: 0.9630004
00:10:15.004 --> 00:10:16.365 population for the county we
NOTE Confidence: 0.9630004

00:10:16.365 --> 00:10:18.045 chose. Oh, okay. Yeah. Because
NOTE Confidence: 0.9630004

00:10:18.045 --> 00:10:19.084 I thought that was very
NOTE Confidence: 0.9630004

00:10:19.084 --> 00:10:20.605 low for China. Right. It's
NOTE Confidence: 0.9630004

00:10:20.605 --> 00:10:22.605 for this particular county. And
NOTE Confidence: 0.9630004

00:10:22.605 --> 00:10:23.884 the particular county had two
NOTE Confidence: 0.9630004

00:10:23.884 --> 00:10:25.404 hundred eighteen villages. We worked
NOTE Confidence: 0.9630004

00:10:25.404 --> 00:10:27.390 in fifty villages. Okay. Yeah.
NOTE Confidence: 0.9532271

00:10:27.770 --> 00:10:29.529 So, this is a busy
NOTE Confidence: 0.9532271

00:10:29.529 --> 00:10:30.970 timeline, but I would like
NOTE Confidence: 0.9532271

00:10:30.970 --> 00:10:32.170 just to point out there
NOTE Confidence: 0.9532271

00:10:32.170 --> 00:10:33.850 is this long phase where
NOTE Confidence: 0.9532271

00:10:33.850 --> 00:10:34.910 we call formative
NOTE Confidence: 0.87141746

00:10:35.690 --> 00:10:37.209 research where we did, you
NOTE Confidence: 0.87141746

00:10:37.209 --> 00:10:38.330 know, the barriers and the
NOTE Confidence: 0.87141746

00:10:38.330 --> 00:10:40.270 facilitators and the comp contextualization,
NOTE Confidence: 0.9234689

00:10:41.285 --> 00:10:41.785 tailoring.

NOTE Confidence: 0.9778972
00:10:42.485 --> 00:10:44.085 And then after the pilot
NOTE Confidence: 0.9778972
00:10:44.085 --> 00:10:45.865 study, we had this intervention
NOTE Confidence: 0.9778972
00:10:46.085 --> 00:10:47.445 that is only one year
NOTE Confidence: 0.9778972
00:10:47.445 --> 00:10:48.885 long. So this is important
NOTE Confidence: 0.9778972
00:10:48.885 --> 00:10:50.165 to keep in mind. The
NOTE Confidence: 0.9778972
00:10:50.165 --> 00:10:52.005 intervention, the active phase was
NOTE Confidence: 0.9778972
00:10:52.005 --> 00:10:53.765 only one year long. And
NOTE Confidence: 0.9778972
00:10:53.765 --> 00:10:55.065 then after that,
NOTE Confidence: 0.99662846
00:10:55.990 --> 00:10:57.050 after it's over,
NOTE Confidence: 0.9861401
00:10:58.070 --> 00:10:59.690 we had a hiatus,
NOTE Confidence: 0.9859919
00:11:00.309 --> 00:11:01.290 during the COVID,
NOTE Confidence: 0.98786575
00:11:01.750 --> 00:11:03.270 but then we were able
NOTE Confidence: 0.98786575
00:11:03.270 --> 00:11:04.570 to have follow-up studies,
NOTE Confidence: 0.9431718
00:11:05.750 --> 00:11:07.830 which, in October of twenty
NOTE Confidence: 0.9431718
00:11:07.830 --> 00:11:08.330 twenty,
NOTE Confidence: 0.6573963

00:11:08.765 --> 00:11:09.265 two,
NOTE Confidence: 0.92223483

00:11:09.645 --> 00:11:10.925 was one of the two
NOTE Confidence: 0.92223483

00:11:10.925 --> 00:11:11.965 who went to the field
NOTE Confidence: 0.92223483

00:11:11.965 --> 00:11:13.565 to to to support the
NOTE Confidence: 0.92223483

00:11:13.565 --> 00:11:14.545 follow-up study.
NOTE Confidence: 0.95853525

00:11:15.645 --> 00:11:17.565 So, in the for the
NOTE Confidence: 0.95853525

00:11:17.565 --> 00:11:19.404 barriers and facilitators, we did
NOTE Confidence: 0.95853525

00:11:19.404 --> 00:11:21.245 three field visits, forty nine
NOTE Confidence: 0.95853525

00:11:21.245 --> 00:11:22.785 interviews, and four workshops,
NOTE Confidence: 0.92019975

00:11:23.210 --> 00:11:24.910 and one steering committee meeting,
NOTE Confidence: 0.9798133

00:11:25.370 --> 00:11:27.210 in order to, do it.
NOTE Confidence: 0.9798133

00:11:27.210 --> 00:11:29.210 So just quickly for forward
NOTE Confidence: 0.9798133

00:11:29.210 --> 00:11:31.370 to, the conclusion part of
NOTE Confidence: 0.9798133

00:11:31.370 --> 00:11:32.190 the determinants
NOTE Confidence: 0.95699316

00:11:32.730 --> 00:11:34.010 in terms of the barriers.
NOTE Confidence: 0.95699316

00:11:34.010 --> 00:11:35.530 They actually come from multiple

NOTE Confidence: 0.95699316
00:11:35.530 --> 00:11:36.030 levels.
NOTE Confidence: 0.8815852
00:11:37.045 --> 00:11:38.565 At the patient level, there
NOTE Confidence: 0.8815852
00:11:38.565 --> 00:11:39.704 is the low awareness,
NOTE Confidence: 0.98827136
00:11:40.404 --> 00:11:42.584 and poor adherence to medication,
NOTE Confidence: 0.9801599
00:11:43.605 --> 00:11:44.005 and,
NOTE Confidence: 0.8684103
00:11:44.485 --> 00:11:45.785 poor physical functioning,
NOTE Confidence: 0.7482102
00:11:46.725 --> 00:11:48.505 generally low health literacy,
NOTE Confidence: 0.97307754
00:11:49.429 --> 00:11:51.029 And even for the literacy
NOTE Confidence: 0.97307754
00:11:51.029 --> 00:11:52.570 level among women,
NOTE Confidence: 0.9823927
00:11:53.029 --> 00:11:54.390 because most of these patients
NOTE Confidence: 0.9823927
00:11:54.390 --> 00:11:55.910 were older, it is,
NOTE Confidence: 0.94408023
00:11:56.790 --> 00:11:57.510 less than,
NOTE Confidence: 0.9193949
00:11:59.029 --> 00:12:00.470 a third of them could
NOTE Confidence: 0.9193949
00:12:00.470 --> 00:12:00.970 read.
NOTE Confidence: 0.96642965
00:12:01.635 --> 00:12:02.375 Yeah. So,
NOTE Confidence: 0.96205366

00:12:02.755 --> 00:12:04.275 at the village doctor level,
NOTE Confidence: 0.96205366

00:12:04.275 --> 00:12:05.395 there is also the low
NOTE Confidence: 0.96205366

00:12:05.395 --> 00:12:07.315 awareness on clinical guidelines for
NOTE Confidence: 0.96205366

00:12:07.315 --> 00:12:08.835 stroke because they focus a
NOTE Confidence: 0.96205366

00:12:08.835 --> 00:12:09.955 lot of their effort on
NOTE Confidence: 0.96205366

00:12:09.955 --> 00:12:11.575 maternal and child health and
NOTE Confidence: 0.96205366

00:12:11.635 --> 00:12:12.135 other,
NOTE Confidence: 0.9406999

00:12:12.915 --> 00:12:14.195 conditions such as,
NOTE Confidence: 0.9657582

00:12:14.675 --> 00:12:17.255 hypertension and diabetes according to,
NOTE Confidence: 0.8798539

00:12:17.770 --> 00:12:20.190 the National Public Health package.
NOTE Confidence: 0.95015043

00:12:21.130 --> 00:12:23.130 And they also have low
NOTE Confidence: 0.95015043

00:12:23.130 --> 00:12:26.010 incentive for preventive care. I'll
NOTE Confidence: 0.95015043

00:12:26.010 --> 00:12:27.130 get my cell phone for
NOTE Confidence: 0.95015043

00:12:27.130 --> 00:12:27.870 time control.
NOTE Confidence: 0.8240473

00:12:30.384 --> 00:12:31.925 Where the lack of preventive
NOTE Confidence: 0.8240473

00:12:32.144 --> 00:12:33.904 care, and here we focus

NOTE Confidence: 0.8240473
00:12:33.904 --> 00:12:35.204 on secondary prevention
NOTE Confidence: 0.97099125
00:12:35.824 --> 00:12:36.565 for stroke,
NOTE Confidence: 0.99447626
00:12:37.264 --> 00:12:39.264 instead of, the acute phase,
NOTE Confidence: 0.99447626
00:12:39.264 --> 00:12:40.545 which is not suitable for
NOTE Confidence: 0.99447626
00:12:40.545 --> 00:12:41.605 the primary care.
NOTE Confidence: 0.9432262
00:12:41.985 --> 00:12:43.204 At the county level,
NOTE Confidence: 0.97524005
00:12:43.829 --> 00:12:45.690 they are acute state oriented
NOTE Confidence: 0.97524005
00:12:45.910 --> 00:12:47.610 and provide fragmented fragmented
NOTE Confidence: 0.9899437
00:12:47.990 --> 00:12:49.910 care without patient follow-up, and
NOTE Confidence: 0.9899437
00:12:49.910 --> 00:12:50.730 they're overburdened.
NOTE Confidence: 0.9997527
00:12:51.670 --> 00:12:53.449 I remember visiting the hospital
NOTE Confidence: 0.9935496
00:12:53.910 --> 00:12:55.029 during the winter, you know,
NOTE Confidence: 0.9935496
00:12:55.029 --> 00:12:56.170 around this time.
NOTE Confidence: 0.96511304
00:12:56.695 --> 00:12:58.454 Outside of the neurology ward,
NOTE Confidence: 0.96511304
00:12:58.454 --> 00:12:59.415 there will be lots of
NOTE Confidence: 0.96511304

00:12:59.415 --> 00:13:02.214 deaths and, patients and family
NOTE Confidence: 0.96511304

00:13:02.214 --> 00:13:03.654 members even living in the
NOTE Confidence: 0.96511304

00:13:03.654 --> 00:13:04.154 corridor,
NOTE Confidence: 0.99142975

00:13:04.855 --> 00:13:06.774 because, they they have a
NOTE Confidence: 0.99142975

00:13:06.774 --> 00:13:07.675 surge of,
NOTE Confidence: 0.9668824

00:13:08.295 --> 00:13:10.075 patients, during the wintertime.
NOTE Confidence: 0.9977991

00:13:11.030 --> 00:13:11.690 And then,
NOTE Confidence: 0.8559533

00:13:12.150 --> 00:13:13.750 our specialists, they are very
NOTE Confidence: 0.8559533

00:13:13.750 --> 00:13:14.250 experienced,
NOTE Confidence: 0.9775726

00:13:14.550 --> 00:13:16.230 world class, but they are,
NOTE Confidence: 0.9775726

00:13:16.470 --> 00:13:17.830 they don't know the rural
NOTE Confidence: 0.9775726

00:13:17.830 --> 00:13:19.929 situation. So in the county,
NOTE Confidence: 0.9775726

00:13:20.070 --> 00:13:21.370 this is the three tier,
NOTE Confidence: 0.95618147

00:13:23.184 --> 00:13:25.905 health care delivery system, county
NOTE Confidence: 0.95618147

00:13:25.905 --> 00:13:27.985 hospital being only one, and
NOTE Confidence: 0.95618147

00:13:27.985 --> 00:13:28.645 the leading,

NOTE Confidence: 0.90385866
00:13:29.425 --> 00:13:29.925 facility.
NOTE Confidence: 0.98458797
00:13:30.705 --> 00:13:32.565 And then there are fifteen
NOTE Confidence: 0.98458797
00:13:32.705 --> 00:13:35.025 township health care centers throughout
NOTE Confidence: 0.98458797
00:13:35.025 --> 00:13:36.625 the county. And then each
NOTE Confidence: 0.98458797
00:13:36.625 --> 00:13:37.925 county each township
NOTE Confidence: 0.97680545
00:13:38.410 --> 00:13:40.010 health care centers manages a
NOTE Confidence: 0.97680545
00:13:40.010 --> 00:13:41.390 number of village clinics,
NOTE Confidence: 0.99538296
00:13:41.929 --> 00:13:43.290 that is staffed by village
NOTE Confidence: 0.99538296
00:13:43.290 --> 00:13:43.790 doctors,
NOTE Confidence: 0.94795775
00:13:44.410 --> 00:13:47.150 and, nurses, sometimes pharmacists too.
NOTE Confidence: 0.94795775
00:13:47.290 --> 00:13:48.429 And the village doctors
NOTE Confidence: 0.98248655
00:13:49.130 --> 00:13:51.175 can prescribe medicine. This is
NOTE Confidence: 0.98248655
00:13:51.175 --> 00:13:53.095 different from, for example, Nepal
NOTE Confidence: 0.98248655
00:13:53.095 --> 00:13:53.755 or India,
NOTE Confidence: 0.9753107
00:13:54.135 --> 00:13:54.615 but,
NOTE Confidence: 0.9955014

00:13:55.335 --> 00:13:56.875 they are not board certified
NOTE Confidence: 0.9955014

00:13:57.095 --> 00:13:59.275 physicians as you understand them.
NOTE Confidence: 0.98817587

00:13:59.815 --> 00:14:01.995 They usually receive vocational
NOTE Confidence: 0.98744935

00:14:02.615 --> 00:14:04.475 professional training of two years
NOTE Confidence: 0.98744935

00:14:04.720 --> 00:14:06.320 beyond high school or after
NOTE Confidence: 0.98744935

00:14:06.320 --> 00:14:07.059 middle school.
NOTE Confidence: 0.97093016

00:14:07.679 --> 00:14:10.080 Then, they get certificate from
NOTE Confidence: 0.97093016

00:14:10.080 --> 00:14:11.360 the government to be a
NOTE Confidence: 0.97093016

00:14:11.360 --> 00:14:12.800 village doctor. Some of them
NOTE Confidence: 0.97093016

00:14:12.800 --> 00:14:14.000 full time, many of them
NOTE Confidence: 0.97093016

00:14:14.000 --> 00:14:16.100 also part time doing farming
NOTE Confidence: 0.97093016

00:14:16.160 --> 00:14:17.220 or other things,
NOTE Confidence: 0.88829505

00:14:17.679 --> 00:14:18.785 on the side. Can I
NOTE Confidence: 0.88829505

00:14:18.785 --> 00:14:20.024 ask you one question? What?
NOTE Confidence: 0.88829505

00:14:20.024 --> 00:14:21.305 Can you do that? Sure.
NOTE Confidence: 0.88829505

00:14:21.464 --> 00:14:22.345 The line about,

NOTE Confidence: 0.9524899

00:14:22.904 --> 00:14:24.504 poor adherence to treatment. Mhmm.

NOTE Confidence: 0.9524899

00:14:24.504 --> 00:14:25.625 Just because I don't know

NOTE Confidence: 0.9524899

00:14:25.625 --> 00:14:26.745 I don't know the context.

NOTE Confidence: 0.9524899

00:14:26.745 --> 00:14:28.824 Is the adherence because of

NOTE Confidence: 0.9524899

00:14:28.824 --> 00:14:31.225 access barriers or education or

NOTE Confidence: 0.9524899

00:14:31.225 --> 00:14:32.560 other things? Things? Yeah. That

NOTE Confidence: 0.9524899

00:14:32.560 --> 00:14:34.160 is a great question. There

NOTE Confidence: 0.9524899

00:14:34.160 --> 00:14:35.860 are many reasons. If I

NOTE Confidence: 0.9524899

00:14:36.000 --> 00:14:37.700 focus on the most important

NOTE Confidence: 0.9524899

00:14:37.839 --> 00:14:38.339 adherence,

NOTE Confidence: 0.9937679

00:14:38.880 --> 00:14:40.420 problem, there are

NOTE Confidence: 0.91196126

00:14:40.880 --> 00:14:42.260 not one there are two.

NOTE Confidence: 0.91196126

00:14:42.320 --> 00:14:43.460 One is cost.

NOTE Confidence: 0.9643767

00:14:44.000 --> 00:14:45.279 Some of these medicine are

NOTE Confidence: 0.9643767

00:14:45.279 --> 00:14:47.894 not free, and, I constantly

NOTE Confidence: 0.9643767

00:14:47.894 --> 00:14:49.334 hear patients saying, oh, can
NOTE Confidence: 0.9643767

00:14:49.334 --> 00:14:50.855 we get this for free
NOTE Confidence: 0.9643767

00:14:50.855 --> 00:14:52.214 or at lower cost? And
NOTE Confidence: 0.9643767

00:14:52.214 --> 00:14:53.334 the other thing would be
NOTE Confidence: 0.9643767

00:14:53.415 --> 00:14:54.695 well, the costing we can't
NOTE Confidence: 0.9643767

00:14:54.695 --> 00:14:55.894 really address in our study.
NOTE Confidence: 0.9643767

00:14:55.894 --> 00:14:56.935 We didn't address that in
NOTE Confidence: 0.9643767

00:14:56.935 --> 00:14:58.214 our study. The other thing
NOTE Confidence: 0.9643767

00:14:58.214 --> 00:15:01.290 is the, health literacy. Like,
NOTE Confidence: 0.9643767

00:15:01.529 --> 00:15:03.529 they, would stop their medicine
NOTE Confidence: 0.9643767

00:15:03.529 --> 00:15:04.910 when there is no symptom
NOTE Confidence: 0.89402515

00:15:05.290 --> 00:15:06.430 or they may forget.
NOTE Confidence: 0.9674236

00:15:06.810 --> 00:15:08.570 So there's that kind of
NOTE Confidence: 0.9674236

00:15:08.570 --> 00:15:09.070 reasons.
NOTE Confidence: 0.41005865

00:15:09.610 --> 00:15:09.930 Sorry,
NOTE Confidence: 0.8495096

00:15:11.610 --> 00:15:12.829 On the cost question,

NOTE Confidence: 0.9642024
00:15:14.394 --> 00:15:15.834 can you be how clear
NOTE Confidence: 0.9642024
00:15:15.834 --> 00:15:17.515 can you be about what
NOTE Confidence: 0.9642024
00:15:17.515 --> 00:15:19.355 what exactly is free? Like,
NOTE Confidence: 0.9642024
00:15:19.355 --> 00:15:20.894 a first line WHO
NOTE Confidence: 0.98779464
00:15:21.675 --> 00:15:22.894 recommended antihypertensives
NOTE Confidence: 0.77593637
00:15:24.154 --> 00:15:24.654 free.
NOTE Confidence: 0.9543417
00:15:25.595 --> 00:15:26.875 Are they in stock at
NOTE Confidence: 0.9543417
00:15:26.875 --> 00:15:28.235 all of these, I guess,
NOTE Confidence: 0.9543417
00:15:28.235 --> 00:15:29.915 would be village clinics? At
NOTE Confidence: 0.9543417
00:15:29.915 --> 00:15:30.690 the time time we were
NOTE Confidence: 0.9543417
00:15:30.690 --> 00:15:32.610 working there, the active trial
NOTE Confidence: 0.9543417
00:15:32.610 --> 00:15:33.890 from twenty seventeen to twenty
NOTE Confidence: 0.9543417
00:15:33.890 --> 00:15:34.390 eighteen,
NOTE Confidence: 0.9921733
00:15:34.770 --> 00:15:36.770 these frontline medicines, what we
NOTE Confidence: 0.9921733
00:15:36.770 --> 00:15:38.470 call in the essential formulary
NOTE Confidence: 0.9921733

