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SANDY HOOK ADVISORY COMMISSION

APRIL 12, 2013

9:30 A.M.

Legislative Office Building

Hartford, CT

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DAVID SCHONFELD

CONNECTICUT COURT REPORTERS ASSOCIATION

P.O. Box 914

Canton, CT 06019

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## AGENDA

(Continued)

### II. Addressing the Behavioral Health Needs of Children and Youth

#### Keep the Promise Coalition

Eric Arzubi, M.D.; Co-Chair, Keep the Promise Coalition Children's Committee & Fellow, Yale Child Study Center

Abby Anderson, M.A.,; Co-Chair, Keep the Promise Coalition Children's Committee & CT Juvenile Justice Alliance

### III. Assessment and Management of Risk

Michael Norko, M.D., Director of Forensic Services, DMHAS & Associate Professor of Psychiatry, Yale University School of Medicine

Madelon Baranoski, Ph.D., M.S.N., Associate Professor of Psychiatry/ Vice-Chair of Human Investigation Committee, Yale University

1  
2 DR. ERIC ARZUBI: All right. Good morning  
3 and thanks very much for having me. I'll be  
4 doing a couple things. I think the first couple  
5 presentations were sort of great setups, so I  
6 thank everyone and I especially want to speak to  
7 the organizational person over there,  
8 Mr. Ducibella, because I'd like to address some  
9 of the questions and concerns and my hope is to  
10 try to give everyone a sort of organizing  
11 principle around everything that we've been  
12 talking about. In other words, we have a lot of  
13 stuff thrown up against the wall, a lot of  
14 potentially good programs, a lot of things that  
15 would potentially work but, again, no sort of  
16 organizing principle around that and I am going  
17 to propose that that sort of organizing principle  
18 is school connectedness.

19 Now, I am a mental health person, I am a  
20 child and adolescent psychiatry Fellow, finishing  
21 my training in a few months and then I will be a  
22 grownup, but in the meantime I've done a lot of  
23 work in schools. And just to give you a little  
24 bit of background, I'm a Board-certified general  
25 psychiatrist, finishing my fellowship in few

1 months, I'm a mental health advocate and sit as  
2 Co-Chair for the Keep the Promise Coalition here  
3 in the State. I'm a member of the Schools  
4 Committee of the American Academy of Child and  
5 Adolescent Psychiatry and I've practiced child  
6 psychiatry in the following settings: Child  
7 guidance clinic outpatient, IICAPS, so Intensive  
8 In-Home Child and Adolescent Psychiatric  
9 Services, so in the home, in a school-based  
10 health center, in a partial hospital program, in  
11 emergency room setting, inpatient acute care and  
12 in consultation with pediatricians; so across a  
13 number of different settings.

14 And also I would like to thank the Child  
15 Health Development Institute and the work that  
16 I've been doing with Jeana Bracey around school  
17 connectedness and the School-Based Diversion  
18 Initiative that Abby mentioned. I've learned a  
19 ton from Abby over the last couple years and I've  
20 had a chance to speak to JoAnn Freiberg around  
21 school connectedness. Maybe you know she's sort  
22 of our state's expert on bullying and child  
23 character education.

24 So a couple things before I launch into  
25 this I had -- there were some interesting things

1           that came up before, one of which was a question  
2           around how do we, I guess how do we incentivize  
3           private insurance companies whose, their real  
4           incentive is to not let go of any of their money  
5           because ultimately what they're trying to do is  
6           keep their shareholders happy and I guess one of  
7           the things is we're thinking about strategies to  
8           try to address that issue beyond try to, you  
9           know, employees comprehensive reforms that might  
10          be very difficult to do or even expensive to do  
11          is I want to think about hitting them, when  
12          necessary, where it hurts.

13                 Now one of -- in my prior career, I was a  
14          bond trader on Wall Street, don't hold that  
15          against me but it's true, but remember these guys  
16          answer to their shareholders, right, so  
17          information alone, sort of marketing information  
18          alone, the fact, for example, the American  
19          Psychiatric Association is launching a lawsuit  
20          against -- boy, I am going to say the wrong one.  
21          I think -- which one is it?

22                 NEW SPEAKER: Anthem.

23                 DR. ERIC ARZUBI: Anthem, thank you. I  
24          don't want to say the wrong one, cause somebody's  
25          share prices to go down.

1           But launching a lawsuit against Anthem,  
2           something like that hits them where it hurts.  
3           Why? Because it's in the news now, and, once in  
4           the news it affects investors, investor  
5           sentiment. So the point is, as we're thinking  
6           about ways to address these issues, we have to  
7           think the way that they think and sort of  
8           understand what their motivation is and what  
9           they're driven by. So those are just some things  
10          to think about.

11           So let me go on. So for some of you who  
12          perhaps aren't steeped in mental health, just to  
13          give a quickie on the definition of mental  
14          health, the World Health Organization defines  
15          state of well-being as one in which every  
16          individual realizes his or her own potential, can  
17          cope with the normal stresses of life, can work  
18          productively and fruitfully and is able to make a  
19          contribution to his or her community. A couple  
20          of things I like to add in there is peace of  
21          mind, good sleep and adaptive and fruitful  
22          interpersonal relationships. Some pretty basic  
23          stuff and that's the definition of mental health.

24           Mental illness is the following: Can be  
25          defined as a health condition that changes the

1 person's thinking, feeling or behavior, or all  
2 three, and that causes a person distress and  
3 difficulty in functioning; and the contributing  
4 factors here are biology, psychology and the  
5 social environment.

6           What are the categories of mental illness.  
7 Again, just to give a quick review of things that  
8 we think about and talk about: So childhood  
9 onset disorders, some of which we often hear  
10 about, ADHD, autism spectrum disorders and the  
11 like, mood disorders which include unipolar  
12 depression, bipolar depression, anxiety disorders  
13 (something with which I struggle from time to  
14 time and with the benefit of therapy and  
15 medication has been quite helpful), psychotic  
16 disorders, substance use orders, cognitive  
17 disorders, personality disorders, and  
18 somatization disorders which is a fancy way of  
19 saying disorders that affect both mind and body;  
20 for example, someone who comes in with pains that  
21 really is a manifestation of anxiety.

22           Who's affected? Everyone. It's the number  
23 one cause of disability in the United States.  
24 The number one cause of disability in the United  
25 States is mental illness. More than anything

1 else, cardiac problems, cancer and so forth.

2 50 percent of 13 to 18-year-old adolescents have  
3 a diagnoseable emotional behavioral problem,  
4 22 percent of those are severely impairing and  
5 20 percent of all doctor visits are related to  
6 anxiety disorders.

7 The other thing that I forgot to put in the  
8 slide is the number one reason for visiting the  
9 school-based health centers are emotional  
10 behavioral problems. That was documented in the  
11 PRI report of last year.

12 Child Development. As we are thinking  
13 about all of these things, we have to keep child  
14 development in mind. There are sort of four  
15 dimensions of child development. One is a social  
16 development of a person, the emotional  
17 development, the physical development and  
18 cognitive development. Let's not forget  
19 development doesn't end at age 18. I am still  
20 working on it.

21 Converging. So what's happening in  
22 Connecticut. So, on one level, Connecticut is  
23 doing some things right but there are some, Miss  
24 O'Connor, so there are some things that  
25 Connecticut is really struggling with, so I am



1 going to share those with you.

2 So again this is related. These are  
3 interrelated crises in Connecticut. We have the  
4 number one academic achievement gap in the United  
5 States. We have poor access, it's been well  
6 documented, to mental health assessment and  
7 treatment services. We have an overreliance on  
8 exclusionary disciplinary practices in schools,  
9 including suspensions and expulsions. We have  
10 high rates of in-school arrests, despite low  
11 rates of in-school violence.

12 So more facts: 1 in 15 Connecticut high  
13 school students attempted suicide in the last  
14 year. That's about one in every classroom, 1 in  
15 15. That comes from the CDC.

16 So suicide is the third leading cause of  
17 death among 12 to 19-year-olds in the U.S. after  
18 unintentional injuries and homicides, and across  
19 lifetimes account for 60 percent of gun-related  
20 deaths, compared to 37 percent for homicides. So  
21 as we think about gun violence, gun issues,  
22 suicide is the No. 1 reason for gun-related  
23 deaths, which makes, again, mental health a  
24 central issue.

25 As we think about, as we think about mental

1 illness, if you think about medical illness,  
2 mental illness, one of the things that as  
3 physicians we're trained to do is to try to make  
4 sure to rule out one of the worst things first,  
5 and one of the worst things that happens in  
6 mental illness is suicide, and that's how this is  
7 all related. 20% of all youth age 17 or under.  
8 So remember before I said 13 to 18, 50 percent,  
9 so if you stretch that out zero to 18, overall  
10 it's about 20 percent of all kids 17 or under  
11 have a diagnoseable and treatable emotional  
12 behavioral problem.

13 So in Connecticut, giving you the numbers,  
14 you have 160,000 kids in Connecticut struggling  
15 with mental illness right now and only 20 percent  
16 of them have access to services. 20 percent of  
17 the kids that need help have access to services.  
18 Interestingly, 75 percent of those who do get  
19 services get them in the schools.

20 Our school system, this is nationwide, is  
21 the truth, is really what's happening is our  
22 school system is the de facto mental health  
23 system for kids. That's why I'm landing back on  
24 school connectedness. The No. 1 place where kids  
25 hang out is their bed, sleeping hopefully, and

1       No. 2 is the school; so school connectedness is  
2       key. And again it's documented the No. 1 place  
3       where mental health services take place is not in  
4       the outpatient clinic, it's not through IICAPS,  
5       it's not through the PHP or the ER, it's in the  
6       school.

7               How is it delivered through school? Well,  
8       through social workers, through school counselors  
9       and school-based health centers. And I'm  
10      throwing something out there, I'm not sure if I  
11      highlighted this in the slide, the thing that the  
12      Commission is trying to handle, think about how  
13      many school social workers we're hiring this year  
14      versus how many school resource officers or  
15      police we're hiring. So too many youth, as Abby  
16      mentioned, with mental illness are funneled to  
17      the juvenile justice population through what's  
18      known as the school-to-prison pipeline, about  
19      two-thirds of kids in juvenile detention have a  
20      diagnoseable mental illness.

21              Students in grades pre-K to 12 were  
22      suspended or expelled are much more likely to  
23      drop out of school or to end up in juvenile  
24      detention. Students who are arrested are twice  
25      as likely to drop out of school, and the rest of

1 students who end up in court are four times as  
2 likely to drop out of school. So this is where  
3 Connecticut doesn't look so good.

4 So Connecticut rates of exclusionary  
5 disciplines, especially among my minorities, are  
6 among the worst in the nation. Connecticut  
7 features the third highest gap in suspension  
8 rates between black and white students.

9 Connecticut has the third highest suspension  
10 rates for black students with identified  
11 disabilities. In 2009 Hartford posted the  
12 highest suspension rates for Hispanics in the  
13 country, with 44 percent. In 2009, black special  
14 education students had a 73 percent chance of  
15 being suspended in a single school year in  
16 Bridgeport.

17 So again what does that mean? Well, if you  
18 look at black children who are in special  
19 education in Bridgeport, you take ten of those  
20 kids, seven of them got expelled or suspended  
21 that year in Bridgeport. Gosh, this isn't  
22 looking -- sorry, these graphics aren't as nice  
23 as I'd like. They didn't translate very well.

24 But if you look at the handout, what I'm  
25 trying to set up here is the following, so I'm

1 going to be talking about the kitchen. We have  
2 lots of cooks in the kitchen, lots of ingredients  
3 and recipes. It's a metaphor that gets silly at  
4 times but it's the only one that worked. So what  
5 I'm trying to emphasize here is that we have  
6 interconnected systems that include the family,  
7 the school and the community.

8 So again we have three interconnected  
9 systems, the family, the school and the  
10 community, and what are we looking for, what are  
11 we trying do. We're trying to get improved  
12 mental health outcomes, get improved academic  
13 outcomes. Again, let's not forget we have that  
14 thing hanging over our head too, the fact that we  
15 have the widest achievement gap in the country.

16 We are looking for safer schools. And when  
17 we think about safer schools, I am talking about  
18 emotional safety, physical safety, intellectual  
19 safety and social safety. The safety, the  
20 comfort with which to interact with your peers  
21 and other people in your communities can reduce  
22 gun violence. Again, remember the fact No. 1  
23 cause for gun violence is suicide. And  
24 diminished flow in the school-to-prison pipeline.

25 So we are the cooks. We have the

1           Achievement Gap Task Force, we have the  
2           Interagency Council for Ending the Achievement  
3           Gap, you have the Bipartisan Task Force on Gun  
4           Violence addressing gun violence, school security  
5           and mental health services and this Commission.

6                     And what are the ingredients? They have  
7           been addressed, in part, and you have the list  
8           there, but we have lots of things in Connecticut  
9           that do work in pockets. Okay.

