



Capitol Hill Steering Committee on Pandemic Preparedness & Health Security



JOHNS HOPKINS
BLOOMBERG SCHOOL
of PUBLIC HEALTH

Center for
Health Security

Transcript from July 20, 2022: Strengthening Private Public Partnerships in Pandemic Preparedness for National Security and Economic Competitiveness

1

00:00:08.069 --> 00:00:20.160

Andrea Lapp: Welcome to today's webinar strengthening private, public partnerships and pandemic preparedness for national security and economic competitiveness, our moderator Tom Inglesby will now begin.

2

00:00:22.470 --> 00:00:28.740

Tom Inglesby: Welcome, and thank you all for joining today for the Capitol Hill Steering Committee on pandemic preparedness and health security.

3

00:00:29.370 --> 00:00:32.580

Tom Inglesby: I'm Tom Inglesby, director of the Johns Hopkins Center for Health Security.

4

00:00:33.390 --> 00:00:47.190

Tom Inglesby: And the Capitol Hill Steering Committee is a bipartisan effort formed, with the support of 11 Congressional leaders and former administration officials who are committed to making the country and the world more prepared for the greatest health security threats.

5

00:00:48.570 --> 00:00:56.580

Tom Inglesby: The Steering Committee is managed by the Johns Hopkins Center for Health Security at the Bloomberg School of Public Health and the effort is supported by the Open Philanthropy Project.

6

00:00:58.140 --> 00:01:06.960

Tom Inglesby: The country's response to the pandemic has led to new public-private partnerships that have helped drive many of the major successes and their response to this pandemic.

7

00:01:08.010 --> 00:01:18.630

Tom Inglesby: These partnerships have led to the development, manufacture, and distribution of new vaccines, therapeutics, and diagnostic tests around the world and around the country.

8

00:01:19.770 --> 00:01:24.270

Tom Inglesby: These partnerships have also strengthen domestic manufacturing capacity of medical products.

9

00:01:25.890 --> 00:01:42.840

Tom Inglesby: Sustaining these public private partnerships and building a domestic bio industrial base to get us through this pandemic and far beyond it is a clear and high importance for the health and safety of the public for national security and for economic growth.

10

00:01:44.160 --> 00:01:54.270

Tom Inglesby: We need to use best practices for government and industry working together, not only to build a future pandemic preparedness, but also for the US to remain a leader in the global bio economy.

11

00:01:56.190 --> 00:02:04.170

Tom Inglesby: today's webinar will focus on what's necessary to incentivize create and sustain effective public private partnerships for pandemic preparedness.

12

00:02:05.190 --> 00:02:19.770

Tom Inglesby: and on what Congress can do to support and strengthen these partnerships, including the rule of the appropriations process and how all of this effort, helps the US to be better positioned in the global economy, to increase investments in health, security and life sciences.

13

00:02:20.790 --> 00:02:27.930

Tom Inglesby: Today we're honored to be joined by representative Richard Hudson an honorary co Chair of the Capitol Hill steering committee on pandemic preparedness and health security.

14

00:02:28.800 --> 00:02:35.040

Tom Inglesby: governor Mike Levitt a former Governor of utah and the former Secretary of health and human services under President George W Bush.

15

00:02:36.450 --> 00:02:41.520

Tom Inglesby: Dr Gary desborough director of the biomedical advanced research and development authority barda.

16

00:02:42.540 --> 00:02:46.530

Tom Inglesby: and Dr Michelle macmurray heat the President and CEO bio.

17

00:02:48.240 --> 00:02:50.370

Tom Inglesby: I first speaker today is representative Richard Hudson.

18

00:02:51.390 --> 00:03:04.350

Tom Inglesby: Congressman Hudson is serving his fifth term represented North Carolina's eighth Congressional district in the US House of Representatives he currently serves on the energy and commerce Committee and in house leadership is the Republican conference Secretary.

19

00:03:05.580 --> 00:03:19.350

Tom Inglesby: As a member of the House, energy and commerce committee representative Hudson is committed to making health care more affordable and accessible improving health care for veterans and harnessing all sources American energy to lower cost for everyone and create jobs in North Carolina.

20

00:03:20.700 --> 00:03:23.490

Tom Inglesby: Representative Hudson, thank you for joining us today and over to you.

21

00:03:26.130 --> 00:03:30.180

Rep. Richard Hudson: Well, thank you so much, Dr Inglesby it's great to be with you, and everyone today.

22

00:03:31.170 --> 00:03:38.790

Rep. Richard Hudson: Thanks also to Johns Hopkins Center for health, security and the Capitol Hill steering committee on pandemic preparedness and health security for hosting.

23

00:03:39.330 --> 00:03:47.550

Rep. Richard Hudson: This important and timely discussion I'm proud to be an honorary co Chair of the Steering Committee and you should be proud of the great work that you've completed.

24

00:03:48.480 --> 00:03:57.510

Rep. Richard Hudson: As you may know, I was also tapped to lead the pandemic preparedness and response issues for house Republicans taken over from my dear friend representative Susan Brooks.

25

00:03:57.870 --> 00:04:05.190

Rep. Richard Hudson: and putting me in a long line of members of Congress of work illness that began with my North Carolina colleague Richard Burt.

26

00:04:06.030 --> 00:04:15.960

Rep. Richard Hudson: As we discuss next steps to tackle our nation's preparedness and Congress it's crucial for Members and staff to engage with forums like this to examine the lessons from the coven 19 pandemic.

27

00:04:16.680 --> 00:04:28.020

Rep. Richard Hudson: Several things we've learned, public health, security is critical to national security and proper preparedness and response requires collaboration across government and the private sector.

28

00:04:28.890 --> 00:04:39.780

Rep. Richard Hudson: i'm glad this discussion is specifically centered around public private partnerships, ensuring we continue to build on and promote these partnerships as a priority for me as we look to future Congressional action.

29

00:04:40.920 --> 00:04:45.390

Rep. Richard Hudson: This was a major pillar of my work as a leader on the Republican healthy features Task Force.

30

00:04:46.080 --> 00:04:53.310

Rep. Richard Hudson: Last summer leader McCarthy created the task force and six others with the goal to create the next contract with America, if you will.

31

00:04:53.910 --> 00:05:07.620

Rep. Richard Hudson: I was selected to chair the healthy futures task for security subcommittee along with representative Jim banks and Tom Cole other subcommittees include monetization affordability treatment and the doctor patient relationship.

32

00:05:08.670 --> 00:05:14.520

Rep. Richard Hudson: Over the past year, our Subcommittee has solicit feedback on how to strengthen our nation's pandemic preparedness and supply chains.

33

00:05:15.090 --> 00:05:19.860

Rep. Richard Hudson: Many thanks to the members of this committee for your submission as part of that work.

34

00:05:20.460 --> 00:05:27.510

Rep. Richard Hudson: Our top goal is to ensure we are best position and mission ready for the next emerging health security threat, whatever that might be.

35

00:05:28.200 --> 00:05:38.610

Rep. Richard Hudson: Our subcommittee is focused on three buckets one is supply chains and accountability for China number two is pandemic preparedness and number three is public health security.

36

00:05:39.600 --> 00:05:51.540

Rep. Richard Hudson: We rolled out our priorities and may have importance of this discussion, one of our recommendations as to require hhs to collaborate with utilize and enable private sector expertise and capabilities.

37

00:05:52.230 --> 00:05:59.310

Rep. Richard Hudson: i'm thrilled This is also one of the major recurring themes and the feedback we received from so many stakeholders, including from this committee.

38

00:06:00.270 --> 00:06:09.900

Rep. Richard Hudson: We must ensure the Public Private Partnership infrastructure that was built around and drove the development for diagnostics therapeutics and vaccines is sustained.

39

00:06:10.950 --> 00:06:18.240

Rep. Richard Hudson: we're already taking some some steps on this front house proud to lead a jar 3743.

40

00:06:18.810 --> 00:06:24.960

Rep. Richard Hudson: Supporting the foundation for the national institutes of health and the Reagan you'd all foundation for the Food and Drug Administration act.

41

00:06:25.380 --> 00:06:40.440

Rep. Richard Hudson: which I worked on, along with my friend representative, an issue which was signed into law and the March this bill will allow and I and FDA to better coordinate and work with their nonprofit foundations and us increase the collaboration with the public private partnerships, they support.

42

00:06:41.700 --> 00:06:50.550

Rep. Richard Hudson: We all witnessed a successful operation warp speed, I want to see Congress bill on this model, this will require continued and robust investments in our public health security.