00:15:38.690 --> 00:15:39.830 Yeah. They are
NOTE Confidence: 0.87772346

00:15:40.370 --> 00:15:41.730 usually they were usually in
NOTE Confidence: 0.87772346

00:15:41.730 --> 00:15:42.230 stock.
NOTE Confidence: 0.99897254

00:15:42.654 --> 00:15:44.175 So availability is not an
NOTE Confidence: 0.99897254

00:15:44.175 --> 00:15:45.315 issue. However,
NOTE Confidence: 0.98980224

00:15:45.695 --> 00:15:47.455 in terms of free, at
NOTE Confidence: 0.98980224

00:15:47.455 --> 00:15:49.475 that time, nothing was completely
NOTE Confidence: 0.98980224

00:15:49.615 --> 00:15:51.455 for free. They needed to
NOTE Confidence: 0.98980224

00:15:51.455 --> 00:15:52.435 have co pay.
NOTE Confidence: 0.974851

00:15:53.214 --> 00:15:55.135 If they register as a
NOTE Confidence: 0.974851

00:15:55.135 --> 00:15:56.595 chronic disease patient
NOTE Confidence: 0.9855979

00:15:57.009 --> 00:15:58.610 through that special policy, they
NOTE Confidence: 0.9855979

00:15:58.610 --> 00:16:00.290 get a larger discount, but
NOTE Confidence: 0.9855979

00:16:00.290 --> 00:16:01.770 it's still not free Mhmm.
NOTE Confidence: 0.9855979

00:16:02.050 --> 00:16:02.870 At that time.
NOTE Confidence: 0.96608806

00:16:04.610 --> 00:16:06.050 Later, it became a little

NOTE Confidence: 0.96608806
00:16:06.050 --> 00:16:06.550 better.
NOTE Confidence: 0.99597675
00:16:07.089 --> 00:16:08.850 And just to calibrate that,
NOTE Confidence: 0.99597675
00:16:08.850 --> 00:16:10.529 what percent of, like, the
NOTE Confidence: 0.99597675
00:16:10.529 --> 00:16:11.509 monthly income
NOTE Confidence: 0.9955144
00:16:11.945 --> 00:16:13.225 would it cost to pay
NOTE Confidence: 0.9955144
00:16:13.225 --> 00:16:14.205 for that medicine?
NOTE Confidence: 0.95297563
00:16:14.585 --> 00:16:16.425 Loss? Well, the medicines we
NOTE Confidence: 0.95297563
00:16:16.425 --> 00:16:17.945 promote actually are very cheap.
NOTE Confidence: 0.95297563
00:16:17.945 --> 00:16:18.445 Mhmm.
NOTE Confidence: 0.9917828
00:16:18.825 --> 00:16:19.325 Like,
NOTE Confidence: 0.9523119
00:16:19.865 --> 00:16:20.985 they could be just a
NOTE Confidence: 0.9523119
00:16:20.985 --> 00:16:22.745 few yuan per month or
NOTE Confidence: 0.9523119
00:16:22.745 --> 00:16:23.245 even
NOTE Confidence: 0.96370023
00:16:23.750 --> 00:16:24.870 like, aspirin is, like, a
NOTE Confidence: 0.96370023
00:16:24.870 --> 00:16:26.110 few yuan per year Mhmm.
NOTE Confidence: 0.96370023

00:16:26.310 --> 00:16:27.350 Which is less than a
NOTE Confidence: 0.96370023

00:16:27.350 --> 00:16:29.290 dollar per year. Mhmm. But
NOTE Confidence: 0.96370023

00:16:29.350 --> 00:16:30.649 the better branding
NOTE Confidence: 0.9437309

00:16:31.350 --> 00:16:33.029 aspirin, like, from there, that
NOTE Confidence: 0.9437309

00:16:33.029 --> 00:16:34.389 costs more. But that's not
NOTE Confidence: 0.9437309

00:16:34.389 --> 00:16:35.670 what we're that's not what
NOTE Confidence: 0.9437309

00:16:35.670 --> 00:16:37.050 we're promoting. Exactly.
NOTE Confidence: 0.9845891

00:16:37.775 --> 00:16:39.135 And, I don't think I
NOTE Confidence: 0.9845891

00:16:39.135 --> 00:16:40.575 would remember to mention this,
NOTE Confidence: 0.9845891

00:16:40.575 --> 00:16:41.615 but some of you may
NOTE Confidence: 0.9845891

00:16:41.615 --> 00:16:42.115 know,
NOTE Confidence: 0.98443615

00:16:42.575 --> 00:16:44.115 that it's led by professor,
NOTE Confidence: 0.876408

00:16:45.135 --> 00:16:46.975 Jiang He from Tulane who's
NOTE Confidence: 0.876408

00:16:46.975 --> 00:16:49.155 at Texas now, and professor
NOTE Confidence: 0.876408

00:16:49.295 --> 00:16:49.795 from
NOTE Confidence: 0.9311716

00:16:50.175 --> 00:16:51.990 China. They published two papers

NOTE Confidence: 0.9311716
00:16:51.990 --> 00:16:53.269 in Lancet, and I wrote
NOTE Confidence: 0.9311716
00:16:53.269 --> 00:16:55.589 an editorial for them. They
NOTE Confidence: 0.9311716
00:16:55.589 --> 00:16:57.670 had this large trial of
NOTE Confidence: 0.9311716
00:16:57.670 --> 00:16:58.389 three hundred,
NOTE Confidence: 0.99086547
00:16:58.949 --> 00:17:00.630 or so clusters of thirty
NOTE Confidence: 0.99086547
00:17:00.630 --> 00:17:02.410 three thousand patients,
NOTE Confidence: 0.9896557
00:17:02.790 --> 00:17:05.015 with first result of eighteen
NOTE Confidence: 0.9896557
00:17:05.015 --> 00:17:06.455 months follow-up of a blood
NOTE Confidence: 0.9896557
00:17:06.455 --> 00:17:07.275 pressure reduction.
NOTE Confidence: 0.86282724
00:17:07.655 --> 00:17:09.255 It's humongous. It's like fourteen
NOTE Confidence: 0.86282724
00:17:09.255 --> 00:17:09.755 millimetric
NOTE Confidence: 0.9588677
00:17:10.055 --> 00:17:11.195 blood pressure reduction
NOTE Confidence: 0.9189366
00:17:11.494 --> 00:17:13.494 because they provided medicine for
NOTE Confidence: 0.9189366
00:17:13.494 --> 00:17:14.855 free not because of that.
NOTE Confidence: 0.9189366
00:17:14.855 --> 00:17:15.895 But the large reason was
NOTE Confidence: 0.9189366

00:17:15.895 --> 00:17:17.575 that they provided medicine for
NOTE Confidence: 0.9189366

00:17:17.575 --> 00:17:19.490 free to over ninety percent
NOTE Confidence: 0.9189366

00:17:19.490 --> 00:17:20.690 of those in the international
NOTE Confidence: 0.9189366

00:17:20.690 --> 00:17:21.190 are.
NOTE Confidence: 0.94556975

00:17:21.649 --> 00:17:23.169 That that they did that.
NOTE Confidence: 0.94556975

00:17:23.169 --> 00:17:24.210 And then in the thirty
NOTE Confidence: 0.94556975

00:17:24.210 --> 00:17:25.570 six month follow-up, they had
NOTE Confidence: 0.94556975

00:17:25.570 --> 00:17:27.750 a reduction of somewhere between
NOTE Confidence: 0.94556975

00:17:28.049 --> 00:17:29.570 fifteen to twenty five percent
NOTE Confidence: 0.94556975

00:17:29.570 --> 00:17:30.309 in cardiovascular.
NOTE Confidence: 0.962893

00:17:31.465 --> 00:17:32.984 So that's their their study.
NOTE Confidence: 0.962893

00:17:32.984 --> 00:17:34.365 And, our study
NOTE Confidence: 0.93132305

00:17:34.904 --> 00:17:35.644 was different,
NOTE Confidence: 0.9929351

00:17:36.744 --> 00:17:37.244 in
NOTE Confidence: 0.9194618

00:17:37.784 --> 00:17:38.825 terms of the provision of
NOTE Confidence: 0.9194618

00:17:38.825 --> 00:17:39.325 medicine.

NOTE Confidence: 0.9907933

00:17:40.024 --> 00:17:41.625 And we observed a much

NOTE Confidence: 0.9907933

00:17:41.625 --> 00:17:42.125 smaller

NOTE Confidence: 0.97332895

00:17:42.664 --> 00:17:44.350 effect size. Because you're using

NOTE Confidence: 0.97332895

00:17:44.350 --> 00:17:45.789 the health system rather than

NOTE Confidence: 0.97332895

00:17:45.789 --> 00:17:47.230 providing Yes. We use we

NOTE Confidence: 0.97332895

00:17:47.230 --> 00:17:49.309 use the existing, system as

NOTE Confidence: 0.97332895

00:17:49.309 --> 00:17:50.750 much as as we could.

NOTE Confidence: 0.97332895

00:17:50.750 --> 00:17:51.789 Yeah. I'm sorry. I also

NOTE Confidence: 0.97332895

00:17:51.789 --> 00:17:52.669 have a question of the

NOTE Confidence: 0.97332895

00:17:52.669 --> 00:17:54.909 village doctors. Mhmm. So do

NOTE Confidence: 0.97332895

00:17:54.909 --> 00:17:55.869 they have would you say

NOTE Confidence: 0.97332895

00:17:55.869 --> 00:17:56.669 that they all have a

NOTE Confidence: 0.97332895

00:17:56.669 --> 00:17:57.650 high school education?

NOTE Confidence: 0.9427223

00:17:58.655 --> 00:18:00.255 Some of them would mean,

NOTE Confidence: 0.9427223

00:18:00.575 --> 00:18:02.255 community college. Uh-huh. So they're

NOTE Confidence: 0.9427223

00:18:02.335 --> 00:18:03.375 They may not have high
NOTE Confidence: 0.9427223

00:18:03.375 --> 00:18:04.655 school. They may go to
NOTE Confidence: 0.9427223

00:18:04.655 --> 00:18:06.914 the vocational school for health
NOTE Confidence: 0.9427223

00:18:07.054 --> 00:18:08.655 after middle school. But they're
NOTE Confidence: 0.9427223

00:18:08.655 --> 00:18:10.494 all literate. Sure. Oh, yes.
NOTE Confidence: 0.9427223

00:18:10.494 --> 00:18:11.315 They're all literate.
NOTE Confidence: 0.92403305

00:18:11.690 --> 00:18:13.290 And other than, a small
NOTE Confidence: 0.92403305

00:18:13.290 --> 00:18:15.609 percentage of, let's say, ten
NOTE Confidence: 0.92403305

00:18:15.609 --> 00:18:17.369 percent ten to fifteen percent
NOTE Confidence: 0.92403305

00:18:17.369 --> 00:18:18.650 at that time, all of
NOTE Confidence: 0.92403305

00:18:18.650 --> 00:18:20.090 the village doctors are used
NOTE Confidence: 0.92403305

00:18:20.250 --> 00:18:21.230 used a smartphone
NOTE Confidence: 0.89361274

00:18:21.690 --> 00:18:23.150 even in twenty seventeen.
NOTE Confidence: 0.9633229

00:18:23.785 --> 00:18:24.905 At this time, I think
NOTE Confidence: 0.9633229

00:18:24.905 --> 00:18:26.345 it's nearly a hundred percent
NOTE Confidence: 0.9633229

00:18:26.345 --> 00:18:27.885 as the older village doctors,

NOTE Confidence: 0.969926
00:18:28.265 --> 00:18:28.765 retired.
NOTE Confidence: 0.99957496
00:18:29.145 --> 00:18:31.165 However, even as of now,
NOTE Confidence: 0.9959331
00:18:31.945 --> 00:18:33.325 nearly no patients
NOTE Confidence: 0.9926152
00:18:33.865 --> 00:18:34.925 use smartphone.
NOTE Confidence: 0.9171319
00:18:37.340 --> 00:18:39.020 They at least have, had
NOTE Confidence: 0.9171319
00:18:39.020 --> 00:18:39.680 a shared
NOTE Confidence: 0.9431824
00:18:40.140 --> 00:18:41.500 cell phone, that is a
NOTE Confidence: 0.9431824
00:18:41.500 --> 00:18:42.619 feature phone, like a basic
NOTE Confidence: 0.9431824
00:18:42.619 --> 00:18:44.540 phone. They can receive calls
NOTE Confidence: 0.9431824
00:18:44.540 --> 00:18:45.520 and text messages.
NOTE Confidence: 0.947293
00:18:46.780 --> 00:18:48.220 So But that's very different
NOTE Confidence: 0.947293
00:18:48.220 --> 00:18:50.144 than, say, community health workers
NOTE Confidence: 0.947293
00:18:50.144 --> 00:18:51.585 in Nepal or ASHA's in
NOTE Confidence: 0.947293
00:18:51.585 --> 00:18:53.684 India who could be even
NOTE Confidence: 0.947293
00:18:53.825 --> 00:18:55.664 barely literate or even not
NOTE Confidence: 0.947293

00:18:55.664 --> 00:18:57.505 literate. Right. That's different. And

NOTE Confidence: 0.947293

00:18:57.505 --> 00:18:58.465 so this is a full

NOTE Confidence: 0.947293

00:18:58.465 --> 00:19:00.005 time job. They're not volunteers.

NOTE Confidence: 0.94346607

00:19:00.625 --> 00:19:02.065 They're not volunteers. Some of

NOTE Confidence: 0.94346607

00:19:02.065 --> 00:19:03.630 them are part time, but

NOTE Confidence: 0.94346607

00:19:03.630 --> 00:19:05.070 they're paid. They they receive

NOTE Confidence: 0.94346607

00:19:05.070 --> 00:19:06.450 some payment from the government.

NOTE Confidence: 0.94346607

00:19:06.750 --> 00:19:08.670 And they are doctors, and

NOTE Confidence: 0.94346607

00:19:08.670 --> 00:19:09.630 they could even they're not

NOTE Confidence: 0.94346607

00:19:09.630 --> 00:19:10.910 just literate literate, but they

NOTE Confidence: 0.94346607

00:19:10.910 --> 00:19:12.050 could prescribe medicine

NOTE Confidence: 0.9494537

00:19:12.430 --> 00:19:13.869 in the formula, in the

NOTE Confidence: 0.9494537

00:19:13.869 --> 00:19:14.770 essential formula.

NOTE Confidence: 0.92029333

00:19:15.655 --> 00:19:16.775 Is it a full time

NOTE Confidence: 0.92029333

00:19:16.775 --> 00:19:17.734 job, or do they have

NOTE Confidence: 0.92029333

00:19:17.734 --> 00:19:18.934 another job and they just

NOTE Confidence: 0.92029333
00:19:18.934 --> 00:19:20.535 do the same size? A
NOTE Confidence: 0.92029333
00:19:20.535 --> 00:19:21.975 a percentage of them. During
NOTE Confidence: 0.92029333
00:19:21.975 --> 00:19:22.934 the time when we did
NOTE Confidence: 0.92029333
00:19:22.934 --> 00:19:24.135 our trial, I think it's
NOTE Confidence: 0.92029333
00:19:24.135 --> 00:19:24.875 higher now,
NOTE Confidence: 0.9969459
00:19:25.494 --> 00:19:26.934 because China is changing so
NOTE Confidence: 0.9969459
00:19:26.934 --> 00:19:27.434 fast.
NOTE Confidence: 0.98439807
00:19:28.055 --> 00:19:29.575 At that time, about,
NOTE Confidence: 0.9394325
00:19:30.700 --> 00:19:31.740 I would say, a little
NOTE Confidence: 0.9394325
00:19:31.740 --> 00:19:33.420 less than half had this
NOTE Confidence: 0.9394325
00:19:33.420 --> 00:19:34.780 as a full time job.
NOTE Confidence: 0.9394325
00:19:34.780 --> 00:19:36.540 Mhmm. But the other over
NOTE Confidence: 0.9394325
00:19:36.540 --> 00:19:38.320 half of the village doctors
NOTE Confidence: 0.97335327
00:19:38.859 --> 00:19:40.400 worked as a village doctor,
NOTE Confidence: 0.9779727
00:19:40.700 --> 00:19:41.980 but at the same time,
NOTE Confidence: 0.9779727

00:19:41.980 --> 00:19:43.500 also did their own business
NOTE Confidence: 0.9779727

00:19:43.500 --> 00:19:44.240 or farming.
NOTE Confidence: 0.97464406

00:19:45.984 --> 00:19:46.965 So it's a mix.
NOTE Confidence: 0.9466073

00:19:47.265 --> 00:19:49.184 But nowadays, more, of them
NOTE Confidence: 0.9466073

00:19:49.184 --> 00:19:50.965 are full time village doctors.
NOTE Confidence: 0.9453535

00:19:51.345 --> 00:19:52.625 Okay. Thank you. So these
NOTE Confidence: 0.9453535

00:19:52.625 --> 00:19:53.905 are important background for you
NOTE Confidence: 0.9453535

00:19:53.905 --> 00:19:55.125 to understand in our study.
NOTE Confidence: 0.96102035

00:19:56.065 --> 00:19:57.744 This is the core functions
NOTE Confidence: 0.96102035

00:19:57.744 --> 00:19:59.710 and core function and forms
NOTE Confidence: 0.96102035

00:19:59.710 --> 00:20:00.750 model that some of you
NOTE Confidence: 0.96102035

00:20:00.750 --> 00:20:02.030 may be familiar. So we
NOTE Confidence: 0.96102035

00:20:02.030 --> 00:20:03.630 start with identification of the
NOTE Confidence: 0.96102035

00:20:03.630 --> 00:20:05.650 problem that needs and identify
NOTE Confidence: 0.96102035

00:20:05.789 --> 00:20:06.530 the standardized
NOTE Confidence: 0.9147029

00:20:06.910 --> 00:20:07.730 core functions,

NOTE Confidence: 0.9942319
00:20:08.270 --> 00:20:10.049 but tailor the core functions
NOTE Confidence: 0.9942319
00:20:10.270 --> 00:20:10.770 to,
NOTE Confidence: 0.96732754
00:20:11.505 --> 00:20:13.025 have the different forms for
NOTE Confidence: 0.96732754
00:20:13.025 --> 00:20:14.165 the different contexts.
NOTE Confidence: 0.9906262
00:20:14.785 --> 00:20:15.285 So,
NOTE Confidence: 0.9784663
00:20:15.585 --> 00:20:16.405 we didn't,
NOTE Confidence: 0.99221915
00:20:17.265 --> 00:20:19.425 actually use this until later
NOTE Confidence: 0.99221915
00:20:19.425 --> 00:20:19.925 on,
NOTE Confidence: 0.9991104
00:20:20.705 --> 00:20:22.565 when we wanted to transfer
NOTE Confidence: 0.9719531
00:20:23.149 --> 00:20:24.669 learnings from this study to
NOTE Confidence: 0.9719531
00:20:24.669 --> 00:20:27.010 other settings. And we realized
NOTE Confidence: 0.9719531
00:20:27.070 --> 00:20:28.190 that this could be used
NOTE Confidence: 0.9719531
00:20:28.190 --> 00:20:29.010 in a retrospective
NOTE Confidence: 0.9270918
00:20:29.390 --> 00:20:31.470 way even to facilitate the
NOTE Confidence: 0.9270918
00:20:31.470 --> 00:20:31.970 transformation,
NOTE Confidence: 0.91929686

00:20:32.510 --> 00:20:33.250 the transferability.
NOTE Confidence: 0.98463506

00:20:33.950 --> 00:20:35.390 For example, we could keep
NOTE Confidence: 0.98463506

00:20:35.390 --> 00:20:36.830 the core functions if we
NOTE Confidence: 0.98463506

