

1

00:00:01,280 --> 00:00:11,280

This movie was financed by crowdfunding. The content has not been influenced by any organisation with a commercial or political interest in the analysis, management or reporting of issues related to Covid 19.

2

00:00:12,200 --> 00:00:15,520

(intense ambient music)

3

00:00:30,760 --> 00:00:34,920

- COVID-19 arrived in a world already divided by fake news,

4

00:00:34,920 --> 00:00:37,840

alternative facts, conspiracy theories,

5

00:00:37,840 --> 00:00:42,200

all of which were driven by social media, legacy media,

6

00:00:42,200 --> 00:00:44,360

and ignorant politicians,

7

00:00:44,360 --> 00:00:48,0

highly respected scientists
began to be censored.

8

00:00:48,0 --> 00:00:50,720

Now after 18 months of data,

9

00:00:50,720 --> 00:00:54,360

COVID Chronicles can reveal
what actually happened.

10

00:01:04,440 --> 00:01:07,760

(intense ambient music)

11

00:01:11,400 --> 00:01:14,880

- I first met Ivor probably
six, seven years ago

12

00:01:14,880 --> 00:01:18,200

after I released my first
movie "Cereal Killers",

13

00:01:18,200 --> 00:01:20,160

and Ivor was instrumental

14

00:01:20,160 --> 00:01:23,200

in the production of my
last movie, "Extra Time",

15

00:01:23,200 --> 00:01:25,240

which was filmed in Ireland.

16

00:01:25,240 --> 00:01:28,320

And in fact, he ultimately
became a co-producer on that.

17

00:01:31,360 --> 00:01:33,480

I wanna ask you a few personal questions,

18

00:01:33,480 --> 00:01:36,80

obviously everybody has
been following your work.

19

00:01:36,80 --> 00:01:38,40

A lot of people wouldn't have known you

20

00:01:38,40 --> 00:01:39,240

from the whole heart disease.

21

00:01:39,240 --> 00:01:40,520

- Hmm.

- Stuff

22

00:01:40,520 --> 00:01:42,680

that we've all been

involved in for a long time,

23

00:01:42,680 --> 00:01:47,680

but this huge curve ball,

24

00:01:47,920 --> 00:01:51,240

has taken a toll on you and the family?

25

00:01:51,240 --> 00:01:53,40

Talk us through that.

26

00:01:53,40 --> 00:01:54,960

- Not as much as people might think.

27

00:01:54,960 --> 00:01:58,440

So I have a long background

in corporate leadership.

28

00:01:58,440 --> 00:02:01,840

We've gone through some pretty
hellish quality escalations

29

00:02:01,840 --> 00:02:03,280

where people are wondering

30

00:02:03,280 --> 00:02:05,120

if the plant will even close down.

31

00:02:05,120 --> 00:02:06,520

So enormous pressure.

32

00:02:06,520 --> 00:02:09,0

So that helped my corporate career.

33

00:02:09,0 --> 00:02:12,120

And also I've got two
kind of rules if you will,

34

00:02:12,120 --> 00:02:15,80

a two motivators, one is truth in science.

35

00:02:15,80 --> 00:02:17,800

I've always been massively focused on

36

00:02:17,800 --> 00:02:19,400

truth in technical matters.

37

00:02:19,400 --> 00:02:21,560

It's a foible I have, if you will.

38

00:02:21,560 --> 00:02:24,280

The other thing I'm driven

by are my five children.

39

00:02:24,280 --> 00:02:25,800

So myself and my wife are focused

40

00:02:25,800 --> 00:02:27,400

on the future for the children.

41

00:02:27,400 --> 00:02:29,360

I mean, I'll die, we'll all die.

42

00:02:29,360 --> 00:02:31,520

We're interested in the next generation,

43

00:02:31,520 --> 00:02:32,880

and that's a massive motivator.

44

00:02:32,880 --> 00:02:36,520

So when people attack me
over what I'm getting out,

45

00:02:36,520 --> 00:02:38,920

which is truth and science, reality,

46

00:02:38,920 --> 00:02:42,640

it just doesn't bother me
because of my motivations,

47

00:02:43,800 --> 00:02:47,800

they tower over my opponents
in terms of purity if you will,

48

00:02:47,800 --> 00:02:49,520

not to be too righteous here.

49

00:02:49,520 --> 00:02:53,760

- I think people need to
understand that this is you,

50

00:02:53,760 --> 00:02:57,440

you are the team, I mean, you've
built your own studio here

51

00:02:57,440 --> 00:03:01,160

and you've got government agencies

52

00:03:01,160 --> 00:03:04,480

and figures of authority on
the run from your back garden.

53

00:03:04,480 --> 00:03:08,160

You're shooting, you're
researching, you're editing,

54

00:03:08,160 --> 00:03:09,760

that's it?

55

00:03:09,760 --> 00:03:11,160

- Yeah, that's it.

56

00:03:11,160 --> 00:03:13,400

I have no one to delegate to,

57

00:03:13,400 --> 00:03:15,0

a couple of the kids do work

58

00:03:15,0 --> 00:03:16,680

and kind of keep Instagram going

59

00:03:16,680 --> 00:03:18,880

and do various things

for me, but that's it,

60

00:03:18,880 --> 00:03:21,520

I'm primarily a one man show so to speak.

61

00:03:21,520 --> 00:03:25,160

So I do all my own technical

sound, video editing.

62

00:03:25,160 --> 00:03:28,840

I'm just one of those people

who's so technically biased

63

00:03:28,840 --> 00:03:32,280

that I can generally pick

up anything and do it.

64

00:03:32,280 --> 00:03:34,440

And in the technical sphere of research,

65

00:03:34,440 --> 00:03:36,280

I did a biochemical engineering degree,

66

00:03:36,280 --> 00:03:39,560

I worked for nearly 30 years

in complex problem solving

67

00:03:39,560 --> 00:03:43,160

at the highest level,

a master technologist.

68

00:03:43,160 --> 00:03:47,560

So any problem I can go and

get the data and analyze,

69

00:03:47,560 --> 00:03:49,920

you do not need to be a virologist, right?

70

00:03:49,920 --> 00:03:53,0

If you're someone like me
to go and research virology

71

00:03:53,0 --> 00:03:54,120

and look at the data

72

00:03:54,120 --> 00:03:57,560

and make a best case
picture of what's occurring.

73

00:03:57,560 --> 00:04:01,120

Especially though one
thing I do have people,

74

00:04:01,120 --> 00:04:05,40

I have people in virology,
epidemiology, immunology,

75

00:04:05,40 --> 00:04:09,200

all over the world in their
1000s who I'm networked with.

76

00:04:09,200 --> 00:04:12,880

So I always double-check
my research against people

77

00:04:12,880 --> 00:04:15,480

who technically do have the specialty

78

00:04:15,480 --> 00:04:18,40

and that's how I make

sure I'm never wrong.

79

00:04:18,40 --> 00:04:21,0

(upbeat ambient music)

80

00:04:21,0 --> 00:04:23,400

Welcome to the Fat Emperor Podcast.

81

00:04:23,400 --> 00:04:25,120

I'm your host Ivor Cummins.

82

00:04:25,120 --> 00:04:27,640

Huge honor today on the

Fat Emperor Podcast,

83

00:04:27,640 --> 00:04:31,0

we have our first and possibly

only Nobel Prize winner.

84

00:04:31,0 --> 00:04:33,80

I'm here with Dave Feldman today

85

00:04:33,80 --> 00:04:34,480

who many of you will know.

86

00:04:34,480 --> 00:04:37,360

Dr. Paul Mason, you have
a new talk out yesterday.

87

00:04:37,360 --> 00:04:39,920

With none other than Dr. Ron Rosedale.

88

00:04:39,920 --> 00:04:43,560

Dr. Aseem Malhotra, cardiologist from UK.

89

00:04:43,560 --> 00:04:46,160

Dr. Beda Stadler.

90

00:04:46,160 --> 00:04:49,640

- The coronavirus is a
group of viruses that,

91

00:04:49,640 --> 00:04:54,640

and the one we are so scared of, right,

92

00:04:55,560 --> 00:04:58,0

belongs to the betacoronaviruses,

93

00:04:58,0 --> 00:05:02,880

but also these viruses are quite numerous

94

00:05:02,880 --> 00:05:04,560

and we don't know all of them.

95

00:05:04,560 --> 00:05:06,0

Some of them we know.

(intense ambient music)

96

00:05:06,0 --> 00:05:08,0

- The coronaviruses
are a family of viruses

97

00:05:08,960 --> 00:05:12,120

that have been around a
lot longer than us humans.

98

00:05:12,120 --> 00:05:14,560

Although the symptoms may be similar,

99

00:05:14,560 --> 00:05:17,680

the flu is an illness

separate and distinct

100

00:05:17,680 --> 00:05:22,320

caused by the influenza A or B viruses.

101

00:05:22,320 --> 00:05:24,920

The coronavirus family is typically known

102

00:05:24,920 --> 00:05:27,160

as the common cold viruses,

103

00:05:27,160 --> 00:05:30,40

although they may be severe or even fatal

104

00:05:30,40 --> 00:05:33,160

in people with compromised immune systems.

105

00:05:33,160 --> 00:05:38,160

Coronavirus disease, 2019, or COVID-19

106

00:05:38,720 --> 00:05:42,360

is the illness you can

get from the SARS-CoV-2.

107

00:05:43,360 --> 00:05:45,960

- During history of mankind,

108

00:05:45,960 --> 00:05:49,280

but always Coronaviruses

that caused a problem,

109

00:05:49,280 --> 00:05:53,400

and then they mutated,

they become a less harmful,

110

00:05:53,400 --> 00:05:57,400

so they became basically just cold viruses

111

00:05:57,400 --> 00:06:01,240

and then they turn around every winter,

112

00:06:01,240 --> 00:06:05,920

or even during summer,
all around the world.

113

00:06:05,920 --> 00:06:09,240

(intense ambient music)

114

00:06:11,240 --> 00:06:14,120

- I live in Cape town, South Africa,

115

00:06:14,120 --> 00:06:16,680

home to the late great Nelson Mandela,

116

00:06:16,680 --> 00:06:19,800

and also to many of the
world's great wineries,

117

00:06:19,800 --> 00:06:20,880

there are wineries in this region

118

00:06:20,880 --> 00:06:22,840

that are 300 plus years old.

119

00:06:22,840 --> 00:06:26,520

There's a fantastic agri-tourism

business on agriculture.

120

00:06:26,520 --> 00:06:30,80

So it is one of the jewels
in the world of tourism.

121

00:06:30,80 --> 00:06:31,680

Cape Town is consistently voted

122

00:06:31,680 --> 00:06:33,880

one of the top three tourism destinations,

123

00:06:33,880 --> 00:06:35,720

very attractive place to live,

124

00:06:35,720 --> 00:06:38,400

but it has a dark side
because South Africa

125

00:06:38,400 --> 00:06:42,400

is also the most economically
divided country in the world.

126

00:06:58,720 --> 00:07:00,680

I was due to be in Ireland right now

127

00:07:00,680 --> 00:07:03,280

with Ivor to launch our previous movie,

128

00:07:03,280 --> 00:07:05,800

but of course that can no longer happen.

129

00:07:05,800 --> 00:07:08,720

So I decided to track

COVID here in South Africa

130

00:07:08,720 --> 00:07:10,240

because I thought it would be interesting

131

00:07:10,240 --> 00:07:12,360

to see what would happen

in a developing country

132

00:07:12,360 --> 00:07:14,600

versus the Western first world.

133

00:07:19,400 --> 00:07:21,520

(upbeat ambient music)

134

00:07:21,520 --> 00:07:22,600

- Well, I think that

135

00:07:22,600 --> 00:07:24,280

this has certainly got everybody scared.

136

00:07:24,280 --> 00:07:28,200

We should probably compare this
with the seasonal influenza,

137

00:07:28,200 --> 00:07:31,760

which has a case mortality
rate of about 0.1%.

138

00:07:31,760 --> 00:07:35,680

So if we were to try to
do a direct comparison,

139

00:07:35,680 --> 00:07:37,920

you would probably say based
on the South Korean data,

140

00:07:37,920 --> 00:07:39,440

the coronavirus,

141

00:07:39,440 --> 00:07:42,560

the COVID-19 appears to be
about six times more dangerous.

142

00:07:42,560 --> 00:07:45,800

(upbeat ambient music)

143

00:07:49,80 --> 00:07:51,720

- Today I have Dr. Aseem Malhotra

144

00:07:51,720 --> 00:07:53,200

crusading cardiologists

145

00:07:53,200 --> 00:07:55,720

and chairman of the Public
Health Collaboration.

146

00:07:55,720 --> 00:07:58,280

Aseem, what was your initial reaction

147

00:07:58,280 --> 00:08:00,440

to the arrival of COVID-19?

148

00:08:00,440 --> 00:08:03,800

- My initial reaction

was one of grave concern.

149

00:08:03,800 --> 00:08:06,680

By the time that COVID had hit the UK,

150

00:08:06,680 --> 00:08:10,440

I'd already analyzed data that revealed

151

00:08:10,440 --> 00:08:13,480

that the people who are most
vulnerable after the elderly

152

00:08:13,480 --> 00:08:15,480

from complications of COVID-19

153

00:08:15,480 --> 00:08:17,840

were people suffering
from metabolic conditions,

154

00:08:17,840 --> 00:08:21,360

in other words, conditions

related to excess body fat.

155

00:08:21,360 --> 00:08:22,400

And in the UK,

156

00:08:22,400 --> 00:08:26,40

we already knew that 80% of
adults had excess body fat.

157

00:08:26,40 --> 00:08:27,880

So I was very concerned

158

00:08:27,880 --> 00:08:30,200

that we were gonna have a big, big problem

159

00:08:30,200 --> 00:08:32,520

in terms of the morbidity and mortality

160

00:08:32,520 --> 00:08:35,0

in the UK from COVID.

161

00:08:35,0 --> 00:08:38,320

(intense ambient music)

162

00:08:40,400 --> 00:08:42,680

- In the beginning of 2020,

163

00:08:42,680 --> 00:08:45,880

numerous predictions of
the death rate were made

164

00:08:45,880 --> 00:08:50,520

from just a bad flu to
millions of people would die.

165

00:08:50,520 --> 00:08:54,40

(intense ambient music)

166

00:08:54,40 --> 00:08:56,40

The Diamond Princess cruise ship

167

00:08:56,40 --> 00:08:59,0

was quarantined in Yokohama, Japan

168

00:08:59,0 --> 00:09:02,640

from February the fourth
to March 1st, 2020

169

00:09:02,640 --> 00:09:07,640

with 3,711, mostly
elderly people on board.

170

00:09:10,320 --> 00:09:14,440

This incident gave professor
Michael Levitt an opportunity

171

00:09:14,440 --> 00:09:18,800

to formulate a prediction of
the infection and death rates.

172

00:09:18,800 --> 00:09:21,960

- So for most of February, I
was really focused on China

173

00:09:21,960 --> 00:09:23,640

and actually didn't pay a lot of attention

174

00:09:23,640 --> 00:09:27,320

to the Diamond Princess until
my brother brought it up,

175

00:09:27,320 --> 00:09:30,400

I think around the 20th of
February, he's more an alarmist.

176

00:09:30,400 --> 00:09:33,560

I looked at the numbers and at that time

177

00:09:33,560 --> 00:09:38,560

we basically published total
number of people on the ship,

178

00:09:38,720 --> 00:09:41,800

which was around I think, 3,700,

179

00:09:41,800 --> 00:09:46,800

and that about 700 had been infected.

180

00:09:46,880 --> 00:09:48,560

And by the time I wrote my first report

181

00:09:48,560 --> 00:09:51,680

on the Diamond Princess,
there were seven deaths.

182

00:09:51,680 --> 00:09:54,320

So that is a relatively low death rate.