10                    And what are some of sort of the recipes in  
11           this kitchen? Well, a lot of people smarter than  
12           I have looked at all these things and come up  
13           with data and recommendations. So the Office of  
14           Program Review Investigations came up with the  
15           Access to Substance Abuse Treatment For Privately  
16           and Publicly Insured Youth Report, Adolescent  
17           Health in Connecticut report, which looked at  
18           school-based health centers. The Office of  
19           Health Care Advocate came up with a great report  
20           in the fall on access to mental health services.

21                    The Achievement Gap Task Force has a set of  
22           recommendations and we were lucky enough and  
23           thankful that the Achievement Gap Task Force was  
24           open to receiving our recommendations on mental  
25           health because again we don't want to separate

1 those; and the Connecticut Academy of Child and  
2 Adolescent Psychiatry and the Academy of  
3 Pediatrics came up with a mental health blueprint  
4 back in 2010.

5 So I'm proposing that we think about school  
6 connectedness as a way to organize all this. So  
7 what is school connectedness? And again  
8 remembering this is where mental health services  
9 take place. This is where kids spend most of  
10 their time between kindergarten and when they  
11 graduate high school, hopefully graduating high  
12 school. So what is school connectedness? It's  
13 the extent to which students feel personally  
14 accepted, respected and supported by others in  
15 the school environment, and it's the extent to  
16 which the developmental needs of pre-K to grade  
17 12 youth are met by the school. What's neat is  
18 that school connectedness is well researched; I  
19 didn't make this up, it's not a new construct.  
20 It's a principle that's been well-researched for  
21 several decades now.

22 I think we underuse it, and we, sort of  
23 with the help of Dr. Bracey of the Child Health  
24 Development Institute, we've sort of dug it up  
25 again and looked at this and it's very powerful.

1           So it's a powerful protective factor in  
2 youth that reduces the likelihood of the  
3 following outcomes: This stuff has been  
4 demonstrated, it reduces emotional distress, it  
5 reduces suicidality, it reduces substance use,  
6 delinquency, improves academic outcome, reduces  
7 maladaptive sexual behaviors, reduces violence  
8 and gang membership. Again I apologize for some  
9 of the formatting here.

10           What's nice about school connectedness.  
11 It's measurable and changeable. Okay, so this is  
12 not some vague sort of thing that sits there in  
13 the ether but this is something that's can be  
14 measured and changed.

15           And, folks, for example, there are two  
16 great studies from in the University of  
17 Washington where they took elementary school kids  
18 and they did the following: They said okay, who  
19 are the agents with which or the people with  
20 which these kids interact every day. It's the  
21 parents, the teachers or the school staff and  
22 peers. So they did a very simple elegant  
23 intervention where they went and provided some  
24 supports to these sort of three, they call them  
25 socialization agents. Anyway, what they did is



1 they supported these three sort of interactions  
2 and found that outcomes over 20 years later led  
3 to improvements in the things that I listed  
4 before. I mean these were very elegant simple  
5 interventions that were measurable, okay.

6 And the other thing that's neat to think  
7 about is we thought, one of the questions that  
8 came up before, well, gosh, should we screen for  
9 mental illness or mental health. On, you know,  
10 on the face of it, that makes a ton of sense  
11 except for two things: No. 1, the controversy,  
12 and, No. 2, if we screen, we need to treat, and  
13 we're not ready to treat. So what we do is we  
14 prevent, or hopefully prevent. So what do we do?  
15 We try to identify what is school connectedness  
16 like. So, for example, you take a school, you  
17 measure sort of school connectedness and that  
18 becomes a nice proxy for mental health.

19 So, in other words, and we have a lot of  
20 this data, in speaking to Dr. Freiberg, we have  
21 already a lot of data in Connecticut sitting  
22 there. So looking at school climate which can be  
23 a proxy or can very much give you a reflection of  
24 what school connectedness is, you can start  
25 peering into what is a potential mental health of

1 each one of these schools in our state. And  
2 again this stuff is measurable and it's  
3 changeable so you can track this over time, you  
4 can introduce interventions that start preventing  
5 this stuff. Again, we have some of these things  
6 in place and now we just need to rally around  
7 this organizing principle.

8 Here's an example of how you measure it,  
9 just to kind of bring this, make this concrete.  
10 You ask kids how strongly do you agree or  
11 disagree with each of the following statements:  
12 I feel close to people at this school, I am happy  
13 to be at this school, I feel like I am part of  
14 this school, the teachers at this school treat me  
15 fairly, or treat students fairly, and I feel safe  
16 at my school.

17 Again, just by looking at this and  
18 affecting this piece, you start pushing other  
19 outcomes that are not so palatable to measure  
20 today. So again I'm trying to sell school  
21 connectedness as one principle to tackle these  
22 converging crises and one principle to focus the  
23 energy, efforts and resources of the talented  
24 cooks in our kitchen.

25 And perhaps, Mr. Ducibella, as you think

1 about sort of who is going to be responsible for  
2 this, I thought of it while you asked the  
3 question, well, this is the school connectedness.  
4 I don't know if that makes any sense.

5 All right. So what do we have. So we have  
6 these different groups. Again, the graphics look  
7 much nicer on my computer. We have the  
8 Achievement Gap Task Force, The Sandy Hook  
9 Advisory Commission, the Bipartisan Task Force  
10 looking at these four outcomes. Instead, you  
11 grab school connectedness as the target, you have  
12 people rally around this and hopefully you can  
13 start pushing these outcomes as people kind of  
14 coordinate and rally around this principle. And  
15 then maybe you start kind of adding other sort of  
16 cooks in the kitchen to start pushing for school  
17 connectedness and somehow organize this.

18 And there's a nice model, again, that's  
19 been mentioned a couple times here, which is the  
20 School-Based Diversion Initiative; what I like  
21 about that, so what we're trying to do is, at the  
22 Child Health Development Institute where I spend  
23 one day a week, is we're trying to reduce in  
24 school arrests at a number of schools. What I  
25 really like about that is it's an interagency

1 sort of joint venture that DCF, the Department of  
2 Ed and CCSD co-funds and collaborates around. So  
3 you have a little model, a little spark there of  
4 an interagency collaboration co-funding it, so  
5 there's accountability across each one of the  
6 agencies, rather than just one agency saying, all  
7 right, I got to go do this.

8 Again, this is something I think I have  
9 already emphasized, when we think about school  
10 safety, and don't only think about bullying and  
11 law enforcement, but think about preserving the  
12 health, the safety of emotion -- the physical  
13 safety, social, emotional safety, intellectual  
14 and cognitive safety.

15 So, again, as we're thinking about all  
16 these things, how many school social workers are  
17 we hiring, how many police officers are we hiring  
18 and when we think about ratios of students to  
19 school social workers, think about ratios of the  
20 police to students; are we doing the right thing.

21 I'm going to -- this concept is something  
22 that's probably already familiar to many of you.  
23 Excuse me. I feel like Mark Rubio, didn't he do  
24 that? Thank you.

25 When we think about interventions, you

1 think about sort of three levels or three layers  
2 of intervention. One is universal that tries to  
3 hit the population, then there is targeted and  
4 there you are going after people who are at risk  
5 for developing a problem, and then ultimately the  
6 indicated. So when somebody is diagnoseable with  
7 a condition, that's where you treat them. This  
8 is a concept that cuts across medicine, actually  
9 cuts across education too.

10 This is RTI, okay. When you think about  
11 response education, there is universal  
12 intervention where you teach everybody to read,  
13 then you have the kids who are at risk for  
14 reading problems and you go after them in sort of  
15 group format. Then when you've identified the  
16 kids who are special education and are struggling  
17 and have reading disabilities, you go after them  
18 with the indicated treatment. So this is the  
19 concept we use in different places, we just give  
20 them different names because it sounds cooler, I  
21 guess. So in trying to give you some  
22 recommendations, some concrete things, I want to  
23 make sure I don't -- again, I apologize. I will  
24 stop apologizing, okay.

25 So think about school connectedness. Just

1 as a reminder across the top there, I put  
2 universal, targeted and indicated treatment but I  
3 didn't break them down that way when I am giving  
4 them to you here. I try to make them as simple  
5 and digestible as possible.

6 So there are six areas when you're going  
7 after school connectedness. There are six areas  
8 where you can intervene. So just because we're  
9 saying school connectedness, it does not mean  
10 this is all just about the school. There is a  
11 concept of community schools which basically uses  
12 school as a hub for services and around which the  
13 community can rally. And again thinking about  
14 doing this in all schools, not just the 20 worst  
15 schools in the state. Let's try to prevent it  
16 and prevent future problems and go after all  
17 schools.

18 It's also, in mental health parlance, this  
19 is the wrap-around model, but again the bottom  
20 line is we're trying to find where are the kids  
21 most of the time? The schools. Let's go there.  
22 So you can start with school and classroom-based  
23 approaches and here only a few of them show up,  
24 but again -- so again this goes back to school  
25 social worker and school psychologist staffing.

1        Again, Connecticut, I think 30 percent of schools  
2        don't have a full-time social worker. I mean so  
3        just something real simple, let's get one in  
4        every school.

5                The next layer would be let's make sure we  
6        have adequate ratios. Proposed ratios by the  
7        National Association of Social Workers are 1 to  
8        250 for general education students, so one social  
9        worker for every 250 general education students.

10               Two weeks ago I was a school in Waterbury,  
11        they have 1200 kids, one school social worker;  
12        you're going to have problems.

13               Next, evidence-based discipline practices.  
14        As Abby already alluded to, the use of  
15        evidence-based classroom management strategies.  
16        Okay. Kids are in school a lot. Well, when  
17        they're in school, where are they most of the  
18        time; in the classroom. Think about the  
19        relationship between the teacher and the child.  
20        There are evidence-based classroom management  
21        strategies where you actually affect the  
22        environment in which that child is learning, you  
23        model good behaviors, you provide positive  
24        reinforcement around behaviors and you can make  
25        some significant changes. This stuff has been

1       documented.

2               Again what I'm also proposing to you today  
3       and trying to emphasize is we have a lot of good  
4       stuff, we're just really bad at delivering. I  
5       will say that about mental health, that happens  
6       all the time, we are sitting in the clinic  
7       waiting for kids to show up; that's not where  
8       they are.

9               Next, ensure that professional development  
10       includes building awareness around psychosocial  
11       problems that are facing youth. And we are  
12       addressing that to a degree. We are trying to  
13       anyway.

14              Next, No. 2, of the six content areas,  
15       Crisis Response, which talked about memorandum of  
16       agreements between the school and local EMPS  
17       providers. That's one of the things we're trying  
18       to do in School-Based Diversion Initiative is  
19       just facilitating these guys to talk. Again  
20       we're marketing, we're marketing EMPS awareness,  
21       marketing they should be calling 211 and 411, and  
22       marketing is so crucial.

23              Then there's a memorandum of agreement  
24       between school and local police departments, as  
25       Abby was alluding to. A school-focused crisis



1 team to formulate response and in collaborating  
2 with neighboring school and community agencies to  
3 integrate planning around these things.

4 Next there are Transition Supports. Again  
5 I am trying to do this illustrate the six content  
6 areas. As an appendix in this, I have thrown in  
7 sort of specific recommendations we can discuss  
8 now or at some future point. Transition supports  
9 in school. Where do a lot of the issues occur?  
10 During a transition, when a kid shows up in the  
11 morning, in between classes, after school; so at  
12 transitions, supporting kids around transitions.

13 Next, Home Involvement in Schooling. The  
14 home-school connection, right. I mean there's  
15 plenty of research around that but again this is  
16 part of the global picture on school  
17 connectedness. Support services for family  
18 members at home, addressing basic needs in  
19 education, this is part of it. Incentivize  
20 communication between home and the school,  
21 incentivize the success of DCF community  
22 collaboratives and local interagency service  
23 teams.

24 Again, what are these things, for those of  
25 you that aren't familiar with this. We have some

1 things in the state, again, as I'm talking about  
2 the different things that have worked, sort of  
3 pockets of strength, but these things, they are  
4 not communicating, they are not talking. We have  
5 some systems that are in place to try to do that  
6 but they are not working so well. So it would be  
7 great to just take a look at the things in place  
8 and just improve them.

9 For example, DCF community collaboratives.  
10 Different communities are supposed to have these  
11 collaboratives where providers of services to  
12 children and families get around the table every  
13 month and discuss these things. Well, there  
14 should be more than just discussions going on,  
15 there should be some goals, there should be some  
16 agenda, there should be a little more structure  
17 around these things because these often end up  
18 being ineffective. And there are local  
19 interagency service teams that do similar things  
20 but those are related more to -- and they  
21 shouldn't be that different. A lot of times they  
22 are the same kids, the same kids end up in the  
23 mental health system end up in the juvenile  
24 justice system, and so you should have these  
25 parallel systems working, even on a local level.

1           So, again, there is some organizational  
2 cleanup that can be done. And then collaborating  
3 -- I apologize, I just skipped over -- okay, so  
4 let's go to number -- I am trying to make sense  
5 of this. Right.