00:20:36.830 --> 00:20:38.369 identify the core functions
NOTE Confidence: 0.9177806

00:20:38.765 --> 00:20:40.225 to be transferable.
NOTE Confidence: 0.9809374

00:20:40.685 --> 00:20:42.285 But the forms definitely needs
NOTE Confidence: 0.9809374

00:20:42.285 --> 00:20:43.645 to be adapted and tailored
NOTE Confidence: 0.9809374

00:20:43.645 --> 00:20:44.925 to a different context, which
NOTE Confidence: 0.9809374

00:20:44.925 --> 00:20:45.805 is what we're trying to
NOTE Confidence: 0.9809374

00:20:45.805 --> 00:20:46.305 do,
NOTE Confidence: 0.8612799

00:20:46.845 --> 00:20:48.525 in Nepal with Nepal, actually
NOTE Confidence: 0.8612799

00:20:48.525 --> 00:20:49.265 with Archana,
NOTE Confidence: 0.9869666

00:20:49.805 --> 00:20:50.205 and,
NOTE Confidence: 0.9376771

00:20:50.925 --> 00:20:53.005 other Viraj and others, in
NOTE Confidence: 0.9376771

00:20:53.005 --> 00:20:53.505 Nepal.
NOTE Confidence: 0.9461594

00:20:53.869 --> 00:20:55.470 So, this is a very

NOTE Confidence: 0.9461594
00:20:55.470 --> 00:20:56.450 busy slide.
NOTE Confidence: 0.98211414
00:20:57.470 --> 00:20:59.550 Sorry. Very busy slide, but
NOTE Confidence: 0.98211414
00:20:59.550 --> 00:21:00.430 I don't mean for you
NOTE Confidence: 0.98211414
00:21:00.430 --> 00:21:01.550 to read them, but this
NOTE Confidence: 0.98211414
00:21:01.550 --> 00:21:02.830 is our way of trying
NOTE Confidence: 0.98211414
00:21:02.830 --> 00:21:04.109 to map what we have
NOTE Confidence: 0.98211414
00:21:04.109 --> 00:21:04.609 done,
NOTE Confidence: 0.9478399
00:21:05.150 --> 00:21:05.650 throughout,
NOTE Confidence: 0.99910045
00:21:06.109 --> 00:21:06.609 this
NOTE Confidence: 0.9940282
00:21:07.855 --> 00:21:08.355 matrix.
NOTE Confidence: 0.9857464
00:21:09.534 --> 00:21:11.394 The model that we actively
NOTE Confidence: 0.9857464
00:21:11.615 --> 00:21:13.375 adopted when we were designing
NOTE Confidence: 0.9857464
00:21:13.375 --> 00:21:14.034 the intervention,
NOTE Confidence: 0.9750689
00:21:14.815 --> 00:21:15.134 was,
NOTE Confidence: 0.973118
00:21:15.615 --> 00:21:16.894 at that time, was the
NOTE Confidence: 0.973118

00:21:16.894 --> 00:21:18.115 chronic care model.
NOTE Confidence: 0.9877616

00:21:18.815 --> 00:21:19.695 I don't have time to
NOTE Confidence: 0.9877616

00:21:19.695 --> 00:21:20.734 go into a lot of
NOTE Confidence: 0.9877616

00:21:20.734 --> 00:21:22.115 details, but it covers,
NOTE Confidence: 0.8944348

00:21:22.780 --> 00:21:23.600 six domains,
NOTE Confidence: 0.9692975

00:21:24.220 --> 00:21:25.340 most of them within the
NOTE Confidence: 0.9692975

00:21:25.340 --> 00:21:26.240 health care system.
NOTE Confidence: 0.9781876

00:21:27.020 --> 00:21:28.540 Some in, this one is
NOTE Confidence: 0.9781876

00:21:28.540 --> 00:21:29.359 in the community.
NOTE Confidence: 0.99900544

00:21:29.980 --> 00:21:31.980 And the emphasis of this
NOTE Confidence: 0.99900544

00:21:31.980 --> 00:21:33.600 model is on productive
NOTE Confidence: 0.9996252

00:21:34.060 --> 00:21:34.560 interactions
NOTE Confidence: 0.995747

00:21:35.340 --> 00:21:35.840 between
NOTE Confidence: 0.84487593

00:21:36.300 --> 00:21:36.700 the,
NOTE Confidence: 0.99844295

00:21:37.645 --> 00:21:39.585 provider team and the patient,
NOTE Confidence: 0.99041927

00:21:40.205 --> 00:21:42.225 which is also our emphasis,

NOTE Confidence: 0.99929446
00:21:42.605 --> 00:21:43.825 for the intervention.
NOTE Confidence: 0.97505873
00:21:44.525 --> 00:21:45.885 So now this is a
NOTE Confidence: 0.97505873
00:21:45.885 --> 00:21:47.565 revealing of the acronym called
NOTE Confidence: 0.97505873
00:21:47.565 --> 00:21:48.924 cinema. I've been calling it,
NOTE Confidence: 0.98612213
00:21:49.484 --> 00:21:50.945 since the outline slide.
NOTE Confidence: 0.7807407
00:21:51.484 --> 00:21:51.804 It's,
NOTE Confidence: 0.97692186
00:21:52.460 --> 00:21:53.840 the acronym means,
NOTE Confidence: 0.9459984
00:21:54.619 --> 00:21:55.600 system integrated,
NOTE Confidence: 0.99812806
00:21:56.940 --> 00:21:58.080 technology enabled
NOTE Confidence: 0.95522934
00:21:58.619 --> 00:21:59.680 model of care.
NOTE Confidence: 0.9397718
00:22:00.619 --> 00:22:01.020 And,
NOTE Confidence: 0.8614258
00:22:01.580 --> 00:22:01.980 it's,
NOTE Confidence: 0.9943519
00:22:02.380 --> 00:22:03.680 covering three levels.
NOTE Confidence: 0.9887011
00:22:04.220 --> 00:22:04.720 So
NOTE Confidence: 0.99461573
00:22:05.020 --> 00:22:07.119 the, our way of addressing
NOTE Confidence: 0.98385245

00:22:07.445 --> 00:22:09.205 patient level barriers is through
NOTE Confidence: 0.98385245

00:22:09.205 --> 00:22:11.365 the monthly follow-up visit by
NOTE Confidence: 0.98385245

00:22:11.365 --> 00:22:12.905 the village doctors, the interaction
NOTE Confidence: 0.98385245

00:22:12.965 --> 00:22:13.465 between
NOTE Confidence: 0.9498575

00:22:13.765 --> 00:22:15.145 the the face to face
NOTE Confidence: 0.9498575

00:22:15.285 --> 00:22:17.045 interactions between village doctors and
NOTE Confidence: 0.9498575

00:22:17.045 --> 00:22:17.705 the patients.
NOTE Confidence: 0.99544144

00:22:18.405 --> 00:22:20.244 And then, we provide self
NOTE Confidence: 0.99544144

00:22:20.244 --> 00:22:21.465 management support
NOTE Confidence: 0.95112044

00:22:21.859 --> 00:22:23.380 through the voice messages, and
NOTE Confidence: 0.95112044

00:22:23.380 --> 00:22:24.260 there is a lot of,
NOTE Confidence: 0.95112044

00:22:24.580 --> 00:22:27.060 formative research going into why
NOTE Confidence: 0.95112044

00:22:27.060 --> 00:22:28.580 is voice message not the
NOTE Confidence: 0.95112044

00:22:28.580 --> 00:22:29.940 text message and how we
NOTE Confidence: 0.95112044

00:22:29.940 --> 00:22:31.880 design the voice message, etcetera.
NOTE Confidence: 0.99757445

00:22:33.220 --> 00:22:34.580 And then at the village

NOTE Confidence: 0.99757445
00:22:34.580 --> 00:22:36.994 doctor level, we have training
NOTE Confidence: 0.9379151
00:22:37.295 --> 00:22:39.135 and technology empowerment, which is
NOTE Confidence: 0.9379151
00:22:39.135 --> 00:22:40.734 through a smartphone based app
NOTE Confidence: 0.9379151
00:22:40.734 --> 00:22:42.575 called the cinema app, and
NOTE Confidence: 0.9379151
00:22:42.575 --> 00:22:43.715 also incentives.
NOTE Confidence: 0.67708725
00:22:44.015 --> 00:22:45.075 Incentives both
NOTE Confidence: 0.93368083
00:22:45.375 --> 00:22:47.315 financial incentives, but also,
NOTE Confidence: 0.79098964
00:22:48.494 --> 00:22:48.994 nonfinancial
NOTE Confidence: 0.87830395
00:22:49.295 --> 00:22:50.915 incentives such as recognition,
NOTE Confidence: 0.9925642
00:22:51.295 --> 00:22:51.795 award,
NOTE Confidence: 0.8250139
00:22:52.869 --> 00:22:53.369 etcetera.
NOTE Confidence: 0.994249
00:22:53.990 --> 00:22:54.710 And then,
NOTE Confidence: 0.9473767
00:22:55.109 --> 00:22:56.330 working with the specialists,
NOTE Confidence: 0.99844426
00:22:57.109 --> 00:22:57.609 to
NOTE Confidence: 0.9835159
00:22:58.150 --> 00:23:00.010 task shift and tax share
NOTE Confidence: 0.9835159

00:23:00.230 --> 00:23:01.929 with the primary care providers.

NOTE Confidence: 0.9251767

00:23:03.350 --> 00:23:04.190 Hey, Jane. Can I ask

NOTE Confidence: 0.9251767

00:23:04.190 --> 00:23:06.309 a question about performance based

NOTE Confidence: 0.9251767

00:23:06.309 --> 00:23:06.809 incentives?

NOTE Confidence: 0.9868628

00:23:07.190 --> 00:23:07.690 Yeah.

NOTE Confidence: 0.9858403

00:23:08.205 --> 00:23:10.145 From my somewhat limited experience

NOTE Confidence: 0.9771026

00:23:10.845 --> 00:23:12.044 in low and middle income

NOTE Confidence: 0.9771026

00:23:12.044 --> 00:23:13.664 countries, there's a lot of,

NOTE Confidence: 0.99973816

00:23:14.205 --> 00:23:14.705 resistance

NOTE Confidence: 0.99878216

00:23:15.085 --> 00:23:17.345 to performance based incentives

NOTE Confidence: 0.8714811

00:23:18.125 --> 00:23:18.625 because,

NOTE Confidence: 0.99839586

00:23:19.325 --> 00:23:19.825 governments

NOTE Confidence: 0.99151844

00:23:20.365 --> 00:23:22.180 don't wanna kind of create

NOTE Confidence: 0.99151844

00:23:22.180 --> 00:23:23.800 a dependency where people

NOTE Confidence: 0.9583747

00:23:24.180 --> 00:23:25.540 don't do their jobs unless

NOTE Confidence: 0.9583747

00:23:25.540 --> 00:23:26.600 they get an incentive.

NOTE Confidence: 0.99873155
00:23:27.380 --> 00:23:28.760 And I've also experienced
NOTE Confidence: 0.9455797
00:23:29.140 --> 00:23:30.100 in a study where I
NOTE Confidence: 0.9455797
00:23:30.100 --> 00:23:31.540 worked on it. The same
NOTE Confidence: 0.9455797
00:23:31.540 --> 00:23:32.980 people are, like, the ones
NOTE Confidence: 0.9455797
00:23:32.980 --> 00:23:33.780 who do a really good
NOTE Confidence: 0.9455797
00:23:33.780 --> 00:23:35.140 job every single month. I
NOTE Confidence: 0.9455797
00:23:35.140 --> 00:23:36.680 don't always get the incentives.
NOTE Confidence: 0.9649318
00:23:38.095 --> 00:23:39.455 So I'm just wondering, like,
NOTE Confidence: 0.9649318
00:23:39.455 --> 00:23:40.575 since you said you were
NOTE Confidence: 0.9649318
00:23:40.575 --> 00:23:42.035 co designing with stakeholders
NOTE Confidence: 0.9771153
00:23:42.414 --> 00:23:44.095 Yes. Were they really happy
NOTE Confidence: 0.9771153
00:23:44.095 --> 00:23:45.215 about that, and did they
NOTE Confidence: 0.9771153
00:23:45.215 --> 00:23:46.434 feel it was sustainable?
NOTE Confidence: 0.9439594
00:23:46.815 --> 00:23:48.414 Or I'm so glad you
NOTE Confidence: 0.9439594
00:23:48.655 --> 00:23:49.775 thoughts. I'm so glad you
NOTE Confidence: 0.9439594

00:23:49.775 --> 00:23:50.895 asked this question because I

NOTE Confidence: 0.9439594

00:23:50.895 --> 00:23:51.395 won't

NOTE Confidence: 0.97976154

00:23:51.830 --> 00:23:52.869 spend too much time on

NOTE Confidence: 0.97976154

00:23:52.869 --> 00:23:53.910 this, but this is such

NOTE Confidence: 0.97976154

00:23:53.910 --> 00:23:54.869 a great question that I

NOTE Confidence: 0.97976154

00:23:54.869 --> 00:23:56.250 do want to respond to.

NOTE Confidence: 0.97976154

00:23:56.470 --> 00:23:58.650 Indeed, the concerns are true

NOTE Confidence: 0.97976154

00:23:58.869 --> 00:24:01.030 that, it may provide the

NOTE Confidence: 0.97976154

00:24:01.030 --> 00:24:02.710 wrong incentive for people to

NOTE Confidence: 0.97976154

00:24:02.710 --> 00:24:03.609 just do it

NOTE Confidence: 0.95219463

00:24:03.934 --> 00:24:04.895 if, you know, they don't

NOTE Confidence: 0.95219463

00:24:04.895 --> 00:24:05.615 do it well if they

NOTE Confidence: 0.95219463

00:24:05.615 --> 00:24:06.674 are not getting paid.

NOTE Confidence: 0.9847372

00:24:06.975 --> 00:24:07.455 And,

NOTE Confidence: 0.9197198

00:24:08.575 --> 00:24:10.415 it's usually just the better

NOTE Confidence: 0.9197198

00:24:10.415 --> 00:24:11.475 reform performers.

NOTE Confidence: 0.9862824
00:24:12.015 --> 00:24:13.855 These are valid concerns. I
NOTE Confidence: 0.9862824
00:24:13.855 --> 00:24:15.054 would even say I see
NOTE Confidence: 0.9862824
00:24:15.054 --> 00:24:16.434 that happening in China.
NOTE Confidence: 0.98352504
00:24:16.734 --> 00:24:18.515 Like, China has this performance
NOTE Confidence: 0.98352504
00:24:18.655 --> 00:24:19.155 based
NOTE Confidence: 0.9664627
00:24:19.770 --> 00:24:21.930 system within our national health
NOTE Confidence: 0.9664627
00:24:21.930 --> 00:24:22.590 care system,
NOTE Confidence: 0.99937135
00:24:23.369 --> 00:24:24.830 whether it's for the hospitals
NOTE Confidence: 0.9670293
00:24:25.290 --> 00:24:26.830 or for the public health
NOTE Confidence: 0.9670293
00:24:26.890 --> 00:24:28.910 package, national public health package.
NOTE Confidence: 0.9865571
00:24:29.290 --> 00:24:31.310 And they have very detailed
NOTE Confidence: 0.9865571
00:24:31.450 --> 00:24:32.510 performance measures.
NOTE Confidence: 0.9248927
00:24:33.165 --> 00:24:35.165 That's usually controlled by the,
NOTE Confidence: 0.9248927
00:24:35.485 --> 00:24:36.385 county CDC
NOTE Confidence: 0.94873625
00:24:36.845 --> 00:24:38.285 for the whole county, and
NOTE Confidence: 0.94873625

00:24:38.285 --> 00:24:39.425 then they evaluate
NOTE Confidence: 0.9355009

00:24:40.445 --> 00:24:41.325 the the people and then
NOTE Confidence: 0.9355009

00:24:41.325 --> 00:24:42.605 give them well, having said
NOTE Confidence: 0.9355009

00:24:42.605 --> 00:24:43.645 that, there is the per
NOTE Confidence: 0.9355009

00:24:43.645 --> 00:24:45.325 capita fee for the puppy
NOTE Confidence: 0.9355009

00:24:45.325 --> 00:24:46.225 house plus
NOTE Confidence: 0.9596521

00:24:46.880 --> 00:24:48.480 some fee that is forewarns
NOTE Confidence: 0.9596521

00:24:48.480 --> 00:24:49.680 based. So there is this
NOTE Confidence: 0.9596521

00:24:49.680 --> 00:24:51.780 culture of forewarns based payment
NOTE Confidence: 0.9596521

00:24:51.920 --> 00:24:53.780 in China. So the resistance
NOTE Confidence: 0.95140284

00:24:54.080 --> 00:24:54.980 from the government,
NOTE Confidence: 0.9436143

00:24:55.840 --> 00:24:57.380 officials was low,
NOTE Confidence: 0.98287964

00:24:57.680 --> 00:24:58.880 but I do see a
NOTE Confidence: 0.98287964

00:24:58.880 --> 00:24:59.835 problem with that,
NOTE Confidence: 0.96969575

00:25:00.635 --> 00:25:02.575 that the culture is such.
NOTE Confidence: 0.9489559

00:25:03.355 --> 00:25:05.274 For example, we're designing another

NOTE Confidence: 0.9489559
00:25:05.274 --> 00:25:07.215 study. We're trying to create
NOTE Confidence: 0.9489559
00:25:07.274 --> 00:25:08.794 a culture of, for example,
NOTE Confidence: 0.9489559
00:25:08.794 --> 00:25:09.615 peer leaders
NOTE Confidence: 0.84254766
00:25:09.994 --> 00:25:11.695 or community health volunteers.
NOTE Confidence: 0.9904618
00:25:12.315 --> 00:25:13.674 But the resistance I always
NOTE Confidence: 0.9904618
00:25:13.674 --> 00:25:15.380 get is, will the volunteers
NOTE Confidence: 0.9904618
00:25:15.520 --> 00:25:17.280 be paid? If not, they
NOTE Confidence: 0.9904618
00:25:17.280 --> 00:25:18.340 may not be incentivized.
NOTE Confidence: 0.9834629
00:25:18.960 --> 00:25:20.000 So so there are I
NOTE Confidence: 0.9834629
00:25:20.000 --> 00:25:21.280 mean, I'm not saying China
NOTE Confidence: 0.9834629
00:25:21.280 --> 00:25:22.640 doesn't have a volunteer culture,
NOTE Confidence: 0.9834629
00:25:22.640 --> 00:25:23.680 but I think that's less
NOTE Confidence: 0.9834629
00:25:23.680 --> 00:25:25.280 than some other cultures. And
NOTE Confidence: 0.9834629
00:25:25.280 --> 00:25:27.359 then this room space, payment
NOTE Confidence: 0.9834629
00:25:27.359 --> 00:25:28.260 scheme is,
NOTE Confidence: 0.97985697

00:25:29.075 --> 00:25:30.275 is a double edged sword.
NOTE Confidence: 0.97985697

00:25:30.275 --> 00:25:30.775 Yes.
NOTE Confidence: 0.95409846

00:25:31.555 --> 00:25:33.315 Given our culture, this seems
NOTE Confidence: 0.95409846

00:25:33.315 --> 00:25:34.755 to be working well, and
NOTE Confidence: 0.95409846

00:25:34.755 --> 00:25:35.255 we
NOTE Confidence: 0.9644949

00:25:35.635 --> 00:25:37.715 really designed the indicators for
NOTE Confidence: 0.9644949

00:25:37.715 --> 00:25:39.315 performance to be very simple
NOTE Confidence: 0.9644949

00:25:39.315 --> 00:25:40.435 and is embedded in the
NOTE Confidence: 0.9644949

00:25:40.435 --> 00:25:41.655 app so they could see,
NOTE Confidence: 0.9840976

00:25:42.435 --> 00:25:43.734 etcetera. Yeah.
NOTE Confidence: 0.9555512

00:25:44.880 --> 00:25:46.160 So this is the pilot
NOTE Confidence: 0.9555512

00:25:46.160 --> 00:25:47.200 study we did in the
NOTE Confidence: 0.9555512

00:25:47.200 --> 00:25:48.020 four villages,
NOTE Confidence: 0.9525602

00:25:48.720 --> 00:25:49.119 to,
NOTE Confidence: 0.96925694

00:25:49.920 --> 00:25:51.119 after the design of the
NOTE Confidence: 0.96925694

00:25:51.119 --> 00:25:53.520 intervention to, fur further refine

NOTE Confidence: 0.96925694
00:25:53.520 --> 00:25:54.740 it and tailor it.
NOTE Confidence: 0.9739928
00:25:55.760 --> 00:25:56.260 Some,
NOTE Confidence: 0.9395361
00:25:57.075 --> 00:25:58.515 this is in Chinese. You
NOTE Confidence: 0.9395361
00:25:58.515 --> 00:25:59.554 can't really see it, but
NOTE Confidence: 0.9395361
00:25:59.554 --> 00:26:00.054 basically,
NOTE Confidence: 0.9982826
00:26:00.595 --> 00:26:01.575 it's the monthly
NOTE Confidence: 0.9993542
00:26:01.875 --> 00:26:02.375 follow-up
NOTE Confidence: 0.7460459
00:26:02.835 --> 00:26:03.335 sheet.
NOTE Confidence: 0.9700509
00:26:04.115 --> 00:26:05.715 And, we focus on the
NOTE Confidence: 0.9700509
00:26:05.715 --> 00:26:06.215 medicine,
NOTE Confidence: 0.96686363
00:26:06.755 --> 00:26:08.530 and the physical activity. There
NOTE Confidence: 0.96686363
00:26:08.530 --> 00:26:10.050 is the goal setting and
NOTE Confidence: 0.96686363
00:26:10.050 --> 00:26:11.190 then also reminders,
NOTE Confidence: 0.9840604
00:26:11.890 --> 00:26:13.570 each month. And so each
NOTE Confidence: 0.9840604
00:26:13.570 --> 00:26:14.930 patient gets one sheet per
NOTE Confidence: 0.9840604

00:26:14.930 --> 00:26:16.369 month. So throughout the year,

NOTE Confidence: 0.9840604

00:26:16.369 --> 00:26:17.510 they get twelve sheets,

NOTE Confidence: 0.99401563

00:26:17.970 --> 00:26:19.510 as reminders for them.