183

00:09:54,320 --> 00:09:56,720

Also, what was true was
on the Diamond Princess,

184

00:09:56,720 --> 00:09:58,880

what I understood is that
they were testing a lot.

185

00:09:58,880 --> 00:10:01,320

They had a testing group on the ship

186

00:10:01,320 --> 00:10:02,920

and people were tested every day,

187

00:10:02,920 --> 00:10:05,720

but the number of
infected never got above,

188

00:10:05,720 --> 00:10:08,280

I think 20%, 700 out of 3,700.

189

00:10:10,120 --> 00:10:13,240

The other thing was,
is that I realized that

190

00:10:13,240 --> 00:10:16,320

if you take a ship and do
a very simple calculation,

191

00:10:16,320 --> 00:10:17,960

you look at the area of the ship

192

00:10:17,960 --> 00:10:21,520

and calculate 4,000 people in that area,

193

00:10:21,520 --> 00:10:23,40

what is the population density?

194

00:10:23,40 --> 00:10:25,960

And it ends up being a
quarter of a million people

195

00:10:25,960 --> 00:10:27,440

per square kilometer.

196

00:10:27,440 --> 00:10:30,400

And that is 40 times the
density of Hong Kong,

197

00:10:30,400 --> 00:10:32,840

which is the densest
place sitting on earth.

198

00:10:32,840 --> 00:10:35,600

So I sort of said, well,
let's assume that this is

199

00:10:35,600 --> 00:10:37,960

an attempt to get everybody infected.

200

00:10:37,960 --> 00:10:41,520

- By February 20th, extensive
testing had confirmed

201

00:10:41,520 --> 00:10:46,520

that 712 passengers were
infected with SARS-CoV-2

202

00:10:47,80 --> 00:10:50,440

of whom, 318 have no symptoms.

203

00:10:50,440 --> 00:10:54,600

Three passengers aged 70 to 79

204

00:10:54,600 --> 00:10:57,800

and four passengers aged 18 to 89

205

00:10:57,800 --> 00:11:01,400

subsequently died with COVID-19.

206

00:11:01,400 --> 00:11:06,320

This implied a population

fatality rate of 0.2%.

207

00:11:06,320 --> 00:11:10,40

- And that is higher than

flu, but it's not that high,

208

00:11:10,40 --> 00:11:12,880

and then we realized that

the population is old.

209

00:11:12,880 --> 00:11:15,960

So it made me realize that

this virus was actually

210

00:11:15,960 --> 00:11:18,0

not growing as fast as it should be.

211

00:11:18,0 --> 00:11:20,200

And I actually asked in this report

212

00:11:20,200 --> 00:11:21,640

a number of questions like,

213

00:11:21,640 --> 00:11:26,640

could prime immunity to

Corona viruses be helping,

214

00:11:26,880 --> 00:11:31,80

is lockdown like in Wuhan

really necessary and so on?

215

00:11:31,80 --> 00:11:33,680

Because my feeling then was very clear

216

00:11:33,680 --> 00:11:38,680

that this virus is behaving

in a relatively benign way.

217

00:11:38,840 --> 00:11:41,960

- So Levitt was looking at around 0.2%

218

00:11:41,960 --> 00:11:43,520

of impact.

- Yeah.

219

00:11:43,520 --> 00:11:45,480

[Stanford Professor] Ioannidis

from antibody studies,

220

00:11:45,480 --> 00:11:47,880

many of them was looking at 0.15.

221

00:11:47,880 --> 00:11:49,680

- Yeah.

- Ferguson was talking

222

00:11:49,680 --> 00:11:51,160

like 0.7.

- Yeah.

223

00:11:51,160 --> 00:11:54,80

- And much higher potentially,

224

00:11:54,80 --> 00:11:57,120

Ioannidis and Levitt

were essentially correct.

225

00:11:57,120 --> 00:11:59,960

(upbeat ambient music)

226

00:11:59,960 --> 00:12:02,120

And that was clear, if you

looked at Diamond Princess,

227

00:12:02,120 --> 00:12:05,120

you knew as soon as Ferguson

published those predictions,

228

00:12:05,120 --> 00:12:07,560

you knew there were out by a factor of 10.

229

00:12:07,560 --> 00:12:08,960

There was no question about it.

230

00:12:08,960 --> 00:12:11,840

And sure enough, Sweden is
a great example of Ferguson

231

00:12:11,840 --> 00:12:16,640

with minimal measures,
there could be 50 to 90,000

232

00:12:16,640 --> 00:12:19,800

would die in 2020 by the summer,

233

00:12:19,800 --> 00:12:23,120

what actually happened
was a few 1000 died.

234

00:12:23,120 --> 00:12:24,800

And you can argue about the figures.

235

00:12:24,800 --> 00:12:27,760

- So there's no, like
in the corporate world,

236

00:12:27,760 --> 00:12:30,160

there would be comeback.

237

00:12:30,160 --> 00:12:32,840

If you're so far out like Graham Leary

238

00:12:32,840 --> 00:12:34,480

has done some great work here in Ireland.

239

00:12:34,480 --> 00:12:36,0

If Graham Leary was to predict

240

00:12:36,0 --> 00:12:38,560

a stock's going to do this and it tanked,

241

00:12:38,560 --> 00:12:41,80

you know, that's not great for his rep.

242

00:12:41,80 --> 00:12:43,960

There doesn't seem to

have been any retribution

243

00:12:43,960 --> 00:12:47,200

for being entirely wide of the marsh here.

244

00:12:47,200 --> 00:12:48,560

- No, there was none.

245

00:12:48,560 --> 00:12:52,280

And I think Ferguson is not
being challenged in the least,

246

00:12:52,280 --> 00:12:55,680

he's not being dealt with
for his insane predictions.

247

00:12:55,680 --> 00:12:58,160

There was a spectator article last year,

248

00:12:58,160 --> 00:12:59,640

and I think it was entitled,

249

00:12:59,640 --> 00:13:02,760

"Six Questions Neil
Ferguson Needs To Answer."

250

00:13:02,760 --> 00:13:04,760

And they went through every
one of his predictions

251

00:13:04,760 --> 00:13:08,640

over the last 10 or 15 years,
foot and mouth, swine flu,

252

00:13:08,640 --> 00:13:11,400

and every one of them
was orders of magnitude

253

00:13:11,400 --> 00:13:12,800

beyond what happened,

254

00:13:12,800 --> 00:13:15,720

but he keeps getting brought
back into the picture.

255

00:13:15,720 --> 00:13:16,800

So in corporate world,

256

00:13:16,800 --> 00:13:21,80

Ferguson would be gone
after his first debacle,

257

00:13:21,80 --> 00:13:22,960

which is back 15 years ago.

258

00:13:22,960 --> 00:13:25,120

Now the other problem with Ferguson is,

259

00:13:25,120 --> 00:13:26,560

he's an Imperial College.

260

00:13:26,560 --> 00:13:31,560

I think a couple of 100

million of contributions

261

00:13:31,760 --> 00:13:34,480

have been made by kind of vaccine linked

262

00:13:34,480 --> 00:13:39,160

and Bill and Melinda Gates

Foundation type outfits.

263

00:13:39,160 --> 00:13:40,760

And it just surprises me

264

00:13:40,760 --> 00:13:44,680

that an organization that's

so massively conflicted

265

00:13:44,680 --> 00:13:48,40

and so hugely gets things wrong

266

00:13:48,40 --> 00:13:50,680

by orders of magnitude over 15 years

267

00:13:50,680 --> 00:13:53,440

continued to be brought front and center

268

00:13:53,440 --> 00:13:54,600

when there's a new problem.

269

00:13:54,600 --> 00:13:56,80

It's quite absurd.

270

00:13:56,80 --> 00:13:59,320

(upbeat ambient music)

271

00:14:03,0 --> 00:14:04,680

- One of the troubles with coronavirus

272

00:14:04,680 --> 00:14:06,760

is it doesn't have a set of symptoms

273

00:14:06,760 --> 00:14:10,240

that allow it to be diagnosed
as a disease in itself.

274

00:14:10,240 --> 00:14:12,160

So the symptoms of coronavirus overlap

275

00:14:12,160 --> 00:14:14,240

with lots of other respiratory diseases.

276

00:14:14,240 --> 00:14:17,40

So in order to identify
something as Coronavirus,

277

00:14:17,40 --> 00:14:19,480

you need to test, which
will identify Coronavirus.

278

00:14:19,480 --> 00:14:22,360

And the test that's been most
widely used is the PCR test,

279

00:14:22,360 --> 00:14:24,720

that stands for

preliminary chain reaction.

280

00:14:24,720 --> 00:14:26,800

So the way that tests work is to amplify

281

00:14:26,800 --> 00:14:30,200

small fragments of genetic
material from the virus

282

00:14:30,200 --> 00:14:33,520

and thereby identify that that
virus is present in a person.

283

00:14:33,520 --> 00:14:35,400

(intense ambient music)

- A PCR test

284

00:14:35,400 --> 00:14:38,600

is performed to detect
the genetic material

285

00:14:38,600 --> 00:14:41,680

of a specific organism, such as a virus.

286

00:14:41,680 --> 00:14:46,160

The test uses a powerful
amplification process

287

00:14:46,160 --> 00:14:49,880

to make the viral DNA
detectable and measurable.

288

00:14:49,880 --> 00:14:53,360

After a certain level,
the test is so powerful

289

00:14:53,360 --> 00:14:55,840

that they can even detect the debris

290

00:14:55,840 --> 00:14:59,720

or remains of a dead virus
long after infection.

291

00:14:59,720 --> 00:15:02,440

- Now unfortunately, this
test is very, very sensitive

292

00:15:02,440 --> 00:15:03,480

and it's very, very sensitive

293

00:15:03,480 --> 00:15:05,40

to exactly how you do the test,

294

00:15:05,40 --> 00:15:06,520

whether it turns out to be positive

295

00:15:06,520 --> 00:15:08,280

or whether it turns out to be negative.

296

00:15:08,280 --> 00:15:10,960

Not only that, but the

media and the government

297

00:15:10,960 --> 00:15:15,200

have conflated the idea of a

case of coronavirus infection

298

00:15:15,200 --> 00:15:16,840

with a positive test.

299

00:15:16,840 --> 00:15:18,880

Now, these are two

completely different things,

300

00:15:18,880 --> 00:15:21,360

in a normal winter, if you have a cold,

301

00:15:21,360 --> 00:15:23,440

you will probably go to work as normal.

302

00:15:23,440 --> 00:15:26,520

If you have a really bad cold,
may be you'll go to your GP,

303

00:15:26,520 --> 00:15:29,120

and maybe they'll suggest you
have a couple of days off.

304

00:15:29,120 --> 00:15:31,520

If you actually seriously
ill enough with your cold

305

00:15:31,520 --> 00:15:34,640

to require admission to
hospital, then you become a case.

306

00:15:34,640 --> 00:15:37,800

Now with coronavirus,
we've suddenly reinvented

307

00:15:37,800 --> 00:15:39,240

the way we're thinking of a disease

308

00:15:39,240 --> 00:15:41,680

in a completely unprecedented way.

309

00:15:41,680 --> 00:15:42,600

In coronavirus,

310

00:15:42,600 --> 00:15:45,200

we've been counting every
single positive test

311

00:15:45,200 --> 00:15:46,960

as a positive case.

312

00:15:46,960 --> 00:15:49,680

Now this is scientifically
and medically wrong.

313

00:15:49,680 --> 00:15:51,400

You can have a positive coronavirus test

314

00:15:51,400 --> 00:15:53,280

and be completely well,

315

00:15:53,280 --> 00:15:54,880

you can have a positive coronavirus test

316

00:15:54,880 --> 00:15:57,560

and be excreting minimal

amounts of the virus.

317

00:15:57,560 --> 00:16:02,440

So to conflate positive tests

with cases is simply wrong,

318

00:16:02,440 --> 00:16:05,440

and yet, the positive

cases have been driving

319

00:16:05,440 --> 00:16:08,760

government policy and the entire panoply

320

00:16:08,760 --> 00:16:10,960

of restrictive actions
that have been taken.

321

00:16:13,80 --> 00:16:18,80

- Yeah, I worry about the cases
that every day are announced

322

00:16:19,680 --> 00:16:24,680

by all our media and everybody
tries to push them up

323

00:16:26,560 --> 00:16:29,40

and they don't come up really,

324

00:16:29,40 --> 00:16:32,520

unless you increase the number of testing.

325

00:16:32,520 --> 00:16:33,840

(upbeat ambient music)

326

00:16:33,840 --> 00:16:37,240

- PCR testing, and I have a
PCR lab, I know the technology,

327

00:16:37,240 --> 00:16:40,560

and this is 90% profit margin.

328

00:16:40,560 --> 00:16:45,80

The raw cost of testing is virtually zero.

329

00:16:45,80 --> 00:16:49,160

So the key producers make
profit, distributors make profit,

330

00:16:49,160 --> 00:16:51,120

laboratories make profit.

331

00:16:51,120 --> 00:16:54,240

And I think this is one of the reasons

332

00:16:54,240 --> 00:16:56,400

why people want to keep this going

333

00:16:56,400 --> 00:16:59,320

because when you have
this huge amount of profit

334

00:16:59,320 --> 00:17:02,680

we just accumulated, you can easily use it

335

00:17:02,680 --> 00:17:06,200

to persuade some of the scientists

336

00:17:06,200 --> 00:17:08,320

and journalists to go your way.

337

00:17:08,440 --> 00:17:13,320

On Jan 13, 2021, the WHO finally
questioned PCR testing accuracy

338

00:17:13,440 --> 00:17:17,840

Reported case rates collapsed
in the US the following day.

339

00:17:23,400 --> 00:17:26,720

(upbeat ambient music)

340

00:17:26,720 --> 00:17:28,800

- Some people actually
said that excess debt,

341

00:17:28,800 --> 00:17:31,240

the term can confuse some people,

342

00:17:31,240 --> 00:17:35,440

even though it seems intuitive
to us, but so excess debt,

343

00:17:35,440 --> 00:17:39,0

if you expect a 1000 deaths
in July, in a given region

344

00:17:39,0 --> 00:17:42,40

and that's normal, and that's
generally what you see,

345

00:17:42,40 --> 00:17:46,400

but you see 1100 this month,

346

00:17:46,400 --> 00:17:50,400

well, that's a 100 excess
deaths over would be expected.

347

00:17:50,400 --> 00:17:53,40

And that's all the term 'excess deaths' means,

348

00:17:53,40 --> 00:17:54,520

and it's completely unbiased

349

00:17:54,520 --> 00:17:56,600

and you can't fudge the figures.

350

00:17:56,600 --> 00:17:57,600

- And you're absolutely right.

351

00:17:57,600 --> 00:17:59,320

The key thing, I mean, you basically,

352

00:17:59,320 --> 00:18:04,40

all the data that you have is
total deaths from all causes.

353

00:18:04,40 --> 00:18:06,760

You don't, even when you say
excess deaths from COVID,

354

00:18:06,760 --> 00:18:08,200

all you're really saying

355

00:18:08,200 --> 00:18:11,160

is excess deaths in the COVID season.

356

00:18:11,160 --> 00:18:13,640

And this is exactly the same technology

357

00:18:13,640 --> 00:18:14,880

that's used for flu seasons,

358

00:18:14,880 --> 00:18:18,280

every single country monitors

excess deaths from flu,

359

00:18:18,280 --> 00:18:21,560

the risk with flu, we are

not doing the PCR testing.

360

00:18:21,560 --> 00:18:24,200

And the only way you can really

tell was it a bad flu year

361

00:18:24,200 --> 00:18:27,760

or a good flu year is how

many extra risks there are

362

00:18:27,760 --> 00:18:29,440

over what you expect.

(intense ambient music)

363

00:18:29,440 --> 00:18:33,760

- To measure the extra deaths
caused by a war or disease,

364

00:18:33,760 --> 00:18:37,320

we must first understand
how many people normally die

365

00:18:37,320 --> 00:18:40,760

in a year for the affected
country or region.