43

00:06:51.450 --> 00:07:00.510

Rep. Richard Hudson: Another of our subcommittees recommendations we're also looking at solutions to cut red tape across our health security systems and require accountable leadership.

44

00:07:00.990 --> 00:07:11.730

Rep. Richard Hudson: For those overseeing our nation's response, once the task force work is also being done with an eye towards next year's reauthorization of the pandemic and all hazards preparedness act or pop up.

45

00:07:12.690 --> 00:07:21.750

Rep. Richard Hudson: Originally crafted by Senator Byrd in 2006 this bill reformed our nation's emergency preparedness infrastructure, establishing aspirin barda.

46

00:07:23.610 --> 00:07:36.720

Rep. Richard Hudson: And some additional Papa subcommittee priorities include strengthen the strategic national stockpile which houses our medical countermeasures and supplies reaffirming our public health emergency medical countermeasures enterprise or fancy.

47

00:07:37.740 --> 00:07:47.010

Rep. Richard Hudson: reaffirming their mission to ensure a nation response agencies remain dynamic responsive unable to shift seamlessly between the administration's in between emergencies.

48

00:07:47.370 --> 00:07:54.300

Rep. Richard Hudson: And finally, improving our supply chains through appropriate incentives and tax reform to energize domestic manufacturing and innovation.

49

00:07:55.350 --> 00:08:04.800

Rep. Richard Hudson: while ago 19 pandemic displayed extraordinary challenges and holes in our health security preparedness and response, it also presented many opportunities to make lasting improvements.

50

00:08:05.400 --> 00:08:13.440

Rep. Richard Hudson: We must use these lessons to ensure we're prepared for any future threat, whether it be chemical, biological, radiological nuclear.

51

00:08:14.100 --> 00:08:20.070

Rep. Richard Hudson: or other emerging infectious disease, the CV or in threads or what keeps me up at night frankly.

52

00:08:21.000 --> 00:08:30.930

Rep. Richard Hudson: The reason conversation with aspirin don o'connell highlighted the importance of aspects continued focus on these threats of warfare, particularly in light of what we're seeing happening over Ukraine.

53

00:08:32.130 --> 00:08:40.500

Rep. Richard Hudson: Because I continue to work with my fellow Members of Congress, all these issues, I look forward to continuing to work with stakeholders and you on this committee.

54

00:08:41.310 --> 00:08:47.850

Rep. Richard Hudson: One thing is certain, as we address these issues it's got to be bipartisan we've got to have Republicans and democrats.

55

00:08:48.540 --> 00:08:55.920

Rep. Richard Hudson: working across the spectrum wellness, this is not a partisan issue shouldn't be a partisan issue and, frankly, will get better policy if we work together.

56

00:08:56.370 --> 00:09:02.070

Rep. Richard Hudson: And i've got a great partner with an issue and many others on our committee and, and I believe that.

57

00:09:02.910 --> 00:09:18.330

Rep. Richard Hudson: Next year, as we really get into the meat of Papa reauthorization this is going to be a bipartisan effort, so I encourage all of you to continue to engage in bipartisan discussions with Members of Congress and their staff on the necessity of public health, security, investments, particularly.

58

00:09:19.980 --> 00:09:25.680

Rep. Richard Hudson: And then, as we look to Papa reauthorization next year it's important that we engage all across.

59

00:09:26.310 --> 00:09:35.610

Rep. Richard Hudson: The congress, but particularly on the committee of jurisdiction and with that Thank you again for having me today I apologize i'm going to angie room off the energy commerce committee.

60

00:09:35.970 --> 00:09:45.930

Rep. Richard Hudson: floor i've gotta jump back in and introduce in a moment here on privacy bill we're working on, but it's really an honor to be with you and appreciate all the participants in today's discussion.

61

00:09:47.820 --> 00:09:48.870

Tom Inglesby: Thanks very much Congressman.

62

00:09:50.160 --> 00:09:52.530

Tom Inglesby: Do you have time for a question now are you headed back for a vote.

63

00:09:53.070 --> 00:09:55.650

Rep. Richard Hudson: Well, I don't see staff behind me waving their arms.

64

00:09:56.010 --> 00:10:02.010

Tom Inglesby: Okay, that are great well as long as you have time for one question just wanted to follow up with just a question about.

65

00:10:03.060 --> 00:10:17.400

Tom Inglesby: how you think, given your work, your leadership on this issue, how do you think agencies such as CDC and barda can both be encouraged and empowered to do more of this Public Private Partnership work, what do we need to have in place for those things to be successful.

66

00:10:18.360 --> 00:10:25.470

Rep. Richard Hudson: Well, short answer is you gotta have sustained funding from Congress on one hand and then you've got long term contracts.

67

00:10:26.220 --> 00:10:36.000

Rep. Richard Hudson: So the private sector can have some predictability so the there'll be willing to make long term investments and so it's really Those are the two key things.

68

00:10:36.990 --> 00:10:43.020

Rep. Richard Hudson: You know we've got to continue from congress's standpoint to support our public health sector security infrastructure.

69

00:10:43.950 --> 00:10:50.340

Rep. Richard Hudson: You know, and that means I guess a reliable funny for for barda for the SNS for project bio shield.

70

00:10:51.180 --> 00:10:59.340

Rep. Richard Hudson: You know, as many companies have witnessed or the code 19 pandemic partnering with the government can can come with great opportunity for growth.

71

00:11:00.210 --> 00:11:06.540

Rep. Richard Hudson: But can also come with a State risk if the federal support is not reliable, it is not sustain.

72

00:11:06.960 --> 00:11:16.470

Rep. Richard Hudson: And you know we think through we're thinking through a lot of proposals, right now, like warm based manufacturing and reserve capacity as an alternative to just warehousing everything.

73

00:11:17.070 --> 00:11:20.130

Rep. Richard Hudson: which requires significant investment from our private partners.

74

00:11:20.790 --> 00:11:25.350

Rep. Richard Hudson: We must ensure that will provide dependable consistent support investments from the Federal government's end as well, I.

75

00:11:25.740 --> 00:11:34.110

Rep. Richard Hudson: mean frankly I think I could probably get the support in Congress now to fund a program like that, but I worry two years from now four years from now, six years from now.

76

00:11:34.530 --> 00:11:44.070

Rep. Richard Hudson: As we get further away from the pandemic will you have that commitment from from politicians is, you know as other crisis emerges, you know, we obviously have a.

77

00:11:44.940 --> 00:11:53.430

Rep. Richard Hudson: Big deficit problem here in this country, and so you know that's probably the thing I worry most about long term is will there be that commitment there.

78

00:11:53.880 --> 00:12:07.170

Rep. Richard Hudson: To do the funding that's necessary so that infrastructure state robust and so these agencies again can do these long term contracts, so the private sector will make the investments they need to do to make this all work.

79

00:12:09.270 --> 00:12:16.110

Tom Inglesby: Okay, with that will let you go back to the other work that you're doing today thanks thanks again for being part of this, and thanks for all you're doing on these issues Congressman.

80

00:12:16.590 --> 00:12:17.430

Rep. Richard Hudson: Great Thank you.

81

00:12:18.720 --> 00:12:28.890

Tom Inglesby: Okay, our next speaker is governor Mike letter governor 11 is the founder of leavitt partners healthcare consulting firm and a former three term Governor of utah.

82

00:12:29.490 --> 00:12:41.100

Tom Inglesby: He served in the Cabinet President George W Bush, as the administrator of the EPA from 2003 to 2005 and as Secretary of the Department of Health and human services from 2005 to 2009.

83

00:12:41.880 --> 00:12:56.250

Tom Inglesby: At hhs to Minister to 750 billion dollar budget nearly 25% of the entire federal budget and 67,000 employees so from that perspective we're really grateful to have governor Levitt with us today and got her love it over you.

84

00:12:57.480 --> 00:13:19.830

Governor Mike Leavitt: and Dr angles, we thank you for allowing me to join today i'd like to actually to begin talking a bit about my time as Secretary and the moment at which pandemic readiness became a big part of my life I had been serving for maybe four or five months I had a.

85

00:13:20.940 --> 00:13:24.930

Governor Mike Leavitt: matter show up on my schedule, it was going to be a briefing from the CDC.

86

00:13:26.340 --> 00:13:32.460

Governor Mike Leavitt: They told me that there was a virus that had pandemic potential.