NOTE Confidence: 0.9868693

00:26:20.210 --> 00:26:21.330 And this is the APP.

NOTE Confidence: 0.9868693

00:26:21.330 --> 00:26:22.530 The APP is designed to

NOTE Confidence: 0.9868693

00:26:22.530 --> 00:26:23.590 be user friendly.

NOTE Confidence: 0.9634602

00:26:25.325 --> 00:26:27.244 So it's very easy to

NOTE Confidence: 0.9634602

00:26:27.244 --> 00:26:27.744 use,

NOTE Confidence: 0.97705585

00:26:28.285 --> 00:26:30.365 and, we learned. I think

NOTE Confidence: 0.97705585

00:26:30.365 --> 00:26:31.885 it's okay to do that

NOTE Confidence: 0.97705585

00:26:31.885 --> 00:26:33.825 from the WeChat interface.

NOTE Confidence: 0.99014086

00:26:34.525 --> 00:26:36.365 WeChat is this popular social

NOTE Confidence: 0.99014086

00:26:36.365 --> 00:26:36.865 media,

NOTE Confidence: 0.91546804

00:26:37.520 --> 00:26:38.740 sort of like WhatsApp,

NOTE Confidence: 0.9597423

00:26:39.440 --> 00:26:40.100 in China.

NOTE Confidence: 0.99846953

00:26:40.799 --> 00:26:42.159 And then it has multiple

NOTE Confidence: 0.99846953
00:26:42.159 --> 00:26:42.659 functions
NOTE Confidence: 0.95814526
00:26:42.960 --> 00:26:44.159 at the back end, but
NOTE Confidence: 0.95814526
00:26:44.159 --> 00:26:45.440 made it very easy for
NOTE Confidence: 0.95814526
00:26:45.440 --> 00:26:47.220 the users to navigate.
NOTE Confidence: 0.98995954
00:26:49.039 --> 00:26:50.260 So this is some screenshots,
NOTE Confidence: 0.92673224
00:26:51.520 --> 00:26:52.740 of that, APP.
NOTE Confidence: 0.87576103
00:26:53.895 --> 00:26:54.635 We also,
NOTE Confidence: 0.97607
00:26:55.095 --> 00:26:55.595 had
NOTE Confidence: 0.97234964
00:26:58.135 --> 00:26:59.355 ways to design
NOTE Confidence: 0.9251882
00:26:59.815 --> 00:27:00.555 the messages,
NOTE Confidence: 0.87473196
00:27:00.935 --> 00:27:02.535 based on the health belief
NOTE Confidence: 0.87473196
00:27:02.535 --> 00:27:03.755 system, model,
NOTE Confidence: 0.9695514
00:27:04.615 --> 00:27:05.575 as well as,
NOTE Confidence: 0.99945
00:27:06.135 --> 00:27:07.355 focusing on
NOTE Confidence: 0.9963994
00:27:07.735 --> 00:27:08.475 the two
NOTE Confidence: 0.9561724

00:27:10.049 --> 00:27:11.270 evidence based practices,
NOTE Confidence: 0.95585936

00:27:11.650 --> 00:27:13.670 medication adherence and physical activity.
NOTE Confidence: 0.95585936

00:27:13.730 --> 00:27:14.609 There are so many things
NOTE Confidence: 0.95585936

00:27:14.609 --> 00:27:15.830 we could work on,
NOTE Confidence: 0.9394108

00:27:16.290 --> 00:27:17.809 but, we need it really
NOTE Confidence: 0.9394108

00:27:17.809 --> 00:27:18.470 to prioritize
NOTE Confidence: 0.81943387

00:27:18.770 --> 00:27:20.210 to what may generate the
NOTE Confidence: 0.81943387

00:27:20.210 --> 00:27:22.450 larger impact. So these two
NOTE Confidence: 0.81943387

00:27:22.450 --> 00:27:24.285 are what we focus on.
NOTE Confidence: 0.81943387

00:27:24.365 --> 00:27:25.244 I just wanna close your
NOTE Confidence: 0.81943387

00:27:25.244 --> 00:27:26.945 comment. Why didn't you include
NOTE Confidence: 0.81943387

00:27:27.005 --> 00:27:28.545 reducing salt intake?
NOTE Confidence: 0.9988637

00:27:29.325 --> 00:27:30.765 Yes. That's a good question.
NOTE Confidence: 0.9622691

00:27:31.085 --> 00:27:32.605 For this study, we didn't
NOTE Confidence: 0.9622691

00:27:32.605 --> 00:27:33.885 do that. I I I've
NOTE Confidence: 0.9622691

00:27:33.885 --> 00:27:35.405 actually I had many other

NOTE Confidence: 0.9622691

00:27:35.405 --> 00:27:37.005 studies focusing on that. I

NOTE Confidence: 0.9622691

00:27:37.005 --> 00:27:38.260 know. But for for this

NOTE Confidence: 0.9622691

00:27:38.260 --> 00:27:40.020 study, the conscious choice was

NOTE Confidence: 0.9622691

00:27:40.020 --> 00:27:41.300 not to work on education

NOTE Confidence: 0.9622691

00:27:41.540 --> 00:27:43.560 I mean, diet related factors

NOTE Confidence: 0.87200737

00:27:44.180 --> 00:27:44.680 because,

NOTE Confidence: 0.9584112

00:27:46.020 --> 00:27:47.720 it's it's really comp complicated.

NOTE Confidence: 0.9584112

00:27:47.940 --> 00:27:49.400 Not because diet is complicated

NOTE Confidence: 0.9584112

00:27:49.460 --> 00:27:51.065 by itself, but if I

NOTE Confidence: 0.9584112

00:27:51.065 --> 00:27:52.765 add more components to it,

NOTE Confidence: 0.9584112

00:27:52.984 --> 00:27:54.685 it may be too complicated.

NOTE Confidence: 0.9584112

00:27:54.905 --> 00:27:56.765 In indeed, the original proposal

NOTE Confidence: 0.9584112

00:27:56.785 --> 00:27:57.805 included rehabilitation

NOTE Confidence: 0.93046635

00:27:58.505 --> 00:27:59.645 Mhmm. As well,

NOTE Confidence: 0.95791084

00:28:00.345 --> 00:28:01.785 but we decided to cut

NOTE Confidence: 0.95791084

00:28:01.785 --> 00:28:03.225 that part and just focus
NOTE Confidence: 0.95791084

00:28:03.225 --> 00:28:05.085 on the medical and the
NOTE Confidence: 0.95791084

00:28:05.145 --> 00:28:07.559 healthy life lifestyle part. Yeah.
NOTE Confidence: 0.97901523

00:28:08.179 --> 00:28:09.799 So we didn't, choose
NOTE Confidence: 0.9997095

00:28:10.259 --> 00:28:11.559 to have a comprehensive
NOTE Confidence: 0.9987223

00:28:11.859 --> 00:28:12.359 strategy.
NOTE Confidence: 0.9813918

00:28:13.059 --> 00:28:14.580 Having said that, when we
NOTE Confidence: 0.9813918

00:28:14.580 --> 00:28:15.700 build on this and now
NOTE Confidence: 0.9813918

00:28:15.700 --> 00:28:17.859 work in another urban setting,
NOTE Confidence: 0.9813918

00:28:17.859 --> 00:28:19.779 we do have the salt
NOTE Confidence: 0.9813918

00:28:19.779 --> 00:28:20.279 reduction
NOTE Confidence: 0.99923277

00:28:20.659 --> 00:28:21.399 in there.
NOTE Confidence: 0.9957201

00:28:23.595 --> 00:28:24.895 For the long term sustainability,
NOTE Confidence: 0.9835683

00:28:25.675 --> 00:28:27.675 this framework, we didn't, have
NOTE Confidence: 0.9835683

00:28:27.675 --> 00:28:29.355 it at the beginning, but
NOTE Confidence: 0.9835683

00:28:29.355 --> 00:28:31.375 we designed our whole intervention

NOTE Confidence: 0.9835683
00:28:31.435 --> 00:28:33.435 with sustainability and scalability in
NOTE Confidence: 0.9835683
00:28:33.435 --> 00:28:34.875 mind because we don't want
NOTE Confidence: 0.9835683
00:28:34.875 --> 00:28:36.015 it to just be,
NOTE Confidence: 0.9384998
00:28:36.910 --> 00:28:38.290 you know, a one time,
NOTE Confidence: 0.99333906
00:28:38.830 --> 00:28:39.890 kind of effort.
NOTE Confidence: 0.98602086
00:28:40.750 --> 00:28:42.030 But in but having said
NOTE Confidence: 0.98602086
00:28:42.030 --> 00:28:44.450 that, this was investigator initiated,
NOTE Confidence: 0.9603665
00:28:45.550 --> 00:28:46.050 study.
NOTE Confidence: 0.980116
00:28:46.430 --> 00:28:46.930 So,
NOTE Confidence: 0.8666916
00:28:47.630 --> 00:28:48.110 and,
NOTE Confidence: 0.9789865
00:28:49.115 --> 00:28:50.555 as of now, it's not
NOTE Confidence: 0.9789865
00:28:50.555 --> 00:28:51.055 being,
NOTE Confidence: 0.9859005
00:28:51.595 --> 00:28:53.455 scaled up in China.
NOTE Confidence: 0.9552423
00:28:54.075 --> 00:28:55.595 But I'm hoping with our
NOTE Confidence: 0.9552423
00:28:55.595 --> 00:28:56.895 most recent result
NOTE Confidence: 0.921676

00:28:57.275 --> 00:28:58.555 with, one just,
NOTE Confidence: 0.9775289

00:28:58.955 --> 00:29:00.155 published to come out on
NOTE Confidence: 0.9775289

00:29:00.155 --> 00:29:02.075 December thirtieth and another one,
NOTE Confidence: 0.9775289

00:29:02.075 --> 00:29:02.575 hopefully,
NOTE Confidence: 0.8836661

00:29:03.195 --> 00:29:03.695 soon,
NOTE Confidence: 0.9485199

00:29:04.130 --> 00:29:06.230 maybe I will initiate this
NOTE Confidence: 0.9485199

00:29:06.450 --> 00:29:07.890 thing about scaling up in
NOTE Confidence: 0.9485199

00:29:07.890 --> 00:29:09.730 China as well. So we
NOTE Confidence: 0.9485199

00:29:09.730 --> 00:29:10.630 did the,
NOTE Confidence: 0.79624474

00:29:11.330 --> 00:29:11.830 access,
NOTE Confidence: 0.9819295

00:29:12.290 --> 00:29:13.670 assessment on sustainability
NOTE Confidence: 0.9756868

00:29:14.370 --> 00:29:15.190 of the study
NOTE Confidence: 0.98881006

00:29:15.650 --> 00:29:16.630 in this summer
NOTE Confidence: 0.9646081

00:29:16.930 --> 00:29:18.230 according to this framework.
NOTE Confidence: 0.9591727

00:29:19.515 --> 00:29:21.775 So this is the pedal,
NOTE Confidence: 0.9896388

00:29:22.395 --> 00:29:23.455 of the study.

NOTE Confidence: 0.9008951
00:29:24.155 --> 00:29:25.595 The problem we address was
NOTE Confidence: 0.9008951
00:29:25.595 --> 00:29:26.655 the, EBP
NOTE Confidence: 0.9799611
00:29:27.035 --> 00:29:29.055 we adopt, which is mainly
NOTE Confidence: 0.99786943
00:29:29.435 --> 00:29:30.655 the monthly follow-up
NOTE Confidence: 0.9486592
00:29:31.115 --> 00:29:33.515 and medication adherence and physical
NOTE Confidence: 0.9486592
00:29:33.515 --> 00:29:34.015 activity,
NOTE Confidence: 0.93687546
00:29:34.940 --> 00:29:37.080 and and our implementation strategies
NOTE Confidence: 0.93687546
00:29:37.140 --> 00:29:39.480 that addresses the local barriers.
NOTE Confidence: 0.9846965
00:29:40.740 --> 00:29:41.240 And
NOTE Confidence: 0.9851536
00:29:41.620 --> 00:29:43.220 now let's, talk about the
NOTE Confidence: 0.9851536
00:29:43.220 --> 00:29:44.760 evaluation of this intervention.
NOTE Confidence: 0.99867165
00:29:45.140 --> 00:29:46.100 So in terms of the
NOTE Confidence: 0.99867165
00:29:46.100 --> 00:29:47.320 evaluation, the
NOTE Confidence: 0.9386767
00:29:47.674 --> 00:29:49.674 research question as it if
NOTE Confidence: 0.9386767
00:29:49.674 --> 00:29:50.875 we put it into one
NOTE Confidence: 0.9386767

00:29:50.875 --> 00:29:52.335 sentence is this,
NOTE Confidence: 0.9143999

00:29:52.715 --> 00:29:54.015 which is can the,
NOTE Confidence: 0.89573896

00:29:54.715 --> 00:29:56.315 primary health care providers, we
NOTE Confidence: 0.89573896

00:29:56.315 --> 00:29:57.595 call them village doctors in
NOTE Confidence: 0.89573896

00:29:57.595 --> 00:29:58.794 China, they're even if when
NOTE Confidence: 0.89573896

00:29:58.794 --> 00:29:59.835 they are supported by the
NOTE Confidence: 0.89573896

00:29:59.835 --> 00:30:00.335 system
NOTE Confidence: 0.9951777

00:30:00.679 --> 00:30:02.520 and equipped with digital health
NOTE Confidence: 0.9951777

00:30:02.520 --> 00:30:04.140 technology, can they provide
NOTE Confidence: 0.99600613

00:30:04.679 --> 00:30:05.419 the essential,
NOTE Confidence: 0.9993446

00:30:06.200 --> 00:30:07.419 higher quality care
NOTE Confidence: 0.98447585

00:30:07.720 --> 00:30:10.059 and reduce systolic blood pressure?
NOTE Confidence: 0.98447585

00:30:10.280 --> 00:30:11.720 So we have this equal
NOTE Confidence: 0.98447585

00:30:11.720 --> 00:30:12.220 emphasis
NOTE Confidence: 0.9515279

00:30:12.520 --> 00:30:13.740 on two outcomes,
NOTE Confidence: 0.9582483

00:30:14.835 --> 00:30:16.115 which makes it a hybrid

NOTE Confidence: 0.9582483
00:30:16.115 --> 00:30:16.615 two,
NOTE Confidence: 0.8744303
00:30:18.115 --> 00:30:18.615 trial.
NOTE Confidence: 0.9864276
00:30:18.915 --> 00:30:19.875 And many of you are
NOTE Confidence: 0.9864276
00:30:19.875 --> 00:30:21.635 familiar with this. So hybrid
NOTE Confidence: 0.9864276
00:30:21.635 --> 00:30:23.415 one, the primary on effectiveness,
NOTE Confidence: 0.9864276
00:30:23.715 --> 00:30:25.895 hybrid three, primary on implementation,
NOTE Confidence: 0.9864276
00:30:26.115 --> 00:30:27.475 and hybrid two Mhmm. Has
NOTE Confidence: 0.9864276
00:30:27.475 --> 00:30:28.535 this equal emphasis.
NOTE Confidence: 0.95528454
00:30:29.059 --> 00:30:30.740 And in their paper published,
NOTE Confidence: 0.95528454
00:30:30.980 --> 00:30:32.760 by professor Curran et al,
NOTE Confidence: 0.95528454
00:30:32.820 --> 00:30:34.420 and they talk about, what
NOTE Confidence: 0.95528454
00:30:34.420 --> 00:30:35.860 makes it a hybrid two
NOTE Confidence: 0.95528454
00:30:35.860 --> 00:30:37.080 trial. So,
NOTE Confidence: 0.9842623
00:30:38.020 --> 00:30:39.460 skipping over this part, but
NOTE Confidence: 0.9842623
00:30:39.460 --> 00:30:40.420 I think this is more
NOTE Confidence: 0.9842623

00:30:40.420 --> 00:30:40.920 legible.
NOTE Confidence: 0.9690747

00:30:41.615 --> 00:30:43.635 It talks about the conditions
NOTE Confidence: 0.8187772

00:30:44.015 --> 00:30:45.855 of when to adopt a
NOTE Confidence: 0.8187772

00:30:45.855 --> 00:30:47.235 hybrid type two trial.
NOTE Confidence: 0.94887817

00:30:47.535 --> 00:30:48.895 And, for example, it needs
NOTE Confidence: 0.94887817

00:30:48.895 --> 00:30:50.515 to be having strong,
NOTE Confidence: 0.85914

00:30:51.295 --> 00:30:52.195 face validity
NOTE Confidence: 0.9316422

00:30:52.575 --> 00:30:54.015 and a strong base of
NOTE Confidence: 0.9316422

00:30:54.015 --> 00:30:56.190 indirect evidence, a minimal risk,
NOTE Confidence: 0.9316422

00:30:56.350 --> 00:30:57.409 and there is momentum,
NOTE Confidence: 0.9641526

00:30:58.190 --> 00:30:59.070 and it should be,
NOTE Confidence: 0.9934779

00:31:00.269 --> 00:31:00.769 supportable,
NOTE Confidence: 0.95251644

00:31:01.389 --> 00:31:02.769 in terms of the strategies.
NOTE Confidence: 0.95251644