366

00:18:40,760 --> 00:18:42,560

In Ireland for example,

367

00:18:42,560 --> 00:18:45,960

more than 30,000 people die each year

368

00:18:45,960 --> 00:18:49,0

from a population of around 5 million.

369

00:18:49,0 --> 00:18:51,720

Therefore our Ireland's normal death rate

370

00:18:51,720 --> 00:18:56,640

is about 6,300 per million persons.

371

00:18:56,640 --> 00:19:01,80

By calculating the number of
deaths per million persons,

372

00:19:01,80 --> 00:19:04,440

we can accurately compare
the impact of COVID-19

373

00:19:04,440 --> 00:19:07,560

across countries with very
different populations.

374

00:19:07,560 --> 00:19:12,560

India, with a population
of 1.4 billion for example,

375

00:19:12,800 --> 00:19:17,440

has a normal death rate

of 7,300 per million.

376

00:19:18,480 --> 00:19:21,680

- [Male Speaker] Nothing is
more indicative of public health

377

00:19:21,680 --> 00:19:26,240

than, all cause death, and
you know, and populations,

378

00:19:26,240 --> 00:19:29,640

and these data should be
publicly available for everyone,

379

00:19:29,640 --> 00:19:32,640

and I think this is something
which needs to change.

380

00:19:32,640 --> 00:19:33,520

(upbeat ambient music)

381

00:19:33,520 --> 00:19:34,880

- The last paper from Reuters.

382

00:19:34,880 --> 00:19:37,120

I was just wondering if I
could pose this question

383

00:19:37,120 --> 00:19:38,0

to all of you really,

384

00:19:38,0 --> 00:19:41,120

I mean, how confident are we of the data

385

00:19:41,120 --> 00:19:43,120

and how can we really know

386

00:19:43,120 --> 00:19:45,160

whether we understand the
behavior of this illness

387

00:19:45,160 --> 00:19:47,960

when we not necessarily have
a chance to verify that data?

388

00:19:47,960 --> 00:19:49,920

- I think one of the areas

389

00:19:49,920 --> 00:19:53,0

that is going to be increasingly
important going forward

390

00:19:53,0 --> 00:19:56,280

is the data that's used in my view

391

00:19:56,280 --> 00:19:58,680

needs to be open so people can see it,

392

00:19:58,680 --> 00:20:01,640

but it's gonna be incredibly
important as we go into

393

00:20:01,640 --> 00:20:04,120

looking at different areas of outbreak,

394

00:20:04,120 --> 00:20:07,240

incidents and prevalence in
different parts of the country.

395

00:20:07,240 --> 00:20:08,400

Those data, I believe,

396

00:20:08,400 --> 00:20:10,480

need to be there for people
to be able to look at.

397

00:20:10,480 --> 00:20:13,520

- 'Cause some the critique of the science,

398

00:20:13,520 --> 00:20:15,280

which is entirely legitimate,

399

00:20:15,280 --> 00:20:17,920

and we are very faced Patrick and I,

400

00:20:17,920 --> 00:20:19,160

and all of the people involved in this

401

00:20:19,160 --> 00:20:22,760

find the critique from the
academic community very useful.

402

00:20:22,760 --> 00:20:24,960

I mean, the fact is this
is not settled science,

403

00:20:24,960 --> 00:20:27,160

having lots of different
scientific opinions

404

00:20:27,160 --> 00:20:28,760

is actually a helpful thing,

405

00:20:28,760 --> 00:20:31,800

provided it is expressed in a
courteous and scientific way,

406

00:20:31,800 --> 00:20:33,40

rather than just ranting.

407

00:20:33,40 --> 00:20:35,320

There is a bit of ranting
and you can work out

408

00:20:35,320 --> 00:20:36,960

which ones you think fall
into which categories

409

00:20:36,960 --> 00:20:38,960

when you read what you hear.

410

00:20:38,960 --> 00:20:41,600

- Well, yeah, I have done
my fair share of rants,

411

00:20:41,600 --> 00:20:42,880

especially on Twitter,

412

00:20:42,880 --> 00:20:44,680

and especially as this thing progressed

413

00:20:44,680 --> 00:20:47,0

and I became more and
more frustrated with it.

414

00:20:47,0 --> 00:20:48,640

- I know a bug bear for you

415

00:20:48,640 --> 00:20:51,40

has been the censorship of scientists

416

00:20:51,40 --> 00:20:52,800

and perhaps factual science.

- Hmm.

417

00:20:52,800 --> 00:20:55,840

- Again, looking back
through the prism of time,

418

00:20:55,840 --> 00:20:57,680

what are your feelings on that

419

00:20:57,680 --> 00:20:59,520

and where do you think we are today?

420

00:20:59,520 --> 00:21:02,400

- Yeah, that was possibly
the most sinister aspect

421

00:21:02,400 --> 00:21:03,840

of this whole thing.

422

00:21:03,840 --> 00:21:06,280

So you never, ever censor science.

423

00:21:06,280 --> 00:21:09,480

Science progresses through
open debate and discussion.

424

00:21:09,480 --> 00:21:13,200

It's the death of science
when you censor scientists.

425

00:21:13,200 --> 00:21:15,600

So that was actually one of
the most horrifying things

426

00:21:15,600 --> 00:21:17,360

of all that I've witnessed.

427

00:21:17,360 --> 00:21:21,920

And for the first time in
modern democratic free society,

428

00:21:21,920 --> 00:21:24,880

we saw this starting in March, 2020.

429

00:21:24,880 --> 00:21:28,240

(intense ambient music)

430

00:21:36,920 --> 00:21:38,800

- The word on the street in South Africa

431

00:21:38,800 --> 00:21:40,920

was that this was going to cut a swathe

432

00:21:40,920 --> 00:21:43,0

through the informal settlements

433

00:21:43,0 --> 00:21:44,600

and people in the first world

434

00:21:44,600 --> 00:21:49,400

don't really have an appreciation

for how we all live here.

435

00:21:49,400 --> 00:21:51,320

And the fact that you had people

436

00:21:51,320 --> 00:21:53,80

on top of one another sharing water,

437

00:21:53,80 --> 00:21:56,560

50 people sharing a bathroom,

this spelt disaster.

438

00:21:59,160 --> 00:22:00,880

Both the media and the authorities

439

00:22:00,880 --> 00:22:04,120

very quickly started to focus
on the informal settlements

440

00:22:04,120 --> 00:22:08,920

as potential areas of danger
and susceptibility to COVID.

441

00:22:08,920 --> 00:22:11,280

And Khayelitsha as you leave the airport

442

00:22:11,280 --> 00:22:13,600

and drive into the city
center in Cape Town,

443

00:22:13,600 --> 00:22:16,920

it's an informal settlement of
about half a million people.

444

00:22:16,920 --> 00:22:20,200

And this very quickly became ground zero

445

00:22:20,200 --> 00:22:21,800

for the fight against COVID,

446

00:22:21,800 --> 00:22:24,720

I would say on the continent of Africa,

447

00:22:24,720 --> 00:22:26,360

not just South Africa.

448

00:22:30,440 --> 00:22:33,200

(intense ambient music)

449

00:22:33,200 --> 00:22:34,800

- In February, 2020,

450

00:22:34,800 --> 00:22:39,800

the WHO abandoned their own
previous pandemic guidelines.

451

00:22:40,720 --> 00:22:45,360

- COVID-19 is a new virus to
which no one has immunity.

452

00:22:45,360 --> 00:22:50,0

That means more people are
susceptible to infection

453

00:22:50,0 --> 00:22:53,640

and some will suffer severe disease.

454

00:22:53,640 --> 00:22:57,520

- It's not fair to call it a new virus,

455

00:22:57,520 --> 00:23:00,320

you can call it a new member

456

00:23:00,320 --> 00:23:05,160

of the better coronavirus
family, that sounds different,

457

00:23:05,160 --> 00:23:07,880

but it doesn't create a
panic if you say this.

458

00:23:07,880 --> 00:23:11,360

- But this is the biggest single challenge

459

00:23:11,360 --> 00:23:15,440

this country has faced since the war.

460

00:23:15,440 --> 00:23:18,800

(intense ambient music)

461

00:23:33,480 --> 00:23:37,360

- The National Coronavirus Command Council

462

00:23:37,360 --> 00:23:42,360

has decided to enforce
a nationwide lockdown.

463

00:23:46,520 --> 00:23:48,320

- The first lockdown in South Africa

464

00:23:48,320 --> 00:23:50,520

was particularly draconian.

465

00:23:50,520 --> 00:23:53,560

You weren't allowed to buy
things like open-toed sandals,

466

00:23:53,560 --> 00:23:56,560

so no flip flops, the beaches were closed,

467

00:23:56,560 --> 00:23:58,680

there's no alcohol, no tobacco for sale,

468

00:23:58,680 --> 00:24:01,720

it was a 100% shutdown of the economy.

469

00:24:01,720 --> 00:24:04,520

And in a developing nation,

that's got to spell trouble.

470

00:24:06,440 --> 00:24:07,280

Everybody was stunned,

471

00:24:07,280 --> 00:24:10,80

but you couldn't really

relate to people anywhere else

472

00:24:10,80 --> 00:24:11,840

what it was like.

473

00:24:11,840 --> 00:24:13,360

You really had to live it.

474

00:24:13,360 --> 00:24:15,920

- Lockdown, it's something

475

00:24:15,920 --> 00:24:18,520

which I always called a medieval approach.

476

00:24:18,520 --> 00:24:20,320

It's a very blunt approach because,

477

00:24:20,320 --> 00:24:24,80

if you tell people social
distance, you can say, okay,

478

00:24:24,80 --> 00:24:27,760

please don't go closer than
three meters to somebody else.

479

00:24:27,760 --> 00:24:30,400

And then if things get
better, you can say, okay,

480

00:24:30,400 --> 00:24:32,880

you can go to two meters,

one and a half meters.

481

00:24:32,880 --> 00:24:35,920

It's very hard to say how you lockdown,

482

00:24:35,920 --> 00:24:40,240

keep everyone at home in a
way that's soft adjustable.

483

00:24:40,240 --> 00:24:43,0

(upbeat ambient music)

484

00:24:43,0 --> 00:24:43,800

- Take us through this,

485

00:24:43,800 --> 00:24:45,840

I mean, when you've
been doing these updates

486

00:24:45,840 --> 00:24:46,720

throughout the coronavirus thing,

487

00:24:46,720 --> 00:24:48,680

but give us your overall perspective

488

00:24:48,680 --> 00:24:52,240

on where we've come from
and where we are now.

489

00:24:54,0 --> 00:24:56,0

- Yeah, well, big story.

490

00:24:56,0 --> 00:24:58,400

So really starting off,

491

00:24:58,400 --> 00:25:02,760

I was looking firstly
really at the Italian data

492

00:25:02,760 --> 00:25:05,400

and the initial kind of
where Europe got hit,

493

00:25:05,400 --> 00:25:07,320

because China was always questionable.

494

00:25:07,320 --> 00:25:08,920

You know, we weren't really sure.

495

00:25:08,920 --> 00:25:10,960

And when Italy started getting hit,

496

00:25:10,960 --> 00:25:12,680

I was looking at the numbers

497

00:25:12,680 --> 00:25:15,880

and it seemed to me that

they hadn't prepared.

498

00:25:15,880 --> 00:25:18,40

I had been saying publicly

499

00:25:18,40 --> 00:25:21,160

that this is going to come, right?

500

00:25:21,160 --> 00:25:22,800

Italy seeing cases,

501

00:25:22,800 --> 00:25:26,840

so why aren't we protecting

the most at risk,

502

00:25:26,840 --> 00:25:29,480

like the care homes, the elderly,

503

00:25:29,480 --> 00:25:33,80

and then of course, just

taking a bird's eye view,

504

00:25:33,80 --> 00:25:35,240

when the deaths started really happening

505

00:25:35,240 --> 00:25:38,400

in each of the countries, then

they began to do lockdowns.

506

00:25:38,400 --> 00:25:40,840

And that's where I said, hold on a minute,

507

00:25:40,840 --> 00:25:44,240

the distancing will make a

difference, the lockdown,

508

00:25:44,240 --> 00:25:46,360

because it's gonna be

so prevalent already,

509

00:25:46,360 --> 00:25:48,320

it's not gonna make much extra difference.

510

00:25:48,320 --> 00:25:49,280

And now you're gonna get

511

00:25:49,280 --> 00:25:52,160

all the negative impacts with no payback.

512

00:25:52,160 --> 00:25:53,80

You know?

513

00:25:53,80 --> 00:25:54,800

So that was kind of a

bird's eye level view

514

00:25:54,800 --> 00:25:56,480

before I went through it.

515

00:25:56,480 --> 00:25:57,360

In March,

516

00:25:57,360 --> 00:25:59,0

(upbeat ambient music)

I interviewed Tucker Goodrich.

517

00:25:59,0 --> 00:26:03,320

- Lockdown and quarantine

is an effective mitigation

518

00:26:03,320 --> 00:26:05,840

when nobody's infected, right?

519

00:26:05,840 --> 00:26:08,800

I mean, they knew this in medieval times,

520

00:26:08,800 --> 00:26:12,0

if the plague is around,

you draw up the drawbridge

521

00:26:12,0 --> 00:26:14,320

and don't let anybody into your city.

522

00:26:14,320 --> 00:26:16,560

And you know, I mean,

523

00:26:16,560 --> 00:26:17,960

obviously if you're not in contact

524

00:26:17,960 --> 00:26:18,960

with anybody who's infected,

525

00:26:18,960 --> 00:26:21,0

you're not gonna get the disease.

526

00:26:21,0 --> 00:26:22,360

That's pretty basic.

527

00:26:22,360 --> 00:26:25,640

The problem is if you look
at those interventions,

528

00:26:25,640 --> 00:26:29,320

once you have the disease
already in a population,

529

00:26:29,320 --> 00:26:32,560

especially a disease that's
as infectious than this,

530

00:26:32,560 --> 00:26:35,360

it's not an effective intervention.

531

00:26:35,360 --> 00:26:36,680

And that's what the literature shows

532

00:26:36,680 --> 00:26:41,680

going all the way back to,

I found a paper from 19,

533

00:26:41,760 --> 00:26:42,640

not even a paper,

534

00:26:42,640 --> 00:26:47,320

a textbook on communicable

diseases from 1948 that said,

535

00:26:47,320 --> 00:26:50,480

it just doesn't work once the

diseases in your population.

536

00:26:50,480 --> 00:26:52,240

(upbeat ambient music)

537

00:26:52,240 --> 00:26:55,200

- So the numbers were
telling us what we felt

538

00:26:55,200 --> 00:26:57,40

that the lockdown was too late,

539

00:26:57,40 --> 00:26:59,680

and wouldn't add much more.

540

00:26:59,680 --> 00:27:03,40

But since then, what have we got?

541

00:27:03,40 --> 00:27:05,680

We've got the orthodoxy, the media,

542

00:27:05,680 --> 00:27:09,120

and all of the experts telling
us that lockdowns are great

543

00:27:09,120 --> 00:27:10,880

and we need to keep going.

544

00:27:10,880 --> 00:27:13,0

None of them that I can see

545

00:27:13,0 --> 00:27:16,80

have done any analysis of the data.

546

00:27:16,80 --> 00:27:17,520

It's just faith-based.

547

00:27:17,520 --> 00:27:21,120

And a week later, a few days ago,

548

00:27:21,120 --> 00:27:23,160

the Israel prime minister announced

549

00:27:23,160 --> 00:27:24,880

pretty much the end of the lockdown

550

00:27:24,880 --> 00:27:27,240

and kids can even see their grandparents.

551

00:27:27,240 --> 00:27:29,40

How can you have a lockdown

552

00:27:29,40 --> 00:27:31,640

which in Israel was very
severe for five weeks,

553

00:27:31,640 --> 00:27:34,680

still have loads of
prevalence of the virus

554

00:27:34,680 --> 00:27:36,280

and then stop doing it?