6           Community Outreach. Planning and  
7 implementing outreach to recruit wide range of  
8 community resources connecting school and  
9 community efforts to provide some of these  
10 services such as the youth service bureaus, and  
11 then providing the Student and Family Assistance.  
12 Again, even providing the most basic things and  
13 knowing that school is a place where people can  
14 trust sort of leadership, local leadership,  
15 community leadership to provide some of these  
16 services.

17           Enhancing access, direct intervention and  
18 services for physical or mental health, such as  
19 the school-based health centers and coordination  
20 efforts.

21           So the big picture. What are we trying to  
22 achieve. So you take existing assets and deploy  
23 them in a coordinated, integrated manner. One of  
24 the things we were talking about before, well,  
25 gosh, how do we prioritize these things? Well,

1 if we can find a framework, and I propose school  
2 connectedness based on a framework, we can start  
3 developing priorities. That's sort of the  
4 natural sequence of events. Once you have a  
5 framework and you know what you are going after,  
6 then you can start developing, prioritizing, a  
7 natural sequence of events. Trying to promote  
8 academic achievement, promote family engagement  
9 and functioning, give students a sense of  
10 belonging to school, making them feel respected  
11 and heard, provide an organized, predictable &  
12 fair learning environment through fair and  
13 equitable enforcement of school rules. Engage  
14 students in school-based non academic  
15 extracurricular activities. Again, the school is  
16 a hub for children and adolescents.

17 And again the other piece to think about,  
18 as I'm reflecting on this, is, as the kids grow  
19 older, their developmental needs shift. For  
20 example, the developmental needs of children in  
21 grade school is different than middle school,  
22 which is different than the high school. And  
23 what's happening is kids are relying more and  
24 more as they grow up on outside support, right.  
25 So as they kind of, you know, for those of us

1 with kids, we feel this, where they start looking  
2 to peers and other adults. And so if school can  
3 be a place where they can start turning to for  
4 safety, security and guidance, that makes  
5 developmental sense as well.

6 So we're trying to make schools more  
7 likeable, give students a voice facilitating an  
8 autonomy and empowerment support, as should be  
9 happening developmentally, providing autonomy and  
10 peer relationships, give students a sense of  
11 safety and security at the school. Again, there  
12 are multiple ways to come at that. Help students  
13 feel close and valued by teachers and school  
14 staff. And again, schools becoming hubs for  
15 school linked community-based services for and  
16 children and families. So ultimately we're  
17 trying to strengthen the continuum between the  
18 school, family and community systems.

19 I'm not going to go over the  
20 recommendations in detail but one of the things I  
21 wanted to tell you guys about is that we, a few  
22 months back, we were very lucky and were able to  
23 organize a group of stakeholders but we made very  
24 sure to include school folks because often what's  
25 been happening, I think it was the last several

1 years, is we bring in juvenile justice folks and  
2 bring in mental health folks and then the school  
3 piece is sort of an afterthought, which doesn't  
4 make any sense. So what we did is we brought in  
5 leadership from these different organizations as  
6 you can see, we brought in the Connecticut  
7 Association of School Psychologists, the  
8 Connecticut Association of School Social Workers.  
9 We brought in pediatrics, child psychiatry, the  
10 rest of these, including family-based advocates  
11 to rally around a set of recommendations and  
12 those are the things you'll see in these next  
13 four pages in terms of more detailed  
14 recommendations.

15 And so with that I'll leave it open for  
16 questions. Thank you.

17 MR. CHAIRMAN: Thank you. We do have a few  
18 minutes for questions. Miss Flaherty.

19 ATTORNEY KATHLEEN FLAHERTY: I really want  
20 to thank both of you for coming here today. That  
21 was a great presentation and I really appreciate  
22 the way you frame this as looking at the mental  
23 health of the school and screening for the mental  
24 health of the school because I really think  
25 asking the kids or screening the kids and asking

1       them questions about how they feel about their  
2       school environment, as I was reading this last  
3       night, I was thinking that is a really great way  
4       to see this because I know we've had discussions  
5       even amongst ourselves about how important it is  
6       to create and really change the community  
7       discussion.

8               I think it was even mentioned before I mean  
9       those of us who have been involved in having  
10      these mental health discussions for years never  
11      imagined being in this circumstance and having  
12      this discussion; but being provided the  
13      opportunity to have this open discussion, how can  
14      we frame it. And I am just hoping that some day  
15      we might have this discussion not just  
16      school-based for kids and focusing on the mental  
17      health of schools but the mental health of our  
18      communities for those of us as adults who live  
19      with this out in the big giant world. So thank  
20      you so much for providing a framework to look at  
21      this in.

22             DR. ERIC ARZUBI: You are welcome. And  
23      these slides, by the way, are updated and I will  
24      send them to Terry, update them compared to what  
25      I think you might have seen last time.

1 MR. CHAIRMAN: Dr. Schonfeld.

2 DR. DAVID SCHONFELD: First I have one  
3 question which is going to be very different than  
4 what you presented on but for the Commission to  
5 consider and that is as we were talking about the  
6 juvenile justice system there was one thing I was  
7 struck with about what is the scope of what we're  
8 looking at here. I know we've been focusing and  
9 we've been talking about schools and we spent a  
10 lot of time talking about school security but  
11 should we really be talking about child  
12 congregate settings because we really have not  
13 been talking about early childhood settings,  
14 after-school programs and the juvenile justice  
15 settings.

16 So just parenthetically, on the National  
17 Commission on Children and Disasters, we did  
18 receive a fair amount of testimony around the  
19 lack of disaster preparedness in juvenile justice  
20 settings and testimony, for example, in New  
21 Orleans as the water was rising in some of the  
22 places where children were behind locked doors  
23 that they didn't have a policy for letting them  
24 out, and actually the water got up to their neck  
25 and they could have drowned but there was no



1 system to talk about how you would evacuate the  
2 congregate setting in the juvenile justice system  
3 for disasters. So there's a very basic level of  
4 lack of -- and I know that's not what we asked  
5 you to speak about but we are kind of  
6 compartmentalizing in a certain way and I think  
7 we might want to the at least figure out really  
8 what is our scope and how are we going to think  
9 about that. So let me then turn to a question  
10 that does relate to what, and I think that's  
11 probably something we will come back to hopefully  
12 and think about.

13 But what you had mentioned, Ms. Anderson,  
14 when you started your presentation, you gave the  
15 example of an employee whose parent had died and  
16 how they were having difficulty with, you know,  
17 their behavior and their adjustment and coping  
18 and then I think in your conclusions you talked  
19 about trauma informed services. Well, as a  
20 bereavement trauma evidence-based treatment for  
21 trauma disorders don't actually address directly  
22 uncomplicated bereavement and so one of the  
23 things I hope we can think about is that the  
24 issues that children are faced with that may  
25 cause them difficulties or behavioral disruption

1        may be from trauma exposure and often is, but it  
2        may be from bereavement, it may be from poverty,  
3        it may be from homelessness, it may be from, you  
4        know, food insecurity, a range of different  
5        issues and I think that gets back to the earlier  
6        presentation when we kept talking about  
7        evidence-based treatment. I think if we just  
8        apply evidence-based trauma treatments we're not  
9        going to actually address the majority of the  
10       problems that are causing some of the  
11       difficulties among these children. So I think  
12       there's tended to be a shorthand to use trauma  
13       informed when we mean really adversity that face  
14       children and the trauma information is really  
15       much more specific around acute traumatic  
16       symptoms and trauma disorders.

17                So I don't know if you can respond to that.  
18        I didn't mean to pick up on your word but I've  
19        heard that a lot and I think it starts to shift  
20        policy recommendations in often not a very subtle  
21        way.

22                MS. ABBY ANDERSON: No, I actually really  
23        appreciate your picking up on that because it's  
24        sort of the opposite of what I've been on a  
25        soapbox on. So I just created a problem I've

1       been trying to solve but it's been very  
2       interesting over the past few years when we talk  
3       about trying to narrow the funnel of kids coming  
4       into the juvenile justice system and mental  
5       health being one of those issues, and not to pick  
6       on CSSD because they're amazing partners, but  
7       whenever we talk to them, they say we monitor  
8       that, we know how many kids have trauma, that's  
9       one piece of it. Every kid who has mental health  
10      issues that's not based onto -- the only  
11      intervention around kids can't just be trauma  
12      informed care. That's what we're hearing in the  
13      juvenile justice system, they're saying how do we  
14      make our systems trauma informed, as if that's  
15      the silver bullet to be able to do everything  
16      because everything is trauma and part of this is  
17      me spending more time with Eric. I'm a juvenile  
18      justice policy wonk, I'm not a mental health  
19      policy wonk, and so as these two overlap, I am  
20      learning the appropriate language and how to talk  
21      about it, which I guess is the first step in  
22      educating other people, so that's really helpful  
23      feedback.

24                I do want you to know, just to ease some  
25      minds, that situation in New Orleans was

1       horrific, and some of my colleagues down in  
2       Louisiana, we had talked about that at the time,  
3       but you'll be pleased to know that, like during  
4       Sandy and when the blizzard was coming and the  
5       shoreline was particularly -- you know -- we have  
6       two detention centers in the state, one's in  
7       Bridgeport and one's in Hartford and CSSD did  
8       that amazing job of being way ahead of those  
9       storms and they evacuated those kids from the  
10      Bridgeport detention center, bringing the  
11      Bridgeport kids up to the Hartford detention  
12      center and had the staffing in place and all  
13      that. So we do have those plans in place and  
14      have executed them here in the state.

15               MS. ADRIENNE BENTMANN: I want to thank you  
16      for a marvelous presentation, both of you, and I  
17      will say Dr. Stuvia (phonetic) is very lucky to  
18      have you.

19               DR. ERIC ARZUBI: I will tell her that.

20               MS. ADRIENNE BENTMANN: On television.

21               DR. ERIC ARZUBI: Right.

22               MS. ADRIENNE BENTMANN: So I have one  
23      advertising question and I have one, it's hard to  
24      actually pose questions because you're really so  
25      complete. And as you can tell, I'm a proponent

1 of school climate and community and school  
2 connectedness so this is like music to my ears.

3 One question is whether you think there's a  
4 way that we could roll some of your  
5 recommendations into the school safety all  
6 hazards evaluation. If we're going to evaluate  
7 school hazards, maybe school climate, though not  
8 a hazard, would be a way of thinking about  
9 folding that, those recommendations in together  
10 and I wondered what you thought about that.

11 DR. ERIC ARZUBI: That's a good question.  
12 I don't want to speak in a way that's uninformed  
13 so I'd like to, I would like more time to take a  
14 look at what those recommendations are, what  
15 you're trying to target and actually I would  
16 probably defer or converse with Dr. Freiberg who  
17 is -- you know this is her expertise. So I  
18 don't -- do you hear what I'm saying, I want to  
19 be smart about my answer so I'd like to know more  
20 about that.

21 MS. ADRIENNE BENTMANN: Okay. My second  
22 question has to do with what you think about  
23 having school-based day treatment programs. I  
24 don't know a better way to put it but for those  
25 kids who really aren't yet emotionally and

1 behaviorally disturbed or troubled enough to  
2 warrant going to a subspecialty program, do you  
3 think that having a place for them within the  
4 school, either partial or not so partial, is  
5 beneficial?

6 DR. ERIC ARZUBI: A great question. In  
7 fact, I've had, in sort of working with schools,  
8 I've had two schools approach me about doing just  
9 that. In other words, it's interesting and I  
10 think there's -- I've only seen -- I've looked at  
11 the research and I think there's been only one,  
12 one, at least one paper written on this. So  
13 here's what Miss Bentman is talking about. So we  
14 have a big gap in services, so what happens is we  
15 have, you know, some outpatient stuff and we have  
16 acute inpatient stuff and then, in between, we  
17 don't have a lot. There's IICAPS which is one  
18 step down. So when a child is acutely  
19 hospitalized, lasts usually for 5, 6, 7 days  
20 until the child is at least temporarily not at  
21 risk for harming him or herself or others. The  
22 child gets stepped down into the community and  
23 sometimes the child gets sort of handed off to  
24 IICAPS to try to prevent further hospitalization.  
25 Often that's not necessary but there's no other

1 place to go, and so that's an expensive place to  
2 kind of put the child.

3 And the other piece is when a child is in  
4 the outpatient care and you have an increasing  
5 risk of becoming a little bit more dangerous to  
6 him or herself or others, there's a gap so you've  
7 got to go either right to IICAPS or to the ER.

8 And so something like a partial hospital  
9 program or an intensive outpatient program that's  
10 school-based is actually an interesting thought  
11 for a couple reasons: No. 1, more accessible  
12 because one of the issues around this level of  
13 care is a lot of times people have trouble  
14 getting there, transportation becomes an issue,  
15 and there are pockets around the state where  
16 people have trouble accessing, leaving the school  
17 and getting to their intensive outpatient  
18 program.