00:31:02.990 --> 00:31:04.909 And, there is reason to
NOTE Confidence: 0.95251644

00:31:04.909 --> 00:31:06.049 gather more data.
NOTE Confidence: 0.9370268

00:31:06.590 --> 00:31:07.490 And the ideal,

NOTE Confidence: 0.969019
00:31:08.029 --> 00:31:09.789 condition is that, there is
NOTE Confidence: 0.969019
00:31:09.789 --> 00:31:10.289 reasonably
NOTE Confidence: 0.9954105
00:31:10.590 --> 00:31:11.090 close
NOTE Confidence: 0.9724045
00:31:11.815 --> 00:31:12.315 evidence,
NOTE Confidence: 0.9983318
00:31:13.095 --> 00:31:14.615 and the overall intervention is
NOTE Confidence: 0.9983318
00:31:14.615 --> 00:31:15.755 not overly complex.
NOTE Confidence: 0.9834622
00:31:16.215 --> 00:31:19.015 So, our cinema trial actually
NOTE Confidence: 0.9834622
00:31:19.015 --> 00:31:21.015 fulfills this requirement. For example,
NOTE Confidence: 0.9834622
00:31:21.015 --> 00:31:22.555 there is strong face validity
NOTE Confidence: 0.9879523
00:31:23.095 --> 00:31:24.235 for both the EBP
NOTE Confidence: 0.9066794
00:31:24.750 --> 00:31:26.290 and the implementation strategy,
NOTE Confidence: 0.99364626
00:31:26.750 --> 00:31:28.510 and the strong indirect evidence
NOTE Confidence: 0.99364626
00:31:28.510 --> 00:31:29.630 actually came from our own
NOTE Confidence: 0.99364626
00:31:29.630 --> 00:31:30.130 study
NOTE Confidence: 0.9517826
00:31:30.510 --> 00:31:32.510 in, rural China and as
NOTE Confidence: 0.9517826

00:31:32.510 --> 00:31:33.650 well as from,
NOTE Confidence: 0.9968374
00:31:34.190 --> 00:31:34.690 Tibet
NOTE Confidence: 0.9865572
00:31:35.150 --> 00:31:35.890 in China.
NOTE Confidence: 0.9926816
00:31:36.430 --> 00:31:37.550 And then there is,
NOTE Confidence: 0.99032146
00:31:38.270 --> 00:31:40.015 low risk in the intervention.
NOTE Confidence: 0.99032146
00:31:40.015 --> 00:31:41.855 We didn't have anything of
NOTE Confidence: 0.99032146
00:31:41.855 --> 00:31:43.295 new drugs or new measures,
NOTE Confidence: 0.99032146
00:31:43.295 --> 00:31:43.795 etcetera.
NOTE Confidence: 0.78344005
00:31:44.735 --> 00:31:46.655 Nothing beyond the implementer, village
NOTE Confidence: 0.78344005
00:31:46.655 --> 00:31:47.135 doctors,
NOTE Confidence: 0.9257755
00:31:47.455 --> 00:31:47.955 capability.
NOTE Confidence: 0.9989899
00:31:48.495 --> 00:31:50.275 And the momentum for implementation
NOTE Confidence: 0.9800949
00:31:50.655 --> 00:31:51.155 was,
NOTE Confidence: 0.9985397
00:31:51.935 --> 00:31:53.955 high at that time when
NOTE Confidence: 0.9985397
00:31:54.095 --> 00:31:55.710 the medical care reform in
NOTE Confidence: 0.9985397
00:31:55.710 --> 00:31:56.210 China

NOTE Confidence: 0.9803491

00:31:56.590 --> 00:31:57.950 was really having this push

NOTE Confidence: 0.9803491

00:31:57.950 --> 00:31:59.790 of strengthening primary care, having

NOTE Confidence: 0.9803491

00:31:59.790 --> 00:32:00.290 hierarchical,

NOTE Confidence: 0.9097788

00:32:01.790 --> 00:32:03.490 health care, and task shifting.

NOTE Confidence: 0.9904571

00:32:04.590 --> 00:32:05.090 And,

NOTE Confidence: 0.9908428

00:32:05.630 --> 00:32:07.470 the institutional support was very

NOTE Confidence: 0.9908428

00:32:07.470 --> 00:32:08.770 strong from provincial,

NOTE Confidence: 0.98953754

00:32:09.485 --> 00:32:11.245 even national level, but more

NOTE Confidence: 0.98953754

00:32:11.245 --> 00:32:12.385 at the local level.

NOTE Confidence: 0.9936929

00:32:13.005 --> 00:32:14.385 And there is equipoise

NOTE Confidence: 0.9618622

00:32:14.685 --> 00:32:16.525 that we don't know the

NOTE Confidence: 0.9618622

00:32:16.525 --> 00:32:18.445 whole intervention package as we

NOTE Confidence: 0.9618622

00:32:18.445 --> 00:32:20.525 design them was effective or

NOTE Confidence: 0.9618622

00:32:20.525 --> 00:32:21.025 not.

NOTE Confidence: 0.9904452

00:32:21.580 --> 00:32:21.980 So,

NOTE Confidence: 0.97238964

00:32:22.620 --> 00:32:23.980 you are familiar with this
NOTE Confidence: 0.97238964

00:32:23.980 --> 00:32:25.500 logic model, like, what do
NOTE Confidence: 0.97238964

00:32:25.500 --> 00:32:27.020 we put in? What do
NOTE Confidence: 0.97238964

00:32:27.020 --> 00:32:28.880 we do? What's the immediate
NOTE Confidence: 0.97238964

00:32:28.940 --> 00:32:30.860 output on the media term
NOTE Confidence: 0.97238964

00:32:30.860 --> 00:32:31.980 outcome and the long term
NOTE Confidence: 0.97238964

00:32:31.980 --> 00:32:33.580 impact? So in terms of
NOTE Confidence: 0.97238964

00:32:33.580 --> 00:32:34.320 our study,
NOTE Confidence: 0.87900555

00:32:35.285 --> 00:32:36.405 this is the logic model
NOTE Confidence: 0.87900555

00:32:36.405 --> 00:32:37.865 for our study is color.
NOTE Confidence: 0.9685761

00:32:38.245 --> 00:32:40.085 The color scheme shows different
NOTE Confidence: 0.9685761

00:32:40.085 --> 00:32:41.125 levels. Like, this is the
NOTE Confidence: 0.9685761

00:32:41.125 --> 00:32:42.505 health care system level,
NOTE Confidence: 0.9926354

00:32:43.285 --> 00:32:44.565 and this is the village
NOTE Confidence: 0.9926354

00:32:44.565 --> 00:32:45.465 doctor level,
NOTE Confidence: 0.96913666

00:32:45.924 --> 00:32:47.765 and this is the patient

NOTE Confidence: 0.96913666
00:32:47.765 --> 00:32:48.265 level,
NOTE Confidence: 0.95928055
00:32:49.830 --> 00:32:51.590 in in a summary. So
NOTE Confidence: 0.95928055
00:32:51.590 --> 00:32:53.270 as we design, in terms
NOTE Confidence: 0.95928055
00:32:53.270 --> 00:32:54.090 of the trial,
NOTE Confidence: 0.9486473
00:32:54.549 --> 00:32:56.570 it's a cluster randomized trial.
NOTE Confidence: 0.934494
00:32:56.870 --> 00:32:58.090 So after we,
NOTE Confidence: 0.9417917
00:33:00.630 --> 00:33:02.730 do the baseline connect collection,
NOTE Confidence: 0.9417917
00:33:02.789 --> 00:33:04.010 then we review
NOTE Confidence: 0.99925333
00:33:04.375 --> 00:33:05.914 the allocation of,
NOTE Confidence: 0.9543261
00:33:06.615 --> 00:33:08.375 the clusters into each groups.
NOTE Confidence: 0.9543261
00:33:08.375 --> 00:33:09.975 This is very important because
NOTE Confidence: 0.9543261
00:33:09.975 --> 00:33:11.654 the for a open label
NOTE Confidence: 0.9543261
00:33:11.654 --> 00:33:12.154 trial,
NOTE Confidence: 0.9307882
00:33:13.174 --> 00:33:15.735 inevitably for complex health intervention
NOTE Confidence: 0.9307882
00:33:15.735 --> 00:33:16.980 like ours, It needs to
NOTE Confidence: 0.9307882

00:33:16.980 --> 00:33:18.100 be open label. There is
NOTE Confidence: 0.9307882

00:33:18.100 --> 00:33:18.900 no way that we can
NOTE Confidence: 0.9307882

00:33:18.900 --> 00:33:19.960 do double blind,
NOTE Confidence: 0.9742742

00:33:20.500 --> 00:33:22.100 but at least it can
NOTE Confidence: 0.9742742

00:33:22.100 --> 00:33:22.840 be concealed
NOTE Confidence: 0.9461792

00:33:23.460 --> 00:33:24.440 for the baseline,
NOTE Confidence: 0.97013235

00:33:26.980 --> 00:33:27.480 measurement.
NOTE Confidence: 0.9643566

00:33:27.860 --> 00:33:29.300 And then, it's in a
NOTE Confidence: 0.9643566

00:33:29.300 --> 00:33:30.740 one to one ratio. So
NOTE Confidence: 0.9643566

00:33:30.740 --> 00:33:31.545 twenty five
NOTE Confidence: 0.9835647

00:33:31.865 --> 00:33:33.705 villages in the intervention, twenty
NOTE Confidence: 0.9835647

00:33:33.705 --> 00:33:35.245 five in control. On average,
NOTE Confidence: 0.99926776

00:33:35.545 --> 00:33:37.805 twenty five patients per cluster
NOTE Confidence: 0.94435817

00:33:38.185 --> 00:33:39.865 of, they're all stroke patients,
NOTE Confidence: 0.94435817

00:33:39.865 --> 00:33:41.165 and we have a quarterly
NOTE Confidence: 0.9907211

00:33:41.465 --> 00:33:44.045 process evaluation, mostly qualitative research.

NOTE Confidence: 0.95493776
00:33:44.400 --> 00:33:45.360 And then in terms of
NOTE Confidence: 0.95493776
00:33:45.360 --> 00:33:47.040 the underlying data collection, it
NOTE Confidence: 0.95493776
00:33:47.040 --> 00:33:47.520 was also,
NOTE Confidence: 0.9617166
00:33:50.000 --> 00:33:51.460 designed to be blinded.
NOTE Confidence: 0.9621408
00:33:52.160 --> 00:33:54.560 Like, the assessors came from
NOTE Confidence: 0.9621408
00:33:54.560 --> 00:33:56.320 a third party, which is
NOTE Confidence: 0.9621408
00:33:56.320 --> 00:33:57.760 the CDC staff from a
NOTE Confidence: 0.9621408
00:33:57.760 --> 00:33:58.260 nearing,
NOTE Confidence: 0.9885646
00:33:58.925 --> 00:34:00.925 neighboring county, not from the
NOTE Confidence: 0.9885646
00:34:00.925 --> 00:34:02.385 intervention county itself.
NOTE Confidence: 0.98998374
00:34:03.005 --> 00:34:04.125 And then they did both
NOTE Confidence: 0.98998374
00:34:04.125 --> 00:34:06.205 the baseline and the end
NOTE Confidence: 0.98998374
00:34:06.205 --> 00:34:06.705 line,
NOTE Confidence: 0.9878952
00:34:07.325 --> 00:34:08.864 according to the same protocol.
NOTE Confidence: 0.9571577
00:34:09.244 --> 00:34:11.244 And from, my observation that
NOTE Confidence: 0.9571577

00:34:11.244 --> 00:34:12.330 they didn't care who who's
NOTE Confidence: 0.9571577

00:34:12.330 --> 00:34:13.370 in the information, who's in
NOTE Confidence: 0.9571577

00:34:13.370 --> 00:34:14.330 the control. We asked them
NOTE Confidence: 0.9571577

00:34:14.330 --> 00:34:15.530 not to ask, and they
NOTE Confidence: 0.9571577

00:34:15.530 --> 00:34:17.130 they just want to do
NOTE Confidence: 0.9571577

00:34:17.130 --> 00:34:18.570 their job, which is the
NOTE Confidence: 0.9571577

00:34:18.570 --> 00:34:19.550 outcome assessment,
NOTE Confidence: 0.8953655

00:34:20.090 --> 00:34:22.170 data, collection and do their
NOTE Confidence: 0.8953655

00:34:22.170 --> 00:34:23.130 job well. Can you come
NOTE Confidence: 0.8953655

00:34:23.130 --> 00:34:24.675 back a second? Mhmm. So
NOTE Confidence: 0.8953655

00:34:24.835 --> 00:34:26.114 my first question is, so
NOTE Confidence: 0.8953655

00:34:26.114 --> 00:34:28.055 this is an individually randomized
NOTE Confidence: 0.8953655

00:34:28.195 --> 00:34:29.315 study or something? It's a
NOTE Confidence: 0.8953655

00:34:29.315 --> 00:34:31.315 cluster randomized trial. Okay. So
NOTE Confidence: 0.8953655

00:34:31.475 --> 00:34:33.395 So twenty five villages into
NOTE Confidence: 0.8953655

00:34:33.395 --> 00:34:33.895 each,

NOTE Confidence: 0.81532407
00:34:34.755 --> 00:34:35.955 three. Okay. Because the way
NOTE Confidence: 0.81532407
00:34:35.955 --> 00:34:36.995 it says it varies, it
NOTE Confidence: 0.81532407
00:34:36.995 --> 00:34:38.695 said six twenty five receiving
NOTE Confidence: 0.8965322
00:34:39.155 --> 00:34:40.215 usual care
NOTE Confidence: 0.8553921
00:34:40.650 --> 00:34:41.150 and,
NOTE Confidence: 0.9317508
00:34:42.170 --> 00:34:43.609 and six twenty five receiving
NOTE Confidence: 0.9317508
00:34:43.609 --> 00:34:44.809 the cinema model. So you
NOTE Confidence: 0.9317508
00:34:44.969 --> 00:34:46.430 So she should have said
NOTE Confidence: 0.9317508
00:34:46.489 --> 00:34:47.930 twenty five versus twenty five.
NOTE Confidence: 0.9317508
00:34:47.930 --> 00:34:48.809 Okay. Yeah. And,
NOTE Confidence: 0.9401255
00:34:49.450 --> 00:34:50.969 because you wouldn't have exactly
NOTE Confidence: 0.9401255
00:34:50.969 --> 00:34:52.250 six twenty five in both
NOTE Confidence: 0.9401255
00:34:52.250 --> 00:34:53.210 groups. You should be in
NOTE Confidence: 0.9401255
00:34:53.210 --> 00:34:54.589 a real study because
NOTE Confidence: 0.94748926
00:34:54.969 --> 00:34:56.170 every village would have a
NOTE Confidence: 0.94748926

00:34:56.170 --> 00:34:57.795 different number of stroke I
NOTE Confidence: 0.94748926

00:34:57.795 --> 00:34:59.315 I don't have exactly six
NOTE Confidence: 0.94748926

00:34:59.315 --> 00:35:00.755 twenty five. Sorry. That's very
NOTE Confidence: 0.94748926

00:35:00.755 --> 00:35:02.275 good catch, Donna. This is
NOTE Confidence: 0.94748926

00:35:02.275 --> 00:35:03.474 wrong. I should have changed
NOTE Confidence: 0.94748926

00:35:03.474 --> 00:35:03.974 it,
NOTE Confidence: 0.9357575

00:35:04.515 --> 00:35:05.015 because,
NOTE Confidence: 0.8966075

00:35:06.755 --> 00:35:08.035 this is the design. I
NOTE Confidence: 0.8966075

00:35:08.035 --> 00:35:09.715 mean, the design also is
NOTE Confidence: 0.8966075

00:35:09.715 --> 00:35:10.835 twenty five versus twenty five.
NOTE Confidence: 0.8966075

00:35:10.835 --> 00:35:12.114 Yeah. Twenty five versus twenty
NOTE Confidence: 0.8966075

00:35:12.114 --> 00:35:13.050 five. I mean, I caught
NOTE Confidence: 0.8966075

00:35:13.050 --> 00:35:14.010 it because this is a
NOTE Confidence: 0.8966075

00:35:14.010 --> 00:35:15.690 main area research in our
NOTE Confidence: 0.8966075

00:35:15.850 --> 00:35:17.930 Yeah. Group looking at Yeah.
NOTE Confidence: 0.8966075

00:35:17.930 --> 00:35:18.890 And I designs and then

NOTE Confidence: 0.8966075
00:35:19.050 --> 00:35:20.010 I should have caught it
NOTE Confidence: 0.8966075
00:35:20.010 --> 00:35:21.530 myself. So that's well, I
NOTE Confidence: 0.8966075
00:35:21.530 --> 00:35:22.890 had another flowchart, but this
NOTE Confidence: 0.8966075
00:35:22.890 --> 00:35:24.570 is a well, yeah. So
NOTE Confidence: 0.8966075
00:35:25.045 --> 00:35:25.545 and
NOTE Confidence: 0.77869844
00:35:25.844 --> 00:35:26.965 I don't think I put
NOTE Confidence: 0.77869844
00:35:26.965 --> 00:35:28.485 in the final flowchart in
NOTE Confidence: 0.77869844
00:35:28.485 --> 00:35:30.085 here. Something that's written like
NOTE Confidence: 0.77869844
00:35:30.085 --> 00:35:30.885 in the back of my
NOTE Confidence: 0.77869844
00:35:30.885 --> 00:35:32.645 chart. Oh, yeah. Sure. Yeah.
NOTE Confidence: 0.7797728
00:35:33.364 --> 00:35:34.165 Can you say a little
NOTE Confidence: 0.7797728
00:35:34.165 --> 00:35:35.045 bit more about what the
NOTE Confidence: 0.7797728
00:35:35.045 --> 00:35:36.965 Morisky Grain Louvain scale and
NOTE Confidence: 0.7797728
00:35:36.965 --> 00:35:38.265 the time jump in Vowetesta?
NOTE Confidence: 0.9427805
00:35:39.630 --> 00:35:41.790 Yeah. So that is the,
NOTE Confidence: 0.99874115

00:35:42.190 --> 00:35:43.170 four item
NOTE Confidence: 0.9746533
00:35:43.549 --> 00:35:44.049 medication
NOTE Confidence: 0.90960866
00:35:44.349 --> 00:35:46.270 adherence scale. And, I'm glad
NOTE Confidence: 0.90960866
00:35:46.510 --> 00:35:47.969 also, I'm glad you asked
NOTE Confidence: 0.90960866
00:35:48.030 --> 00:35:49.549 asked because the more famous
NOTE Confidence: 0.90960866
00:35:49.549 --> 00:35:51.150 one is the eight item,
NOTE Confidence: 0.90960866
00:35:51.150 --> 00:35:51.650 MMAS,
NOTE Confidence: 0.9952007
00:35:52.589 --> 00:35:53.790 which is which needs to
NOTE Confidence: 0.9952007
00:35:53.790 --> 00:35:55.395 be paid. And at Duke
NOTE Confidence: 0.9952007
00:35:55.395 --> 00:35:56.855 University, we were warned
NOTE Confidence: 0.9874704
00:35:57.155 --> 00:35:58.435 that don't use it unless
NOTE Confidence: 0.9874704
00:35:58.435 --> 00:35:59.875 you pay them. Otherwise, even
NOTE Confidence: 0.9874704
00:35:59.875 --> 00:36:01.075 after you publish, you may
NOTE Confidence: 0.9874704
00:36:01.075 --> 00:36:01.975 get into lawsuit.
NOTE Confidence: 0.9956591
00:36:02.435 --> 00:36:02.935 However,
NOTE Confidence: 0.9568847
00:36:03.315 --> 00:36:04.835 this four item one called