555

00:27:36,280 --> 00:27:38,400

I mean, what did the lockdown do

556

00:27:38,400 --> 00:27:39,480

if you can just stop doing it

557

00:27:39,480 --> 00:27:41,720

and you're not worried about it going up?

558

00:27:41,720 --> 00:27:43,320

- Exactly.

- So I'd say

559

00:27:43,320 --> 00:27:46,120

there's myriad points now, not proof,

560

00:27:46,120 --> 00:27:50,80

but myriad points and many professors

561

00:27:50,80 --> 00:27:52,200

who are saying what we're saying,

562

00:27:52,200 --> 00:27:55,960

that the lockdown doesn't

add to smart distancing,

563

00:27:55,960 --> 00:27:58,280

but no one wants to hear that.

564

00:27:58,280 --> 00:27:59,920

- The main strategy would have been

565

00:27:59,920 --> 00:28:02,680

to protect the vulnerable people,

566

00:28:02,680 --> 00:28:05,640

and every country who doesn't do it,

567

00:28:05,640 --> 00:28:09,160

pays the price now in mortality.

568

00:28:09,160 --> 00:28:12,480

(intense ambient music)

569

00:28:19,280 --> 00:28:22,600

- Another risk is that
recessions kill people.

570

00:28:22,600 --> 00:28:25,440

When there's a recession,
the death rate goes up,

571

00:28:25,440 --> 00:28:29,280

the life expectancy goes
down by more than a month.

572

00:28:29,280 --> 00:28:30,800

So a hard recession

573

00:28:30,800 --> 00:28:34,680

is certainly more dangerous than COVID-19.

574

00:28:34,680 --> 00:28:38,0

(intense ambient music)

575

00:28:44,800 --> 00:28:47,120

- We were all sort of
plunged into this and this,

576

00:28:47,120 --> 00:28:48,440

and as I tell our team,

577

00:28:48,440 --> 00:28:51,120

we're all navigating
this for the first time,

578

00:28:51,120 --> 00:28:53,680

nobody had the kind of
experience you needed

579

00:28:53,680 --> 00:28:56,480

to navigate COVID.

580

00:28:58,600 --> 00:29:01,160

If you take tourism is probably

581

00:29:01,160 --> 00:29:05,240

one of our most apex industries
across Sub-Saharan Africa.

582

00:29:05,240 --> 00:29:08,40

For every person that's
employed in tourism,

583

00:29:08,40 --> 00:29:12,320

about 10 people directly
benefit from that tourism job.

584

00:29:12,320 --> 00:29:15,800

And that really impacts what
happens to wildlife and that,

585

00:29:15,800 --> 00:29:19,80

so poaching and all these
things are direct relations

586

00:29:19,80 --> 00:29:23,80

to what economic activity
looks like within rural areas.

587

00:29:23,80 --> 00:29:26,240

And they've been really
hammered by the fact

588

00:29:26,240 --> 00:29:28,720

that we haven't had any
international tourists

589

00:29:28,720 --> 00:29:30,400

coming into our reserves.

590

00:29:30,400 --> 00:29:33,320

So we took the hard decisions upfront,

591

00:29:33,320 --> 00:29:35,520

right in April we tackled this thing

592

00:29:35,520 --> 00:29:38,0

as though it was going to be long lasting.

593

00:29:38,0 --> 00:29:41,480

We restructured the business,
we took the painful decisions,

594

00:29:41,480 --> 00:29:42,760

the hard decisions,

595

00:29:42,760 --> 00:29:46,360

and we geared all our decision-making
around survivability.

596

00:29:46,360 --> 00:29:50,80

So we've built two years
survivability plans,

597

00:29:50,80 --> 00:29:51,640

if this thing was going to last,

598

00:29:51,640 --> 00:29:54,720

because making sure we
were here on the other side

599

00:29:54,720 --> 00:29:58,160

to look after our guests and
go back to serving our purpose

600

00:29:58,160 --> 00:30:00,320

was very important to us.

601

00:30:00,320 --> 00:30:04,440

- The cost benefit of lockdowns
is catastrophically negative,

602

00:30:04,440 --> 00:30:06,40

and we're gonna see it
in the coming years,

603

00:30:06,40 --> 00:30:07,920

the economic determinants of health,

604

00:30:07,920 --> 00:30:10,840

the unemployment impact, the depression,

605

00:30:10,840 --> 00:30:14,160

which often people never get
out of, they go into a spiral.

606

00:30:14,160 --> 00:30:18,160

The cancer cases missed, right,
and diagnosis coming late.

607

00:30:18,160 --> 00:30:21,680

I'm hearing a lot about
that, and cardiac issues.

608

00:30:21,680 --> 00:30:23,600

So we've got this massive

609

00:30:23,600 --> 00:30:28,600

kind of freight train of
negative impacts coming.

610

00:30:28,880 --> 00:30:32,600

And sadly, I suspect that
the people driving this thing

611

00:30:32,600 --> 00:30:34,280

will A, never admit that,

612

00:30:34,280 --> 00:30:38,880

and B, will try and attribute
problems in the coming years

613

00:30:38,880 --> 00:30:41,360

somehow back to the virus itself,

614

00:30:41,360 --> 00:30:44,120

or God knows back to the unvaccinated.

615

00:30:44,120 --> 00:30:46,240

You know, we're going to

see a lot of duplicity

616

00:30:46,240 --> 00:30:47,480

and a lot of fraud.

617

00:30:47,480 --> 00:30:49,960

I know we've seen a mountain already,

618

00:30:49,960 --> 00:30:51,560

but in the coming year or two,

619

00:30:51,560 --> 00:30:55,880

we're gonna see revisionism

and re-attributing causes

620

00:30:55,880 --> 00:30:57,480

to things that they were not,

621

00:30:57,480 --> 00:31:00,880

it's gonna get crazy in
the next year or two.

622

00:31:00,880 --> 00:31:04,280

(tranquil ambient music)

623

00:31:13,120 --> 00:31:16,760

Proactive closures and planned school holidays
had a "moderate" impact on transmission

624

00:31:17,160 --> 00:31:19,480

- And very clear evidence from
the UK and around the world

625

00:31:19,480 --> 00:31:24,240

that children much less
commonly get severe illness.

626

00:31:24,240 --> 00:31:26,360

And they end up having to be hospitalized

627

00:31:26,360 --> 00:31:28,200

if they get symptomatic COVID

628

00:31:28,200 --> 00:31:30,880

at probably a rate of
less than a 10th of that,

629

00:31:30,880 --> 00:31:32,680

of the general population.

630

00:31:32,680 --> 00:31:35,280

And there's some evidence that children,

631

00:31:35,280 --> 00:31:37,160

particularly primary school children

632

00:31:37,160 --> 00:31:40,800

are actually less likely to
catch COVID in the first place.

633

00:31:40,800 --> 00:31:43,560

(upbeat ambient music)

634

00:31:43,560 --> 00:31:45,960

- But I can announce today that

635

00:31:45,960 --> 00:31:50,0

after schools shut their
gates from Friday afternoon,

636

00:31:50,0 --> 00:31:54,440

they will remain closed for most pupils.

637

00:31:54,440 --> 00:31:57,480

So the vast majority of
pupils until further notice.

638

00:31:58,760 --> 00:32:01,920

- Yeah, the school closure
has made no scientific sense,

639

00:32:01,920 --> 00:32:04,80

from very early on in mid 2020,

640

00:32:04,80 --> 00:32:08,0

we had an Irish study showing
minimal possible effect

641

00:32:08,0 --> 00:32:10,600

from schools on transmission or impact.

642

00:32:10,600 --> 00:32:12,80

We had study out of Sweden,

643

00:32:12,80 --> 00:32:13,880

similarly with teachers and kids.

644

00:32:13,880 --> 00:32:16,920

And we also had a study,

I think, from Denmark

645

00:32:16,920 --> 00:32:18,240

and many, many more.

646

00:32:18,240 --> 00:32:21,240

So it was clear scientifically

that closing schools

647

00:32:21,240 --> 00:32:23,560

was not a good policy, if anything,

648

00:32:23,560 --> 00:32:25,600

you should allow more community immunity

649

00:32:25,600 --> 00:32:27,280

to help granny later.

650

00:32:27,280 --> 00:32:29,120

It made no scientific sense,

651

00:32:29,120 --> 00:32:33,400

but then a lot in this issue didn't.

652

00:32:33,400 --> 00:32:36,640

(upbeat ambient music)

653

00:32:45,760 --> 00:32:48,160

- One of the great challenges
of COVID everywhere

654

00:32:48,160 --> 00:32:50,0

was to make sure that people

655

00:32:50,0 --> 00:32:52,120

who were exposed to not just COVID,

656

00:32:52,120 --> 00:32:53,680

but other illnesses and diseases

657

00:32:53,680 --> 00:32:56,280

were getting the medical
support that they required.

658

00:32:56,280 --> 00:32:58,880

(upbeat ambient music)

659

00:32:58,880 --> 00:33:01,560

The lockdown in Khayelitsha
was very different

660

00:33:01,560 --> 00:33:05,40

from a lockdown in let's say
the middle and upper class

661

00:33:05,40 --> 00:33:07,0

societies in South Africa,

662

00:33:07,0 --> 00:33:10,360

that basically forced people
on top of one another.

663

00:33:10,360 --> 00:33:12,280

So if the strategy behind lockdown

664

00:33:12,280 --> 00:33:15,440

was to isolate and social distance people,

665

00:33:15,440 --> 00:33:19,240

that did not work, and in
fact, the opposite happened,

666

00:33:19,240 --> 00:33:22,560

(intense ambient music)

667

00:33:31,760 --> 00:33:34,240

The focus on Khayelitsha was strategic.

668

00:33:34,240 --> 00:33:36,360

And a big part of the reason was that

669

00:33:36,360 --> 00:33:38,680

there were tremendous resources already

670

00:33:38,680 --> 00:33:41,160

operational in that area.

671

00:33:41,160 --> 00:33:42,880

Médecins Sans Frontières

672

00:33:42,880 --> 00:33:46,320

helped build the very first
field hospital in South Africa.

673

00:33:50,480 --> 00:33:53,240

Because of the history
of HIV and TB support

674

00:33:53,240 --> 00:33:55,120

and research in Khayelitsha,

675

00:33:55,120 --> 00:33:58,640

it meant that the authorities
had a fantastic data set.

676

00:33:58,640 --> 00:34:02,840

So as COVID hit, they started to profile

677

00:34:02,840 --> 00:34:04,800

the people that were most at risk.

678

00:34:04,800 --> 00:34:07,600

And they turned out to
be the elderly, the frail

679

00:34:07,600 --> 00:34:09,560

and the type two diabetics.

680

00:34:09,560 --> 00:34:12,360

What was really interesting at that time,

681

00:34:12,360 --> 00:34:16,320

the authorities began a full
blown medical intervention.

682

00:34:16,320 --> 00:34:19,840

Every type two diabetic in Khayelitsha

683

00:34:19,840 --> 00:34:24,40

was in direct contact with
a doctor on a daily basis.

684

00:34:24,40 --> 00:34:24,880

And of course,

685

00:34:24,880 --> 00:34:26,480

people here would have
typically gone to the clinic

686

00:34:26,480 --> 00:34:29,360

to receive their medications,
that was no longer possible.

687

00:34:29,360 --> 00:34:32,960

So in Khayelitsha, the authorities
very quickly commandeered

688

00:34:32,960 --> 00:34:36,320

a supporting network to
get medications delivered

689

00:34:36,320 --> 00:34:38,840

door-to-door throughout that entire area.

690

00:34:38,840 --> 00:34:41,160

And I think people need to understand

691

00:34:41,160 --> 00:34:43,480

that the resources that mobilized

692

00:34:43,480 --> 00:34:47,80

in that informal settlement
were absolutely world-class.

693

00:34:52,400 --> 00:34:56,400

(crowd muttering and screaming)

694

00:35:05,440 --> 00:35:08,520

- We say, no lockdowns anymore, ever!

695

00:35:09,240 --> 00:35:13,320

WHO Pandemic Guidelines 2019

"Ten RCT's in the analysis..."

696

00:35:13,320 --> 00:35:18,280

"there was no evidence that face masks
are effective in reducing transmission."

697

00:35:18,520 --> 00:35:21,40

(upbeat ambient music)

698

00:35:21,40 --> 00:35:22,440

- We don't generally recommend

699

00:35:22,440 --> 00:35:24,520

the wearing of masks in public

700

00:35:24,520 --> 00:35:26,0

by otherwise well individuals,

701

00:35:26,0 --> 00:35:27,960

because it has not been

702

00:35:27,960 --> 00:35:31,480

up to now associated with

any particular benefit.

703

00:35:31,480 --> 00:35:34,960

- Recommendation from Sage

has been completely clear,

704

00:35:34,960 --> 00:35:38,320

which is that there is weak

evidence of a small effect

705

00:35:38,320 --> 00:35:42,360

in which a face mask can

prevent a source of infection.

706

00:35:42,360 --> 00:35:44,840

- The evidence on face masks
has always been quite variable,

707

00:35:44,840 --> 00:35:46,840

quite weak, quite
difficult to know exactly

708

00:35:46,840 --> 00:35:48,400

and there's no real trials on it,

709

00:35:48,400 --> 00:35:50,880

and we will undertake it in review,

710

00:35:50,880 --> 00:35:52,960

we'll give our advice to ministers

711

00:35:52,960 --> 00:35:55,280

and they'll make decisions
about what to do around that.

712

00:35:55,280 --> 00:35:57,280

- We are guided by the science,

713

00:35:57,280 --> 00:36:00,400

and the government
position hasn't changed.

714

00:36:00,400 --> 00:36:03,440

(upbeat ambient music)

715

00:36:03,440 --> 00:36:07,720

- I can announce that as of
Monday, the 15th of June,

716

00:36:07,720 --> 00:36:12,720

face coverings will become
mandatory on public transport.

717

00:36:13,560 --> 00:36:15,280

That doesn't mean surgical masks,

718

00:36:15,280 --> 00:36:18,320

which we must keep for clinical settings,

719

00:36:18,320 --> 00:36:20,240

it means the kind of face covering

720

00:36:20,240 --> 00:36:22,800

you can easily make at home.

721

00:36:22,800 --> 00:36:24,240

- Let them breath!

722

00:36:24,240 --> 00:36:26,120

Let them breath!

723

00:36:26,120 --> 00:36:30,760

- You should be embarrassed
and ashamed with the agenda

724

00:36:30,760 --> 00:36:33,960

that all of you are letting
happen in this town!

725

00:36:33,960 --> 00:36:36,320

- Anyone harassing me to wear a mask,

726

00:36:36,320 --> 00:36:38,880

you guys aren't violating federal law,

727

00:36:38,880 --> 00:36:40,120

get that on camera!

- Ma'am.

728

00:36:40,120 --> 00:36:45,120

- Oh, the onset of all of
this, you fancy the masks,

729

00:36:45,880 --> 00:36:48,720

let's be honest, and you
even pulled up on that.

730

00:36:48,720 --> 00:36:52,800

- Yeah, I did because I
saw the Taiwan early work

731

00:36:52,800 --> 00:36:56,320

on laser interferometry and particles,

732

00:36:56,320 --> 00:36:58,640

and I didn't know much
about that transmission

733

00:36:58,640 --> 00:36:59,760

kind of situation,

734

00:36:59,760 --> 00:37:03,120

but the problem is then I

looked at 40 years of science

735

00:37:03,120 --> 00:37:04,880

where they actually did proper studies

736

00:37:04,880 --> 00:37:07,560

on masks for influenza-like transmission,

737

00:37:07,560 --> 00:37:10,200

and the answer was clear, no real benefit.