87

00:13:34.260 --> 00:13:35.700

Governor Mike Leavitt: They began to describe.

88

00:13:36.870 --> 00:13:52.650

Governor Mike Leavitt: That if it became a pandemic what their identification would be i'm going to confess that, at that point in my life i'm sure I had heard the word pandemic i'm not sure i'd ever used it in a sentence, however, and I think the next day.

89

00:13:53.970 --> 00:14:08.550

Governor Mike Leavitt: A young colleague of mine came in, to emphasize how important this could be by providing me with a couple of books first book was actually the great influenza so history of the.

90

00:14:09.780 --> 00:14:12.510

Governor Mike Leavitt: pandemic written by john berry.

91

00:14:13.620 --> 00:14:24.180

Governor Mike Leavitt: The second was actually a record of a Congressional hearing, where the Congress had undertaken an investigation as to why.

92

00:14:24.720 --> 00:14:37.560

Governor Mike Leavitt: A certain aspect of pandemic preparedness had not gone well and his message to me was if you don't take this seriously there's going to be one of these, and that will be about you and that caught my attention.

93

00:14:38.640 --> 00:14:44.760

Governor Mike Leavitt: I began to read and I began to study I began to learn at this pandemic influenza this pandemic.

94

00:14:45.810 --> 00:14:57.690

Governor Mike Leavitt: virus potential was it was a bird flu i'm pleased that, of course, history records, it did not become a pandemic, but it was, I think the first warning in a.

95

00:14:58.110 --> 00:15:09.780

Governor Mike Leavitt: In a decade or so the need for pandemic preparedness, as I began to study pandemics, it became evident to me that, whenever a pandemic happens it changes the world.

96

00:15:10.440 --> 00:15:20.550

Governor Mike Leavitt: Now that wasn't a time when we had not been thinking about pandemics, we now all have the pandemic T shirt we've experienced a bona fide pandemic.

97

00:15:21.360 --> 00:15:28.740

Governor Mike Leavitt: But one of the things that the history of pandemics demonstrates, is that, first of all, they happen, and they happen with regularity.

98

00:15:29.400 --> 00:15:42.270

Governor Mike Leavitt: Secondly, they almost always occur with enough period of time in between that people forget and i'd like to suggest that's my first point today is how easily we forget.

99

00:15:43.260 --> 00:15:50.820

Governor Mike Leavitt: is inherent in our in our it's an inherent tendency, I might add that we all.

100

00:15:51.540 --> 00:16:00.360

Governor Mike Leavitt: take these very seriously well they're happening, but already you can begin to see the urgency with this pandemic, despite the.

101

00:16:00.780 --> 00:16:05.880

Governor Mike Leavitt: tremendous impact it's had on us and around the world we've begun to take it less seriously.

102

00:16:06.870 --> 00:16:25.140

Governor Mike Leavitt: The second thing I would I would less than I would title Mother Nature gives up its secrets grudgingly solutions and pandemics don't come quickly, we take a lot of satisfaction in the fact in our development of a vaccine, in the course of.

103

00:16:26.310 --> 00:16:39.690

Governor Mike Leavitt: One year what is left from that conclusion is that the the M RNA technology that under underlies that ability to turn it around in a year.

104

00:16:40.170 --> 00:16:47.130

Governor Mike Leavitt: was actually funded over the course of about 15 years through government support coming from pandemic readiness funds.

105

00:16:47.760 --> 00:17:05.250

Governor Mike Leavitt: That had it not been research for 10 to 15 years that secret of Mother Nature could never have been unfolded in a year it was made it possible, was a sustained investment in research to provide that kind of technology.

106

00:17:06.330 --> 00:17:08.310

Governor Mike Leavitt: The third thing i'll point to is.

107

00:17:09.660 --> 00:17:14.550

Governor Mike Leavitt: Is is what's the theme of today, the need for public private partnerships.

108

00:17:15.570 --> 00:17:35.070

Governor Mike Leavitt: Government leadership is an absolute necessity in a pandemic, however, government has its limitations may become abundantly clear as pandemics begin to test them governments can't serve as the innovator in chief governments cannot manufacturer products.

109

00:17:36.330 --> 00:17:50.490

Governor Mike Leavitt: We require the kind of know how that's available in the private sector to solve these problems, so the whole idea of private and public partnerships is a necessity in our pandemic planning.

110

00:17:51.960 --> 00:18:03.540

Governor Mike Leavitt: The fourth thing i'll point to is that need for biosecurity to be thought of as a category of our national Defense it should be.

111

00:18:04.590 --> 00:18:15.120

Governor Mike Leavitt: Completely evident to all of us that there is no force that can be as damaging as nature, in this case a pandemic.

112

00:18:15.510 --> 00:18:22.710

Governor Mike Leavitt: And you look at the \$10 trillion of additional depth in our country has when you think of the millions of lives around the world and the million here.

113

00:18:23.100 --> 00:18:35.460

Governor Mike Leavitt: This is a very serious matter and it requires a sustained a substantial and a stable level of funding or go back to the vaccine.

114

00:18:36.300 --> 00:18:47.160

Governor Mike Leavitt: point that I made earlier, we could never have had the M RNA based vaccines, had we not been investing in them over the 10 years previous.

115

00:18:47.940 --> 00:18:58.590

Governor Mike Leavitt: That can be said in other areas of pandemics, for example, the Ebola situation that was unfolding in Africa gratefully there was a vaccine why.

116

00:18:59.070 --> 00:19:11.460

Governor Mike Leavitt: Because a scientists had quietly been working on that vaccine for 10 years that i'm aware of, had they not we could have never had a vaccine that put a stop to that.

117

00:19:12.120 --> 00:19:24.720

Governor Mike Leavitt: Where it where it popped up in Africa, and I think the world was saved a terrible dilemma, and finally, I will just say that, for this to occur, we need champions.

118

00:19:25.290 --> 00:19:51.990

Governor Mike Leavitt: And it is difficult to sustain outside of government support for planning if there's one lesson I learned in three years of pandemic planning and readiness it's this that talking about a pandemic always sounds alarmist, but after a pandemic starts anything you have done seems inadequate.

119

00:19:53.220 --> 00:20:07.110

Governor Mike Leavitt: This requires champions inside the government to continue to press forward for a sustained substantial and stable amount of funding it requires that we have private.

120

00:20:08.130 --> 00:20:14.460

Governor Mike Leavitt: public partnerships that are not just made in the moment of need that are sustained over a long period of time.

121

00:20:14.820 --> 00:20:24.630

Governor Mike Leavitt: It requires us to be researching the next potential pandemic that conga line of viruses that are out there that could become pandemic in nature.

122

00:20:25.230 --> 00:20:35.130

Governor Mike Leavitt: And it requires that we not forget those are the lessons and Dr inglesby i'm happy to be able to recount my thoughts and look forward to your questions.

123

00:20:35.820 --> 00:20:41.520

Tom Inglesby: Thanks so much governor let it we're going to we'll take questions at the end after are falling two speakers really appreciate those remarks.

124

00:20:42.270 --> 00:20:46.320

Tom Inglesby: And now we'll move to our next speaker Dr Gary desborough.

125

00:20:47.220 --> 00:20:57.330

Tom Inglesby: Dr this bro is the director of the biomedical advanced research and development authority or barta a component of the office of the Assistant Secretary for preparedness and response in hhs.

126

00:20:57.870 --> 00:21:13.140

Tom Inglesby: Dr destroyed joined barta and 2007 and hazard has had a range of positions and now has been the director for a bar for some time and throughout the course this pandemic and just put thanks so much for joining us today over to you.

127

00:21:15.120 --> 00:21:22.170

Gary Disbrow: So thanks Dr inglesby I really appreciate the invitation and the opportunity to discuss how barda strengthens.

128

00:21:22.530 --> 00:21:32.160

Gary Disbrow: National Security through public private partnerships, and this is going to be a boots on the ground perspective that I give so Bart his mission is to improve preparedness and response.

129

00:21:32.610 --> 00:21:40.410

Gary Disbrow: through public private partnerships that advance innovative technologies and support advanced research and development, manufacturing and procurement.

130

00:21:40.800 --> 00:21:50.490

Gary Disbrow: of medical countermeasures that protect against health security threats such as chemical, biological, radiological nuclear CB or any incidents endemic influenza coven.

131

00:21:51.090 --> 00:22:02.850

Gary Disbrow: and other emerging infectious diseases barter plays a critical role in preparing for and responding to public health emergencies and other outbreaks, both nationally and globally, and some of those were mentioned.