19 The other thing that could be interesting,  
20 school buildings, after a certain hour, are  
21 unoccupied and it could be a cost-effective way  
22 of doing this. I mean you're going to get some  
23 people going, Oh, what are you doing mental  
24 health programs in the school for, so you have to  
25 get over that piece but I've had school folks

1           come to me asking about this. Some schools have  
2           built-in therapeutic programs. I think that's  
3           another place where people need to think about.  
4           Schools, because of the budgets, are trying to  
5           avoid sending kids out of district, which makes  
6           sense. It's very, very expensive. I get it. So  
7           alternatively helping schools find ways of  
8           developing therapeutic programming in district  
9           but doing it in a way that is a thoughtful and,  
10          you know, based on science and research and so  
11          forth and make it accessible.

12                        So it's a long way of answering your  
13          question is I'm actually really curious about  
14          that and I think it makes a lot of sense. You  
15          have got to make sure, I think, you have  
16          community buy in but I think it makes a lot of  
17          sense. And it makes me think of a couple sort of  
18          billing issues. So, for example, you have to  
19          address, you know, how is that reimbursed because  
20          it's in the school, it's not in a clinic, so you  
21          are going to get, you know, some resistance  
22          around that; and then also, as one of the levels  
23          of care, again, where there's this gap that I  
24          mentioned by providing services in the school  
25          that's one way of addressing it, the other way is



1 maybe also opening up home-based treatment  
2 sometimes. For example, you have a child who is  
3 anxious, doesn't want to go to school, there is  
4 no way of getting the kid out of there; some  
5 people want to hospitalize the kid. Right now we  
6 have no way of funding, paying for a therapist to  
7 go to the home just a couple of times. You don't  
8 need the whole IICAPS, you don't need six months  
9 of treatment to try to help this child get out of  
10 the home and go to the school, but we have no way  
11 of reimbursing right now for having the therapist  
12 go to the home a couple of times. There are some  
13 simple -- simple. There are some tweaks in sort  
14 of the funding mechanism that might be helpful in  
15 the funding that might help us save money  
16 ultimately.

17 MS. ALICE FORRESTER: Thank you so much,  
18 both of you, for your presentation. Eric, I have  
19 sort of a question on that. We piloted an IOP in  
20 New Haven school and the funding issue is most  
21 complicated around Medicaid because it's  
22 medically driven; you need a psychiatrist's  
23 signature as well as a parent's signature, at  
24 least we do in our license for Child Clinic. So  
25 I was thinking how do you sustain the services in

1           there when we're stuck in Connecticut to have  
2           such medically driven, you know, medical  
3           necessity has to be approved?

4                        But the other component around the schools  
5           I'd like you to talk more about is how do you get  
6           the parents involved? Certainly in our clinic we  
7           wouldn't see a child without sort of  
8           understanding the parents and engaging the  
9           parents in treatment. What do you see in the  
10          delivery of mental health services in the school  
11          to involve the parents?

12                      DR. ERIC ARZUBI: Sure, in school work,  
13          that is sort of the question, right. And the  
14          same thing in mental health, right in the  
15          outpatient clinic, as you know, it's hard to  
16          engage the family and the parents. So a couple  
17          thoughts. And there are people sort of working  
18          on this.

19                      So first in terms of the school-based  
20          health centers, let me start with that. I've  
21          been rotating through several school-based health  
22          centers in the state and it's been nice. It is  
23          very dependent on the school climate and the  
24          principal I think. The school principal has, you  
25          know, plays a certain role around the school

1 climate. Dr. Freiberg knows more about this than  
2 I do, but the school principal is one piece.  
3 Then how well the school-based health center.  
4 Social worker interacting with the rest of the  
5 school team. Just to give a quickie on  
6 school-based health centers. School-based health  
7 centers, how is this different from everything  
8 else we are talking about. It's literally a  
9 clinic that lives in the school. It's operated  
10 often by an outside agency, so that clinic, the  
11 information, the health information there is  
12 protected by HIPPA and should not and does not,  
13 without consent, travel in and out of that clinic  
14 to schools. So it's literally the school has  
15 allowed, has given someone the right to kind of  
16 operate a clinic there that provides primary and  
17 mental health care.

18 But what happens sometimes, and I've seen  
19 this in other places, is the school-based health  
20 center staff doesn't interact very much or very  
21 well with the school employed staff, so that's  
22 something that can be looked at. I mean we have  
23 80 school-based health centers in the state. One  
24 neat thing could be thinking about, okay, let's  
25 look at these 80 and are they operating well.

1           I mean the Department of Public Health  
2       ain't doing a good job and it's been a mess in  
3       terms of we're trying to get one open and it's  
4       been crazy. So I mean maybe helping work with  
5       the Department of Public Health around collecting  
6       information, seeing what they are looking for  
7       people to do around mental health in these  
8       school-based health centers might be one thing to  
9       think about.

10           Back to your question, parents. In my  
11       experience I've been lucky in that the  
12       school-based health centers where I've been  
13       working is the social workers have done a nice  
14       job of bringing the parents in. I've sat with  
15       the parents in the school and then I've been able  
16       to go observe the kids in the classroom and so  
17       forth. But there are other ways to do this as  
18       well. There are presumably community schools,  
19       thinking about community schools and making the  
20       school a hub for sort of services and supports  
21       automatically will hopefully draw the families  
22       in.

23           For example, we have DCF care coordinators.  
24       I think Bridgeport has piloted, I don't know  
25       whether they are in this but it's done,

1 school-based care coordination, coordinated care  
2 and providing heating, shelter, basic needs. Why  
3 not kind of meet at the school to do these  
4 things. You are drawing people into the school  
5 as a place of support and safety.

6 There's also, if you look at the SAMSA --  
7 SAMSA is the -- gosh, I'm going to screw up the  
8 name. It's sort of the mental health authority  
9 of the United States and they list a, a list  
10 of evidence-based practices. There is something  
11 called Family and Schools Together, which is an  
12 evidence-based practice around sort of rallying  
13 the community and making the school sort of a hub  
14 where families are brought in. They've done a  
15 nice job too and they are in a lot of places  
16 around the country. So there are ways and tools  
17 to do this.

18 MS. ABBY ANDERSON: Well, just I know this  
19 is something we struggle with quite a bit on the  
20 juvenile justice side, as you can imagine, and  
21 there's so much overlap but I know with the moves  
22 DCF has been making under Commissioner Katz to be  
23 a more family teaming model and one of the things  
24 they've done recently is through Favor  
25 (phonetic), which is a family advocacy

1 organization, hire a whole team of family systems  
2 managers whose whole job in each region is to go  
3 out and work with families, sort of being liaison  
4 but also train and support people to be at these  
5 sort of tables, like community collaboratives,  
6 like the local implementation services teams,  
7 where we always talk about we want families to be  
8 meaningful partners at the table, but we haven't  
9 figured out how to get them there. So having  
10 parent to parent help is a piece that I think can  
11 come across but it goes back to something I was  
12 talking about too with the school-to-prison  
13 pipeline, right, because it sets up the different  
14 players against each other, right, so you have  
15 the family advocacy organizations that really  
16 have gotten to the point, you don't want to pay  
17 for my special education services, you're telling  
18 me my kid has to go out of district, you keep  
19 telling me to come pick up my kid; so it's been  
20 this really adversarial environment, which speaks  
21 right back to that school connectedness.

22 One of the things Dr. Freiberg always talks  
23 about is we have a tendency to look at schools  
24 and school climate as focused solely on the kids,  
25 how are the kids and how are they disrespectful

1 to adults. And I can tell you, when I was in  
2 school, my bullies were teachers. You can watch  
3 and you can model how the teachers are treating  
4 each other, how the teachers are treating the  
5 kids, how the teachers are treating the parents.

6 So in a lot of these schools you have  
7 parents who might not have had positive  
8 experiences in school themselves; going to see  
9 the principal was like a really horrible,  
10 traumatic thing for them. Sorry, that was a bad  
11 use of traumatic. It was a really horrible,  
12 difficult thing for them. Right. So when they  
13 get called in to talk about their child, they are  
14 thinking only bad things happen there.

15 So one of the things is I think when you  
16 have a school climate that is welcoming for  
17 everybody then that can sort of naturally happen  
18 and those relationships can start to come  
19 together.

20 MR. CHAIRMAN: Thank you. I think we have  
21 time for one more. Dr. Schwartz.

22 DR. HAROLD SCHWARTZ: Thank you both for a  
23 very excellent presentation and discussion. This  
24 is a question I think that the two of you will  
25 have to address but it starts with Ms. Anderson's

1 presentation.

2 One of your recommendations was to require  
3 DCF to examine its continuum of services, quality  
4 control, contracting procedures and that has led  
5 to some of the arrests in children in care, to  
6 develop a plan to reduce those arrests, and then  
7 you go on to suggest, to also recommend  
8 incentivizing and supporting cooperation across  
9 agencies. Some agencies are so big and have so  
10 much accountability in so many different areas  
11 that that recommendation might apply to within an  
12 agency, and my question is about within agency  
13 issue for the Division of Children and Families.

14 So I'm struck by the 20 percent increase in  
15 arrests from the second half of 2012 to the first  
16 half of 2012 and it comes at the same time that  
17 we're noticing something in the behavioral health  
18 arena that DCF influences, and that is the  
19 tremendous or significant increase in emergency  
20 room visits that we're experiencing for youth in  
21 the State of Connecticut, and I'm wondering about  
22 the possibility of a relationship between the  
23 arrests that you're seeing and the increase in  
24 emergency room utilization.

25 The increase in emergency utilization is a



1 very, very complicated issue; there are many  
2 factors that drive it, no question, but one that  
3 stands out could well be that, in this same  
4 period of time that you've noticed your increase  
5 in arrests, DCF has, in its behavioral health  
6 area, been engaged in a very significant effort  
7 to reduce congregate care, dispositions and to  
8 alter the way that beds are used in the Solnit,  
9 formerly Riverview Hospital, in such a way that  
10 has decreased bed availability for adolescents.  
11 I am wondering if you feel that there could be a  
12 relationship between these two events.

13 MS. ABBY ANDERSON: This is, the last two  
14 years for us have been a classic case of being  
15 careful what you wish for, as an advocate, right,  
16 because, philosophically, having a commissioner  
17 come in who says, listen, there's no more silos,  
18 we're not going to label kids and have BJJ kids  
19 and some behavioral health kids and limit who has  
20 the ability to get what services based on their  
21 label, and getting a commissioner to come in and  
22 say we need to stop sending so many kids out of  
23 state, we need to stop just putting kids in  
24 congregate care, those are the dream statements  
25 as an advocate you want to hear somebody make

1       because, you know, from "Field of Dreams," if you  
2       build it, they will come. When you build  
3       facilities and people don't have to find ways to  
4       keep successfully in the community, those beds  
5       get filled. Right.

6               At the same time, things have happened so  
7       quickly in the state with pulling back from  
8       out-of-state placements, pulling back from  
9       congregate care facilities, that I think it would  
10      be silly not to assume that there is a  
11      relationship between now we're going to have more  
12      arrests and now we're going to have more ER  
13      visits. So I think part of it is some  
14      normalization of the system and sometimes when  
15      you try to make things better they get worse  
16      first and then they come back.

17              Our concern is the fact that we don't see a  
18      plan in place for how to make it better. Our  
19      concern is also, I don't really care whose fault  
20      it is, who's to blame, but when you get the  
21      provider community and DCF in a room, you know,  
22      DCF will say, well, the providers don't provide  
23      good services and the providers will say, well,  
24      DCF doesn't give us the tools that we need to  
25      provide good services, right. They tell you

1 we're going to give you fee-for-service, we need  
2 you to completely revamp your service milieu to  
3 serve these different cadre of kids. Maybe you  
4 will get some kids, maybe you won't and we're not  
5 going to give you any money to change. I don't  
6 know who's right, I don't know who's wrong; I  
7 don't really care, I just want them to fix it.

8 And from what I have been told in terms of  
9 the contracting and quality assurance and how DCF  
10 manages those kinds of things, to my mind, the  
11 fact that you have this many children being  
12 arrested from care means that that is okay as a  
13 behavioral management tool and that nobody from  
14 the upper level has said this is unacceptable.  
15 Now, a lot of these programs actually have no  
16 reject, no eject policies. Clearly those don't  
17 mean anything in a lot of cases; so what we are  
18 really pushing for.

19 And to be clear, I've had this conversation  
20 with the commissioner. This is nothing where I'm  
21 doing like a gotcha advocacy or anything. They  
22 know we have these concerns. What is their plan  
23 to make it better, what is your strategy -- you  
24 know, having crisis management teams to go into  
25 those facilities after there's been a series of

1       arrests and saying, okay, what are we going to  
2       do; that's not a plan. What's your long-term  
3       plan for telling people this isn't how we're  
4       going to manage children's behavior anymore?