738

00:37:10,200 --> 00:37:12,520

The reality is we have the R curves

739

00:37:12,520 --> 00:37:14,840

for five, six countries now

740

00:37:14,840 --> 00:37:18,0

where a mandatory masks

came in at different dates,

741

00:37:18,0 --> 00:37:19,880

and for every country,

742

00:37:19,880 --> 00:37:22,40

when you put the date of mandatory mask,

743

00:37:22,40 --> 00:37:25,680

whether it's Czech Republic,

Slovakia, we have Scotland now,

744

00:37:25,680 --> 00:37:29,80

Germany, there's a couple more,

745

00:37:29,80 --> 00:37:32,440

the mask mandates came in

at all different dates.

746

00:37:32,440 --> 00:37:37,0

The curve never changed at

all - the R curve - nothing.

747

00:37:37,0 --> 00:37:41,200

And that makes sense

because 40 years of science

748

00:37:41,200 --> 00:37:46,200

have been unanimous pretty much
that for influenza-like viruses,

749

00:37:46,560 --> 00:37:50,320

surgical masks and coverings
are just very ineffective.

750

00:37:50,320 --> 00:37:52,600

So it agrees with the science.

751

00:37:52,600 --> 00:37:55,40

It doesn't agree with the
science of June, 2020,

752

00:37:55,40 --> 00:37:56,760

I saw a flurry of papers came out,

753

00:37:56,760 --> 00:37:58,800

saying masks could be good,

754

00:37:58,800 --> 00:38:01,240

and they were overwhelmingly associational

755

00:38:01,240 --> 00:38:03,120

and modeling papers.

756

00:38:03,120 --> 00:38:05,560

So a few weeks of papers have overturned

757

00:38:05,560 --> 00:38:10,560

a few decades of accepted

scientific sense.

758

00:38:10,600 --> 00:38:15,280

- If masks would work, you

could throw mask in a country

759

00:38:15,280 --> 00:38:16,320

and then you would

760

00:38:16,320 --> 00:38:20,920

immediately see a peak of how

it goes down, within 14 days,

761

00:38:20,920 --> 00:38:25,480

you would have to see a
dramatic change in the curves.

762

00:38:25,480 --> 00:38:28,320

(upbeat ambient music)

763

00:38:28,320 --> 00:38:29,680

- And then we have DANMASK,

764

00:38:29,680 --> 00:38:31,640

the only randomized control trial,

765

00:38:31,640 --> 00:38:36,80

which masked a bunch of
people and non-masked,

766

00:38:36,80 --> 00:38:37,720

and that came up with the same answer.

767

00:38:37,720 --> 00:38:42,40

- We tested if facemasks

768

00:38:42,40 --> 00:38:47,40

would reduce the rate of infection by 50%,

769

00:38:48,600 --> 00:38:52,640

that is when a healthy
person wears the mask,

770

00:38:52,640 --> 00:38:56,960

on top of what we otherwise
recommended to do that,

771

00:38:56,960 --> 00:38:59,200

is mainly to keep the social distance

772

00:38:59,200 --> 00:39:01,400

and take care of hand hygiene.

773

00:39:01,400 --> 00:39:04,760

Such a great reduction in infection rate

774

00:39:04,760 --> 00:39:06,440

wasn't seen in our study.

775

00:39:06,440 --> 00:39:08,640

- Would that study have hit the headlines

776

00:39:08,640 --> 00:39:10,240

if it had found benefit?

777

00:39:10,240 --> 00:39:13,880

- If DANMASK could

found benefit for masks,

778

00:39:13,880 --> 00:39:16,920

it would have been all

over all news outlets

779

00:39:16,920 --> 00:39:20,80

all over the world within a day or two,

780

00:39:20,80 --> 00:39:21,560

but it was actually suppressed

781

00:39:21,560 --> 00:39:24,240

and no one wanted to publish

it for a couple of months.

782

00:39:24,240 --> 00:39:26,200

And eventually when they published it,

783

00:39:26,200 --> 00:39:29,200

the wording of the authors
had been changed to say,

784

00:39:29,200 --> 00:39:30,560

well, we didn't find anything,

785

00:39:30,560 --> 00:39:32,640

but we still think they might work.

786

00:39:32,640 --> 00:39:33,720

I'm not joking you.

787

00:39:33,720 --> 00:39:34,880

- If we're looking at it,

788

00:39:34,880 --> 00:39:39,840

it seems we have a small
degree of protection of masks.

789

00:39:39,840 --> 00:39:42,200

That is the conclusion from our study.

790

00:39:42,200 --> 00:39:45,520

During September 2021, cases
collapsed in Florida, USA.

791

00:39:45,640 --> 00:39:50,160

There was no statistical difference between
counties without school mask requirements

792

00:39:50,720 --> 00:39:56,160

...and the counties imposing
mask mandates on students

793

00:39:56,560 --> 00:40:00,160

(upbeat ambient music)

794

00:40:00,160 --> 00:40:01,640

- As the first wave gained momentum,

795

00:40:01,640 --> 00:40:04,0

it became very clear that

796

00:40:04,0 --> 00:40:06,840

it was correct to focus
resources on Khayelitsha,

797

00:40:06,840 --> 00:40:09,760

but the other nine

provinces in South Africa

798

00:40:09,760 --> 00:40:11,640

started to meet COVID head on.

799

00:40:11,640 --> 00:40:14,240

And that's when we saw the

numbers start to climb.

800

00:40:14,240 --> 00:40:17,720

The authorities were very good

in sharing open information

801

00:40:17,720 --> 00:40:20,920

on the case rates and the death rates.

802

00:40:20,920 --> 00:40:23,680

So we were starting to get

a picture that this thing

803

00:40:23,680 --> 00:40:26,160

was spreading right

throughout the continent.

804

00:40:26,160 --> 00:40:29,120

And in fact, Khayelitsha
when we tracked it,

805

00:40:29,120 --> 00:40:31,960

it didn't really do
any better or any worse

806

00:40:31,960 --> 00:40:33,720

than anywhere else in South Africa.

807

00:40:33,720 --> 00:40:36,200

And that was probably
the first great surprise

808

00:40:36,200 --> 00:40:37,520

here in South Africa.

809

00:40:37,520 --> 00:40:41,0

COVID came, but it didn't
just come for Khayelitsha.

810

00:40:41,0 --> 00:40:44,320

(intense ambient music)

811

00:40:48,80 --> 00:40:51,720

- The immunity term as being
thrown around quite loosely.

812

00:40:51,720 --> 00:40:54,680

So what does it mean for A, an individual,

813

00:40:54,680 --> 00:40:56,600

and B, be for a population?

814

00:40:56,600 --> 00:40:59,280

- There is no difference
between population

815

00:40:59,280 --> 00:41:00,640

and the individual.

816

00:41:00,640 --> 00:41:03,200

You are either immune or not,

817

00:41:03,200 --> 00:41:07,320

and you can have different
degrees of immunity,

818

00:41:07,320 --> 00:41:12,320

you can be just a little bit immune,

819

00:41:12,360 --> 00:41:17,160

or you can be strongly
immune against some something.

820

00:41:17,160 --> 00:41:22,160

And that merely depends on
how many times you have seen

821

00:41:22,200 --> 00:41:25,760

the foreign particle or in our case,

822

00:41:25,760 --> 00:41:28,680

it's what we are talking
about, the pathogen.

823

00:41:28,680 --> 00:41:31,960

So if you have seen the
pathogen multiple times,

824

00:41:31,960 --> 00:41:34,520

then you are more immune.

825

00:41:34,520 --> 00:41:37,560

- The immune system has
three defensive layers

826

00:41:37,560 --> 00:41:39,400

to protect you from a virus.

827

00:41:39,400 --> 00:41:43,200

The first is in the mucose membranes,

828

00:41:43,200 --> 00:41:45,960

the second is the T-cell layer.

829

00:41:45,960 --> 00:41:48,440

The T-cells have a long-term memory

830

00:41:48,440 --> 00:41:50,360

of previous Coronaviruses,

831

00:41:50,360 --> 00:41:52,280

which can help them identify

832

00:41:52,280 --> 00:41:57,200

and respond to a similar
but new Coronavirus.

833

00:41:57,200 --> 00:42:00,520

The third and final layer comes into play

834

00:42:00,520 --> 00:42:03,840

when antibodies are
released from your B cells

835

00:42:03,840 --> 00:42:06,0

in response to the viral attack.

836

00:42:07,360 --> 00:42:11,840

- T-cells are the ones
who can look into cells

837

00:42:11,840 --> 00:42:14,960

if a virus is sitting in there.

838

00:42:14,960 --> 00:42:17,600

So people have used T-cells

839

00:42:17,600 --> 00:42:22,600

that they have given them
peptides, synthesized peptides,

840

00:42:22,640 --> 00:42:26,200

different lengths from the virus.

841

00:42:26,200 --> 00:42:29,800

And then these T-cells got excited,

842

00:42:29,800 --> 00:42:32,360

started to proliferate and so on,

843

00:42:32,360 --> 00:42:36,0

that's then measured as a T-cell immunity.

844

00:42:36,0 --> 00:42:40,480

Second, if you have a T-cell response,

845

00:42:40,480 --> 00:42:44,200

you always have a B-cell response,

846

00:42:44,200 --> 00:42:47,960

B-cell response means
producing antibodies.

847

00:42:47,960 --> 00:42:50,360

You cannot separate them,

848

00:42:50,360 --> 00:42:53,640

you cannot have exclusively
T-cell response,

849

00:42:53,640 --> 00:42:56,240

and B or vice versa.

850

00:42:56,240 --> 00:43:01,40

So the B-cell response is antibody levels

851

00:43:01,40 --> 00:43:04,720

that have something that's
now slowly coming up,

852

00:43:04,720 --> 00:43:08,760

because these tests are
much more difficult to do

853

00:43:08,760 --> 00:43:10,920

than a PCR.

854

00:43:10,920 --> 00:43:13,840

- They say that natural
immunity has been forgotten

855

00:43:13,840 --> 00:43:16,280

or even denied in this pandemic,

856

00:43:16,280 --> 00:43:20,240

but you wrote a book
specifically on that whole area.

857

00:43:20,240 --> 00:43:23,320

So what would you comment on that one?

858

00:43:23,320 --> 00:43:25,680

- Yeah, I think it has been forgotten

859

00:43:25,680 --> 00:43:27,40

and it hasn't been well-explained,

860

00:43:27,40 --> 00:43:29,720

certainly we know that lifestyle,

861

00:43:29,720 --> 00:43:32,440

whether it's even doing

regular physical activity,

862

00:43:32,440 --> 00:43:35,520

does enhance T-cells

and the immune response.

863

00:43:35,520 --> 00:43:36,480

We know for example,

864

00:43:36,480 --> 00:43:38,320

that people with type two diabetes

865

00:43:38,320 --> 00:43:40,920

had poor blood glucose

controlled admits to hospital

866

00:43:40,920 --> 00:43:43,80

had a 10 fold increase risk of mortality

867

00:43:43,80 --> 00:43:46,760

versus the type two diabetics
with better glucose control.

868

00:43:46,760 --> 00:43:48,720

And that's all related to what people

869

00:43:48,720 --> 00:43:50,160

are putting in their mouths.

870

00:43:50,160 --> 00:43:53,680

So there's a lot of very
plausible, good biological data,

871

00:43:53,680 --> 00:43:58,680

how lifestyle can improve
and enhance natural immunity.

872

00:43:59,320 --> 00:44:00,440

(tranquil ambient music)

- When the population

873

00:44:00,440 --> 00:44:03,800

has been infected by or vaccinated against

874

00:44:03,800 --> 00:44:06,840

an infectious disease

in large enough numbers,

875

00:44:06,840 --> 00:44:09,680

this is herd immunity.

876

00:44:09,680 --> 00:44:14,520

- Herd immunity is a strange expression,

877

00:44:14,520 --> 00:44:18,280

it means that there's a certain level

878

00:44:18,280 --> 00:44:23,280

where it gets too complicated

for a pathogen to jump around,

879

00:44:24,200 --> 00:44:27,560

with every jump it does

from human to human,

880

00:44:27,560 --> 00:44:30,520

if it risks that the jump is for nothing

881

00:44:30,520 --> 00:44:32,240

because

882

00:44:32,240 --> 00:44:35,720

(chuckles)

the aim is already immune,

883

00:44:35,720 --> 00:44:40,200

then slowly a herd immunity is installed.

884

00:44:40,200 --> 00:44:44,440

So that can depend on the pathogen.

885

00:44:44,440 --> 00:44:46,960

That can be a few percentage,

886

00:44:46,960 --> 00:44:50,840

or for example, for

measles, it's very high,

887

00:44:50,840 --> 00:44:54,440

it's above 90% that you have to,

888

00:44:54,440 --> 00:44:57,680

of the people that have
to be immune, really.

889

00:44:57,680 --> 00:45:00,960

So, but for other organisms,

890

00:45:03,640 --> 00:45:07,960

which are less harmful so
to say, usually 40 to 60%

891

00:45:09,160 --> 00:45:11,760

is a figure that tells you

892

00:45:11,760 --> 00:45:14,160

that herd immunity is reached.

893

00:45:14,160 --> 00:45:19,160

Herd immunity, you can only
measure it once it has happened.

894

00:45:20,360 --> 00:45:23,0

You cannot predict it by the way.

895

00:45:23,0 --> 00:45:26,320

In 2020 the WHO changed it's
definition of herd immunity from...

896

00:45:26,360 --> 00:45:33,520

"Herd immunity happens when a population
is immune either through vaccination or
immunity due to natural infection"

897

00:45:33,640 --> 00:45:42,600

to.... "Herd immunity is a concept used for vaccination,
in which a population can be protected from a certain
virus if a threshold of vaccination is reached."

898

00:45:45,440 --> 00:45:49,120

- In August, September,
2020, the Northern hemisphere

899

00:45:49,120 --> 00:45:52,560

braced itself for a potential "second wave".

900

00:46:00,240 --> 00:46:01,80

The last couple of weeks,

901

00:46:01,80 --> 00:46:03,80

I've been putting together some data,

902

00:46:03,80 --> 00:46:05,80

and it's been very interesting in Europe

903

00:46:05,80 --> 00:46:07,240

in the past four to six weeks

904

00:46:07,240 --> 00:46:09,520

that there's certainly

an increase in cases

905

00:46:09,520 --> 00:46:11,560

and to be honest testing,

906

00:46:11,560 --> 00:46:15,720

but when you look at the

first impact of this

907

00:46:15,720 --> 00:46:18,40

and it was like you say,

it was quite severe,

908

00:46:18,40 --> 00:46:21,760

the cases there's a huge
curve upwards and down,

909

00:46:21,760 --> 00:46:23,400

and then the mortality lagging,

910

00:46:23,400 --> 00:46:25,880

there's a big curve, upwards and down,

911

00:46:25,880 --> 00:46:29,160

but what's striking in the
last six weeks in France,

912

00:46:29,160 --> 00:46:33,320

Belgium, UK, Ireland, all over Europe,

913

00:46:33,320 --> 00:46:35,760

there's now a big rise in the cases,

914

00:46:35,760 --> 00:46:39,400

but almost nothing in mortality or ICU,

915

00:46:39,400 --> 00:46:41,640

or just almost nothing.

916

00:46:41,640 --> 00:46:46,280

So we've got a wave of cases
for sure are positive PCRs,

917

00:46:46,280 --> 00:46:50,520

but we're certainly not getting
a wave of actual impacts,

918

00:46:50,520 --> 00:46:52,720

but that's the question then,

919

00:46:52,720 --> 00:46:57,720

when, or why would the impact
start rising for a virus

920

00:46:58,520 --> 00:47:00,520

that's already passed
through the population

921

00:47:00,520 --> 00:47:02,200

and taken the susceptible

922

00:47:02,200 --> 00:47:04,640

and caused a lot of community immunity?

923

00:47:04,640 --> 00:47:08,600

When would an impact start
rising, a true second wave?