132

00:22:03.690 --> 00:22:11.250

Gary Disbrow: By governor Levitt the barter model has proven successful in leveraging public private partnerships to accelerate development of mcs.

133

00:22:11.820 --> 00:22:23.760

Gary Disbrow: that are vital to national security over the last 15 years barta has supported 63 FDA approvals licenses or clearances of mcs that cut across our threat space.

134

00:22:24.450 --> 00:22:37.740

Gary Disbrow: Since its inception barta has been mobilized respond to the H1 and one pandemic zico Ebola Zaire multiple times the Cobra 19 public health emergency and now the monkey pox outbreak.

135

00:22:38.400 --> 00:22:45.210

Gary Disbrow: As well as prepared to respond to prepare nemec influenza outbreak, such as age, five and one in eight seven and nine.

136

00:22:45.780 --> 00:22:54.810

Gary Disbrow: These experiences underscore the importance of mobilizing quickly and leveraging partnerships and identifying proven technologies that can be rapidly adapted to the new threats.

137

00:22:55.860 --> 00:23:06.870

Gary Disbrow: Part of partnerships are true partnerships, not only does barda provide funding but brings to the table clinical non clinical and regulatory subject matter expertise in manufacturing know how.

138

00:23:07.290 --> 00:23:13.680

Gary Disbrow: To companies, as well as expertise in contracting with a team that is responsive and collaborative with our partners.

139

00:23:14.190 --> 00:23:22.980

Gary Disbrow: This helps companies overcome technical challenges with the goal of bringing these technologies to licensure faster and making them available to the American public.

140

00:23:23.670 --> 00:23:31.620

Gary Disbrow: Our newest partnership example as part of ventures under the 21st century cures act barter was provided with the authority to partner with a venture capital firm.

141

00:23:32.100 --> 00:23:35.070

Gary Disbrow: part is now partnered with global health investment Corporation.

142

00:23:35.400 --> 00:23:48.150

Gary Disbrow: and has provided funds that are leading to these initial investments, and this is a new partner, a model that allows barDA to invest in innovative technologies to address preparedness and response some covert 19 specific examples.

143

00:23:49.200 --> 00:23:55.350

Gary Disbrow: You know, speed and being able to pivot existing proven technologies to expedite the availability of mcs.

144

00:23:56.910 --> 00:24:06.720

Gary Disbrow: The detect treat and prevent covert 19 and we're supported these efforts, with annual appropriations, even before supplemental funding was provided in mid march of 2020.

145

00:24:07.410 --> 00:24:13.770

Gary Disbrow: Establishing domestic based manufacturing capabilities and supply chain for Cobra 19 medical kind of measures.

146

00:24:14.190 --> 00:24:24.810

Gary Disbrow: De risking development through advanced purchase agreements in the usg assuming the financial burden of scaling up manufacturing to commercial scale why the clinical trials were being conducted.

147

00:24:25.170 --> 00:24:34.530

Gary Disbrow: This allowed for the vaccine to be available after FDA granted emergency use authorization just a couple of examples of how we leverage our flexible partnerships.

148

00:24:35.220 --> 00:24:51.090

Gary Disbrow: barDA supported regeneration to develop monoclonal antibodies against Ebola virus This led to the first licensed Ebola therapeutic and this partnership was leveraged to have them quickly move, excuse me, to the development of coven 19 therapeutics which were.

149

00:24:52.560 --> 00:25:01.590

Gary Disbrow: Provided emergency use authorization within six months, but also invested in Mr RNA based vaccines against the previous emerging zeke virus.

150

00:25:02.040 --> 00:25:12.960

Gary Disbrow: And the companies that we work with we helped expand their manufacturing base so that they would move to a more larger scale of manufacturing and applied that to create vaccines against.

151

00:25:14.760 --> 00:25:25.950

Gary Disbrow: So during the Cobra 19 pandemic, we also opened up our corona watch portal, which is built on our success of the tech watch portal, and this is key to interacting with our industry partners.

152

00:25:26.910 --> 00:25:34.200

Gary Disbrow: This portal could have served as a single point of entry for any company that was interested in partnering with the Federal Government.

153

00:25:34.830 --> 00:25:44.280

Gary Disbrow: We brought together the usg from across hhs as well as other departments to listen to these technologies and prioritize those that we thought would have the highest impact.

154

00:25:44.790 --> 00:25:53.280

Gary Disbrow: we've received over more than 4700 market research submissions and held over 765 corona watch meetings with companies.

155

00:25:54.060 --> 00:25:59.430

Gary Disbrow: Are total investments have led to 140 partnerships as part of our coven 19 response.

156

00:25:59.910 --> 00:26:12.120

Gary Disbrow: This has led to four vaccines with emergency use authorizations and two with licensure seven therapeutics with the way 29 diagnostics and we continue to partner with these companies.

157

00:26:12.960 --> 00:26:17.460

Gary Disbrow: And I just want to go back to something that Congressman Hudson said, the two keys.

158

00:26:17.940 --> 00:26:32.070

Gary Disbrow: are sustainable sustainable funding and when we work with companies, giving them those long term contracts, so that they can understand what the government's long term investment is going to be so that they can share in that investment for the long term, thanks TIM.

159

00:26:43.590 --> 00:26:56.010

Tom Inglesby: Thanks so much Dr distro and now we will turn to our final speaker Dr Michelle macmurray heath gotcha mcmurray heaters President and CEO the biotechnology innovation organization bio.

160

00:26:57.240 --> 00:27:05.640

Tom Inglesby: Dr Murray, he leads the world's largest biotechnology advocacy group as it supports its members that are discovering and deploying scientific breakthroughs.

161

00:27:06.240 --> 00:27:10.950

Tom Inglesby: To improve human health, environmental stewardship and sustainable agriculture.

162

00:27:11.700 --> 00:27:18.390

Tom Inglesby: She came to bio from Johnson and Johnson, where she served as global head of evidence generation for medical device companies and then VP.

163

00:27:18.870 --> 00:27:32.220

Tom Inglesby: For global external innovation and global lead for regulatory sciences, President Obama named her associate science director of the FDA Center for devices and radiological health thanks so much for joining us today, Dr Murray heath and over to you.

164

00:27:33.450 --> 00:27:35.610

Michelle McMurry-Heath: Tom, thank you for that kind introduction.

165

00:27:37.020 --> 00:27:39.000

Michelle McMurry-Heath: And I am wondering, can you hear me.

166

00:27:40.350 --> 00:27:41.010

Tom Inglesby: Yes, we can.

167

00:27:41.250 --> 00:27:41.790

Okay, great.

168

00:27:43.260 --> 00:27:54.630

Michelle McMurry-Heath: Wonderful so I appreciate this opportunity to join this esteemed panel and share our views, those of the biotech industry on this very important topic.

169

00:27:54.990 --> 00:28:03.270

Michelle McMurry-Heath: And we continue to see great attention paid to pandemic preparedness and rightly so, as much as we thought.

170

00:28:04.020 --> 00:28:09.240

Michelle McMurry-Heath: We were prepared for an event like coded the virus continues to prove that we are not.

171

00:28:09.990 --> 00:28:16.590

Michelle McMurry-Heath: But among the silver linings from the pandemic was the demonstrated power of cross sector partnerships.

172

00:28:17.010 --> 00:28:23.940

Michelle McMurry-Heath: Such as Operation warp speed and built on barda success and expertise operation warp speed was a trial.

173

00:28:24.480 --> 00:28:37.350

Michelle McMurry-Heath: Delivering life saving vaccines and therapeutics in record time, and much of its success is due to the establishment of accelerated pathways for development testing and approval of vaccine candidate.

174

00:28:38.130 --> 00:28:45.330

Michelle McMurry-Heath: warp speed guarantees funding an expedited delivery of products mitigate that mitigated the risk.

175

00:28:45.870 --> 00:28:53.970

Michelle McMurry-Heath: For industry partners and who reallocated their research and manufacturing assets to develop code 19 medical countermeasures.

176

00:28:54.720 --> 00:29:04.320

Michelle McMurry-Heath: This isn't something to take lightly companies have to consider the viability of their business every time they make a research investment or production decision.

177

00:29:04.980 --> 00:29:17.550

Michelle McMurry-Heath: Public support was a critical factor for many, although I will know that about 1100 biotech companies, mostly small but small and large initiated covert research programs.