5               DR. ERIC ARZUBI: I just wanted to -- so  
6       last year, and actually every year around spring,  
7       I think, everybody involved in mental health  
8       particularly around youth, I think know that  
9       around this time is when things get really  
10      difficult and the system gets really strained.  
11      When I was working the emergency room last week  
12      -- last year at the Yale-New Haven Hospital, I  
13      can't tell you how many times it happened when I  
14      was doing an assessment and I made the decision  
15      to admit a child where we would hear there are no  
16      beds in the state. There are no beds in the  
17      state. So it got me thinking, gosh, well, if  
18      that happened with a child who had an asthma  
19      exacerbation, that would make national news, but  
20      if there are no beds in the state for a kid with  
21      a mental health crisis, I guess that's cool.

22               So I was wondering about this very issue  
23      and last year approached Lori Szczygiel who is  
24      the CEO of Value Options and helps run the Value  
25      Partnership because I was wondering is this

1           happening because we are bringing kids from out  
2           of state and getting them out of congregate care.  
3           She has access to, and Value Options has access  
4           to a lot of this information. It turns out it  
5           was surprising the number of kids that were sort  
6           of DCF involved in sort of ballooning the demand  
7           for beds, it was actually small. And a lot of  
8           folks -- so if you think about the overall number  
9           of kids, right, we have 800,000 kids, age zero to  
10          18, if you think about the sickest of the  
11          sickest, you're looking at about 4,000 kids, you  
12          know. So think how about how many DCF kids  
13          versus privately insureds or underinsured kids,  
14          it turns out a lot of the kids in the emergency  
15          room who were sitting there and parked there were  
16          not the DCF kids but in fact they were kids who  
17          were underinsured or poorly insured. So they  
18          weren't getting access to supports in the  
19          community in the way they needed to be. So I  
20          think it might be a piece of the problem but I  
21          don't think it's the bulk of the problem, by any  
22          means.

23                 DR. HAROLD SCHWARTZ: If I can just add to  
24                 that. Yes, we have that data and we know that  
25                 many of the kids in the ED's come from

1       commercially insured or otherwise. Many, though,  
2       are also DCF involved, though they may have  
3       commercial insurance. And if the DCF kids cannot  
4       be moved out of inpatient services because  
5       there's no place to get them to, they can't be  
6       moved from the ED into inpatient services, it  
7       only takes a few beds, when you've got a 12-bed  
8       adolescent unit up at the Institute of Living and  
9       you've got only four more around the state, it  
10      only takes three or four kids who are staying in  
11      beds, for sometimes months at a time, to  
12      seriously bog the system down.

13             And if I could just try a little bit of a  
14      reframe from what I heard you say, Abby, a moment  
15      ago, eliminating or reducing congregate care and  
16      that would include residential, that includes  
17      inpatient care, I think it's a goal that  
18      everybody agrees with, but the care substitute,  
19      the care in the community has to be in place in  
20      order to do that. We look back on the  
21      deinstitutionalization process that started, you  
22      know, in the 60's, and it's common parlance, we  
23      all, we snicker at how we, as the society, could  
24      have thought we're just going to shut down the  
25      state hospitals, we'll pass some legislation

1           about services in the community but we won't  
2           really fund it and we won't really follow through  
3           with it and the programs won't be there and  
4           somehow it will work like magic.

5                       How is this different? How is what we're  
6           going through now different? We are shutting  
7           down more intensive level of care without having  
8           done all the footwork necessary to have the  
9           programs in the community that can sustain this  
10          and now we're seeing the unintended consequences  
11          in the emergency room and I'm learning today of  
12          an additional unintended consequence in that  
13          these kids are winding up in juvenile detention.

14                      MS. ABBY ANDERSON: I think you're right,  
15          it's exactly the same. There's a two-edged sword  
16          here, right, because if you wait to stop -- if  
17          you wait to start eliminating beds before the  
18          community services have been put into place, the  
19          community services never get put into place  
20          because the people who write the budget go I  
21          don't have to give you money for community  
22          services, you've got all these great beds. I  
23          don't want to pay for both. Right. So in trying  
24          to force the system to change, right, by saying,  
25          well, we don't have this option anymore so we

1       have to do something else can also be a problem  
2       because they go, well, it seems to be okay,  
3       nobody has died, right. Oh, so we have some kids  
4       in the ER.

5               I think to the commissioner's credit her  
6       plan was I'm going to close these congregate care  
7       beds and the money I save I'm going to spend and  
8       put right back into community-based services.  
9       Unfortunately, at least once and I think twice  
10      that she was thwarted from those efforts because  
11      during recisions and during the governor's budget  
12      he came in an swept a whole -- it was tens of  
13      millions of dollars that were swept out of DCF's  
14      budget that she planned to put back in community  
15      services that were seen by the executive branch  
16      as saved dollars that could go back into  
17      the general fund. So it's another one of the  
18      pieces you have to have everybody on the same  
19      page and agreeing to the same thing in order to  
20      be successful.

21             DR. ERIC ARZUBI: And that also happened,  
22      the other things that the commissioner did that  
23      was great, she paid the Office of Health Care  
24      Advocate to try to eliminate what private  
25      insurers were doing. In other words, private



1 insurance companies would deny, deny, deny deny  
2 and at some point some people said all right,  
3 let's put them in DCF voluntary services and the  
4 taxpayer pays for it. The DCF commissioner said  
5 let's put a stop to that, we'll hire somebody in  
6 the Office of Health Care Advocate to fight that  
7 from happening; it is a no-brainer, you end up  
8 saving a lot of money, bring back money into the  
9 system, but that money I don't think was even  
10 allowed to stay in DCF and it was swept back into  
11 general --

12 MS. ABBY ANDERSON: It was over \$2 million  
13 in like the first four months and again the plan  
14 for that was to put it back into services and the  
15 executive branch sent that money away.

16 DR. ERIC ARZUBI: So maybe there are a  
17 couple of ways obviously the DCF commissioner was  
18 able to save some money, maybe give her the  
19 opportunity to keep the money she's saving to  
20 keep building up the systems. I bet you could  
21 hire five more people for the Office of Health  
22 Care Advocate to do the work that that one person  
23 was doing, you generate millions of bucks, but  
24 give her the authority to keep that money to kind  
25 of build up that system. That's one way to kind

1 of get money from where it is to where it needs  
2 to be.

3 MS. ABBY ANDERSON: We also have an  
4 interesting system in the state of getting  
5 reimbursed for federal funds. So if IICAPS or  
6 these kinds of where you get money back from the  
7 feds, there is no incentive for our state  
8 agencies to maximize their federal reimbursement  
9 because that money doesn't come back to them, it  
10 goes right into the general fund dollars, so why  
11 is the agency going to kill themselves to  
12 maximize their federal dollars when it's not  
13 going to maximize their budget at the end of the  
14 day. You can certainly argue that way of looking  
15 at that it is one piece of sort of  
16 de incentivizing those agencies from making those  
17 sort of decisions.

18 DR. HAROLD SCHWARTZ: Thank you. So it is  
19 possible, I think, that one of the lessons here,  
20 there are often unintended consequences of good  
21 motivations and that we really need to have the  
22 programs in place or to be actively working on  
23 them before we precipitously remove the  
24 structures that are supporting the system, be  
25 they faulty and be they ones that we'd like to

1       remove, best to have the new programs in place  
2       before we act.

3               MR. CHAIRMAN: Thank you. We certainly  
4       heard this morning on the funding input side and  
5       we're coming full circle to the funding output  
6       side at the end of the day. I want to thank you  
7       both for your very thought-provoking and  
8       well-prepared testimony. We are a little bit  
9       behind schedule, why don't we take a 30-minute  
10      lunch break, reconvene at 1:15.

11                               (Lunch recess taken.)

12  
13               MR. CHAIRMAN: All right, we're a little  
14      behind schedule so why don't we get started with  
15      the next session, which is on Assessment and  
16      Management of Risk. We have with us Dr. Norko  
17      and Dr. Baranoski.

18               DR. MICHAEL NORKO: Okay, so good  
19      afternoon. You should all have in front of you a  
20      handout of all of the slides as well as a handout  
21      of the bibliography that goes with the slides,  
22      and one article that we thought was particularly  
23      interesting that you could look at at your  
24      leisure, so we'll just move right through to  
25      this.

1           So what we'd all like is to be able to  
2           reliably determine who will be violent at some  
3           point in the future, when that will occur, under  
4           what circumstances that would occur and what we  
5           could do to prevent it, but the reality is not  
6           that. The reality is that we could determine  
7           current dangerousness reasonably well, at least  
8           for clinical purposes when the danger is due to  
9           psychiatric conditions and we say that because  
10          people are dangerous potentially for all sorts of  
11          things, not all of them are psychiatric in  
12          nature.

13           And when it is psychiatric in nature we can  
14          respond reasonably well to those circumstances.  
15          We can also assess the risk of violence, but  
16          knowing what the risk is doesn't still tell us  
17          who will and who won't be violent or when the  
18          violence will occur. So in order to talk a  
19          little bit about how we perform risk assessment  
20          and management, we thought we'd go through at  
21          least some of the highlights of what we know from  
22          research.

23           The first modern era study that is really  
24          important is a study by Jeff Swanson from 1990,  
25          involved ten thousand people from three different

1 areas in the country and significant level of  
2 violence; so hitting someone, throwing an object,  
3 using a weapon or a physical fight, at some point  
4 in the last 12 months. What they found was that  
5 the things that predicted violence were male  
6 gender, young age, 18 to 24, low socioeconomic  
7 status, substance abuse and major mental  
8 disorder. Race was unrelated when you control  
9 for socioeconomic status; and the differences  
10 between the socioeconomic status, the relative  
11 risk was three times higher for the people in the  
12 lowest bracket than the highest bracket, when you  
13 broke that down into four different brackets.

14 So here's how that looks and it's important  
15 to take a look at this for a couple of reasons.  
16 So here's the high risk group, males in the 18 to  
17 24 in the lowest socioeconomic status, and that  
18 group had a 16 percent rate of violence in the  
19 last 12 months. And you can see how much higher  
20 that is than the others. You can see in general  
21 how males are more violent than females, how  
22 older people are less violent than younger people  
23 and that people who are, who have more social  
24 advantage are less violent. So this is the  
25 highest risk group that we could identify, and

1 yet when you think about that, look at the  
2 number, it's 16 percent. So even among the most  
3 highest risk group of people that we can  
4 identify, 84 percent of them will not be violent.

5 And that's the reality of every single test  
6 that we have, when we identify a high risk  
7 population, the vast majority of people in the  
8 high risk population will not commit the act; and  
9 that's one of the reasons why we can perform risk  
10 assessment but we can't tell you which individual  
11 actually will and won't commit the act.

12 If you break this down in terms of  
13 diagnoses, people who had no mental health  
14 diagnoses, the general population had about a  
15 2 percent risk of violence. An anxiety disorder  
16 didn't really add to that. An affective disorder  
17 meaning depression or bipolar depression added  
18 some to that. Schizophrenia added significantly  
19 from a statistical point of view to that. And  
20 substance abuse, by itself, without any  
21 co-occurring disorder was actually much, much  
22 higher, at 21 percent violent. Adding substance  
23 abuse to anything tremendously increases the risk  
24 of violence in that population.

25 And another thing to note here which was

1 not all that evident at the time of this study  
2 but it's becoming increasingly evident now is the  
3 interesting finding of when you add an affective  
4 component to schizophrenia that it actually  
5 increases the risk quite a bit over schizophrenia  
6 without the affective component because we're  
7 learning a lot more about how anger and other  
8 negative emotions are a significant risk factor  
9 for violence, and I think that that may be part  
10 of what's going on here.

11 Another epidemiologic study was done in  
12 Manhattan and their findings were that the risk  
13 that was due to mental illness was actually less  
14 than the risk that was due to age or gender and  
15 it was about equivalent to the risk that was due  
16 to a four to five-year difference in education.  
17 So if you had a high school education compared to  
18 people who had a college education, the relative  
19 risk between those groups was the same as the  
20 relative risk for mental illness compared to  
21 people who don't have a mental illness. So  
22 that's kind of the ballpark that mental illness  
23 plays in terms of violence risk, which I think is  
24 much less than what people think it is.

25 And the other thing that was interesting is

1       that even for people who were patients, people  
2       who were in care, they were no more risky than  
3       the average person if they were not currently  
4       psychotic. So if they were not symptomatic at  
5       the moment, regardless of their past history,  
6       they were no more dangerous than the average  
7       person.

8               A couple of developmental issues to note.  
9       If substance abuse occurs early, that's a major  
10      risk factor for violence in adult life. So  
11      alcohol use before age 15 leads to a six-fold  
12      increase in risk, and conduct disorder is  
13      ten-fold increase in risk of violence, and  
14      conduct disorder is a pattern of people who  
15      disregard rules and things like truancy and lying  
16      and cheating and that sort of thing.