NOTE Confidence: 0.9568847
00:36:04.835 --> 00:36:05.335 MGLS
NOTE Confidence: 0.9672953
00:36:06.035 --> 00:36:07.520 is free. So we won't
NOTE Confidence: 0.9672953
00:36:07.520 --> 00:36:08.640 get into trouble. So that's
NOTE Confidence: 0.9672953
00:36:08.640 --> 00:36:09.920 what we did. In terms
NOTE Confidence: 0.9672953
00:36:09.920 --> 00:36:11.040 of the physical function in
NOTE Confidence: 0.9672953
00:36:11.040 --> 00:36:12.420 the time up and go,
NOTE Confidence: 0.9672953
00:36:12.640 --> 00:36:13.540 it's a measure
NOTE Confidence: 0.96552867
00:36:14.000 --> 00:36:16.160 where, we ask them to
NOTE Confidence: 0.96552867
00:36:16.160 --> 00:36:17.760 sit on the chair, and
NOTE Confidence: 0.96552867
00:36:17.760 --> 00:36:19.280 we place a mark three
NOTE Confidence: 0.96552867
00:36:19.280 --> 00:36:21.200 meters away. So we say
NOTE Confidence: 0.96552867
00:36:21.200 --> 00:36:22.480 begin until they stand up
NOTE Confidence: 0.96552867
00:36:22.480 --> 00:36:23.594 and walk three
NOTE Confidence: 0.9303627
00:36:23.895 --> 00:36:24.935 meters. We turn back and
NOTE Confidence: 0.9303627
00:36:24.935 --> 00:36:26.375 sit down. So we time
NOTE Confidence: 0.9303627

00:36:26.375 --> 00:36:28.215 that. So if that is,
NOTE Confidence: 0.9932018

00:36:28.614 --> 00:36:30.695 above fourteen seconds, that means
NOTE Confidence: 0.9932018

00:36:30.695 --> 00:36:32.075 their functioning is not
NOTE Confidence: 0.9824167

00:36:32.455 --> 00:36:34.055 too good in terms of
NOTE Confidence: 0.9824167

00:36:34.055 --> 00:36:34.555 lower.
NOTE Confidence: 0.956717

00:36:35.380 --> 00:36:36.180 Alright. And then in terms
NOTE Confidence: 0.956717

00:36:36.180 --> 00:36:37.700 of adherence then, the scale
NOTE Confidence: 0.956717

00:36:37.700 --> 00:36:39.540 is a self report at
NOTE Confidence: 0.956717

00:36:39.540 --> 00:36:40.760 the level of the patient
NOTE Confidence: 0.956717

00:36:40.980 --> 00:36:42.020 where they just say yes
NOTE Confidence: 0.956717

00:36:42.020 --> 00:36:42.980 or no. They took it
NOTE Confidence: 0.956717

00:36:42.980 --> 00:36:44.180 or they didn't. Yes. And
NOTE Confidence: 0.956717

00:36:44.180 --> 00:36:45.640 there was no other validation.
NOTE Confidence: 0.9331432

00:36:46.020 --> 00:36:47.060 No no pill count and
NOTE Confidence: 0.9331432

00:36:47.219 --> 00:36:48.765 or anything like that. So
NOTE Confidence: 0.9331432

00:36:48.765 --> 00:36:50.364 this is, one of the

NOTE Confidence: 0.9331432

00:36:50.364 --> 00:36:52.305 secondary outcomes we have. Yeah.

NOTE Confidence: 0.9331432

00:36:52.444 --> 00:36:53.964 And then in the follow-up

NOTE Confidence: 0.9331432

00:36:53.964 --> 00:36:55.244 study, we try to have

NOTE Confidence: 0.9331432

00:36:55.244 --> 00:36:57.005 other measures, but still not

NOTE Confidence: 0.9331432

00:36:57.005 --> 00:36:57.505 objective

NOTE Confidence: 0.9310293

00:36:57.805 --> 00:37:00.125 type, but another scale to,

NOTE Confidence: 0.9415113

00:37:00.684 --> 00:37:02.305 to assess medication adherence,

NOTE Confidence: 0.99967635

00:37:02.844 --> 00:37:03.505 which was

NOTE Confidence: 0.9987344

00:37:03.810 --> 00:37:04.310 done

NOTE Confidence: 0.97599834

00:37:04.770 --> 00:37:06.930 in this year. Yeah. In

NOTE Confidence: 0.97599834

00:37:06.930 --> 00:37:07.989 this past summer.

NOTE Confidence: 0.9528433

00:37:09.330 --> 00:37:10.770 So in terms of this

NOTE Confidence: 0.9528433

00:37:10.770 --> 00:37:12.530 implementation outcomes framework, you know,

NOTE Confidence: 0.9528433

00:37:12.530 --> 00:37:14.610 there's implementation outcome, service outcome,

NOTE Confidence: 0.9528433

00:37:14.610 --> 00:37:15.890 and patient outcome. So we

NOTE Confidence: 0.9528433

00:37:15.890 --> 00:37:18.435 try to assess, many of
NOTE Confidence: 0.9528433

00:37:18.734 --> 00:37:20.734 this. So, just quick summaries
NOTE Confidence: 0.9528433

00:37:20.734 --> 00:37:21.234 of,
NOTE Confidence: 0.98722315

00:37:21.695 --> 00:37:23.055 in terms of this trial,
NOTE Confidence: 0.98722315

00:37:23.055 --> 00:37:24.195 the primary outcome,
NOTE Confidence: 0.7546999

00:37:24.734 --> 00:37:25.474 for implementation
NOTE Confidence: 0.99713707

00:37:25.775 --> 00:37:26.675 versus effectiveness
NOTE Confidence: 0.86731386

00:37:27.375 --> 00:37:28.994 and then secondary exploratory.
NOTE Confidence: 0.9874066

00:37:29.710 --> 00:37:30.190 So,
NOTE Confidence: 0.98405045

00:37:30.590 --> 00:37:31.870 at the time of the
NOTE Confidence: 0.98405045

00:37:31.870 --> 00:37:34.050 trial, these outcomes were exploratory,
NOTE Confidence: 0.9845448

00:37:34.590 --> 00:37:36.510 such as recurrence of stroke,
NOTE Confidence: 0.9845448

00:37:36.510 --> 00:37:37.730 mortality, hospitalization.
NOTE Confidence: 0.98916006

00:37:39.150 --> 00:37:40.350 But in the long term
NOTE Confidence: 0.98916006

00:37:40.350 --> 00:37:41.710 follow-up, because we were able
NOTE Confidence: 0.98916006

00:37:41.710 --> 00:37:43.570 to accrue enough events,

NOTE Confidence: 0.9903844

00:37:44.025 --> 00:37:46.025 then, they became primary outcomes

NOTE Confidence: 0.9903844

00:37:46.025 --> 00:37:47.244 for the long term follow-up,

NOTE Confidence: 0.98726106

00:37:50.265 --> 00:37:50.765 like,

NOTE Confidence: 0.9968779

00:37:51.145 --> 00:37:52.204 explained here.

NOTE Confidence: 0.95204794

00:37:53.305 --> 00:37:53.805 So,

NOTE Confidence: 0.97656834

00:37:54.825 --> 00:37:56.184 this is more detail that

NOTE Confidence: 0.97656834

00:37:56.184 --> 00:37:57.464 I'm not gonna spend too

NOTE Confidence: 0.97656834

00:37:57.464 --> 00:37:58.505 much time on. You can

NOTE Confidence: 0.97656834

00:37:58.505 --> 00:37:59.484 see our final,

NOTE Confidence: 0.956612

00:38:00.309 --> 00:38:02.710 patient count. Fifty villages and,

NOTE Confidence: 0.956612

00:38:03.030 --> 00:38:04.809 twelve hundred ninety nine patients.

NOTE Confidence: 0.956612

00:38:04.869 --> 00:38:06.390 So it's not exactly six

NOTE Confidence: 0.956612

00:38:06.390 --> 00:38:07.829 seventy five versus six seventy

NOTE Confidence: 0.956612

00:38:07.829 --> 00:38:08.329 five.

NOTE Confidence: 0.7186297

00:38:10.309 --> 00:38:10.809 Okay.

NOTE Confidence: 0.98303

00:38:11.844 --> 00:38:13.125 One nine one two nine
NOTE Confidence: 0.98303

00:38:13.125 --> 00:38:13.625 nine
NOTE Confidence: 0.9968902

00:38:14.245 --> 00:38:16.185 is the final patient count.
NOTE Confidence: 0.9968902

00:38:16.245 --> 00:38:18.265 So this is a overview
NOTE Confidence: 0.99904025

00:38:18.805 --> 00:38:19.625 of the
NOTE Confidence: 0.7176134

00:38:21.685 --> 00:38:22.185 evaluation,
NOTE Confidence: 0.9410302

00:38:23.125 --> 00:38:25.205 framework, which is mostly the
NOTE Confidence: 0.9410302

00:38:25.205 --> 00:38:27.065 RAIN, but also embedded
NOTE Confidence: 0.96428937

00:38:27.530 --> 00:38:29.390 within the MRC UKMRC
NOTE Confidence: 0.98623854

00:38:29.770 --> 00:38:32.270 process evaluation framework for complex
NOTE Confidence: 0.98623854

00:38:32.410 --> 00:38:32.910 interventions.
NOTE Confidence: 0.9727961

00:38:35.770 --> 00:38:37.130 You can't really read it,
NOTE Confidence: 0.9672699

00:38:37.530 --> 00:38:39.225 and I have another slide,
NOTE Confidence: 0.99805915

00:38:39.705 --> 00:38:41.065 showing it. This is from
NOTE Confidence: 0.99805915

00:38:41.065 --> 00:38:42.605 our process evaluation
NOTE Confidence: 0.92742324

00:38:42.905 --> 00:38:44.445 implementation outcome paper,

NOTE Confidence: 0.9599562

00:38:45.065 --> 00:38:46.185 in terms of quotes and

NOTE Confidence: 0.9599562

00:38:46.185 --> 00:38:47.705 the summary, and this is

NOTE Confidence: 0.9599562

00:38:47.705 --> 00:38:49.305 the RE AIM framework. So

NOTE Confidence: 0.9599562

00:38:49.305 --> 00:38:50.745 in summary, in terms of

NOTE Confidence: 0.9599562

00:38:50.745 --> 00:38:51.245 fidelity,

NOTE Confidence: 0.7499618

00:38:52.665 --> 00:38:54.364 is reasonable, not,

NOTE Confidence: 0.9768735

00:38:55.320 --> 00:38:57.260 perfect, but reasonable. For example,

NOTE Confidence: 0.9893449

00:38:57.560 --> 00:38:58.860 in terms of the training,

NOTE Confidence: 0.9956886

00:38:59.400 --> 00:39:01.400 eighty four percent attended both

NOTE Confidence: 0.9956886

00:39:01.400 --> 00:39:01.900 sessions,

NOTE Confidence: 0.986443

00:39:02.760 --> 00:39:04.840 and, some only attended the

NOTE Confidence: 0.986443

00:39:04.840 --> 00:39:05.580 first one.

NOTE Confidence: 0.9873249

00:39:06.280 --> 00:39:07.960 And on average, they were

NOTE Confidence: 0.9873249

00:39:07.960 --> 00:39:09.800 able to perform the monthly

NOTE Confidence: 0.9873249

00:39:09.800 --> 00:39:10.300 follow-up.

NOTE Confidence: 0.9473869

00:39:11.055 --> 00:39:12.655 And in terms of the
NOTE Confidence: 0.9473869

00:39:12.655 --> 00:39:14.195 messages sent out,
NOTE Confidence: 0.97273135

00:39:14.815 --> 00:39:15.855 I mean, sorry. This is
NOTE Confidence: 0.97273135

00:39:15.855 --> 00:39:17.295 the WeChat message for the
NOTE Confidence: 0.97273135

00:39:17.295 --> 00:39:19.155 village doctors as one way
NOTE Confidence: 0.97273135

00:39:19.454 --> 00:39:19.855 of,
NOTE Confidence: 0.9642822

00:39:20.255 --> 00:39:20.755 support.
NOTE Confidence: 0.9930689

00:39:21.855 --> 00:39:23.135 And for the patients, you
NOTE Confidence: 0.9930689

00:39:23.135 --> 00:39:23.875 can see
NOTE Confidence: 0.950829

00:39:24.719 --> 00:39:26.660 there's eleven percent received
NOTE Confidence: 0.99824476

00:39:27.040 --> 00:39:27.780 less than
NOTE Confidence: 0.9813129

00:39:28.160 --> 00:39:29.219 monthly visit,
NOTE Confidence: 0.96458447

00:39:29.840 --> 00:39:30.660 which means,
NOTE Confidence: 0.959647

00:39:31.200 --> 00:39:31.600 about,
NOTE Confidence: 0.94363594

00:39:32.000 --> 00:39:33.520 eighty nine percent received the
NOTE Confidence: 0.94363594

00:39:33.520 --> 00:39:34.420 monthly visits.

NOTE Confidence: 0.8875162
00:39:34.880 --> 00:39:35.619 And also,
NOTE Confidence: 0.99563485
00:39:36.719 --> 00:39:38.080 in terms of the voice
NOTE Confidence: 0.99563485
00:39:38.080 --> 00:39:40.114 messages though, it was lower.
NOTE Confidence: 0.99563485
00:39:40.114 --> 00:39:40.855 For example,
NOTE Confidence: 0.94954324
00:39:41.875 --> 00:39:42.675 we had,
NOTE Confidence: 0.91628915
00:39:43.474 --> 00:39:44.994 about a little over a
NOTE Confidence: 0.91628915
00:39:44.994 --> 00:39:45.494 quarter
NOTE Confidence: 0.95706123
00:39:46.035 --> 00:39:46.515 who,
NOTE Confidence: 0.9609149
00:39:47.075 --> 00:39:48.435 didn't answer half of the
NOTE Confidence: 0.9609149
00:39:48.435 --> 00:39:50.594 voice messages. Because, basically, the
NOTE Confidence: 0.9609149
00:39:50.594 --> 00:39:52.340 way it worked was that
NOTE Confidence: 0.9609149
00:39:52.400 --> 00:39:54.820 the APP through technical support
NOTE Confidence: 0.9609149
00:39:54.880 --> 00:39:56.080 at the back end can
NOTE Confidence: 0.9609149
00:39:56.080 --> 00:39:57.780 automatically send out the messages
NOTE Confidence: 0.990781
00:39:58.239 --> 00:39:59.060 to the patients.
NOTE Confidence: 0.98800087

00:39:59.920 --> 00:40:01.040 And the time is in
NOTE Confidence: 0.98800087

00:40:01.040 --> 00:40:02.400 the morning when they were
NOTE Confidence: 0.98800087

00:40:02.400 --> 00:40:04.160 usually at home before they
NOTE Confidence: 0.98800087

00:40:04.160 --> 00:40:05.295 go out to work,
NOTE Confidence: 0.9970294

00:40:05.775 --> 00:40:07.395 in the farm. So
NOTE Confidence: 0.97513

00:40:08.094 --> 00:40:09.295 they if they pick up
NOTE Confidence: 0.97513

00:40:09.295 --> 00:40:10.895 this call, then they get
NOTE Confidence: 0.97513

00:40:10.895 --> 00:40:12.835 to hear the message recorded
NOTE Confidence: 0.97513

00:40:12.895 --> 00:40:13.934 for them, and it's a
NOTE Confidence: 0.97513

00:40:13.934 --> 00:40:15.954 one way. There's no interaction.
NOTE Confidence: 0.97614753

00:40:16.734 --> 00:40:18.094 It's not designed to be,
NOTE Confidence: 0.97614753

00:40:18.335 --> 00:40:19.075 so sophisticated.
NOTE Confidence: 0.8499457

00:40:20.415 --> 00:40:20.915 And,
NOTE Confidence: 0.97371244

00:40:22.300 --> 00:40:24.460 the message is usually less
NOTE Confidence: 0.97371244

00:40:24.460 --> 00:40:26.380 than one minute long, so
NOTE Confidence: 0.97371244

00:40:26.380 --> 00:40:28.300 thirty seconds or less, and

NOTE Confidence: 0.97371244
00:40:28.300 --> 00:40:30.000 it's repeated one time
NOTE Confidence: 0.8932029
00:40:30.380 --> 00:40:32.219 in and recorded in, a
NOTE Confidence: 0.8932029
00:40:32.219 --> 00:40:33.040 local dialect,
NOTE Confidence: 0.99802744
00:40:34.140 --> 00:40:35.680 by the wife of our
NOTE Confidence: 0.99802744
00:40:35.875 --> 00:40:37.655 program officer in the country.
NOTE Confidence: 0.9491509
00:40:38.195 --> 00:40:39.555 So if they picked it
NOTE Confidence: 0.9491509
00:40:39.555 --> 00:40:40.295 up, that
NOTE Confidence: 0.98402506
00:40:40.675 --> 00:40:42.275 means they got it. If
NOTE Confidence: 0.98402506
00:40:42.275 --> 00:40:44.035 not, the system will call
NOTE Confidence: 0.98402506
00:40:44.035 --> 00:40:45.795 two more times before eight
NOTE Confidence: 0.98402506
00:40:45.795 --> 00:40:46.295 AM.
NOTE Confidence: 0.9921422
00:40:46.835 --> 00:40:48.355 And then after that, they
NOTE Confidence: 0.9921422
00:40:48.594 --> 00:40:49.715 it will be done for
NOTE Confidence: 0.9921422
00:40:49.715 --> 00:40:51.260 the day. So about a
NOTE Confidence: 0.9921422
00:40:51.260 --> 00:40:53.180 quarter of them didn't receive
NOTE Confidence: 0.9921422

00:40:53.180 --> 00:40:55.020 half. So the fidelity here,
NOTE Confidence: 0.9021778
00:40:55.739 --> 00:40:56.239 is,
NOTE Confidence: 0.9996743
00:40:56.940 --> 00:40:58.719 less than the other measures.
NOTE Confidence: 0.9974534
00:40:59.099 --> 00:41:00.140 So in terms of the
NOTE Confidence: 0.9974534
00:41:00.140 --> 00:41:01.840 summary, we could see,
NOTE Confidence: 0.9993243
00:41:02.619 --> 00:41:02.859 that
NOTE Confidence: 0.90590435
00:41:03.660 --> 00:41:04.640 could you go back?
NOTE Confidence: 0.94264716
00:41:05.285 --> 00:41:06.645 So what I'm wondering is
NOTE Confidence: 0.94264716
00:41:06.645 --> 00:41:07.864 in terms of these fidelity
NOTE Confidence: 0.94264716
00:41:08.085 --> 00:41:08.585 indicators,
NOTE Confidence: 0.93066216
00:41:09.285 --> 00:41:10.725 do you have them, like,
NOTE Confidence: 0.93066216
00:41:10.725 --> 00:41:11.685 do you have them on
NOTE Confidence: 0.93066216
00:41:11.685 --> 00:41:13.605 all privileged doctors and all
NOTE Confidence: 0.93066216
00:41:13.605 --> 00:41:15.225 patients, and how often?
NOTE Confidence: 0.9058791
00:41:16.725 --> 00:41:18.085 That's a good good question,
NOTE Confidence: 0.9058791
00:41:18.085 --> 00:41:19.380 actually. It's a question want