178

00:29:18.180 --> 00:29:30.540

Michelle McMurry-Heath: They stopped what they were doing to help society and its moment of need moving forward, however, the current levels of annual government funding or not sufficient to respond to the next health emergency.

179

00:29:31.080 --> 00:29:37.410

Michelle McMurry-Heath: And while funding is not the only factor in successful public private partnerships it's absolutely vital.

180

00:29:37.950 --> 00:29:47.670

Michelle McMurry-Heath: warp speed had a limited lifespan and now its mission will once again be carried out by barda with it's impressive track record and industry partnerships.

181

00:29:48.240 --> 00:29:56.400

Michelle McMurry-Heath: We have to ensure that barda is properly funded, so that it can continue to strengthen our preparedness and our response capabilities.

182

00:29:57.090 --> 00:30:02.250

Michelle McMurry-Heath: stable funding creates important new opportunities for R amp D manufacturing and testing.

183

00:30:02.760 --> 00:30:13.260

Michelle McMurry-Heath: It prevents the inefficiency caused when businesses ramp their efforts up and down as they switch between a war and peace time footing against pandemics.

184

00:30:14.010 --> 00:30:21.960

Michelle McMurry-Heath: And it provides the certainty that industry needs to make life saving investments in novel platform technologies before it's too late.

185

00:30:22.710 --> 00:30:31.350

Michelle McMurry-Heath: To this end, biotech companies are prepared to work with the government to make investments in new technologies for vaccines and therapeutics.

186

00:30:31.830 --> 00:30:38.250

Michelle McMurry-Heath: Also for novel antivirals and access manufacturing capacity that can be activated when needed.

187

00:30:39.030 --> 00:30:46.110

Michelle McMurry-Heath: that's why bio support allocating funding today that will allow for a timely or and life saving response tomorrow.

188

00:30:46.980 --> 00:30:54.630

Michelle McMurry-Heath: The stability would also decrease the need for Congress to try and pass emergency appropriations bills during a crisis.

189

00:30:55.530 --> 00:31:03.840

Michelle McMurry-Heath: In some the phrase an ounce of prevention is worth a pound of cure could not be more apt in this circumstance so.

190

00:31:04.560 --> 00:31:19.380

Michelle McMurry-Heath: industry can do it, but mission control must point the way luckily smart bipartisan and by Cameron ideas have been proposed and bio supports the prevent act to respond to both existing threats and emerging ones.

191

00:31:19.950 --> 00:31:29.460

Michelle McMurry-Heath: We support the administration's pandemic preparedness plan that lays out a bold investment strategy to achieve ambitious and critically needed preparedness goals.

192

00:31:30.120 --> 00:31:39.120

Michelle McMurry-Heath: And we back Senator baldwins disease Expo and representative hudson's efforts to reauthorize the pandemic and all hazards preparedness act next year.

193

00:31:39.630 --> 00:31:47.340

Michelle McMurry-Heath: And we've submitted our feedback and guidance to the healthy futures task force that is working to find answers to our health security needs.

194

00:31:48.240 --> 00:32:00.870

Michelle McMurry-Heath: Additionally, Congress should authorize a health Defense operations budget designation for a narrow set of health security programs projects and activities critical to national security.

195

00:32:01.440 --> 00:32:12.960

Michelle McMurry-Heath: This each do designation would exempt certain programs from statutory budget caps, to ensure that Congress is able to appropriate sufficient sums to protect our health security.

196

00:32:14.130 --> 00:32:24.330

Michelle McMurry-Heath: Collaboration and prioritization are key as well and that's why bio also supports having an organization like active become a turnkey part of the pandemic response plans.

197

00:32:24.990 --> 00:32:37.500

Michelle McMurry-Heath: And it's wise, we support efforts by bar the NIH and the CDC to create and prioritize a list of emerging infectious diseases virus families and vector borne pathogens.

198

00:32:38.280 --> 00:32:45.480

Michelle McMurry-Heath: And lastly, I'd be remiss, not to mention the impact of the TRIPS decision on covert vaccines at the World Trade Organization.

199

00:32:46.050 --> 00:32:56.220

Michelle McMurry-Heath: Biotech leaders are already expressing hesitancy about making new investments, even the uncertainty created by allowing an intellectual property waiver for vaccines.

200

00:32:56.880 --> 00:33:05.280

Michelle McMurry-Heath: Encourage everyone listening to learn more about this issue, particularly in light of our collective vaccine success over the past two and a half years.

201

00:33:05.670 --> 00:33:15.540

Michelle McMurry-Heath: And the current global oversupply of covert vaccine doses it's not just our companies making these decisions, it's investors choosing where to place their bets.

202

00:33:15.990 --> 00:33:21.030

Michelle McMurry-Heath: And TRIPS makes pandemic preparedness a much riskier enterprise for them.

203

00:33:21.900 --> 00:33:33.840

Michelle McMurry-Heath: In conclusion, let me note that mRNA technology advanced slowly, for years, and under the radar scientists labored to improve the technology in the belief that it could one day be a game changer.

204

00:33:34.410 --> 00:33:48.780

Michelle McMurry-Heath: And, as a result, there was enough progress that mRNA is a paid-off in a big way when COVID struck by investing now by partnering now and by coordinating now we can be ready for the next pathogen.

205

00:33:49.800 --> 00:34:00.690

Michelle McMurry-Heath: Monkeypox is a warning sign knocking on our door. Industry is ready to move forward, we can do the research, begin to scale up and seek greater commercialization.

206

00:34:01.140 --> 00:34:05.340

Michelle McMurry-Heath: But we need the incentives and the guidance to make it more viable and possible.

207

00:34:06.030 --> 00:34:14.640

Michelle McMurry-Heath: Sustained public private partnerships and pandemic preparedness can prevent the heartache of recent years and achieve what we all want.

208

00:34:15.180 --> 00:34:18.870

Michelle McMurry-Heath: For people everywhere, to be able to live the healthy lives they deserve.

209

00:34:19.560 --> 00:34:33.840

Michelle McMurry-Heath: There may be many priorities and cost rights cost right now, but the biggest cost will come if we remain unprepared for the next pandemic so let's work together to prevent that Thank you, I look forward to your questions.

210

00:34:35.310 --> 00:34:41.520

Tom Inglesby: Thanks so much Dr Barry heath So if you have a question, please.

211

00:34:42.780 --> 00:34:51.990

Tom Inglesby: put it in the Q amp a box and we have a number of questions to start we'll start with a question for governor let it so gather you had.

212

00:34:53.400 --> 00:34:58.170

Tom Inglesby: Many years of experience, running the agencies of hhs NIH FDA CDC.

213

00:35:00.750 --> 00:35:15.390

Tom Inglesby: And in your in your experience and judgment, what do you think is work could be most useful in fostering stronger partnerships between hhs agencies and industry for for all of these purposes.

214

00:35:18.060 --> 00:35:25.770

Governor Mike Leavitt: I will offer a four things the first would be perpetual experimentation on models that incentivize the private sector.

215

00:35:28.080 --> 00:35:33.300

Governor Mike Leavitt: There is a need for us to try things and then to iterate and improve them.

216

00:35:34.320 --> 00:35:41.910

Governor Mike Leavitt: Second, would be procurement statutes that allow this kind of part of partnership to be made rapidly.

217

00:35:43.290 --> 00:35:45.630

Governor Mike Leavitt: In moments where they're needed.

218

00:35:47.250 --> 00:35:49.320

Governor Mike Leavitt: Statutory barriers slow them down.

219

00:35:50.580 --> 00:36:04.230

Governor Mike Leavitt: The third is flexibility within line items within hhs all four of those agencies, while at hhs have individual budgets, prepared by the Congress.

220

00:36:04.560 --> 00:36:21.930

Governor Mike Leavitt: With language intended to restrict them in a way that makes it sometimes impossible for all four of them, or some combination of before to enter into unique partnerships that could in fact make a big difference and then lastly.

221

00:36:23.430 --> 00:36:39.210

Governor Mike Leavitt: You have to approach this with an attitude of collaboration we have to solve problems in a multi disciplinary way across agencies among firms we've seen a lot of that with the covert vaccine, we need to learn from it and deploy it again and again.

222

00:36:42.030 --> 00:36:47.580

Tom Inglesby: Great thanks so much okay we're gonna turn I believe we have a question from Dr money on sore from mitre.

223

00:36:48.600 --> 00:36:49.260

Monique K Mansoura: If we great.