17              The McArthur study is a few years after  
18      these studies; this was of a thousand patients,  
19      all of whom were hospitalized and then discharged  
20      and then followed for one year. And again a  
21      fairly significant level of violence is what they  
22      were looking for. They were looking at not just  
23      that someone got pushed or shoved but that the  
24      battery itself resulted in a serious physical  
25      injury. Any sexual assault, any use of a weapon



1 or any threat with a weapon in hand.

2 What they found was that in the period  
3 right after people were discharged from the  
4 hospital, there was still a period of relative  
5 instability, there was no more substance use  
6 during that time period and a higher risk of  
7 violence; but after the one-year period was up,  
8 by the end of that, for patients who were not  
9 using substances, they were no more violent than  
10 controls in the community who were also not using  
11 substances who lived in the same neighborhoods  
12 that the patients lived in. All right. So that  
13 was part of their control. They weren't  
14 comparing them to people who lived anywhere, they  
15 were comparing them to people who lived in the  
16 same neighborhoods because the level of violence  
17 in a neighborhood actually influences the amount  
18 of violence that occurs among individuals.

19 Then there's this concept of attributable  
20 risk, so, which is about how much of the violence  
21 that occurs in society is attributable to people  
22 with mental illness. And from this Swanson study  
23 from 1994 in the U.S., it's about five percent.  
24 So if you somehow magically took away all the  
25 mental illness in the United States, there would

1 be a drop in the rate of violent by five percent.  
2 That's how much it is.

3 Now the relative risk is a different way of  
4 looking at it. What's the risk of a person with  
5 mental illness being violent compared to a person  
6 who doesn't have mental illness, and that's a  
7 threefold risk. And among people who have mental  
8 illness, the risk is about 7 percent per year.

9 So among people with a -- and again this was the  
10 finding that was similar to the one that we just  
11 talked about, even in people who have a history  
12 of psychiatric hospitalization, if they have no  
13 active symptoms at the moment, in other words,  
14 they are in a remission or they are in treatment  
15 and their symptoms are controlled, their rate of  
16 violence was two percent, which is the same rate  
17 as in the general population. The same thing  
18 holds true in a study that was conducted more  
19 recently in 2006 in Sweden.

20 Let's take a quick look at suicide data.  
21 The CDC reports that, in 2010, 61 percent of all  
22 gun-related deaths in the United States were  
23 suicides. And this is also from the National  
24 Institute of Mental Health. The high risk groups  
25 were suicide. This white group here, these are

1 white males, these are black males, these are  
2 white females and these are black females. So  
3 the lowest risk group for suicide are black  
4 females. The more interesting thing about this  
5 slide is white males are much more at risk of  
6 suicides than anyone else and that after age 65  
7 that risk just keeps increasing right through age  
8 85, so this is a very high risk group for  
9 suicides. It's also a group that might tend to  
10 have more weapons at home and that's probably  
11 part of why they're such a high risk, is that  
12 people who use guns to attempt suicide are  
13 usually able to complete the suicide, as opposed  
14 to people who use other methodologies.

15 So a few things to say about the  
16 psychiatric prediction of violence. Clinical  
17 prediction of violence achieves a reasonable  
18 accuracy, better than chance. So it's not just a  
19 coin toss. There is something to doing the  
20 clinical evaluation and predicting violence, and  
21 what everyone concludes is that mental illness is  
22 a modest risk factor at best for violence.  
23 Clinical factors also tend to be the thing that's  
24 most important when we're looking at inpatient  
25 violence. So, when people are acutely ill and

1        need to be in the hospital, the thing that  
2        actually predicts the violence more than anything  
3        else is their clinical condition, and, in a way,  
4        that makes intuitive sense.

5                Long-term prediction, though, is better  
6        predicted by actuarial methods, and Dr. Baranoski  
7        is going to talk more about that right after  
8        this, and those are determined by historical  
9        factors. So once an acute illness is resolved,  
10       the things that lead to violence in people with  
11       mental illness are the same as the things that  
12       lead to violence in everyone else, which are  
13       historical factors, and we'll go into that in a  
14       second. And the other thing we know from  
15       meta-analysis of clinical prediction is that past  
16       behavior may be a better predictor than clinical  
17       assessment.

18                And now I'm going to turn this over to Dr.  
19        Baranoski.

20                DR. MADELON BARANOSKI: First of all, thank  
21        you for having us today. What I'm going to talk  
22        about now is, so we have the research and what do  
23        we do with it and what does it mean.

24                A little background first is risk was not a  
25        topic in psychiatry until the 60's and 70's, as

1 Dr. Schwartz pointed out at the end of the last  
2 talk. We institutionalized everybody that was  
3 mentally ill and so there never needed to be a  
4 suggestion about whether somebody who was  
5 mentally ill was dangerous or not because they  
6 were there until they could show they weren't  
7 mentally ill, which is very hard to do; but once  
8 dangerousness became an issue of a reason for  
9 involuntary hospitalization, then the ability to  
10 assess who might be dangerous to self or other  
11 became much more important.

12 So much of the research that was developed  
13 was developed by different groups, groups  
14 interested in how neighborhoods are violent, how  
15 gangs are violent, how poverty affects violence.  
16 So when we see this research, not all of it is  
17 immediately relevant to understanding what we do  
18 with it in managing the risk that comes from  
19 mental illness.

20 One thing we do is to look at the factors  
21 that were identified and the first step is to  
22 incorporate those factors into tools that can  
23 categorize risk groups. These tools identify  
24 people who have characteristics associated with  
25 the higher risk, and Dr. Noriko identified age,

1 low socioeconomic characteristics, past arrests,  
2 past violent arrests, early childhood conduct  
3 disorder; those are associated with adult  
4 misbehavior, criminal activity and often  
5 violence. So those would be factors pulled  
6 together in a tool.

7 The application of that tool then says how  
8 much is the person you're assessing like the high  
9 risk group and how much are they different and  
10 that gives you the odds ratio. And a way to  
11 understand this is when you go to the doctor for  
12 a physical problem or when you go for your  
13 regular health screen, the doctor looks at how  
14 many risk factors you have for a particular  
15 outcome, and, based on the combination of those  
16 risk factors, applies different standards of  
17 tests. So, women, for example, if your mother  
18 had breast cancer and you carry a particular  
19 gene, you're in a higher risk area. In medicine,  
20 they don't care if you're really going to get it  
21 or not, they just want to act on the risk factor  
22 because what they're doing is treatment.

23 In mental health, though, the problem is  
24 different because what do we act on and how do we  
25 act and often it is against the person's will.

1       So the odds ratio is applied in the same way but  
2       the outcome is different. Clinical assessment  
3       incorporates what we know about the group  
4       estimate but then individualizes the assessment.

5               Oh, there we go. Wrong button, sorry about  
6       that. So it works this way: Risk factors are  
7       associated with bad outcomes and the risk factors  
8       that can be changed become targets of treatment  
9       and those that can't be changed become targets of  
10      management or monitoring. So, for example,  
11      police departments know people who have offended  
12      in a particular way over and over again and pay  
13      more attention to that group of people because  
14      you can't change past history, there's nothing  
15      you can do to take it away.

16              Psychiatric disorders have symptoms  
17      associated with risk, and, if you treat them, you  
18      are changing the risk factors and you can alter  
19      that. So the balance in treatment versus  
20      monitoring depends on which risk factors we're  
21      trying to identify. The ones that can't be  
22      changed, we can't change, they are monitored.  
23      The ones we can change should be the target of  
24      focused intervention.

25              There are limitations to what we can do

1 with risk factors, however. There's no certainty  
2 of outcome just because somebody has the risk  
3 factors, even if they have all of the risk  
4 factors, except in a case where a particular risk  
5 factor is sufficient for the cause. So a house  
6 filled with leaking gas, you don't have to look  
7 for other risk factors for an explosion, you have  
8 everything but the spark, it's that connected,  
9 that strongly connected. A genetic abnormality  
10 is the same way, somebody with a genetic makeup  
11 for Down Syndrome gets Down Syndrome, there  
12 doesn't need to be another risk factor, nothing  
13 needs to happen in pregnancy for that to be  
14 expressed.

15 But most risk factors are more like cell  
16 phone use while driving; we know cell phone use  
17 is a major risk for accidents, but it's not  
18 enough to cause an accident because many more  
19 people use cell phones than ever are in  
20 accidents. So it takes more than just the cell  
21 phone to make the accident.

22 And mental illness and violence aren't  
23 connected that way, so just knowing somebody has  
24 mental illness does not make them at an increased  
25 risk for violence. It isn't an associated risk



1 factor. The whole combination of all people with  
2 mental illness with the threefold increase is  
3 true but any given person with their mental  
4 illness may not fall into that group.

5 Secondly, a lot of risk factors can be  
6 misleading, so we call them spurious  
7 relationships, and I'll give you one that's kind  
8 of an interesting one. Before Connecticut DOC  
9 banned smoking, the rate of smoking among inmates  
10 was between 70 and 90 percent, depending on the  
11 facility. That was a strong correlation, really  
12 high, but you would never say that smoking was a  
13 risk factor for getting yourself incarcerated.  
14 In fact, it went the other way around.

15 And so, in many cases, the mental health  
16 diagnosis and violence also goes the other way  
17 around. Many people with mental illness are the  
18 victims of violence, but they're the ones that  
19 end up getting identified as violent; so they can  
20 be in an abusive relationship, they can be in an  
21 exploited relationship and end up being violent.  
22 So that connection again, unless we know how the  
23 mental illness affects the violence, just the  
24 correlation doesn't give us a causal link between  
25 them.

1           Secondly, risk factors don't identify what  
2           to do. In fact, the ones that can be changed  
3           sort of tell you there's not much we can do. And  
4           even the ones that can be changed don't point to  
5           a direct action; they identify a person who needs  
6           more analysis, but not -- and I don't mean  
7           psychoanalysis, I mean more analysis about what  
8           their risk factors about but it doesn't direct  
9           care.

10           And finally the group with the risk factor  
11           cannot receive the full dose of intervention.  
12           So, for example, if we said we know cell phones  
13           and accidents are correlated, and strongly  
14           correlated. So anybody who gets in their car and  
15           picks up their cell phone while the engine's on  
16           will lose their license, we'd all say that's  
17           really an overreaction to it; they're getting the  
18           full dose of prevention without the full  
19           connection.

20           Similarly, hospitalizing or confining  
21           everyone with mental illness would be an example  
22           of overreaction. It's something we did in our  
23           history, it's something that we've learned from  
24           and it's something we wouldn't want to do again.  
25           So that's how risk factors have limited

1 application when we're designing intervention and  
2 what to do.

3 But the greatest limitation is identifying  
4 or labeling a person as risky; doesn't help at  
5 all. So if I said to you this person's a  
6 dangerous driver, a really bad driver, fix it,  
7 your first question would be why are they a bad  
8 driver, what do they do that's bad, is it a  
9 matter of getting new glasses or is it a matter  
10 of being taken off the road altogether? So just  
11 labeling a person or putting them in a high-risk  
12 group often interferes with access to community  
13 resources and it doesn't direct treatment. You  
14 need to know what are the risk factors for this  
15 individual and how does it impact their function  
16 and behavior, and that's the kind of analysis  
17 that requires the intelligent and focused and  
18 often extensive assessment.

19 So give you an example. And these moved  
20 around a little bit when we went from an Apple to  
21 a Dell and back to an Apple.

22 So if we took any group of people  
23 identified as risky, the source of the risk could  
24 come from a number of different categories that  
25 then would inform us about what we could do, and,

1       so, for example, antisocial, I'm going to all  
2       that psychopathy, and psychopathy is a tendency  
3       to disregard rules, to be very self-centered even  
4       at the expense of others, to lack empathy, to be  
5       impulsive and risk-taking; that doesn't get  
6       changed with treatment. And many people who are  
7       incarcerated, in fact, it's the most frequent,  
8       across the states, personality characteristic of  
9       people incarcerated.

10               And so to say that we'll assign them for  
11       mental health treatment would not work very well.  
12       In fact, an example is this: Supposing there's a  
13       man who's a hit man and very successful for  
14       organized crime, deals in organized crime and  
15       does a lot of the work that, the contract work  
16       and he gets depressed because, you know, he's out  
17       of a relationship and he comes to a psychiatrist  
18       because he's depressed and even thinking of  
19       killing himself, he's that sad. We can treat the  
20       depression; it will not eliminate the risk. In  
21       fact, his risky behavior will go back to what it  
22       was before because his risky behavior and harm to  
23       others did not come from the psychiatric. The  
24       risk to self may be being suicidal, we can treat  
25       that piece but the piece associated with the

1 style, a risky style, an orientation to others  
2 and to society can't be treated.

3 However, what if we have somebody where the  
4 risk does come from their psychiatric disorder,  
5 that their psychiatric disorder makes them  
6 irritable, impulsive, it makes them misinterpret  
7 others' intentions, kind of paranoid, they need  
8 to mount a defense against the paranoia; in that  
9 case the treatment by psychiatry, right, would  
10 reduce the risk.