NOTE Confidence: 0.9058791
00:41:19.380 --> 00:41:19.859 to,
NOTE Confidence: 0.9409101
00:41:20.180 --> 00:41:22.579 consult you later on. This
NOTE Confidence: 0.9409101
00:41:22.579 --> 00:41:24.520 is for the intervention religious
NOTE Confidence: 0.9409101
00:41:24.660 --> 00:41:26.339 only, and we have it
NOTE Confidence: 0.9409101
00:41:26.339 --> 00:41:28.020 on all village doctors, all
NOTE Confidence: 0.9409101
00:41:28.020 --> 00:41:29.960 patients in the intervention arm.
NOTE Confidence: 0.9238441
00:41:30.739 --> 00:41:31.380 We don't If you have
NOTE Confidence: 0.9238441
00:41:31.380 --> 00:41:32.420 an alarm, they wouldn't be
NOTE Confidence: 0.9238441
00:41:32.420 --> 00:41:34.279 getting any voice mails Right.
NOTE Confidence: 0.99954176
00:41:34.935 --> 00:41:36.055 Or any of these things.
NOTE Confidence: 0.99954176
00:41:36.055 --> 00:41:37.435 Right? Right. However,
NOTE Confidence: 0.9754715
00:41:37.895 --> 00:41:39.094 there is one thing that
NOTE Confidence: 0.9754715
00:41:39.094 --> 00:41:40.055 we could measure, which is
NOTE Confidence: 0.9754715
00:41:40.055 --> 00:41:41.495 the monthly visit. We ask
NOTE Confidence: 0.9754715
00:41:41.495 --> 00:41:42.155 them. Okay.
NOTE Confidence: 0.9967984

00:41:42.855 --> 00:41:44.295 But, in terms of the
NOTE Confidence: 0.9967984

00:41:44.295 --> 00:41:45.035 other things,
NOTE Confidence: 0.9707197

00:41:45.655 --> 00:41:47.835 the WeChat group, or the
NOTE Confidence: 0.91311723

00:41:48.200 --> 00:41:49.640 voice messages or the APP.
NOTE Confidence: 0.91311723

00:41:49.640 --> 00:41:50.760 They don't talk about that.
NOTE Confidence: 0.91311723

00:41:50.760 --> 00:41:51.800 They don't have it. Yeah.
NOTE Confidence: 0.91311723

00:41:51.800 --> 00:41:53.100 It's gonna be very interesting.
NOTE Confidence: 0.91311723

00:41:53.320 --> 00:41:55.000 Yeah. So, I think for
NOTE Confidence: 0.91311723

00:41:55.000 --> 00:41:55.900 the general
NOTE Confidence: 0.9846577

00:41:56.200 --> 00:41:57.480 outcome, it needs to be
NOTE Confidence: 0.9846577

00:41:57.480 --> 00:41:59.400 across all the clusters and,
NOTE Confidence: 0.9846577

00:41:59.720 --> 00:42:00.940 patients, I think.
NOTE Confidence: 0.9831398

00:42:02.735 --> 00:42:04.035 So this is a summary.
NOTE Confidence: 0.9187292

00:42:04.415 --> 00:42:04.915 They,
NOTE Confidence: 0.9732894

00:42:05.535 --> 00:42:06.594 found that,
NOTE Confidence: 0.9951362

00:42:07.135 --> 00:42:07.635 their

NOTE Confidence: 0.9969275
00:42:08.815 --> 00:42:09.955 knowledge and capability,
NOTE Confidence: 0.9047196
00:42:10.735 --> 00:42:11.555 these enablers
NOTE Confidence: 0.70776564
00:42:11.935 --> 00:42:12.435 being
NOTE Confidence: 0.934094
00:42:12.735 --> 00:42:13.235 improved,
NOTE Confidence: 0.99090815
00:42:13.935 --> 00:42:14.435 and
NOTE Confidence: 0.9910318
00:42:15.730 --> 00:42:17.030 and there is credibility
NOTE Confidence: 0.98029804
00:42:17.330 --> 00:42:18.850 credibility for the top down
NOTE Confidence: 0.98029804
00:42:18.850 --> 00:42:20.050 approach because we work with
NOTE Confidence: 0.98029804
00:42:20.050 --> 00:42:21.989 the government in implementing this.
NOTE Confidence: 0.94333124
00:42:22.610 --> 00:42:23.110 And,
NOTE Confidence: 0.9870289
00:42:23.969 --> 00:42:25.590 in terms of the patient,
NOTE Confidence: 0.7803003
00:42:25.890 --> 00:42:27.730 they perceive benefits of receiving
NOTE Confidence: 0.7803003
00:42:27.730 --> 00:42:29.030 the most voice messages.
NOTE Confidence: 0.74503016
00:42:29.765 --> 00:42:30.665 They appreciated,
NOTE Confidence: 0.9824394
00:42:31.685 --> 00:42:32.425 the content
NOTE Confidence: 0.93313354

00:42:32.725 --> 00:42:33.925 designed to be simple and
NOTE Confidence: 0.93313354

00:42:33.925 --> 00:42:35.525 tailored and give them practical
NOTE Confidence: 0.93313354

00:42:35.525 --> 00:42:37.145 tips, etcetera, and reminders.
NOTE Confidence: 0.68102515

00:42:39.525 --> 00:42:40.025 And,
NOTE Confidence: 0.97740054

00:42:41.045 --> 00:42:42.344 this is the actual flowchart.
NOTE Confidence: 0.97740054

00:42:42.405 --> 00:42:43.125 I did have it. I
NOTE Confidence: 0.97740054

00:42:43.125 --> 00:42:43.625 forgot,
NOTE Confidence: 0.99382466

00:42:44.170 --> 00:42:45.850 because the actual flowchart was
NOTE Confidence: 0.99382466

00:42:45.850 --> 00:42:47.050 meant to show the long
NOTE Confidence: 0.99382466

00:42:47.050 --> 00:42:48.270 term follow-up mostly.
NOTE Confidence: 0.91565144

00:42:49.610 --> 00:42:51.050 So we have one twelve
NOTE Confidence: 0.91565144

00:42:51.130 --> 00:42:52.270 one two nine nine,
NOTE Confidence: 0.9927719

00:42:52.810 --> 00:42:53.790 and this is,
NOTE Confidence: 0.8704265

00:42:54.410 --> 00:42:56.330 three thirty seven, to be
NOTE Confidence: 0.8704265

00:42:56.330 --> 00:42:57.870 exact in the in twenty
NOTE Confidence: 0.8704265

00:42:58.170 --> 00:42:59.150 five. And,

NOTE Confidence: 0.96160185
00:42:59.945 --> 00:43:01.305 the one year follow-up is
NOTE Confidence: 0.96160185
00:43:01.305 --> 00:43:02.685 that, and the two year,
NOTE Confidence: 0.99730605
00:43:03.864 --> 00:43:05.145 and then the long term
NOTE Confidence: 0.99730605
00:43:05.145 --> 00:43:05.645 follow-up,
NOTE Confidence: 0.97390413
00:43:06.425 --> 00:43:08.905 is reported here. Even if
NOTE Confidence: 0.97390413
00:43:08.905 --> 00:43:10.185 they were not, some of
NOTE Confidence: 0.97390413
00:43:10.185 --> 00:43:11.305 them not in the one
NOTE Confidence: 0.97390413
00:43:11.305 --> 00:43:12.665 year follow-up, they could still
NOTE Confidence: 0.97390413
00:43:12.665 --> 00:43:13.860 be followed up later on.
NOTE Confidence: 0.97390413
00:43:14.100 --> 00:43:15.700 And our follow-up rate was
NOTE Confidence: 0.97390413
00:43:15.700 --> 00:43:17.700 very high. It's above ninety
NOTE Confidence: 0.97390413
00:43:17.700 --> 00:43:19.300 five percent of all people
NOTE Confidence: 0.97390413
00:43:19.300 --> 00:43:20.280 who survived.
NOTE Confidence: 0.9975285
00:43:21.860 --> 00:43:23.060 So this is the main
NOTE Confidence: 0.9975285
00:43:23.060 --> 00:43:23.560 result,
NOTE Confidence: 0.9995171

00:43:24.420 --> 00:43:26.840 for the systolic blood pressure.
NOTE Confidence: 0.917181

00:43:27.860 --> 00:43:29.594 It's two busy slides, but
NOTE Confidence: 0.917181

00:43:29.594 --> 00:43:30.415 you can see,
NOTE Confidence: 0.9895226

00:43:31.035 --> 00:43:31.535 here,
NOTE Confidence: 0.9892613

00:43:32.235 --> 00:43:33.455 is the change,
NOTE Confidence: 0.9982877

00:43:34.235 --> 00:43:36.315 by group. The top one
NOTE Confidence: 0.9982877

00:43:36.315 --> 00:43:36.815 is
NOTE Confidence: 0.9468702

00:43:37.675 --> 00:43:38.075 the,
NOTE Confidence: 0.9835072

00:43:38.795 --> 00:43:40.235 control group. The bottom one
NOTE Confidence: 0.9835072

00:43:40.235 --> 00:43:41.594 is the intervention group. You
NOTE Confidence: 0.9835072

00:43:41.594 --> 00:43:42.875 can see the yellow part
NOTE Confidence: 0.9835072

00:43:42.875 --> 00:43:44.100 is the one year of
NOTE Confidence: 0.9835072

00:43:44.260 --> 00:43:45.480 active trial part.
NOTE Confidence: 0.9761778

00:43:45.860 --> 00:43:47.460 There is a large reduction
NOTE Confidence: 0.9761778

00:43:47.460 --> 00:43:48.360 in both groups,
NOTE Confidence: 0.9473945

00:43:48.820 --> 00:43:50.739 including the control group. And

NOTE Confidence: 0.9473945
00:43:50.739 --> 00:43:52.920 then that difference was small.
NOTE Confidence: 0.97185296
00:43:53.380 --> 00:43:55.540 It's being hidden here, only
NOTE Confidence: 0.97185296
00:43:55.540 --> 00:43:56.040 about,
NOTE Confidence: 0.96404856
00:43:56.420 --> 00:43:57.880 two point eight,
NOTE Confidence: 0.9537594
00:43:58.555 --> 00:43:59.614 millimeter mercury,
NOTE Confidence: 0.9830333
00:44:00.075 --> 00:44:02.235 but it's significant for, that
NOTE Confidence: 0.9830333
00:44:02.235 --> 00:44:03.215 lab trial.
NOTE Confidence: 0.99569917
00:44:03.515 --> 00:44:04.255 And then,
NOTE Confidence: 0.95534694
00:44:04.875 --> 00:44:06.075 the long in terms of
NOTE Confidence: 0.95534694
00:44:06.075 --> 00:44:07.594 long term follow-up, you could
NOTE Confidence: 0.95534694
00:44:07.594 --> 00:44:09.375 see both group increased,
NOTE Confidence: 0.9845002
00:44:10.155 --> 00:44:11.055 but the difference,
NOTE Confidence: 0.97195786
00:44:11.435 --> 00:44:12.840 was more or less capped.
NOTE Confidence: 0.97195786
00:44:13.080 --> 00:44:14.120 So you could see the
NOTE Confidence: 0.97195786
00:44:14.120 --> 00:44:15.020 net difference,
NOTE Confidence: 0.9735812

00:44:15.719 --> 00:44:16.920 the result of the test
NOTE Confidence: 0.9735812

00:44:16.920 --> 00:44:18.440 here is is meant to
NOTE Confidence: 0.9735812

00:44:18.440 --> 00:44:20.120 see to show the difference
NOTE Confidence: 0.9735812

00:44:20.120 --> 00:44:20.780 in difference,
NOTE Confidence: 0.9918599

00:44:21.560 --> 00:44:22.700 also here.
NOTE Confidence: 0.9753727

00:44:23.239 --> 00:44:25.340 So it's similar in magnitude,
NOTE Confidence: 0.9753727

00:44:25.480 --> 00:44:26.520 about two point nine or
NOTE Confidence: 0.9753727

00:44:26.520 --> 00:44:28.060 two point eight millimeter mercury.
NOTE Confidence: 0.9731464

00:44:28.364 --> 00:44:29.325 So in terms of the
NOTE Confidence: 0.9731464

00:44:29.325 --> 00:44:30.765 sypholic blood pressure, it was
NOTE Confidence: 0.9731464

00:44:30.765 --> 00:44:31.825 not that high.
NOTE Confidence: 0.99982417

00:44:32.125 --> 00:44:32.625 However,
NOTE Confidence: 0.95249915

00:44:33.485 --> 00:44:34.705 we found that,
NOTE Confidence: 0.99978924

00:44:35.565 --> 00:44:37.344 they are generally consistent
NOTE Confidence: 0.98184824

00:44:38.205 --> 00:44:39.265 across the groups,
NOTE Confidence: 0.99812

00:44:39.725 --> 00:44:42.145 with stronger impacts among women,

NOTE Confidence: 0.9985617

00:44:43.170 --> 00:44:44.630 among lower educated

NOTE Confidence: 0.99392146

00:44:45.010 --> 00:44:46.770 people, among people with lower

NOTE Confidence: 0.99392146

00:44:46.770 --> 00:44:48.450 income. So in other words,

NOTE Confidence: 0.99392146

00:44:48.450 --> 00:44:49.190 our intervention

NOTE Confidence: 0.99897677

00:44:49.650 --> 00:44:50.630 worked better

NOTE Confidence: 0.9440923

00:44:51.089 --> 00:44:52.710 for the more vulnerable group

NOTE Confidence: 0.9440923

00:44:52.930 --> 00:44:53.430 even

NOTE Confidence: 0.9386458

00:44:53.730 --> 00:44:55.890 overall in the resorts limited

NOTE Confidence: 0.9386458

00:44:55.890 --> 00:44:57.270 setting of rural China.

NOTE Confidence: 0.92181367

00:44:58.575 --> 00:45:00.175 And this is but I

NOTE Confidence: 0.92181367

00:45:00.175 --> 00:45:01.055 just wanna look at those

NOTE Confidence: 0.92181367

00:45:01.055 --> 00:45:02.435 p values for interaction

NOTE Confidence: 0.9375071

00:45:03.135 --> 00:45:04.094 because none of them are

NOTE Confidence: 0.9375071

00:45:04.094 --> 00:45:05.075 actually significant.

NOTE Confidence: 0.9981639

00:45:05.455 --> 00:45:06.815 Yeah. So I'm not saying

NOTE Confidence: 0.9981639

00:45:06.815 --> 00:45:08.915 there is interaction. I'm saying
NOTE Confidence: 0.9979876

00:45:09.295 --> 00:45:09.795 that
NOTE Confidence: 0.88903904

00:45:10.440 --> 00:45:10.940 within
NOTE Confidence: 0.9939951

00:45:11.400 --> 00:45:12.219 the subgroups,
NOTE Confidence: 0.9781228

00:45:12.680 --> 00:45:14.680 the intervention effect was stronger
NOTE Confidence: 0.9781228

00:45:14.680 --> 00:45:15.420 in magnitude.
NOTE Confidence: 0.97796726

00:45:15.800 --> 00:45:17.000 I think it's accurate to
NOTE Confidence: 0.97796726

00:45:17.000 --> 00:45:17.800 say it in this way
NOTE Confidence: 0.97796726

00:45:17.800 --> 00:45:19.000 because we really worked hard
NOTE Confidence: 0.97796726

00:45:19.000 --> 00:45:20.300 on how to say it
NOTE Confidence: 0.97796726

00:45:20.359 --> 00:45:21.560 in the paper in this
NOTE Confidence: 0.97796726

00:45:21.560 --> 00:45:23.099 paper that's coming out soon.
NOTE Confidence: 0.9691926

00:45:23.719 --> 00:45:25.957 There is a stronger effect
NOTE Confidence: 0.9691926

00:45:26.209 --> 00:45:29.265 size for the subgroup of
NOTE Confidence: 0.9691926

00:45:29.265 --> 00:45:30.565 more vulnerable subgroups
NOTE Confidence: 0.9941052

00:45:31.425 --> 00:45:32.325 in within

NOTE Confidence: 0.99107707
00:45:33.025 --> 00:45:33.525 that.
NOTE Confidence: 0.94441557
00:45:35.425 --> 00:45:37.265 Yeah. But the injection wasn't
NOTE Confidence: 0.94441557
00:45:37.265 --> 00:45:37.765 significant.
NOTE Confidence: 0.9329777
00:45:42.510 --> 00:45:43.809 And this is the graph
NOTE Confidence: 0.9329777
00:45:44.030 --> 00:45:45.710 for the mortality. And, again,
NOTE Confidence: 0.9329777
00:45:45.710 --> 00:45:46.510 you can see this is
NOTE Confidence: 0.9329777
00:45:46.510 --> 00:45:47.489 the first year,
NOTE Confidence: 0.9973872
00:45:48.109 --> 00:45:49.309 and there is a small
NOTE Confidence: 0.9973872
00:45:49.309 --> 00:45:49.809 separation,
NOTE Confidence: 0.95570034
00:45:50.829 --> 00:45:51.730 but not,
NOTE Confidence: 0.9347219
00:45:52.644 --> 00:45:54.164 and even then, it was
NOTE Confidence: 0.9347219
00:45:54.164 --> 00:45:54.664 significant,
NOTE Confidence: 0.99037474
00:45:54.964 --> 00:45:56.244 but we only had thirty
NOTE Confidence: 0.99037474
00:45:56.244 --> 00:45:56.744 deaths
NOTE Confidence: 0.9661652
00:45:57.125 --> 00:45:59.305 back then for exploratory outcome.
NOTE Confidence: 0.9661652

00:45:59.525 --> 00:46:00.484 But you could see the
NOTE Confidence: 0.9661652

00:46:00.484 --> 00:46:02.404 separation over time was very
NOTE Confidence: 0.9661652

00:46:02.404 --> 00:46:03.285 clear and,
NOTE Confidence: 0.66278976

00:46:03.924 --> 00:46:04.325 if,
NOTE Confidence: 0.9709407

00:46:06.000 --> 00:46:07.540 significant. In a nutshell,
NOTE Confidence: 0.9630708

00:46:08.000 --> 00:46:08.640 it's about,
NOTE Confidence: 0.99018717

00:46:09.120 --> 00:46:10.719 twenty between twenty to thirty
NOTE Confidence: 0.99018717

00:46:10.719 --> 00:46:12.020 percent relative reduction
NOTE Confidence: 0.928881

00:46:12.640 --> 00:46:13.040 in,
NOTE Confidence: 0.9172926

00:46:13.440 --> 00:46:13.940 cardiovascular,
NOTE Confidence: 0.9458854

00:46:14.960 --> 00:46:16.660 mortality or all cause mortality
NOTE Confidence: 0.9458854

00:46:16.800 --> 00:46:17.940 or stroke mortality.
NOTE Confidence: 0.9755778

00:46:19.215 --> 00:46:21.375 So cost effectiveness, I'm skipping
NOTE Confidence: 0.9755778

00:46:21.375 --> 00:46:22.655 over the details of the
NOTE Confidence: 0.9755778

00:46:22.655 --> 00:46:23.155 parameters,
NOTE Confidence: 0.97551554

00:46:24.095 --> 00:46:26.095 and, just to show the

NOTE Confidence: 0.97551554
00:46:26.095 --> 00:46:27.775 summary that is highly cost
NOTE Confidence: 0.97551554
00:46:27.775 --> 00:46:28.275 effective
NOTE Confidence: 0.9643924
00:46:28.735 --> 00:46:29.635 with a,
NOTE Confidence: 0.9769383
00:46:30.335 --> 00:46:32.119 incremental cost effectiveness
NOTE Confidence: 0.8625039
00:46:32.420 --> 00:46:34.500 ratio of, little over eight
NOTE Confidence: 0.8625039
00:46:34.500 --> 00:46:36.039 hundred per quality.
NOTE Confidence: 0.98600703
00:46:36.420 --> 00:46:37.559 And the threshold,
NOTE Confidence: 0.9581692
00:46:38.500 --> 00:46:39.779 for one, or one and
NOTE Confidence: 0.9581692
00:46:39.779 --> 00:46:41.700 a half GDP per capita
NOTE Confidence: 0.9581692
00:46:41.700 --> 00:46:43.319 was over twenty three thousand.
NOTE Confidence: 0.9625597
00:46:43.700 --> 00:46:45.239 So it's highly cost effective.
NOTE Confidence: 0.9980336
00:46:45.940 --> 00:46:46.440 And
NOTE Confidence: 0.9646325
00:46:47.255 --> 00:46:48.775 the figures are blocked, but
NOTE Confidence: 0.9646325
00:46:48.855 --> 00:46:49.355 okay.
NOTE Confidence: 0.9918258
00:46:49.655 --> 00:46:50.155 So,
NOTE Confidence: 0.9718962