924

00:47:08,600 --> 00:47:10,560

- Yeah, I think that's absolutely right.

925

00:47:10,560 --> 00:47:13,200

And I don't think any health
professional would sit here

926

00:47:13,200 --> 00:47:14,760

and say, they can predict exactly

927

00:47:14,760 --> 00:47:16,480

what's going to happen in the winter.

928

00:47:16,480 --> 00:47:18,560

But I think we have to be really cautious

929

00:47:18,560 --> 00:47:20,440

in the light of what
you've just said about

930

00:47:20,440 --> 00:47:24,440

these Armageddon scenarios
that have been put forward

931

00:47:24,440 --> 00:47:26,560

at the likelihood of seeing a second wave

932

00:47:26,560 --> 00:47:27,960

that's bigger than the first wave

933

00:47:27,960 --> 00:47:29,840

or even the same size as the first wave,

934

00:47:29,840 --> 00:47:32,320

we don't know what's going
to happen in the winter,

935

00:47:32,320 --> 00:47:34,240

we may see local outbreaks,

936

00:47:34,240 --> 00:47:37,160

we may start to see an increase
in the number of cases,

937

00:47:37,160 --> 00:47:40,0

but most health professionals
on the frontline

938

00:47:40,0 --> 00:47:41,960

we have spoken to having

939

00:47:41,960 --> 00:47:44,480

gained their learning over
these past several weeks,

940

00:47:44,480 --> 00:47:46,200

since cases started to increase

941

00:47:46,200 --> 00:47:49,320

is that actually that
is really pessimistic,

942

00:47:49,320 --> 00:47:50,280

and the likelihood is

943

00:47:50,280 --> 00:47:52,520

that we might see a few
more cases in the winter,

944

00:47:52,520 --> 00:47:54,880

but it's not going to be
as horrific as we expect.

945

00:47:54,880 --> 00:47:57,880

- In terms of this winter, the prior SARS

946

00:47:57,880 --> 00:48:00,320

or Coronaviruses had one wave

947

00:48:00,320 --> 00:48:03,320

and it was much smaller [in excess
mortality] in the following season.

948

00:48:03,320 --> 00:48:06,720

So there is prior knowledge
that Coronaviruses

949

00:48:06,720 --> 00:48:10,320

in the second season after
it's hit in the first season,

950

00:48:10,320 --> 00:48:12,400

when you have the most susceptible people,

951

00:48:12,400 --> 00:48:15,320

and then they sadly pass,

that the next season

952

00:48:15,320 --> 00:48:18,40

will be relatively much lower in impact.

953

00:48:18,40 --> 00:48:19,920

So we can kind of leverage.

954

00:48:19,920 --> 00:48:21,480

- With one assumption,

955

00:48:21,480 --> 00:48:24,880

and this assumption is that you infected

956

00:48:24,880 --> 00:48:26,240

majority of population.

957

00:48:26,240 --> 00:48:27,720

- Yes.

- So

958

00:48:27,720 --> 00:48:32,360

what's happened this time is
that the big part of the world

959

00:48:32,360 --> 00:48:37,360

went into lockdown and not
so many people got infected.

960

00:48:38,40 --> 00:48:42,480

- So if the lockdowns don't
work, how can that be the case

961

00:48:42,480 --> 00:48:44,160

what Gordon has just said?

962

00:48:44,160 --> 00:48:47,600

- Well, Gordon was working
with what he had at the time.

963

00:48:47,600 --> 00:48:49,400

And I even thought

964

00:48:49,400 --> 00:48:53,40

there would be some efficacy
of lockdown, some suppression,

965

00:48:53,40 --> 00:48:56,240

and I spoke about that
in my September video,

966

00:48:56,240 --> 00:48:59,280

that if anything, if you
achieve some suppression,

967

00:48:59,280 --> 00:49:01,320

it would make things worse later.

968

00:49:01,320 --> 00:49:03,800

It turns out at the end of the day Donal

969

00:49:03,800 --> 00:49:07,920

that we even overestimated the
potential effect of lockdowns.

970

00:49:07,920 --> 00:49:09,640

I think it did spread

971

00:49:09,640 --> 00:49:12,880

much as it would have
spread without lockdowns.

972

00:49:12,880 --> 00:49:16,120

(upbeat ambient music)

973

00:49:17,520 --> 00:49:20,520

- The second wave in South
Africa was very interesting

974

00:49:20,520 --> 00:49:24,760

for a number of reasons, it
struck during the summer season,

975

00:49:24,760 --> 00:49:28,160

which was kind of unexpected
because we all thought

976

00:49:28,160 --> 00:49:30,720

and had been told that COVID was seasonal,

977

00:49:30,720 --> 00:49:33,320

well, here it was mid summer.

978

00:49:33,320 --> 00:49:35,560

And the big news really

979

00:49:35,560 --> 00:49:39,320

was the emergence of the Beta variant,

980

00:49:39,320 --> 00:49:40,680

which was first known

981

00:49:40,680 --> 00:49:43,840

at that time as the South African variant.

982

00:49:43,840 --> 00:49:45,840

But of course, they now

know that that variant

983

00:49:45,840 --> 00:49:48,840

was in 50 plus other

countries at the same time,

984

00:49:48,840 --> 00:49:52,880

but the very good standard
of scientific investigation

985

00:49:52,880 --> 00:49:54,160

and rigor here in South Africa

986

00:49:54,160 --> 00:49:55,720

just meant that they found it first.

987

00:49:55,720 --> 00:49:58,960

(upbeat ambient music)

988

00:50:01,160 --> 00:50:05,280

- A variant is the most
normal thing for a virus.

989

00:50:06,440 --> 00:50:10,80

Some of these mutations may be silent,

990

00:50:10,80 --> 00:50:14,160

so you'll have one or two
nucleic acids, which are changed,

991

00:50:14,160 --> 00:50:16,120

but they do not matter.

992

00:50:16,120 --> 00:50:20,440

In others, you can see are
lots of changes for example,

993

00:50:20,440 --> 00:50:24,400

but they can still infect
the same species as before.

994

00:50:24,400 --> 00:50:29,320

So now we speak about the
variant, it's the mutated virus,

995

00:50:29,320 --> 00:50:32,640

which still has more or less the same

996

00:50:32,640 --> 00:50:34,440

species that it can infect.

997

00:50:35,400 --> 00:50:39,960

- Would you consider the
variants to be geographical?

998

00:50:39,960 --> 00:50:43,320

- Yeah, mutation always
starts in one place,

999

00:50:43,320 --> 00:50:45,120

but if in the genome,

1000

00:50:45,120 --> 00:50:49,160

it's a very susceptible
part of the genome.

1001

00:50:49,160 --> 00:50:53,0

The very same mutation can
happen in different countries,

1002

00:50:53,0 --> 00:50:55,520

more or less at the same time.

1003

00:50:55,520 --> 00:51:00,520

It's just a matter of time when
such a mutation will occur.

1004

00:51:01,240 --> 00:51:04,320

So it's not fair now

1005

00:51:04,320 --> 00:51:07,800

to give all these variants
geographical names,

1006

00:51:07,800 --> 00:51:12,800

because as it was unfair
to call it the Spanish flu

1007

00:51:13,880 --> 00:51:15,40

or whatever,

1008

00:51:17,0 --> 00:51:21,720

it's just coincidence that
it was found there, you know?

1009

00:51:21,720 --> 00:51:24,960

(upbeat ambient music)

1010

00:51:26,840 --> 00:51:31,440

A seasonal virus is
actually wrong expression,

1011

00:51:31,440 --> 00:51:35,760

it's not the virus seasonal,

it's we are seasonal.

1012

00:51:35,760 --> 00:51:36,880

If we change,

1013

00:51:36,880 --> 00:51:41,880

we become infected by virus
because we have the receptors.

1014

00:51:42,360 --> 00:51:46,720

- But we never test for influenza

1015

00:51:46,720 --> 00:51:49,600

or for Coronaviruses in
the middle of summer.

1016

00:51:49,600 --> 00:51:50,520

So we don't see them.

1017

00:51:50,520 --> 00:51:54,440

And actually there was
one episode of testing

1018

00:51:54,440 --> 00:51:59,440

and this was 29H1N1 influenza pandemics.

1019

00:52:00,0 --> 00:52:03,680

When in UK, there was lots
of testing in the summer

1020

00:52:03,680 --> 00:52:06,480

and they were seeing the virus.

1021

00:52:06,480 --> 00:52:11,480

So virus was there, but
people were not severely ill.

1022

00:52:11,800 --> 00:52:15,720

So obviously there are many
aspects of seasonality,

1023

00:52:15,720 --> 00:52:19,0

we cannot say that if
the virus is seasonal,

1024

00:52:19,0 --> 00:52:21,520

that it will not exist in summer

1025

00:52:21,520 --> 00:52:24,320

or that it will not exist
in the tropical areas,

1026

00:52:24,320 --> 00:52:26,920

and we see now that SARS-Cov-2

1027

00:52:26,920 --> 00:52:29,240

is spreading also in the tropical areas.

1028

00:52:29,240 --> 00:52:33,0

(upbeat ambient music)

1029

00:52:33,0 --> 00:52:36,560

- So as that second wave
progressed here in South Africa,

1030

00:52:36,560 --> 00:52:39,560

it became very clear that
in Khayelitsha at least

1031

00:52:39,560 --> 00:52:42,920

the virus was starting to
behave as you would expect

1032

00:52:42,920 --> 00:52:44,520

because their second wave

1033

00:52:44,520 --> 00:52:47,560

was significantly smaller than the first.

1034

00:52:47,560 --> 00:52:50,120

There were less deaths,

it had less of an impact.

1035

00:52:50,120 --> 00:52:50,960

And of course,

1036

00:52:50,960 --> 00:52:54,320

this is what professor

Stadler had told us to expect.

1037

00:52:54,320 --> 00:52:57,360

A virus will dilute and

it will become weaker.

1038

00:52:58,200 --> 00:52:59,720

Personally, for me,

1039

00:52:59,720 --> 00:53:02,520

the second wave felt

like the first wave,

1040

00:53:02,520 --> 00:53:06,560

because I started to see COVID spread

1041

00:53:06,560 --> 00:53:08,840

right throughout my social network.

1042

00:53:08,840 --> 00:53:10,400

I didn't know anybody who died,

1043

00:53:10,400 --> 00:53:12,800

but COVID was spreading amongst the middle

1044

00:53:12,800 --> 00:53:15,280

and upper classes here in South Africa.

1045

00:53:15,280 --> 00:53:18,600

(intense ambient music)

1046

00:53:21,480 --> 00:53:26,480

- Basically everybody,
over 90% of our population

1047

00:53:27,160 --> 00:53:31,0

has already some degree of immunity.

1048

00:53:31,0 --> 00:53:34,0

So if you come now with a vaccine,

1049

00:53:34,0 --> 00:53:38,0

this immunity, you can

increase it a little bit,

1050

00:53:38,0 --> 00:53:40,200

but even though in Switzerland,

1051

00:53:40,200 --> 00:53:41,520

people call me the

1052

00:53:41,520 --> 00:53:43,400

(chuckles)

vaccination Pope, you know,

1053

00:53:43,400 --> 00:53:48,40

so because I'm so for vaccination, I am,

1054

00:53:48,40 --> 00:53:52,840

but I'm always fighting
against our health officials

1055

00:53:54,360 --> 00:53:56,800

because they say for the flu vaccination,

1056

00:53:56,800 --> 00:54:00,320

all the risk people should get vaccinated.

1057

00:54:00,320 --> 00:54:03,400

And all this, I say, all
this, this is not fair,

1058

00:54:03,400 --> 00:54:07,320

the people who have no immune system

1059

00:54:07,320 --> 00:54:09,400

or a weak immune system,

1060

00:54:09,400 --> 00:54:13,400

it's almost impossible

for them to become immune

1061

00:54:13,400 --> 00:54:16,440

because their immune system is so bad.

1062

00:54:16,440 --> 00:54:19,280

That's for the flu, and
now look at the Corona,

1063

00:54:19,280 --> 00:54:20,640

who is dying?

1064

00:54:20,640 --> 00:54:24,560

There's always people who
have a miserable immune system

1065

00:54:24,560 --> 00:54:28,160

and those people would
have to be immunized now.

1066

00:54:28,160 --> 00:54:32,720

I have never seen a
vaccine that is so good

1067

00:54:32,720 --> 00:54:35,920

that can really immunize those people.

1068

00:54:37,160 --> 00:54:41,640

I've never seen it, doesn't
mean it doesn't exist.

1069

00:54:41,640 --> 00:54:45,880

So, but the first thing, if a
vaccine comes, we should look,

1070

00:54:45,880 --> 00:54:49,960

does it work in the patients at risk?

1071

00:54:49,960 --> 00:54:53,160

- I think the other thing to
add in which again was missing

1072

00:54:53,160 --> 00:54:54,600

and something I wrote about in my book,

1073

00:54:54,600 --> 00:54:58,160

"The 21 Day Immunity Plan"

is if people with obesity

1074

00:54:58,160 --> 00:55:00,400

related to many of the vaccines have

1075

00:55:00,400 --> 00:55:04,80

a depressed response to the vaccine.

1076

00:55:04,80 --> 00:55:06,160

So actually there's another reason

1077

00:55:06,160 --> 00:55:07,600

to improve metabolic health

1078

00:55:07,600 --> 00:55:10,760

is you're much more likely

to get a better response,

1079

00:55:10,760 --> 00:55:14,120

a more robust response to vaccines

1080

00:55:14,120 --> 00:55:16,880

if your metabolic health is optimized.

1081

00:55:16,880 --> 00:55:17,680

- Yeah.

1082

00:55:17,680 --> 00:55:20,920

Stadler, Aseem and all the
others are broadly correct.

1083

00:55:20,920 --> 00:55:24,360

So the history of influenza vaccines

1084

00:55:24,360 --> 00:55:26,800

and these ones you could
argue are less capable

1085

00:55:26,800 --> 00:55:28,800

because they don't have the full virus.

1086

00:55:28,800 --> 00:55:31,560

It's very hard to reach
and protect the people

1087

00:55:31,560 --> 00:55:33,80

who are most at risk

1088

00:55:33,80 --> 00:55:35,80

because they're already immunocompromised,

1089

00:55:35,80 --> 00:55:37,720

so you're not going to get a
good result from the vaccine.

1090

00:55:37,720 --> 00:55:40,440

And that's why we're saying one vaccine,

1091

00:55:40,440 --> 00:55:42,440

second vaccine dose,

1092

00:55:42,440 --> 00:55:44,920

and now they're talking
third vaccine dose.

1093

00:55:44,920 --> 00:55:48,400

What kind of vaccine
needs three vaccinations

1094

00:55:48,400 --> 00:55:51,600

and maybe a fourth and more within months?

1095

00:55:51,600 --> 00:55:52,880

And the answer is a vaccine

1096

00:55:52,880 --> 00:55:55,280

that's not really

working very well at all.

1097

00:55:58,680 --> 00:56:01,960

- When the issue of vaccines

started to gain momentum,

1098

00:56:01,960 --> 00:56:03,560

it was interesting that that was something

1099

00:56:03,560 --> 00:56:05,480

that was happening in the first world,

1100

00:56:05,480 --> 00:56:08,760

because it certainly wasn't

happening here in South Africa.

1101

00:56:08,760 --> 00:56:10,760

The war cry at that time was

1102

00:56:10,760 --> 00:56:13,600

nobody is safe until everybody is safe,

1103

00:56:13,600 --> 00:56:15,720

but that wasn't the case at all,

1104

00:56:15,720 --> 00:56:17,200

because although many of the vaccines

1105

00:56:17,200 --> 00:56:21,80

were actually researched and
developed here in South Africa,

1106

00:56:21,80 --> 00:56:23,480

there were shipped overseas

1107

00:56:23,480 --> 00:56:25,840

for consumption in the
Western first world.