224

00:36:49.650 --> 00:36:50.400

Monique K Mansoura: Tom can you hear me.

225

00:36:50.790 --> 00:36:52.050

Monique K Mansoura: Yes, no.

226

00:36:52.650 --> 00:37:00.570

Monique K Mansoura: Great upstanding panel Thank you all, I want to follow up on something you all have touched on, and that is the idea of you know.

227

00:37:01.470 --> 00:37:10.290

Monique K Mansoura: Do we know we're prepared we thought we prepared and maybe we were and maybe we weren't can we speak a little bit to the metrics and accountability and.

228

00:37:10.710 --> 00:37:18.630

Monique K Mansoura: To build on what governor 11 just spoke to the perpetual experimentation and what might that look like in inter crisis.

229

00:37:18.930 --> 00:37:24.210

Monique K Mansoura: Periods we've seen leaders to the White House is part of the American pandemic preparedness plan, as well as.

230

00:37:24.570 --> 00:37:31.140

Monique K Mansoura: mitre another's advocate for sort of a test and evaluation program with meaningful metrics that really might drive innovation.

231

00:37:31.620 --> 00:37:47.640

Monique K Mansoura: incentivize these public private partnerships and also touched on this issue of US competitiveness, how important is the sector is this biotechnology critical for not only pandemic preparedness and health, security, but really us competitiveness, thank you.

232

00:37:48.810 --> 00:37:50.580

Tom Inglesby: Okay number of good questions in there.

233

00:37:50.580 --> 00:37:51.090

Tom Inglesby: So maybe.

234

00:37:51.120 --> 00:37:57.180

Tom Inglesby: Just kind of go around and see if people have reactions to part or all those questions to disproving any reactions.

235

00:37:57.690 --> 00:38:13.170

Gary Disbrow: yeah so monique appreciate the question you know its sustainability is is the key, and you know I think you know governor Levitt mentioned that and it really is, you know.

236

00:38:14.460 --> 00:38:25.350

Gary Disbrow: Public Private Partnerships are essential for us to be prepared, we have requirements, and you know monique knows this, you know previously working in the astral organization.

237

00:38:25.890 --> 00:38:36.990

Gary Disbrow: But that is just one metric and you know we don't have sufficient funding to meet most of those requirements, so we can get a certain level of preparedness.

238

00:38:37.530 --> 00:38:44.550

Gary Disbrow: And then inform congress on you know, the level of preparedness that we can sustain based on that overall requirement.

239

00:38:44.850 --> 00:38:54.330

Gary Disbrow: But as we move forward in the American pandemic preparedness plan and we you know develop prototype vaccines and new therapeutics and you know threat agnostic diagnostics.

240

00:38:54.780 --> 00:39:06.540

Gary Disbrow: We really have to collectively think about what is the you know overall requirement for these as we move forward so it's important to if you're developing a prototype vaccine for a specific virus family.

241

00:39:07.650 --> 00:39:17.430

Gary Disbrow: it's critical to do the phase one and phase two, but we also have to scale up to commercial scale the manufacturing process, because that was still the long pole in the tent for coven.

242

00:39:17.940 --> 00:39:27.360

Gary Disbrow: Was the manufacturing process and show that we can validate it and manufacturing at scale and then making a determination of how much of that do we stockpile.

243

00:39:27.900 --> 00:39:40.740

Gary Disbrow: versus you know, maintaining a warm base and so it's really, we have to collectively not only identify the pathogens that we're going to go after but also, you know how much for vaccines and therapeutics and diagnostics for each of those.

244

00:39:42.360 --> 00:39:51.990

Michelle McMurry-Heath: Can I touch upon that as well Tommy has no I I think you're completely right Gary about the manufacturing capacity, being the most difficult to keep warm.

245

00:39:52.320 --> 00:40:02.490

Michelle McMurry-Heath: it's difficult to know that the plants are going to be able to adapt and or revive themselves when needed, an important part of our response to cope it has been.

246

00:40:03.210 --> 00:40:19.470

Michelle McMurry-Heath: Our company starting over 350 global manufacturing partnerships around the world, trying to make sure that we have dispersed manufacturing capacity globally and are able to scale up vaccine production in every corner of the world.

247

00:40:19.890 --> 00:40:30.480

Michelle McMurry-Heath: I think we can go a long way in showing our commitment to that by having public private partnerships in the US continue to help foster and keep those efforts.

248

00:40:30.900 --> 00:40:45.330

Michelle McMurry-Heath: alive and going but it's very critically important to do, and then we need to your question about international competitiveness and US competitiveness it's such an important question, this is one of the incredibly rare areas of science, where we have.

249

00:40:46.950 --> 00:40:56.580

Michelle McMurry-Heath: You know our own government advocating for giving away intellectual property, even in the face of having delivered 12 billion doses of polio vaccines globally and seeing.

250

00:40:57.510 --> 00:41:07.740

Michelle McMurry-Heath: On the levels of hundreds of millions of doses returned from areas of the globe that we're just not able to administer the doses, so this has made.

251

00:41:08.670 --> 00:41:27.900

Michelle McMurry-Heath: Many of our investors very chasen about the ability to work in this area and its impact on their competitiveness around the globe this pandemic, we saw over 50% of the global research on public conducted in the US i'm not so sure that will be the case next time.

252

00:41:28.800 --> 00:41:29.520

Governor Mike Leavitt: i'd like to.

253

00:41:30.660 --> 00:41:31.800

Governor Mike Leavitt: pitch in on this one.

254

00:41:31.860 --> 00:41:32.280

Governor Mike Leavitt: to it.

255

00:41:33.300 --> 00:41:39.150

Governor Mike Leavitt: In 2006 during the time that we were working with the Congress to form barta.

256

00:41:41.430 --> 00:41:52.260

Governor Mike Leavitt: What became evident is that we had essentially no vaccine manufacturing capacity in the United States, we had contracted with.

257

00:41:53.490 --> 00:41:59.430

Governor Mike Leavitt: Facilities outside the United States well one thing that's always going to happen in a pandemic is that.

258

00:41:59.820 --> 00:42:08.610

Governor Mike Leavitt: interest will nationalize and those who are have facilities in their country, are going to take care of themselves first and if you're at the end of the road there.

259

00:42:09.210 --> 00:42:20.730

Governor Mike Leavitt: that's a serious disadvantage The other thing I would say, is the fact that we had a healthy biosecurity biotech industry at the time.

260

00:42:21.570 --> 00:42:32.310

Governor Mike Leavitt: and made it possible for us to regenerate it It made it possible for us to get through this pandemic but we're that risk in that industry of losing our competitive edge in the world.

261

00:42:32.820 --> 00:42:42.000

Governor Mike Leavitt: And when we lose that we not only lose the jobs and the economic expansion that are related to it, we we we lose the national security.

262

00:42:42.630 --> 00:43:00.180

Governor Mike Leavitt: advantage that it provides us, we have to have a robust healthy sustainable biotechnology industry or our national security in matters related to biosecurity the NGOs at risk.

263

00:43:02.010 --> 00:43:10.770

Tom Inglesby: Thanks very much to all of you for those responses and you keep going in that vein there's a question from congresswoman brooks who.

264

00:43:11.370 --> 00:43:26.160

Tom Inglesby: wanted to ask Dr Murray heat, can you please discuss the issues with the waiver of the intellectual property protections that you've been beginning to talk about this in your remarks and right here, what can Congress, or the administration do to protect companies that are innovating.

265

00:43:27.540 --> 00:43:34.380

Michelle McMurry-Heath: Yes, so the TRIPS waiver is a conversation that's been taking place at the World Trade Organization and it's basically.

266

00:43:34.980 --> 00:43:49.410

Michelle McMurry-Heath: Although the World Trade Organization currently allows countries to waive intellectual property in the context of health emergencies, this goes a step further and says that intellectual property must be proactively shared.

267

00:43:50.430 --> 00:44:00.870

Michelle McMurry-Heath: In in pandemic preparedness, but at the same time, it goes a step further and says that the company with the intellectual property must then supply.

268

00:44:01.530 --> 00:44:13.500

Michelle McMurry-Heath: professional support to whoever request the IP so it's basically mandating that US companies must divert their personnel resources, and we know that those resources are precious.

269

00:44:14.100 --> 00:44:21.660

Michelle McMurry-Heath: To countries all over the globe at any request to make sure that they know how to replicate their intellectual property and science.