00:46:50.614 --> 00:46:51.735 coming to the end, I
NOTE Confidence: 0.9718962

00:46:51.735 --> 00:46:53.435 like to summarize and say,
NOTE Confidence: 0.99116653

00:46:54.135 --> 00:46:55.495 this summary is not in
NOTE Confidence: 0.99116653

00:46:55.495 --> 00:46:56.855 terms of the result, but
NOTE Confidence: 0.99116653

00:46:56.855 --> 00:46:57.755 in terms of,
NOTE Confidence: 0.98968863

00:46:58.535 --> 00:47:00.075 the intervention itself.
NOTE Confidence: 0.99943185

00:47:00.410 --> 00:47:01.310 So the core functions
NOTE Confidence: 0.85043865

00:47:01.690 --> 00:47:03.070 we identify being
NOTE Confidence: 0.9229

00:47:03.370 --> 00:47:05.150 task shifting and task sharing,
NOTE Confidence: 0.9578079

00:47:05.850 --> 00:47:07.710 provider and patient interactions,
NOTE Confidence: 0.93712306

00:47:08.330 --> 00:47:09.390 and the empowerment
NOTE Confidence: 0.9822504

00:47:09.770 --> 00:47:10.590 through different,
NOTE Confidence: 0.9334617

00:47:11.370 --> 00:47:12.750 ways such as training,
NOTE Confidence: 0.9978896

00:47:13.050 --> 00:47:14.110 such as incentives
NOTE Confidence: 0.8096086

00:47:14.410 --> 00:47:15.150 and technology.
NOTE Confidence: 0.9260743

00:47:16.395 --> 00:47:17.695 In terms of the evidence

NOTE Confidence: 0.9260743
00:47:17.755 --> 00:47:18.575 based practices,
NOTE Confidence: 0.9656836
00:47:19.915 --> 00:47:21.375 we focus on these three,
NOTE Confidence: 0.84905034
00:47:22.635 --> 00:47:23.135 follow-up
NOTE Confidence: 0.95233375
00:47:23.675 --> 00:47:25.835 and medication adherence and physical
NOTE Confidence: 0.95233375
00:47:25.835 --> 00:47:27.435 activity. And these are the
NOTE Confidence: 0.95233375
00:47:27.435 --> 00:47:29.855 main implementation strategies of training,
NOTE Confidence: 0.94720143
00:47:30.210 --> 00:47:31.989 incentives, and mobile house technology.
NOTE Confidence: 0.9411438
00:47:32.930 --> 00:47:34.690 So, here is one slide
NOTE Confidence: 0.9411438
00:47:34.690 --> 00:47:35.969 that's in a different scheme
NOTE Confidence: 0.9411438
00:47:35.969 --> 00:47:37.010 because I want to catch
NOTE Confidence: 0.9411438
00:47:37.010 --> 00:47:37.670 your attention.
NOTE Confidence: 0.9620615
00:47:38.210 --> 00:47:39.969 My my, take home message
NOTE Confidence: 0.9620615
00:47:39.969 --> 00:47:40.630 of summary,
NOTE Confidence: 0.99140453
00:47:41.410 --> 00:47:42.545 not based just on this
NOTE Confidence: 0.99140453
00:47:42.545 --> 00:47:43.505 study, but I think it
NOTE Confidence: 0.99140453

00:47:43.505 --> 00:47:44.625 applies to all of the
NOTE Confidence: 0.99140453

00:47:44.625 --> 00:47:46.864 implementation studies we did that,
NOTE Confidence: 0.99140453

00:47:47.105 --> 00:47:48.725 were complex in nature.
NOTE Confidence: 0.99713993

00:47:49.185 --> 00:47:50.565 So the three
NOTE Confidence: 0.96682703

00:47:51.265 --> 00:47:51.765 s,
NOTE Confidence: 0.9759428

00:47:52.545 --> 00:47:54.385 related to the content process
NOTE Confidence: 0.9759428

00:47:54.385 --> 00:47:55.045 and approach
NOTE Confidence: 0.93245554

00:47:55.345 --> 00:47:56.385 in terms of the other
NOTE Confidence: 0.93245554

00:47:56.385 --> 00:47:57.960 two s's I've touched on,
NOTE Confidence: 0.98751765

00:47:58.440 --> 00:47:59.560 saying that even when we're
NOTE Confidence: 0.98751765

00:47:59.560 --> 00:48:01.239 designing it, we hope this
NOTE Confidence: 0.98751765

00:48:01.239 --> 00:48:02.680 is sustainable over time and
NOTE Confidence: 0.98751765

00:48:02.680 --> 00:48:04.140 scalable over space,
NOTE Confidence: 0.94126606

00:48:05.080 --> 00:48:06.380 the designing principles,
NOTE Confidence: 0.9983335

00:48:07.719 --> 00:48:08.940 and the content
NOTE Confidence: 0.98672825

00:48:09.960 --> 00:48:10.940 is undoubtedly

NOTE Confidence: 0.9976707
00:48:11.400 --> 00:48:11.900 complex.
NOTE Confidence: 0.8849734
00:48:12.654 --> 00:48:14.194 It covers multiple levels,
NOTE Confidence: 0.92539394
00:48:14.894 --> 00:48:16.734 patients and village doctors and
NOTE Confidence: 0.92539394
00:48:16.734 --> 00:48:18.015 the system support, and it
NOTE Confidence: 0.92539394
00:48:18.015 --> 00:48:19.375 has technology and all the
NOTE Confidence: 0.92539394
00:48:19.375 --> 00:48:20.275 different strategies.
NOTE Confidence: 0.98341054
00:48:20.654 --> 00:48:21.855 But we should try to
NOTE Confidence: 0.98341054
00:48:21.855 --> 00:48:23.535 keep it simple. And I
NOTE Confidence: 0.98341054
00:48:23.535 --> 00:48:25.055 think some people know what
NOTE Confidence: 0.98341054
00:48:25.055 --> 00:48:25.714 this acronym
NOTE Confidence: 0.87266606
00:48:26.015 --> 00:48:26.515 stand.
NOTE Confidence: 0.5738744
00:48:26.894 --> 00:48:27.394 K?
NOTE Confidence: 0.94155717
00:48:28.560 --> 00:48:29.920 Keep it simple stupid. You
NOTE Confidence: 0.94155717
00:48:29.920 --> 00:48:31.440 know, it's starting from you
NOTE Confidence: 0.94155717
00:48:31.440 --> 00:48:32.640 know, I I I this
NOTE Confidence: 0.94155717

00:48:32.640 --> 00:48:33.840 is a reminder to myself
NOTE Confidence: 0.94155717

00:48:33.840 --> 00:48:34.800 because I tend to make
NOTE Confidence: 0.94155717

00:48:34.800 --> 00:48:36.480 it more complex. I want
NOTE Confidence: 0.94155717

00:48:36.480 --> 00:48:37.680 to pack more into it
NOTE Confidence: 0.94155717

00:48:37.680 --> 00:48:38.800 because I feel, oh, this
NOTE Confidence: 0.94155717

00:48:38.800 --> 00:48:40.239 is needed. The whole clinical
NOTE Confidence: 0.94155717

00:48:40.239 --> 00:48:40.739 guideline
NOTE Confidence: 0.85940945

00:48:41.040 --> 00:48:42.160 is covered so much, but
NOTE Confidence: 0.85940945

00:48:42.160 --> 00:48:44.195 I remind myself constantly.
NOTE Confidence: 0.9966178

00:48:44.655 --> 00:48:46.095 If I don't, I'm being
NOTE Confidence: 0.9966178

00:48:46.095 --> 00:48:46.595 stupid.
NOTE Confidence: 0.9062498

00:48:46.975 --> 00:48:48.415 And the process, we need
NOTE Confidence: 0.9062498

00:48:48.415 --> 00:48:49.875 to have a slim and
NOTE Confidence: 0.9062498

00:48:49.935 --> 00:48:51.715 being streamlined and the approach,
NOTE Confidence: 0.98891956

00:48:52.335 --> 00:48:54.275 with the digital technology, etcetera,
NOTE Confidence: 0.98316455

00:48:54.575 --> 00:48:55.475 to be smart.

NOTE Confidence: 0.90900546
00:48:57.135 --> 00:48:57.635 So
NOTE Confidence: 0.99883175
00:48:59.550 --> 00:49:01.470 the last slide I have,
NOTE Confidence: 0.99897295
00:49:01.870 --> 00:49:02.770 other than the
NOTE Confidence: 0.9440365
00:49:03.070 --> 00:49:04.290 acknowledgments, etcetera,
NOTE Confidence: 0.9845215
00:49:04.590 --> 00:49:04.989 is,
NOTE Confidence: 0.928639
00:49:05.390 --> 00:49:06.610 about sustainability.
NOTE Confidence: 0.98989385
00:49:06.910 --> 00:49:07.950 I said that we're trying
NOTE Confidence: 0.98989385
00:49:07.950 --> 00:49:09.790 to learn how to transfer
NOTE Confidence: 0.98989385
00:49:09.790 --> 00:49:11.070 and adapt to a different
NOTE Confidence: 0.98989385
00:49:11.070 --> 00:49:12.370 setting such as Nepal.
NOTE Confidence: 0.98911923
00:49:12.965 --> 00:49:14.245 In fact, I'm working on
NOTE Confidence: 0.98911923
00:49:14.245 --> 00:49:14.745 the,
NOTE Confidence: 0.67214936
00:49:15.285 --> 00:49:15.785 multimodality
NOTE Confidence: 0.9127452
00:49:16.325 --> 00:49:17.625 NIH grant proposal
NOTE Confidence: 0.98251945
00:49:17.925 --> 00:49:20.265 to focus on, the adaptation
NOTE Confidence: 0.98251945

00:49:20.405 --> 00:49:21.765 to Nepal. So there's a
NOTE Confidence: 0.98251945

00:49:21.765 --> 00:49:23.125 lot more to learn. In
NOTE Confidence: 0.98251945

00:49:23.125 --> 00:49:24.265 terms of sustainability,
NOTE Confidence: 0.9917541

00:49:24.645 --> 00:49:25.545 I think there's,
NOTE Confidence: 0.99912757

00:49:25.844 --> 00:49:26.344 also
NOTE Confidence: 0.98305833

00:49:27.000 --> 00:49:28.520 a lot of studies that
NOTE Confidence: 0.98305833

00:49:28.520 --> 00:49:29.820 we could do in implementation
NOTE Confidence: 0.98305833

00:49:30.040 --> 00:49:30.540 research.
NOTE Confidence: 0.9989624

00:49:30.920 --> 00:49:31.719 I think we need to
NOTE Confidence: 0.9989624

00:49:31.719 --> 00:49:32.219 differentiate
NOTE Confidence: 0.8799592

00:49:32.680 --> 00:49:34.460 as a very simple scheme,
NOTE Confidence: 0.99384475

00:49:34.920 --> 00:49:35.420 differentiate
NOTE Confidence: 0.76742595

00:49:35.719 --> 00:49:37.900 sustainability versus sustained effects.
NOTE Confidence: 0.97245336

00:49:38.200 --> 00:49:39.660 For example, we observed
NOTE Confidence: 0.9216571

00:49:40.114 --> 00:49:41.555 long term outcomes such as
NOTE Confidence: 0.9216571

00:49:41.555 --> 00:49:43.795 mortality reduction, etcetera, but that

NOTE Confidence: 0.9216571
00:49:43.795 --> 00:49:46.035 sustained effect. It's not about
NOTE Confidence: 0.9216571
00:49:46.035 --> 00:49:46.775 the sustainability
NOTE Confidence: 0.9200034
00:49:47.474 --> 00:49:48.295 of the intervention.
NOTE Confidence: 0.93508995
00:49:48.755 --> 00:49:50.035 And the intervention being a
NOTE Confidence: 0.93508995
00:49:50.035 --> 00:49:51.255 bundle or a package,
NOTE Confidence: 0.99815834
00:49:51.635 --> 00:49:52.375 it includes
NOTE Confidence: 0.9992649
00:49:52.869 --> 00:49:53.770 both the implementation
NOTE Confidence: 0.96526545
00:49:54.150 --> 00:49:56.070 strategies and the evidence based
NOTE Confidence: 0.96526545
00:49:56.070 --> 00:49:57.130 practices altogether
NOTE Confidence: 0.98711985
00:49:57.510 --> 00:49:58.810 as the intervention bundle.
NOTE Confidence: 0.98873043
00:49:59.589 --> 00:50:01.510 I think the most important
NOTE Confidence: 0.98873043
00:50:01.510 --> 00:50:02.950 goal for sustainability is for
NOTE Confidence: 0.98873043
00:50:02.950 --> 00:50:03.690 the EBP
NOTE Confidence: 0.94485813
00:50:04.150 --> 00:50:04.905 to go up,
NOTE Confidence: 0.99757165
00:50:05.705 --> 00:50:07.465 so that, the patients can
NOTE Confidence: 0.99757165

00:50:07.465 --> 00:50:08.505 reap the benefits in the
NOTE Confidence: 0.99757165

00:50:08.505 --> 00:50:09.565 long term outcomes.
NOTE Confidence: 0.96358895

00:50:09.864 --> 00:50:11.885 As for the implementation strategies,
NOTE Confidence: 0.96358895

00:50:12.025 --> 00:50:13.145 whether we need that to
NOTE Confidence: 0.96358895

00:50:13.145 --> 00:50:14.344 be so similar or not
NOTE Confidence: 0.96358895

00:50:14.344 --> 00:50:15.465 depends on whether we need
NOTE Confidence: 0.96358895

00:50:15.465 --> 00:50:17.565 it or not. Maybe, hopefully,
NOTE Confidence: 0.9978777

00:50:17.945 --> 00:50:19.325 we don't need that to
NOTE Confidence: 0.9845885

00:50:19.650 --> 00:50:20.529 go on for a long
NOTE Confidence: 0.9845885

00:50:20.529 --> 00:50:22.369 time if the evidence based
NOTE Confidence: 0.9845885

00:50:22.369 --> 00:50:24.170 practices can go on. So
NOTE Confidence: 0.9845885

00:50:24.289 --> 00:50:24.950 which is,
NOTE Confidence: 0.99970704

00:50:25.730 --> 00:50:27.270 the case for our study
NOTE Confidence: 0.9744998

00:50:27.730 --> 00:50:29.809 that, we have, we didn't
NOTE Confidence: 0.9744998

00:50:29.809 --> 00:50:31.270 continue any of the implementation
NOTE Confidence: 0.9744998

00:50:31.569 --> 00:50:32.950 strategies such as training

NOTE Confidence: 0.9434297

00:50:33.569 --> 00:50:35.145 or incentives or technology.

NOTE Confidence: 0.9902146

00:50:35.765 --> 00:50:36.265 But,

NOTE Confidence: 0.99162716

00:50:36.725 --> 00:50:38.405 we have evidence to show

NOTE Confidence: 0.99162716

00:50:38.405 --> 00:50:40.485 that the EBP, which is

NOTE Confidence: 0.99162716

00:50:40.485 --> 00:50:41.305 the interaction,

NOTE Confidence: 0.9332512

00:50:41.925 --> 00:50:43.925 the medication assurance, and physical

NOTE Confidence: 0.9332512

00:50:43.925 --> 00:50:44.425 activity,

NOTE Confidence: 0.9761609

00:50:45.925 --> 00:50:47.385 some of them were kept.

NOTE Confidence: 0.85848767

00:50:48.260 --> 00:50:49.219 So so this is,

NOTE Confidence: 0.9781332

00:50:49.859 --> 00:50:50.359 still,

NOTE Confidence: 0.9284061

00:50:50.820 --> 00:50:52.420 work in progress, and I

NOTE Confidence: 0.9284061

00:50:52.420 --> 00:50:54.339 welcome really feedback if you

NOTE Confidence: 0.9284061

00:50:54.339 --> 00:50:55.859 are interested in sustainability and

NOTE Confidence: 0.9284061

00:50:55.859 --> 00:50:56.359 scalability.

NOTE Confidence: 0.9374555

00:50:57.140 --> 00:50:58.180 And, also, I want to

NOTE Confidence: 0.9374555

00:50:58.180 --> 00:51:00.099 say we didn't explicitly identify
NOTE Confidence: 0.9374555

00:51:00.099 --> 00:51:00.839 our study.
NOTE Confidence: 0.95796746

00:51:01.224 --> 00:51:02.905 And, as a hybrid two
NOTE Confidence: 0.95796746

00:51:02.905 --> 00:51:03.405 trial
NOTE Confidence: 0.99200183

00:51:03.785 --> 00:51:04.605 in the beginning
NOTE Confidence: 0.90256757

00:51:05.464 --> 00:51:06.905 until later on because it
NOTE Confidence: 0.90256757

00:51:07.065 --> 00:51:08.185 this was funded as a
NOTE Confidence: 0.90256757

00:51:08.185 --> 00:51:10.125 health system trial and etcetera.
NOTE Confidence: 0.89488304

00:51:10.905 --> 00:51:12.425 So there even in the
NOTE Confidence: 0.89488304

00:51:12.425 --> 00:51:14.430 professor Kuran's paper, they say,
NOTE Confidence: 0.89488304

00:51:14.510 --> 00:51:15.569 maybe in the grantsmanship,
NOTE Confidence: 0.9550429

00:51:15.869 --> 00:51:17.230 whether it's if it's better
NOTE Confidence: 0.9550429

00:51:17.230 --> 00:51:18.030 for you to say it,
NOTE Confidence: 0.9550429

00:51:18.030 --> 00:51:19.550 then you say it. Otherwise,
NOTE Confidence: 0.9550429

00:51:19.550 --> 00:51:20.589 maybe you focus on the
NOTE Confidence: 0.9550429

00:51:20.589 --> 00:51:22.109 house outcome, which is okay,

NOTE Confidence: 0.9550429
00:51:22.109 --> 00:51:23.170 but you can do
NOTE Confidence: 0.92649436
00:51:23.469 --> 00:51:24.430 do it as a high
NOTE Confidence: 0.92649436
00:51:24.589 --> 00:51:25.969 hybrid type type two.
NOTE Confidence: 0.9987022
00:51:26.750 --> 00:51:27.869 So this is only a
NOTE Confidence: 0.9987022
00:51:27.869 --> 00:51:28.369 partial
NOTE Confidence: 0.5743019
00:51:29.454 --> 00:51:30.675 acknowledgement list,
NOTE Confidence: 0.98684776
00:51:31.135 --> 00:51:32.594 and my email is here.
NOTE Confidence: 0.95548415
00:51:33.135 --> 00:51:35.135 So this is, my talk.
NOTE Confidence: 0.95548415
00:51:35.135 --> 00:51:36.655 I'm sorry I took pretty
NOTE Confidence: 0.95548415
00:51:36.655 --> 00:51:38.415 long. So only limited time
NOTE Confidence: 0.95548415
00:51:38.415 --> 00:51:40.094 for questions, but I'm available
NOTE Confidence: 0.95548415
00:51:40.094 --> 00:51:40.970 here this afternoon.