1108

00:56:25,840 --> 00:56:29,600

The COVAX program, which
was designed and funded

1109

00:56:29,600 --> 00:56:33,440

to send vaccines free of
charge into developing nations,

1110

00:56:33,440 --> 00:56:35,200

utterly failed.

1111

00:56:35,200 --> 00:56:37,800

In addition, Pfizer came to South Africa

1112

00:56:37,800 --> 00:56:40,240

and demanded that state assets

1113

00:56:40,240 --> 00:56:43,840

should be put up as a

vaccine insurance fund.

1114

00:56:43,840 --> 00:56:46,40

So not only were they not prepared

1115

00:56:46,40 --> 00:56:49,440

to deliver vaccines into South

Africa on an equitable basis,

1116

00:56:49,440 --> 00:56:51,280

they actually wanted the country

1117

00:56:51,280 --> 00:56:55,600

to put state assets on the
table as an insurance scheme.

1118

00:56:55,600 --> 00:56:58,0

And I think that really
shone a light for me

1119

00:56:58,0 --> 00:57:01,520

on the fact that South Africa
and many developing nations

1120

00:57:01,520 --> 00:57:04,320

are in fact nothing more
than pure opportunities

1121

00:57:04,320 --> 00:57:06,40

for the Western world.

1122

00:57:06,40 --> 00:57:09,400

(intense ambient music)

1123

00:57:12,400 --> 00:57:14,80

In August, 2021,

1124

00:57:14,80 --> 00:57:17,600

18 months after I had first
traveled back to South Africa,

1125

00:57:17,600 --> 00:57:21,240

that back door opened for me
to travel back to Ireland.

1126

00:57:25,480 --> 00:57:27,0

Normally this is just a quick

1127

00:57:27,0 --> 00:57:28,680

hop and jump on an overnight flight,

1128

00:57:28,680 --> 00:57:30,920

you get a connecting flight
to Belfast or Dublin,

1129

00:57:30,920 --> 00:57:33,920

that's it, you're you're back to base.

1130

00:57:33,920 --> 00:57:35,840

However, the UK and Ireland

1131

00:57:35,840 --> 00:57:40,840

are both retaining their red
list status on South Africa,

1132

00:57:41,40 --> 00:57:45,80

we are in the middle of our
so-called third wave right now,

1133

00:57:45,80 --> 00:57:48,80

as a result, I'll be flying to Slovenia.

1134

00:57:48,80 --> 00:57:51,0

The only requirement there
is a rapid antigen test.

1135

00:57:51,0 --> 00:57:54,440

So I've got to get a PCR
test here in Cape Town

1136

00:57:54,440 --> 00:57:57,240

which will allow me to
board with Turkish Airlines.

1137

00:57:57,240 --> 00:57:59,40

I then get to Istanbul airport

1138

00:57:59,40 --> 00:58:01,840

where I've got to get

a rapid antigen test.

1139

00:58:01,840 --> 00:58:03,360

And assuming that's a negative,

1140

00:58:03,360 --> 00:58:07,160

then I have free and

open access to Slovenia

1141

00:58:07,160 --> 00:58:11,160

where I'll spent two weeks,

which washes out the red list,

1142

00:58:11,160 --> 00:58:15,520

South African status, it means

I can fly openly to Ireland.

1143

00:58:15,520 --> 00:58:18,760

So that's how difficult it is for me

1144

00:58:18,760 --> 00:58:22,280

to get back to Ireland at this time.

1145

00:58:24,840 --> 00:58:26,200

I come home,

1146

00:58:26,200 --> 00:58:29,240

I've taken all the various

tests to board flights.

1147

00:58:29,240 --> 00:58:30,600

I find that when I landed,

1148

00:58:30,600 --> 00:58:33,560

nobody checked anything in Dublin Airport.

1149

00:58:33,560 --> 00:58:35,560

And I remember this is the country

1150

00:58:35,560 --> 00:58:37,0

that has experienced the longest,

1151

00:58:37,0 --> 00:58:39,280

harsheset lockdown in Europe.

1152

00:58:39,280 --> 00:58:42,80

So you land in here,
nobody checks anything.

1153

00:58:42,80 --> 00:58:43,760

That was remarkable to me.

1154

00:58:46,200 --> 00:58:47,480

For the first 10 days,

1155

00:58:47,480 --> 00:58:51,440

I didn't get to see any
members of my family

1156

00:58:51,440 --> 00:58:53,280

apart from my parents.

1157

00:58:53,280 --> 00:58:57,440

My two older brothers had
actually contracted COVID.

1158

00:58:57,440 --> 00:59:02,440

And what was interesting
about that was the fact that

1159

00:59:02,680 --> 00:59:07,680

the virus eventually
reached my eldest brother,

1160

00:59:07,800 --> 00:59:08,920

he's not vaccinated,

1161

00:59:08,920 --> 00:59:13,920

but he contracted it from my
next brother who is vaccinated.

1162

00:59:14,760 --> 00:59:17,640

And some members of his immediate family

1163

00:59:17,640 --> 00:59:20,80

who had also been vaccinated
passed it on to him.

1164

00:59:20,80 --> 00:59:21,520

So it went through, I believe,

1165

00:59:21,520 --> 00:59:23,480

six or seven vaccinated persons

1166

00:59:23,480 --> 00:59:26,840

before it actually got to my
brother who was unvaccinated.

1167

00:59:26,840 --> 00:59:31,160

We know, know that the vaccines
that have been used to date,

1168

00:59:31,160 --> 00:59:35,840

you know Fauci himself has
admitted that the viral load

1169

00:59:35,840 --> 00:59:37,840

in somebody vaccinated

1170

00:59:37,840 --> 00:59:41,600

is exactly the same somebody unvaccinated.

1171

00:59:41,600 --> 00:59:44,440

(indistinct) we used to

argue about the benefits.

1172

00:59:44,440 --> 00:59:47,40

The one thing I've noticed
now that I've come back,

1173

00:59:47,40 --> 00:59:49,760

I've come back home here
on COVID is everywhere,

1174

00:59:49,760 --> 00:59:51,480

it's quite remarkable,

1175

00:59:51,480 --> 00:59:55,880

but interestingly, my wife's
cousin in Cape Town got COVID.

1176

00:59:55,880 --> 00:59:58,880

My case, the doctor was on immediately.

1177

00:59:58,880 --> 01:00:03,200

They're prescribing cortisone
and a batch of medicines

1178

01:00:03,200 --> 01:00:05,880

to immediately treat the disease,

1179

01:00:05,880 --> 01:00:10,600

and here the brothers,

their families get it

1180

01:00:10,600 --> 01:00:13,800

and you're just told, okay,

stay at home for 10 days.

1181

01:00:13,800 --> 01:00:18,480

The next time you appear

on the medical system

1182

01:00:18,480 --> 01:00:20,680

is if you present in hospital.

1183

01:00:20,680 --> 01:00:23,920

I mean, it seems utterly ludicrous to me

1184

01:00:23,920 --> 01:00:26,440

that not only are they disregarding

1185

01:00:26,440 --> 01:00:28,840

what might be possible therapeutics,

1186

01:00:28,840 --> 01:00:32,560

they're not even attempting

to intervene at any point

1187

01:00:32,560 --> 01:00:34,0

once you contract a disease.

1188

01:00:34,0 --> 01:00:35,640

- The fact the the authorities

1189

01:00:35,640 --> 01:00:39,160

are not interested in treating it per se,

1190

01:00:39,160 --> 01:00:42,0

but I think we go back to March, 2020,

1191

01:00:42,0 --> 01:00:44,160

and it came down from the top

1192

01:00:44,160 --> 01:00:46,880

that there was no treatment

for this effectively.

1193

01:00:46,880 --> 01:00:48,840

I mean, there was some steroid treatment,

1194

01:00:48,840 --> 01:00:51,120

and then there was the
debacle with the ventilators

1195

01:00:51,120 --> 01:00:54,520

where they pretty much nearly
admit that many people died

1196

01:00:54,520 --> 01:00:56,760

in New York might not have otherwise

1197

01:00:56,760 --> 01:00:59,720

because they're overzealous
and use the ventilator.

1198

01:00:59,720 --> 01:01:02,480

So there was pretty much,
again, set in the narrative.

1199

01:01:02,480 --> 01:01:03,720

There is no treatment,

1200

01:01:03,720 --> 01:01:07,0

there are no treatments

until we get the vaccine.

1201

01:01:07,0 --> 01:01:08,960

And that trickled down all over the world,

1202

01:01:08,960 --> 01:01:11,560

so South Africa are using treatments,

1203

01:01:11,560 --> 01:01:13,560

India were using treatments.

1204

01:01:13,560 --> 01:01:16,80

The countries that are

not being focused on

1205

01:01:16,80 --> 01:01:19,200

or too "under the boot" of the narrative,

1206

01:01:19,200 --> 01:01:21,320

they tend to go and do
the right medical thing,

1207

01:01:21,320 --> 01:01:23,40

let's try and treat the people,

1208

01:01:23,40 --> 01:01:25,0

but in most of the western countries

1209

01:01:25,0 --> 01:01:27,960

and the countries following
the narrative very powerfully,

1210

01:01:27,960 --> 01:01:31,160

it's exactly as you say, if you get COVID,

1211

01:01:31,160 --> 01:01:33,800

we're going to pretty much do nothing

1212

01:01:33,800 --> 01:01:37,40

until you end up in
the hospital or an ICU,

1213

01:01:37,40 --> 01:01:40,440

and then you become a
ICU or hospital stat.

1214

01:01:40,440 --> 01:01:42,720

- Right up to date now,

1215

01:01:42,720 --> 01:01:46,600

the reports out of the US
were saying 98, 99% of people

1216

01:01:46,600 --> 01:01:49,80

in hospitals in ICU are unvaccinated.

1217

01:01:49,80 --> 01:01:51,520

That's not quite the full story.

1218

01:01:51,520 --> 01:01:54,240

- Yeah, there's a lot of
trickery with the data.

1219

01:01:54,240 --> 01:01:57,80

So the Israel data showed pretty clearly

1220

01:01:57,80 --> 01:02:01,40

that the cases across all age
ranges were the same level

1221

01:02:01,40 --> 01:02:03,560

for vaccinated and unvaccinated.

1222

01:02:03,560 --> 01:02:05,760

The hospitalizations are difficult

1223

01:02:05,760 --> 01:02:07,720

because you can't get the raw data,

1224

01:02:07,720 --> 01:02:09,720

and they're very confounded data.

1225

01:02:09,720 --> 01:02:11,320

In one case a few weeks ago,

1226

01:02:11,320 --> 01:02:16,40

the US came out with shock
stories of 98% are un-vaccinated.

1227

01:02:16,40 --> 01:02:18,760

However, they were counting from way back

1228

01:02:18,760 --> 01:02:21,600

in the epidemic before the
vaccines were available.

1229

01:02:21,600 --> 01:02:24,400

So the lion's share back
then were unvaccinated

1230

01:02:24,400 --> 01:02:26,280

because the vaccine wasn't here yet.

1231

01:02:26,280 --> 01:02:29,880

So there's a lot of
trickery, I would say fraud

1232

01:02:29,880 --> 01:02:32,800

in the way the data is being presented.

1233

01:02:32,800 --> 01:02:33,960

There's another problem

1234

01:02:33,960 --> 01:02:37,400

that they're calling one

shot people unvaccinated.

1235

01:02:38,240 --> 01:02:39,40

So one shot,

1236

01:02:39,40 --> 01:02:41,560

there's been a certain
amount of evidence emerging

1237

01:02:41,560 --> 01:02:42,800

that after one shot,

1238

01:02:42,800 --> 01:02:45,720

you may have a higher chance
of coming up as a case,

1239

01:02:45,720 --> 01:02:49,0

and you may have a higher
chance of having an issue.

1240

01:02:49,0 --> 01:02:52,320

And in those cases, if you
put the one-shot people

1241

01:02:52,320 --> 01:02:55,520

in with the unvaccinated, and
call them all unvaccinated,

1242

01:02:55,520 --> 01:02:57,760

you can bias the data again

1243

01:02:57,760 --> 01:03:00,960

to look like more on
vaccinated proportionally

1244

01:03:00,960 --> 01:03:02,360

are in the hospital.

1245

01:03:02,360 --> 01:03:05,80

There's also another problem that

1246

01:03:05,80 --> 01:03:06,320

what they're seeing in London

1247

01:03:06,320 --> 01:03:08,560

from an ICU specialist, I know,

1248

01:03:08,560 --> 01:03:13,560

yes, there's a majority
unvaccinated, but overwhelmingly

1249

01:03:13,640 --> 01:03:16,320

they're obese or immunocompromised people.

1250

01:03:16,320 --> 01:03:20,480

So still even if there are
more unvaccinated there,

1251

01:03:20,480 --> 01:03:22,320

you're still back to the same reasons

1252

01:03:22,320 --> 01:03:23,760

(chuckles)

why, right?

1253

01:03:23,760 --> 01:03:27,920

Obesity, very big obesity
and immunocompromised people.

1254

01:03:27,920 --> 01:03:30,920

But that just brings us
back to the same point,

1255

01:03:30,920 --> 01:03:33,760

we should be focusing on
the susceptible people

1256

01:03:33,760 --> 01:03:37,160

and strongly suggesting
they take the vaccine,

1257

01:03:37,160 --> 01:03:39,960

but what's with the
mandatory for everyone?

1258

01:03:39,960 --> 01:03:43,240

And what kind of sociopath
would go after the children?

1259

01:03:43,240 --> 01:03:45,320

- It's not needed for children,

1260

01:03:45,320 --> 01:03:48,840

it's never a child below 10 has died.

1261

01:03:48,840 --> 01:03:52,680

So I would immunize

children, but why the heck?

1262

01:03:52,680 --> 01:03:54,200

I mean, they are protected.

1263

01:03:54,200 --> 01:03:57,800

- We are headed into
a very dangerous area.

1264

01:03:57,800 --> 01:03:59,320

- [Reporter] Receiving the jab

1265

01:03:59,320 --> 01:04:02,0

is not mandatory in South Africa.

1266

01:04:02,0 --> 01:04:03,480

- Are you saying, me I live here?

1267

01:04:03,480 --> 01:04:04,320

- Yes.

- And

1268

01:04:04,320 --> 01:04:06,120

what do you think you are?

- No arrests have been made,

1269

01:04:06,120 --> 01:04:08,520

both sides blamed the other.

1270

01:04:13,840 --> 01:04:15,640

- I think after 18 months,

1271

01:04:15,640 --> 01:04:18,320

Sweden started like the
star of the show or was it,

1272

01:04:18,320 --> 01:04:20,840

but if we look now at excess deaths here,

1273

01:04:20,840 --> 01:04:23,360

from the beginning to
where we are right now,

1274

01:04:23,360 --> 01:04:25,280

what's your read on it?

1275

01:04:25,280 --> 01:04:28,240

- Yeah, well, Sweden

turned out as I expected

1276

01:04:28,240 --> 01:04:32,360

back in April, May,

2020 Sweden was crucial

1277

01:04:32,360 --> 01:04:34,40

because they were a controlled country.

1278

01:04:34,40 --> 01:04:36,600

And in science you must have controls

1279

01:04:36,600 --> 01:04:38,960

to find out what the truth is.

1280

01:04:38,960 --> 01:04:41,0

So Sweden, as we can see here,

1281

01:04:41,0 --> 01:04:45,280

overall, there are few

100 people per million

1282

01:04:45,280 --> 01:04:50,0

in the population of extra

death over what you'd expect.

1283

01:04:50,0 --> 01:04:53,760

They performed far,
far better than the UK,

1284

01:04:53,760 --> 01:04:56,680

which is over a 1000 per million,

1285

01:04:56,680 --> 01:04:59,160

and they came in the
lowest third of Europe

1286

01:04:59,160 --> 01:05:00,640

in extra mortality.