270

00:44:22.290 --> 00:44:30.930

Michelle McMurry-Heath: And the debate has taken place on the TRIPS waiver over the last year there were some proposals to limit this waiver provision to countries in need.

271

00:44:31.230 --> 00:44:38.340

Michelle McMurry-Heath: So that only the most disadvantaged countries would be able to make these requests, but, at the last minute.

272

00:44:39.000 --> 00:44:44.940

Michelle McMurry-Heath: We caved on any opposition to that and now countries like China will have just as much.

273

00:44:45.270 --> 00:44:52.320

Michelle McMurry-Heath: a seat at the table in demanding our intellectual property, including Mr na vaccines, as any other country around the world.

274

00:44:52.620 --> 00:45:00.210

Michelle McMurry-Heath: And the US was the first Western country to support the troops waiver and kind of breathe new life into the entire provision.

275

00:45:00.510 --> 00:45:10.140

Michelle McMurry-Heath: And in a several months there'll be revisiting trips to discuss whether or not to extend it to therapeutics as well as the current extension to vaccines.

276

00:45:10.620 --> 00:45:20.790

Michelle McMurry-Heath: So this has all happened in the face of our companies ramping up vaccine production in such an incredible way and making sure that it goes around the globe.

277

00:45:21.300 --> 00:45:31.020

Michelle McMurry-Heath: And the Defense production act that was invoked by the administration early last year really prevented a lot of exports that could have.

278

00:45:32.250 --> 00:45:47.310

Michelle McMurry-Heath: Really kind of alleviated some of the global vaccine distribution delays that we saw so the problem of getting vaccines to every corner of the globe was not US companies manufacturing them, it was countries nationalizing their vaccine.

279

00:45:47.970 --> 00:45:59.520

Michelle McMurry-Heath: Distribution and it was us not paying enough attention to making sure that health facilities on the ground, could administer and take care of the vaccines once they receive them.

280

00:46:01.800 --> 00:46:16.950

Tom Inglesby: Thanks so much next question is from Dr renee wegrzyn from ginko fireworks and her question is has there been any discussion about providing some tax incentives for private organizations that make qualified health security investments.

281

00:46:20.850 --> 00:46:25.740

Tom Inglesby: I don't know if any of you from your angles have heard about that or think that would be wise or.

282

00:46:28.320 --> 00:46:39.690

Governor Mike Leavitt: i'm not aware of any I think earlier, I suggested we need to experiment, we need to continue to innovate that's a conversation that should be in that category.

283

00:46:40.920 --> 00:46:48.540

Michelle McMurry-Heath: I mean, I will say that we've seen things like the orphan drug tax credit, which is actually being debated a repeal of which is being debated right now.

284

00:46:49.050 --> 00:46:58.830

Michelle McMurry-Heath: have a huge impact of driving innovation into spaces with riskier commercial models like orphan orphan diseases, so we know that tax incentives work.

285

00:46:59.310 --> 00:47:08.850

Michelle McMurry-Heath: We also know that regulatory incentives work, and I agree with governor Levitt experimenting with some of these to see what combination fits in this case is the right path.

286

00:47:11.490 --> 00:47:15.390

Tom Inglesby: Okay next question was here is from Michael imperioli for university Michigan.

287

00:47:16.500 --> 00:47:32.280

Tom Inglesby: What recommendations do the panelists have for facilitating preparedness as a global endeavor, so I think as we've been talking we've been talking about a lot of the domestic priorities and advantages we have any comments, particularly around the global impact of these partnerships.

288

00:47:33.420 --> 00:47:43.590

Governor Mike Leavitt: Well, I think we do need to acknowledge that there are there are advantages to those, but there are also barriers to them, inevitably, we begin to see.

289

00:47:44.730 --> 00:47:56.340

Governor Mike Leavitt: In a in a pandemic, or in any kind of a security event that there's a kind of choosing sides, these days, and despite the universality of our need.

290

00:47:57.180 --> 00:48:16.380

Governor Mike Leavitt: We have to recognize that those things exist, I mean we basically in the pandemic had a competition between vaccines manufactured and developed in the United States and those in other countries, and they were used as a foreign policy geopolitical tool and while.

291

00:48:17.910 --> 00:48:21.780

Governor Mike Leavitt: We were competing with vaccines that were inferior and.

292

00:48:23.280 --> 00:48:38.700

Governor Mike Leavitt: Countries made substantial foreign policy gains by using vaccines, as a means of being able to get there, so there's lots of counter incentives to that and we have to go into the process understanding that.

293

00:48:40.290 --> 00:48:45.270

Michelle McMurry-Heath: And I just add to governor limits comments there, I mean to give you some specific examples.

294

00:48:46.560 --> 00:48:51.900

Michelle McMurry-Heath: Are companies had contracts with many countries throughout South America to deliver Kobe vaccines.

295

00:48:52.230 --> 00:48:59.460

Michelle McMurry-Heath: At the outset of vaccine availability, the Defense production act prevented our companies from fulfilling those contracts.

296

00:48:59.730 --> 00:49:07.680

Michelle McMurry-Heath: And as Governor Levitt says nationalization and domestic focus concerns are to be expected, but what happened in that vacuum.

297

00:49:07.980 --> 00:49:20.730

Michelle McMurry-Heath: Is that China went into many of those countries and offer their vaccine, in exchange for political concessions, so we need to be very clear about what happens when we abandoned our global responsibility.

298

00:49:22.920 --> 00:49:35.160

Gary Disbrow: and tell me if I could just add you know the kind of turning back to the pandemic preparedness, I mean organizations like hhs SEPI who the new HARA.

299

00:49:35.760 --> 00:49:43.530

Gary Disbrow: That supports the European Union need to work together, and you know collaborate, it sounds easy it's more difficult.

300

00:49:44.040 --> 00:49:56.010

Gary Disbrow: You know, when you get down to the nuts and bolts of it but focusing you know, working on the same list of pathogens with pandemic potential so that we're all aligned sharing information, where we can.

301

00:49:56.670 --> 00:50:05.280

Gary Disbrow: and making sure that we're not you know, investing in redundant, you know activities because none of us have sufficient funds.

302

00:50:05.790 --> 00:50:12.840

Gary Disbrow: To cover all of the virus families with pandemic potential and do all this work, so we need to do a better job at collaborating.

303

00:50:13.380 --> 00:50:28.260

Gary Disbrow: You know I know the group such as HARA they need to invest their money in the EU barde needs to invest its money, primarily in the US, but to leverage where we can the different technologies that are being invested in and share information as best we can.

304

00:50:30.300 --> 00:50:38.610

Tom Inglesby: And thanks so much Gary okay next question is from Richard valley room who is a senior public health analysts to CDC as his comment and questions.

305

00:50:39.270 --> 00:50:44.490

Tom Inglesby: noticing a focus on vaccines and medical kind of measures pandemic preparedness and, while those are important.

306

00:50:44.970 --> 00:50:53.190

Tom Inglesby: They can't be effective on their own, without things like distribution networks and health communications or basic public health infrastructure, like data labs and workforce.

307

00:50:53.670 --> 00:51:02.370

Tom Inglesby: Can Public Private Partnership models be used for these types of things, and can you give examples of private partners that can be or should be considered here.

308

00:51:07.350 --> 00:51:20.520

Governor Mike Leavitt: So i'll just say that I think distribution is always the hardest part of readiness when it doesn't matter if it's a pandemic, or if you're dealing.

309

00:51:21.030 --> 00:51:35.580

Governor Mike Leavitt: With bioterrorism event being able to get Cipro distributed through a population fast enough, is the challenge and there is no government asset short of the military, which takes a long time to stand up.

310

00:51:37.560 --> 00:51:45.720

Governor Mike Leavitt: Other than those that are already there so for that reason we use a lot of private assets in the distribution or we ought to be using a lot of private assets.

311

00:51:46.770 --> 00:51:57.720

Governor Mike Leavitt: mean there are there are distribution businesses that go to hospitals clinics drugstores every single medical dispensary in the country, every day.

312

00:51:58.500 --> 00:52:20.580

Governor Mike Leavitt: Why would we replicate that and not utilize it so it's not only a good idea, in some cases it's, the only way that we're able to actually deliver on distribution getting medicines in the palms of people's hands is always the hardest part of preparedness.

313

00:52:22.020 --> 00:52:23.670

Gary Disbrow: And Tom If I could just add I mean.