11 For a large group of people from Dr.  
12 Noriko's report of the epidemiological studies  
13 it's social, poverty level, homelessness, lack of  
14 jobs, drugs, in that environment, again, the  
15 impact of mental health in a vacuum or the impact  
16 of even monitoring in a vacuum will not be as  
17 effective as treating the social ills. So when  
18 we talk about what are you going to do about  
19 reducing violence, we have to ask where does the  
20 violence come from and what are the risk factors  
21 associated with. There's not one size fits all  
22 in the management.

23 There are two approaches to risk  
24 assessments that I'd like to call your attention  
25 to and the one article we passed out is, the lead

1 author is Reddy from the Secret Service and it's  
2 actually in response to school violence, and they  
3 give a very careful analysis and identify two  
4 approaches that we call by different names but  
5 actually fit psychiatric and psychological  
6 analysis of risk assessments.

7 The first they call Inductive and that is  
8 relying on information about the aggregate, about  
9 a whole bunch of other people and seeing how  
10 closely the person you're assessing today fits  
11 that group. In Secret Service and FBI parlance,  
12 that would be profiling, how close does this  
13 person fit that profile.

14 Deductive is the focus on the particular  
15 person where they talk about it as threat  
16 assessment and what is particular about this  
17 person in terms of their own trajectory toward  
18 risk or away from risk. A quote from that  
19 article on the last page says that "For school  
20 violence, for targeted school violence, the use  
21 of profiles is ineffective and inefficient and it  
22 carries a considerable risk of false positive and  
23 has the potential for bias," and they base it on  
24 the idea that school violence is so rare. Even  
25 though it's in the papers a lot, compared with

1 all the other violence, it's relatively rare.

2 And so to identify any characteristic of any of  
3 the perpetrators of school violence would be to  
4 overgeneralize a whole group of people who are  
5 not violent.

6 And so their argument is that when violence  
7 is common, the inductive approach works; but when  
8 it's uncommon, peculiar, different, the deductive  
9 is best. We call the inductive actuarial risk  
10 assessment and the deductive guided professional  
11 and clinical assessment and that's what I'm going  
12 to talk about next.

13 I just gave you the web site for this  
14 article, you have it. I was worried about  
15 copyright problems and then found out from the  
16 law school it was perfectly fine to give it to a  
17 nonprofit government agency in multiple copies,  
18 so I did.

19 NEW SPEAKER: The author of that testified  
20 for us two weeks ago.

21 DR. MADELON BARANOSKI: Now I hoped that I  
22 quoted her correctly. So the actuarial risk  
23 assessment is identifying individuals who have  
24 characteristics that shown by research are  
25 associated with risk. So the actuarial measure

1 is giving like a personality survey, an analysis  
2 survey and seeing how close they look like the  
3 high or the medium or the low risk people and  
4 it's established through empirical association  
5 associated with traits and violence. Now the  
6 review of those studies, Harris and Rice out of  
7 Toronto, Monahan, I think who might be coming to  
8 the Committee or had come to the Committee, the  
9 actuarial methods for predicting violence is more  
10 accurate than unaided clinical assessment in a  
11 non-psychiatric population.

12 So if you have someone without the most  
13 severe kinds of psychiatric illness, and that is  
14 schizophrenia, bipolar, severe bipolar, severe  
15 major depression at the time and you wanted to  
16 say how risky is this person for violence in the  
17 future, actuarial measures are better for that  
18 population because actuarial measures, as we'll  
19 see in the next slide, they identify a style or a  
20 character that's preserved over time, that  
21 doesn't change from day-to-day and doesn't change  
22 like the symptoms of major mental illness in and  
23 out of treatment.

24 The predictors have already been mentioned  
25 that are always part of an actuarial page are



1 age, sex, past antisocial and violent conduct,  
2 psychopathy, aggressive childhood behavior. So  
3 you can get a feeling from the description of  
4 someone who tends to across his or her lifetime  
5 get into trouble and be violent and aggressive;  
6 regardless of the situation, regardless of the  
7 circumstances, they are more likely to be in  
8 trouble that way than another person. So again  
9 we're talking about a style, a personality style.

10 The advantages then of a measure like this  
11 is it does remain constant because instead of --  
12 you don't have to worry if you're talking to them  
13 on a good day or bad day, you are talking to  
14 them, these characteristics stay the same on  
15 these measures, it's set up in that way, you're  
16 identifying measures that don't change over time  
17 and so a high risk person in this kind of risk  
18 for this kind of psychopathy, right, remains  
19 stable.

20 It also identifies who will require closer  
21 monitoring. So it's something used in our DOC,  
22 Department of Correction here in Connecticut, to  
23 identify those who need special attention to  
24 monitor their behavior and then need special  
25 probation on the way out. And it provides a

1 direction for how you're going to refer them. It  
2 also allows us to have or develop appropriate  
3 expectations of the effectiveness of treatment,  
4 because the higher the psychopathy the less  
5 likely the usual psychiatric treatment is going  
6 to make a major difference in that. There are  
7 new techniques, there are partnerships with  
8 probation and parole that have shown promise, but  
9 the usual techniques aren't going to work.

10 The very advantages of the model are also  
11 the disadvantages. It doesn't change over time  
12 and so you can't do an assessment with these  
13 measures for someone with a major psychiatric  
14 disorder because you would never see a change  
15 enough if in the measure. Remember I said it  
16 remains constant to tell if your treatment's  
17 working, if they could leave the hospital, if  
18 they needed to go back in the hospital, it's a  
19 score that doesn't change. It also doesn't show  
20 the effective treatment, therefore, so you can  
21 treat but you're not going to change past  
22 behavior. One of the items on it or whether they  
23 had conduct disorder as a child and you're not  
24 going to change their age unless they stay in for  
25 a very long time.

1           It won't identify the risk for the first  
2 episode of a problem. So one of the drawbacks of  
3 these measures, in adolescents who haven't had  
4 time yet to be bad, their scores are artificially  
5 low and emerge over time. And since conduct  
6 disorder is diagnosed more in poor children than  
7 this in upper middle class children, it is also  
8 something that can be masked by socioeconomic  
9 class, it can be missed in that way.

10           It can't be used in an emergency assessment  
11 because in an emergency assessment you don't have  
12 enough data. These measures take a lot of data  
13 to be certain you know what their past arrest  
14 history was and their past treatment history, and  
15 it can't stand alone in a psychiatric population.  
16 So we use them but we don't use it alone. Now  
17 the other important factor here is if we applied  
18 this to the important factors, the important  
19 tragedies in our state, the people would not have  
20 scored high on these, and I'll give you an  
21 example.

22           Mr. Peterson who is at CVH -- at Whiting  
23 who killed Jessica Short, remember, stabbed  
24 Jessica Short to death at the sidewalk sale in  
25 Middletown in the late 80's, early 90's. His

1 score on these actuarial measures is not high but  
2 he had been violent before, it had been  
3 associated with his psychiatric disorder.

4 So when you have a psychiatric disorder,  
5 these measures do not apply, and, if given, can  
6 give you the wrong information. You can  
7 underestimate the risk and in some people who age  
8 out or develop like dementia or another problem,  
9 they can give you a false high that no longer  
10 applies.

11 These are the two that are used and  
12 validated by research, the PCL-R, Psychopathy  
13 Checklist Revised, also called the Hare  
14 Psycopathy Checklist because Robert Hare was the  
15 original author, and the Violence Risk Appraisal  
16 Guide. The VRAG incorporates the Hair. Again,  
17 they are used, and, when used appropriately, they  
18 give very important information. And when  
19 they're used in concert with the clinical  
20 evaluation, they're very important.

21 Now, clinical risk assessment now is more  
22 like the deductive. Remember the deductive are  
23 saying so you get to know this person and what  
24 are the individual risk factors and triggers and  
25 the mitigators of risk, what exacerbates it, what

1 holds it back. So the clinical evaluation of a  
2 clinical risk assessment is of an individual at a  
3 specified time using as much historical data as  
4 you can, using the actuarial measures, if you  
5 have them, but looking at them right now and  
6 appreciating that there is an immediacy of risk  
7 when you see the current state given the  
8 long-term trait. Now psychiatry, and we'll see  
9 in the research, is often seen as overpredicting  
10 risk and we'll talk about that as being a  
11 function of analysis, not a function of error as  
12 much. But the cases in which we underestimate  
13 risk is when all of us as a public and  
14 professionals are lulled by the traits of the  
15 person, that is, when we say they're so  
16 high-functioning this can't be that bad right  
17 now, they can't need too much help because look  
18 at all they do on their own, how well they  
19 function on their own.

20 And one important example and what I bring  
21 today is not confidential because I know this  
22 from the same sources that you have access to,  
23 Michael Laudor was graduated from the Yale Law  
24 School after, in his 20's, having a severe  
25 psychotic break diagnosed with schizophrenia and

1       spent eight months in a hospital and then came to  
2       Yale Law School, did very, very well. He was  
3       courted -- became an advocate for mental illness.  
4       He was courted by Ron Howard for A Beautiful  
5       Mind. John Nash ended up in A Beautiful Mind  
6       because Michael Laudor killed his fiancée. It  
7       was unexpected, everyone said, because he was  
8       doing so well but his illness had overwhelmed  
9       him, and he had gotten a not guilty by reason of  
10      insanity out of New York. It happened in New  
11      York State. So that's an example where we get  
12      lulled by successful people and not appreciate  
13      how severe mental illness can be and that's why a  
14      number of professionals end up suiciding because  
15      we don't recognize the level of depression.

16             And we'll talk later about how we've  
17      stigmatized mental illness as a characterological  
18      disorder, as a flaw of character, rather than a  
19      disease, and so that's an area where the current  
20      state needs to be focused on, and that's what a  
21      clinical assessment does.

22             So, again, if we had given Mr. Laudor any  
23      of the actuarial measures, he would have scored  
24      zero. He was a well-meaning young man, very  
25      empathetic, very caring, took on advocacy and

1 very sick, and that's not picked up. It's picked  
2 up in clinical risk assessments.

3 So the individual assessment looks at  
4 indicators and correlates of increased risk. It  
5 puts a person on a time line, when were you most  
6 violent, under what circumstances, when did you  
7 consider suicide or try, under what  
8 circumstances, and how close are we right now to  
9 those circumstances again; were substances on  
10 board, were you depressed, was it after a loss,  
11 were you on medication.

12 The sources of information in a clinical  
13 interview include behavioral observations by  
14 professionals, but professionals are not only in  
15 the psychiatric community, police are  
16 professionals, teachers are professionals,  
17 nurses, storekeepers, postmen can be  
18 professionals, people who see a lot of behavior  
19 and know what looks different. You know that  
20 sign, you see something, say something. You sort  
21 of capture the idea here that you're not able to  
22 maybe put a name on it but you know this looks  
23 different for this person now. That's the  
24 behavioral observation.

25 Collateral data, historical data in records

1 and the sources from family, employer, police and  
2 others. We look at the uniqueness of the  
3 situation. I call your attention to the Virginia  
4 Tech shooting just very quickly. Remember the  
5 professor, she was not young, she was a professor  
6 of literature who was afraid to have the young  
7 man in class, set up a private tutor and told her  
8 secretary, if I give you a code word, call the  
9 police. That was unique. That doesn't happen  
10 with professors and teachers. That stood out.  
11 He was different. She knew in a particular way.  
12 The problem was we don't have a conduit for  
13 getting that information in. And their law was  
14 different from ours; they have a very short time  
15 for observation.

16 And any change in function or change in  
17 mood. How does the person look different today  
18 and is the function going down or going up. Do  
19 they look better, are they more angry today, are  
20 they more isolative today, are they more  
21 interactive today. Again, I think of teachers  
22 having daily contact with children over and over  
23 again and they know children and they get to know  
24 one child. That's that kind of observation where  
25 we say that is just as important as a formal



1       measure; and in many cases more important because  
2       it's individualized.

3               There's an assessment of change. What are  
4       the trajectories of decline and linking them to  
5       what. So was this the loss of a parent and we  
6       have this behavior; a loss of a job. What was  
7       going on. And so we track the entire life to see  
8       the connections between a change in behavior,  
9       increased symptoms, and, therefore, increased  
10      risk.

11             The response to treatment. If treatment  
12      doesn't work, giving more of it isn't going to  
13      help. I remember a man in jail was refusing to  
14      take Haldol, so they kept increasing his dose.  
15      Well, as long as he refused it, it wasn't going  
16      to help, no matter how much more they gave. So  
17      the treatment has to be not only more accessible  
18      but it has to be effective and if it is not  
19      effective then we have to change treatment.

20             Anger, very important emotion. More and  
21      more research coming out saying that it's the  
22      presence of anger on top of the symptoms that end  
23      up being related to psychiatric violence; and  
24      isolation, being cut off from observation, social  
25      support and normalization from others.