1287

01:05:00,640 --> 01:05:03,640

So they're doing incredibly well.

1288

01:05:03,640 --> 01:05:06,0

And I guess they proved what Tegnell said,

1289

01:05:06,0 --> 01:05:08,840

judge me in mid 2021.

1290

01:05:08,840 --> 01:05:10,840

- You said, judge me in a year.

1291

01:05:10,840 --> 01:05:14,520

So it's been a year and a couple
of months and here we are,

1292

01:05:14,520 --> 01:05:17,680

were there moments when you thought,

1293

01:05:17,680 --> 01:05:19,160

have I got this right?

1294

01:05:19,160 --> 01:05:20,920

Do I need to change course?

1295

01:05:20,920 --> 01:05:21,960

- Not really.

1296

01:05:21,960 --> 01:05:24,360

And that's mainly because
it's not really me.

1297

01:05:24,360 --> 01:05:25,200

I mean, we are a group of people

1298

01:05:25,200 --> 01:05:26,760

discussing this continuously,

1299

01:05:26,760 --> 01:05:29,680

we also have a lot of

contacts outside of the agency

1300

01:05:29,680 --> 01:05:33,920

with other experts where we

discussed this continuously,

1301

01:05:33,920 --> 01:05:36,280

and I think we were

fairly much in agreement.

1302

01:05:36,280 --> 01:05:38,320

And then we saw that they had effect.

1303

01:05:38,320 --> 01:05:41,400

Of course we would have been much happier

1304

01:05:41,400 --> 01:05:43,480

if we didn't see the high death toll

1305

01:05:43,480 --> 01:05:45,80

in the crowded hospitals,

1306

01:05:45,80 --> 01:05:47,440

but we managed to keep it

1307

01:05:48,400 --> 01:05:51,760

into some kind of reasonable level.

1308

01:05:51,760 --> 01:05:55,440

I think in the end

throughout the time that

1309

01:05:55,440 --> 01:05:58,400

we did the best we could

in the situation we have.

1310

01:05:58,400 --> 01:06:01,480

- So they aced the game, if you will,

1311

01:06:01,480 --> 01:06:04,0

and they had no lockdowns, no masks

1312

01:06:04,0 --> 01:06:08,520

and kids up to 16 years

old in school, that's it.

1313

01:06:12,200 --> 01:06:15,40

- Northern Ireland is experiencing

1314

01:06:16,80 --> 01:06:19,80

a very high rate per

million at the moment.

1315

01:06:19,80 --> 01:06:20,360

The papers today suggest that

1316

01:06:20,360 --> 01:06:23,600

it was the highest in the developed world.

1317

01:06:23,600 --> 01:06:25,480

So it's worse than South Africa

1318

01:06:25,480 --> 01:06:28,760

if you look at data
cases per million deaths,

1319

01:06:28,760 --> 01:06:29,760

per million, et cetera.

1320

01:06:29,760 --> 01:06:33,80

And yet, South Africa
remains under the kibosh,

1321

01:06:33,80 --> 01:06:34,560

very much red listed.

1322

01:06:34,560 --> 01:06:36,960

- The minister of health in the UK,

1323

01:06:36,960 --> 01:06:40,120

I mean, he basically just
threw us under the bus

1324

01:06:40,960 --> 01:06:42,520

is what he did.

1325

01:06:42,520 --> 01:06:45,0

Didn't wanna take responsibility
for his own numbers,

1326

01:06:45,0 --> 01:06:47,400

so threw South Africa under the bus.

1327

01:06:47,400 --> 01:06:50,120

- I understand the enormous sacrifices

1328

01:06:50,120 --> 01:06:54,280

that everybody in this country
has made, that you have made.

1329

01:06:54,280 --> 01:06:58,80

And those of us who make these rules

1330

01:06:58,80 --> 01:07:00,0

have got to stick by them,

1331

01:07:00,0 --> 01:07:01,880

and that's why I've got to resign.

1332

01:07:06,0 --> 01:07:09,360

- As the world comes

out of the third wave,

1333

01:07:09,360 --> 01:07:13,360

I think the most remarkable
thing for me locally

1334

01:07:13,360 --> 01:07:16,480

here in South Africa is to
see the success of Khayelitsha

1335

01:07:16,480 --> 01:07:20,0

because as Delta cut a swathe across the world

1336

01:07:20,0 --> 01:07:21,400

and indeed South Africa,

1337

01:07:21,400 --> 01:07:24,840

it was bigger here than
any of the prior waves

1338

01:07:24,840 --> 01:07:26,200

or the variants that we had seen.

1339

01:07:26,200 --> 01:07:30,520

But in Khayelitsha that

68% level of antibodies

1340

01:07:30,520 --> 01:07:34,520

across the community proved

to be extremely powerful

1341

01:07:34,520 --> 01:07:36,200

and very, very protective,

1342

01:07:36,200 --> 01:07:39,240

even against the new Delta variant.

1343

01:07:39,240 --> 01:07:42,800

So while the UK was in complete disarray,

1344

01:07:42,800 --> 01:07:45,560

here we had an informal settlement

1345

01:07:45,560 --> 01:07:48,120

in an economically deprived region

1346

01:07:48,120 --> 01:07:51,840

with a population of half a

million outperforming the UK

1347

01:07:51,840 --> 01:07:53,640

and many first world nations.

1348

01:07:53,640 --> 01:07:57,440

They did that not because it was planned,

1349

01:07:57,440 --> 01:08:02,440

but they did it because focused

protection was on the table

1350

01:08:02,480 --> 01:08:03,800

from the very outset,

1351

01:08:03,800 --> 01:08:06,760

the authorities did a great

job protecting the vulnerable.

1352

01:08:06,760 --> 01:08:08,200

What they had not intended

1353

01:08:08,200 --> 01:08:12,440

was for COVID to spread

throughout the community.

1354

01:08:12,440 --> 01:08:16,560

But in doing so, they
arrived at a point where

1355

01:08:16,560 --> 01:08:19,200

herd immunity if you like had been reached

1356

01:08:19,200 --> 01:08:20,160

through those methods

1357

01:08:20,160 --> 01:08:22,560

that we would have traditionally proposed.

1358

01:08:22,560 --> 01:08:26,520

And that 68% level of
antibodies in the community

1359

01:08:26,520 --> 01:08:28,560

was reflected elsewhere.

1360

01:08:28,560 --> 01:08:30,120

We saw it in India,

1361

01:08:30,120 --> 01:08:33,760

we saw it in the Orthodox
Jewish community in London,

1362

01:08:33,760 --> 01:08:37,680

and we saw it in the Amish
communities in the USA.

1363

01:08:37,680 --> 01:08:42,400

So when this virus was left
to behave in a manner that

1364

01:08:42,400 --> 01:08:45,760

would allow it to spread
amongst the healthy,

1365

01:08:45,760 --> 01:08:47,240

they were typically getting to about

1366

01:08:47,240 --> 01:08:50,480

two thirds of the population
displaying antibody levels.

1367

01:08:50,480 --> 01:08:54,480

And the question of course was,
is professor Stadler right?

1368

01:08:54,480 --> 01:08:57,440

Does immunity from prior infection,

1369

01:08:57,440 --> 01:08:59,240

even if it's a different variant,

1370

01:08:59,240 --> 01:09:03,240

is that superior to
protection from the vaccines?

1371

01:09:03,240 --> 01:09:06,520

Because the consensus at the very outset

1372

01:09:06,520 --> 01:09:11,480

was that vaccination was the
only way out of the COVID grip.

1373

01:09:11,480 --> 01:09:13,920

In 2021, Prof Sir Andrew Pollard, Director
of the Oxford Vaccine Group stated that:

1374

01:09:14,0 --> 01:09:18,640

"...herd immunity by vaccination is not a possibility because it [Delta] still infects vaccinated individuals."

1375

01:09:19,40 --> 01:09:22,320

(upbeat ambient music)

1376

01:09:33,840 --> 01:09:36,920

- Is this an epidemic of lifestyle?

1377

01:09:36,920 --> 01:09:38,160

Yes, I think what we've had is

1378

01:09:38,160 --> 01:09:40,800

we've had a fast pandemic

in terms of COVID

1379

01:09:40,800 --> 01:09:45,800

that has exacerbated and taken advantage of a slow pandemic,

1380

01:09:46,320 --> 01:09:51,320

which is the pandemic of chronic

lifestyle related diseases

1381

01:09:51,920 --> 01:09:53,160

that have been putting stress

1382

01:09:53,160 --> 01:09:56,360

on our healthcare system

for many, many years.

1383

01:09:56,360 --> 01:09:59,720

And our NHS

certainly even before COVID

1384

01:09:59,720 --> 01:10:01,680

was already at breaking point,

1385

01:10:01,680 --> 01:10:05,40

but actually COVID has

broken the back of the NHS,

1386

01:10:05,40 --> 01:10:06,840

and the main reason behind this

1387

01:10:06,840 --> 01:10:09,920

is because we've failed
for many, many years

1388

01:10:09,920 --> 01:10:12,0
to tackle prevention head on,

1389

01:10:12,0 --> 01:10:15,800
specifically the biggest driver
of this chronic disease,

1390

01:10:15,800 --> 01:10:18,560
poor diet, I mean, ultra processed food,

1391

01:10:18,560 --> 01:10:20,440
which is a heart of the problem

1392

01:10:20,440 --> 01:10:23,920
is now half of the calorie
consumption in the British diet.

1393

01:10:23,920 --> 01:10:26,80
It's about 60% of the calorie consumption

1394

01:10:26,80 --> 01:10:28,0

in the United States.

1395

01:10:28,0 --> 01:10:30,720

And there's a very clear
correlation as we know already

1396

01:10:30,720 --> 01:10:32,640

with countries that had

1397

01:10:32,640 --> 01:10:36,80

more than 50% of the
population overweight or obese

1398

01:10:36,80 --> 01:10:39,400

had 90% of the deaths from COVID-19.

1399

01:10:39,400 --> 01:10:44,400

So poor metabolic health
means poor immune health.

1400

01:10:44,760 --> 01:10:47,40

But beyond this, we know
that the real drivers

1401

01:10:47,40 --> 01:10:49,0

of this problem are structural.

1402

01:10:49,0 --> 01:10:50,960

These are to do with the environment

1403

01:10:50,960 --> 01:10:54,120

and to do with misinformation

that is being subjected

1404

01:10:54,120 --> 01:10:57,440

on the public for the purposes of profit.

1405

01:10:57,440 --> 01:11:00,480

And the two real culprits

behind this in my view

1406

01:11:00,480 --> 01:11:04,200

are the food industry and

the pharmaceutical industry,

1407

01:11:04,200 --> 01:11:08,840

and the collusion of academics,

medical journals, doctors,

1408

01:11:08,840 --> 01:11:12,720

and politicians for financial
gain with these industries

1409

01:11:12,720 --> 01:11:14,480

is at the heart of the problem.

1410

01:11:14,480 --> 01:11:18,40

This needs to be exposed and
the public needs to understand

1411

01:11:18,40 --> 01:11:21,560

and realize that two of the
biggest enemies of democracy

1412

01:11:21,560 --> 01:11:25,360

are the food industry and
the pharmaceutical industry.

1413

01:11:25,360 --> 01:11:28,800

(tranquil ambient music)

1414

01:11:31,240 --> 01:11:32,520

- Eilis, has this man driving you mad

1415

01:11:32,520 --> 01:11:34,80

over the last year and a half?

1416

01:11:34,80 --> 01:11:35,720

- Oh, no, he's been our rock.

1417

01:11:35,720 --> 01:11:36,560

He's been fantastic.

1418

01:11:36,560 --> 01:11:37,680

- Is he?

- Yeah, yeah,

1419

01:11:37,680 --> 01:11:40,360

if only for Ivor like

so many people say,

1420

01:11:40,360 --> 01:11:42,440

that we all really appreciate.

1421

01:11:42,440 --> 01:11:44,0

- A lot of people have commented

1422

01:11:44,0 --> 01:11:45,280

that you've kept them sane,

1423

01:11:45,280 --> 01:11:47,40

but what in your opinion

1424

01:11:47,40 --> 01:11:50,40

is your greatest achievement
over the last 16 months?

1425

01:11:50,40 --> 01:11:54,320

- I think it's to bring some
rationality, logic and science

1426

01:11:54,320 --> 01:11:55,600

back to the proceedings

1427

01:11:55,600 --> 01:12:00,80

because the conch has been
owned by the narrative side,

1428

01:12:00,80 --> 01:12:03,160

and I think things have
been twisted beyond belief

1429

01:12:03,160 --> 01:12:06,400

on most vectors of this,
most aspects of the science,

1430

01:12:06,400 --> 01:12:09,880

believe it or not - have
been twisted remarkably.

1431

01:12:09,880 --> 01:12:14,80

So just to kind of on
each time or each aspect,

1432

01:12:14,80 --> 01:12:17,680

when stuff comes out that's
misleading or obfuscating

1433

01:12:17,680 --> 01:12:21,360

that I can quickly research
it, use my vast network

1434

01:12:21,360 --> 01:12:23,840

and quickly get out a very
understandable message

1435

01:12:23,840 --> 01:12:27,40

for ordinary people that
puts them in context,

1436

01:12:27,40 --> 01:12:29,680

proper context and explains
what the reality is.

1437

01:12:29,680 --> 01:12:33,960

So, yeah, I've been inundated with emails and messages

1438

01:12:33,960 --> 01:12:36,840

from people who said,
you've saved my sanity.

1439

01:12:36,840 --> 01:12:39,160

And it's funny how many say that,

1440

01:12:39,160 --> 01:12:41,80

originally one person said to me,

1441

01:12:41,80 --> 01:12:43,320

you know by telling people
what's really going on,

1442

01:12:43,320 --> 01:12:45,160

it might make them more depressed

1443

01:12:45,160 --> 01:12:48,800

realizing what a debacle this really is,

1444

01:12:48,800 --> 01:12:50,560

but it turned out in the end,

1445

01:12:50,560 --> 01:12:51,960

no, that didn't occur.

1446

01:12:51,960 --> 01:12:54,520

People were delighted to know the reality,

1447

01:12:54,520 --> 01:12:58,0

see the real data, see

things in proper context

1448

01:12:58,0 --> 01:13:00,560

and realize they were not going mad

1449

01:13:00,560 --> 01:13:04,200

as they instinctively thought,
what is going on here?

1450

01:13:04,200 --> 01:13:05,760

You know, they at least knew,

1451

01:13:05,760 --> 01:13:09,440

okay, it's some kind of
corruption or bias at the top.

1452

01:13:09,440 --> 01:13:10,320

I don't know exactly what it is

1453

01:13:10,320 --> 01:13:12,520

and why it's all over the world,

1454

01:13:12,520 --> 01:13:15,880

but at least I know I was
correct, I was not going mad.

1455

01:13:15,880 --> 01:13:19,160

A key thing to remember, I think is that

1456

01:13:19,160 --> 01:13:21,440

if you turned off the media,

1457

01:13:21,440 --> 01:13:24,120

no one would know there's an epidemic.

1458

01:13:24,120 --> 01:13:27,160

You know, even during

the surges in Ireland,

1459

01:13:27,160 --> 01:13:31,160

in both seasons, if you did

not have access to the media,

1460

01:13:31,160 --> 01:13:32,680

you would never know.

1461

01:13:32,680 --> 01:13:37,240

No one really knew anyone who

died, outside of odd person,

1462

01:13:37,240 --> 01:13:39,720

someone in a nursing

home or of elevated age

1463

01:13:39,720 --> 01:13:42,0

or with stage four cancer.

1464

01:13:42,0 --> 01:13:46,40

But most people did not know anyone

who died [outside of aged etc.].

1465

01:13:46,40 --> 01:13:46,880

Right.

1466

01:13:46,880 --> 01:13:51,400

Isn't that incredible in a

massive pandemic as we are told?