314

00:52:23.820 --> 00:52:32.880

Gary Disbrow: What what governor Levitt said was key, and so we did partner with the private sector, and you know i'm going to name some companies and I apologize if I leave some out.

315

00:52:33.270 --> 00:52:43.050

Gary Disbrow: But ups fedex you know stepped up to the plate, I mean in the early days of the distribution of vaccine and we had daily calls with those groups.

316

00:52:43.350 --> 00:52:49.800

Gary Disbrow: As well as mckesson which acted as a central distributor for vaccines and marisol spurgeon for therapeutics.

317

00:52:50.370 --> 00:53:02.460

Gary Disbrow: And you know it was never a know from the company's it's what can we do, how can we help it was just incredible the United States postal service as well for diagnostics and mass so.

318

00:53:03.390 --> 00:53:15.750

Gary Disbrow: You know, we it was part you know us government's ups, but it was also the private sector that stood up and really assisted in distributing hundreds and hundreds of millions of doses of vaccines and therapeutics.

319

00:53:17.760 --> 00:53:25.890

Michelle McMurry-Heath: I agree with both of the speakers and i'll just add that, when those private resources are not available, like when you're trying to get to the very last.

320

00:53:26.310 --> 00:53:35.730

Michelle McMurry-Heath: village in sub Saharan Africa, for example, that's where innovation still plays a key role, I think barta still investing in cold chain innovation, for example.

321

00:53:36.390 --> 00:53:39.780

Michelle McMurry-Heath: that's critically important, how can we make faster cheaper.

322

00:53:40.080 --> 00:53:55.890

Michelle McMurry-Heath: more mobile coal chain delivery mechanisms so that vaccines and other technologies can get to every corner of the world and ongoing investment in public health infrastructure around the globe is going to be necessary to really stop endemics and their Pack.

323

00:53:58.200 --> 00:54:09.600

Tom Inglesby: Great question here from BERT rosen since much of this innovation, I think this is directed to you described, but anyone can answer since much of the innovation is coming from small biotech.

324

00:54:10.530 --> 00:54:18.270

Tom Inglesby: Do you anticipate funding to support clinical trials and manufacturing for those candidates with FDA support for new treatments are medicines.

325

00:54:19.980 --> 00:54:32.700

Gary Disbrow: So we will invest in the best technology, regardless of the size of the company, we encourage you know, everybody who is interested in potentially partnering with barda to approach us and have a conversation.

326

00:54:33.600 --> 00:54:38.070

Gary Disbrow: We are investing in multiple small companies through our car Vex Program.

327

00:54:38.640 --> 00:54:45.510

Gary Disbrow: Through our division of research, innovation and ventures to you know, support the innovative companies out there through our.

328

00:54:45.840 --> 00:54:54.930

Gary Disbrow: Blue night program, which is our partnership with Johnson and Johnson through the J labs program and now also through our part adventures program so.

329

00:54:55.260 --> 00:55:02.670

Gary Disbrow: Again we invest in companies it, regardless of the size, we are interested in the technology and the innovation and there has been a lot of.

330

00:55:03.300 --> 00:55:13.050

Gary Disbrow: You know, innovation that has occurred during the coven pandemic and we want to try and leverage that innovation and bring it forward, because that is the way that we will be better prepared for the next.

331

00:55:14.880 --> 00:55:22.050

Michelle McMurry-Heath: And and i'll just add to that that that's another reason why the few incentives that remain, such as intellectual property in.

332

00:55:22.320 --> 00:55:30.150

Michelle McMurry-Heath: In pandemic preparedness need to stay in place, if you take a company like during that one of our Members that started as a pretty small biotech.

333

00:55:30.480 --> 00:55:43.410

Michelle McMurry-Heath: i'm had developed over time, but one of the reasons they were able to ramp up their clinical trial and distribution capacity so quickly is because investment flooded in from the private sector, and while they accepted.

334

00:55:44.280 --> 00:55:55.020

Michelle McMurry-Heath: federal funding for research 90% of the cost of bringing their Cobra vaccine to market was from private sector investment, so we need to make sure that both sides of that equation stay in place.

335

00:55:57.420 --> 00:56:05.850

Tom Inglesby: So just a follow up question on things on an organization that has been mentioned a couple times operation warp speed now ah court hhs.

336

00:56:06.240 --> 00:56:20.880

Tom Inglesby: The number of have you all referenced it, what should we take from the successes of that effort that continues now and as part of hhs as a model for other things that you know other kinds of partnerships that could help in these endeavors.

337

00:56:23.520 --> 00:56:24.540

Governor Mike Leavitt: i'll just start.

338

00:56:28.290 --> 00:56:39.870

Governor Mike Leavitt: Michelle mentioned em RNA and the long research effort, we ought to be celebrating and, seeing as historic The turnaround of a vaccine in a year.

339

00:56:40.560 --> 00:56:54.300

Governor Mike Leavitt: We ought to never forget that that only happened because it was it was you know, it was a 15 year overnight success, I mean it was it took a lot of effort and investment to get to the point that we could do that.

340

00:56:54.870 --> 00:57:08.880

Governor Mike Leavitt: And if we don't continue to build that pipeline of potential when the problems arise, we will be starting at the at the at the beginning, I think that's a very important thing, the second is however.

341

00:57:10.020 --> 00:57:23.550

Governor Mike Leavitt: As far as I can see warp speed was not just a scientific triumph, it was a regulatory trial we figured out we didn't need to do things in sequential order, we can do them in parallel.

342

00:57:24.240 --> 00:57:40.380

Governor Mike Leavitt: And that it had tremendous impact and being able to speed the creation of life, saving vaccines and medications that's a lesson we ought to be employed deploying every day and pushing the limits on.

343

00:57:41.160 --> 00:57:50.880

Michelle McMurry-Heath: yeah and i'll just add to that you know we hear from our companies every day that that day to day conduct contact with FDA that real time response from FDA.

344

00:57:51.210 --> 00:57:59.520

Michelle McMurry-Heath: Had was so life saving and had such an impact on the speed of development and if Congress wants one action they can take this week.

345

00:58:00.030 --> 00:58:09.660

Michelle McMurry-Heath: To keep that capacity at live it's past the user fee legislation, because the last time FDA shut down because of a lack of user fees.

346

00:58:10.020 --> 00:58:23.310

Michelle McMurry-Heath: It took the Center for drugs 18 months to get back up to full speed so and they've lost a huge amount of talent over 1000 people from FDA in the last year, and they have 300 hires and process that may get put on hold.

347

00:58:23.610 --> 00:58:42.270

Michelle McMurry-Heath: If user fees are not secured and so anything that weakens the already fragile network of reviewers at FDA means that companies, day by day, are you are losing that interaction with FDA we're already seeing it in a lot of other spaces and it will worsen without ongoing support.

348

00:58:43.950 --> 00:58:46.380

Tom Inglesby: last word from can just grow on warp speed and.

349

00:58:46.410 --> 00:58:46.740

AJ.

350

00:58:48.120 --> 00:58:56.340

Gary Disbrow: On that so just so that everybody knows so H4 is now institutionalized and will be an enduring capability within the organization.

351

00:58:56.790 --> 00:59:06.660

Gary Disbrow: And you know operation warp speed and then the kagen H4 was successful because it coordinated the efforts across hhs and brought in our do D colleagues.

352

00:59:07.050 --> 00:59:17.070

Gary Disbrow: As opposed to having the siloed activities from the different agencies within hhs and H4 is already you know, supporting the monkey pox response, again we have.

353

00:59:17.400 --> 00:59:30.450

Gary Disbrow: Great collaboration across hhs but it acts as a coordinating body, and as we move forward for the American pandemic preparedness plan would also act as the coordinating body across the hhs investments to address pandemic.

354

00:59:31.290 --> 00:59:41.760

Gary Disbrow: You know pandemic preparedness, so you know H4 is you know I think it's proven that it can be successful and we plan on utilizing as we move forward thanks.

355

00:59:43.440 --> 00:59:43.770

Tom Inglesby: well.

356

00:59:43.830 --> 00:59:44.880

Tom Inglesby: That brings us.

357

00:59:44.910 --> 00:59:52.260

Tom Inglesby: To the end of our time together today and I just want to thank, first of all our amazing panelists and I want to thank all of you for joining us today.

358

00:59:52.980 --> 01:00:02.400

Tom Inglesby: The Capitol Hill steering committee will return in September and we'll look forward to seeing you all, then, and meanwhile have a good rest of your afternoon and good August and take care.