1           The integrated measures that give us both  
2           of these, besides the individual assessment, is  
3           the HCR-20 that has historical, clinical and risk  
4           management items, and it's used in our hospitals,  
5           it's used at CVH now. It's a way to track  
6           patients. The historical never changes, that's  
7           the actuarial piece; but the clinical and the  
8           risk management do, so you can track if they're  
9           improving in care.

10           The Iterative Classification Tree came out  
11           of the Monahan Group and he may have presented  
12           that; and the COVR is one of the derivations of  
13           that.

14           The Level of Service Inventory, LSI-R is  
15           used by our probation and parole departments, it  
16           is a very good tool. It looks at where the need  
17           is; that's Level of Service Inventory, what do  
18           they need. So it looks at homelessness, it looks  
19           at education, it looks at a number of things that  
20           can be changed in addition to past history. So,  
21           combined, these have both of those.

22           So Steadman, in the research, showed this  
23           correlation with violence in people who were  
24           hospitalized and then released. So they were all  
25           treated, they all had a psychiatric illness

1           because they were in the hospital and then they  
2           were released and this was following them over  
3           time and I want to call your attention, these are  
4           the "R" levels; so this is the amount of  
5           relationship, psychopathy, that's that antisocial  
6           personality I described, had the highest, and  
7           then it began going down, drug abuse diagnosis,  
8           anger scale, father's drug use, father being  
9           arrested. They were all significant  
10          statistically.

11                 So that meant it was more than you'd get by  
12          chance alone, but as far as relevance we have to  
13          decide. We can't change the father's drug use in  
14          most cases, these were all adults; and whether  
15          the father was arrested or not couldn't be. So  
16          these were two that just identified people, but  
17          how important was that identification.

18                 Here are some others: Child abuse, recent  
19          violence. You would have expected that to be  
20          higher in a way but it turned out not to be.

21                 And I call your attention to this one. TCO  
22          symptoms are Threat Control Override and these  
23          were identified in a number of studies as the  
24          belief a person has that's on the psychotic  
25          spectrum that people are controlling their mind;

1 the threats come from outside, they are  
2 controlling my mind and overriding my thoughts,  
3 and those symptoms were associated with violence  
4 when the person wasn't treated and in this case  
5 they are negatively associated with violence.

6 See, when you have the minus in there, it  
7 means when they're high, the violence is low.  
8 When the violence is high, they're low. You say,  
9 well, does that make sense. Well, these are the  
10 treatable ones, remember, these are the things we  
11 can change. We can't get rid of schizophrenia  
12 completely, not the diagnosis anyway, but we can  
13 get rid of the symptoms; and when we do, you see,  
14 when this is treated, then we reduce that piece  
15 of violence that belongs to that.

16 So this was showing in a hospitalized  
17 population what was related was not the  
18 psychiatric as much as, again, the personality.  
19 And I will show you how important it was when we  
20 look at this study. So this is from Swanson 2013  
21 and this is just looking at if you look at states  
22 and how many households had guns and what their  
23 firearm fatality rate was, do they vary together.  
24 It's not saying 60 percent of people are dying or  
25 anything, it's just saying the amount of

1 variation, it's a slope that goes in a positive  
2 direction. Look how high it is here and we still  
3 say, well, it's not enough to say you're going to  
4 ban firearms; but, here, look how even the  
5 highest with psychopathy was still .26.

6 So even though we find statistical  
7 difference it doesn't necessarily mean that we  
8 really can target a group and say oh, yeah, this  
9 is the one, this is the group we really have to  
10 watch, because this is the group that's  
11 definitely going to be involved in something.

12 Okay. And I want to call your attention to  
13 one other very recent study by Coid and Ullrich.  
14 These are delusions, persecutory, being spied on,  
15 conspiratory that were associated with  
16 dangerousness before in people with psychosis.  
17 And so because the major disorder, the major  
18 problem in psychotic illness is not being able to  
19 know the difference between what I'm thinking and  
20 what's really happening, if I get scared, instead  
21 of knowing I'm scared I think there's danger,  
22 independent of my being scared; if I get uneasy,  
23 if I get angry, it belongs outside, and those  
24 were associated with violence. But what they  
25 showed is they're not associated with violence

1 unless the person's angry.

2 And what do we know about anger? Anger  
3 varies from day-to-day. It can build, but it  
4 varies. Where the delusions don't vary as much  
5 but the anger does, and the important thing here  
6 is we know when somebody's angry, we can see it;  
7 if we tune into that effective quality, we know  
8 then that a person struggling with the symptoms  
9 of psychosis may, in that time, right, be more at  
10 risk.

11 So that was an important finding that again  
12 pointed us in the direction of treatment and had  
13 more implications for association and eyes-on,  
14 the more we can make informed observations.  
15 That's important.

16 Okay. And my last slide is that McNeil  
17 showed again that clinical factors are more  
18 important in acutely ill individuals. So in the  
19 hospital or when they are under treatment the  
20 clinical factors matter from day-to-day, but  
21 historical factors in a, particularly in a  
22 population where the risk does not come from the  
23 primary psychiatric diagnosis, the actuarial  
24 measures are better. So, at the end of the day  
25 we're not saying one is better than another, we

1 are saying you have to fit it to the question,  
2 the kinds of violence, where does the violence  
3 come from, what are you looking at here.

4 I am going to turn it back over to Dr.  
5 Norko.

6 DR. MICHAEL NORKO: So we need to talk  
7 about a few things. The outcome of actuarial  
8 test, and we hear this all the time, is to come  
9 up with saying that someone has a certain level  
10 of risk, and so we're going to talk about what  
11 that means so that we have an idea of what it  
12 actually means and not what it sort of sounds  
13 like colloquially. We're going to use this  
14 imaginary instrument, the Generic Risk Screening  
15 Tool, the GRST, and we're going to give this tool  
16 the attributes of the best tools we have  
17 available currently. So when we operationalize  
18 this and we use the tool to define risk groups,  
19 where we start is so what's the overall risk in  
20 the population.

21 In other words, what's the base rate of  
22 violence in the population. So we're going to  
23 use this value of 18.5 because that was the rate  
24 of violence in the MacArthur study for the  
25 discharged hospitalized patients in the one year

1 after their discharge. So when we try -- so what  
2 does high risk and low risk typically what we'll  
3 say is we'll say low risk is half the usual rate  
4 and high risk is twice the usual rate. So we're  
5 going to say a high-risk group is a group that  
6 has a risk of 37 percent, okay, but when we say  
7 that, what does that mean? We don't really mean  
8 that the person is somehow 37 percent risky,  
9 right, and we don't mean that the person is risky  
10 37 percent of the time; so what do we mean?

11 So this is what happens. So you start with  
12 a population of people and then you administer  
13 the GRST, and when you do that, let's say you  
14 compile a group of a hundred high-risk people who  
15 will be represented by these demons and then you  
16 identify a hundred percent of low-risk people who  
17 will be represented by these scouts. So in the  
18 end you have a group of high-risk and low-risk  
19 people. And then you follow them to see what  
20 happens because you've identified them based on  
21 what you predict will happen based on their  
22 attributes based on your application of this tool  
23 and now you're going to see if you're right.

24 So 9 percent -- okay -- something happened  
25 here -- oh, no. This will look better on your



1       handouts, all right. So in the conversion here,  
2       what was supposed to happen is that nine of these  
3       figures were supposed to be demons, so this is  
4       supposed to be the low-risk group where they were  
5       supposed to have shading, okay. So these should  
6       be shaded, nine of these would be shaded. It  
7       would have been red squares, just so you'll know.  
8       And 37, only 37 percent of the high-risk group  
9       would have committed the act. So all of these  
10      people are sort of listed as the devils but only  
11      37 of these hundred would have been shaded, as  
12      you see on your handout; but if you flip that  
13      around it gets even -- so if you look at the  
14      people who would not have committed the act and  
15      you look at the shading that's on your handout,  
16      63 of these people would not commit the act. You  
17      said they were high-risk and yet the vast,  
18      significant majority of the people you said were  
19      high-risk didn't commit the act.

20                So what we have is a sea of false  
21      positives, right, there's more false positives of  
22      people that committed the act. So the low-risk  
23      group -- okay, so now this actually works so the  
24      low-risk group actually looks like this. So  
25      there are the demons scattered among them and the

1 high-risk group really looks like this and the  
2 majority of them are scouts.

3 And that's just the way it is, that's  
4 because we define high risk as twice the base  
5 rate, so this is all related to the base rate.  
6 If the base rate was 50 percent or 60 percent,  
7 all of this would be much easier. It's much  
8 easier to predict things that are more common and  
9 it's much harder to predict things that are less  
10 common and that's just sort of a mathematical  
11 reality that we can't get past.

12 I know you said there wasn't going to be a  
13 math --

14 So when we say that someone's got a  
15 37 percent risk, that's a misstatement because  
16 the individual doesn't have a 37 percent risk.  
17 What we're really saying is, in the ways that  
18 we're talking about, this individual looks like a  
19 group of people among whom 37 percent will be  
20 violent. Which of those will be violent and  
21 which will not, we have no way of telling. The  
22 instrument doesn't tell us that, it's just saying  
23 that's the risk in the population; but I don't  
24 know you'll get it, you won't, we don't know.

25 You know this is and this doesn't bother

1       you if, for example, you're running a casino,  
2       right. If you own a casino you don't care who  
3       wins, you just care that more people lose than  
4       win, but you don't care which one wins, right.

5               But in mental health care, this is exactly  
6       what we're supposed to care about, we are  
7       supposed to try to figure out exactly which  
8       person and trying to prevent the violence from  
9       occurring. We're asked to do something that  
10      really isn't possible mathematically, in other  
11      words.

12             The other way of looking at this it is  
13      something called positive predicted power.  
14      What's the percentage of people you predicted  
15      would commit the act who actually do. And when  
16      we look at that, the positive predicted power is  
17      almost never more than 50 percent. So, in other  
18      words, the majority of nearly every identifiable  
19      high-risk population we can ever identify will  
20      actually not commit the predicted act.

21             And then it gets worse because, the lower  
22      the base rates are, the worst this gets. So if  
23      you have a base rate of about 27 percent --  
24      20 percent and you have one of these really good  
25      instruments, the predicted power will be .37.

1 That means you'll be wrong two out of three times  
2 that you make a prediction using this very  
3 accurate instrument. If the base rate's  
4 6 percent, you will be wrong six out of seven  
5 times. And if we're looking at things like  
6 really serious violence where the base rate's  
7 going to be more like one percent, this really  
8 accurate instrument would be wrong 97 percent of  
9 the time that you applied it to individuals.

10 So these are things that we have to think  
11 about. Now, number needed to detain is a similar  
12 concept to number needed to treat. If you  
13 presume that the intervention would be to detain  
14 someone and that's what you would have to do in  
15 order to prevent an act by someone with mental  
16 illness, then we wind up with this chart from our  
17 colleague Alec Buchanan at Yale who published  
18 this in 2008. I know that you might be able to  
19 see this better on your handout than we can here.  
20 This is the scope of the curve. So this is the  
21 number needed to detain and this bar here is 7.5;  
22 this is 15.

23 This wouldn't be so bad if we were working  
24 in this part of the graph because then the  
25 numbers needed would be pretty small, they'd be

1 two, maybe three people that we'd have to do  
2 something with in order to prevent one of them  
3 from committing a violent act; but at this rate  
4 of the graph, this is 30 percent, 40 percent, 50  
5 percent rates, base rates of violence, and that  
6 just never happens.

7 The area that we work in, the reality is  
8 that we're in this part of the curve where the  
9 number needed to detain goes up really quickly  
10 depending on the base rate. So to see this a  
11 little better, if the base rate is 20 percent,  
12 you have to detain four people in order to catch  
13 the one. If it's 10 percent, it's six. And it's  
14 15 if it's down to 5 percent.

15 Now to put that in context of the real  
16 world, depending on what study you're looking at  
17 the rate of violence that was captured in one  
18 epidemiological study was 17 percent, so we'd  
19 have to detain 3.5 people if that's what we were  
20 looking at. But if we were looking at serious  
21 violence, because that included pushing and  
22 shoving, if we looked at serious violence in  
23 another study in which physical injury occurred,  
24 the number needed to detain winds up at 15  
25 because the base rate was down to 3.6.

1           A recent study of a meta-analysis from  
2           several non U.S. countries demonstrated was  
3           looking at the danger of stranger homicide by  
4           people with psychotic illnesses, and the risk of  
5           a stranger homicide by a person with  
6           schizophrenia is one in 70,000. That's a base  
7           rate of .001. On that chart that we were looking  
8           at before, that's off the chart; so that means  
9           that you'd have to detain tens of thousands of  
10          people to prevent that one stranger homicide by a  
11          person with schizophrenia if that was the  
12          methodology that you were going to try to employ.

13                 So it's an extremely rare phenomena, and,  
14                 as the authors concluded, there's very little  
15                 prospect we're ever going to develop an  
16                 instrument that would be sufficiently sensitive  
17                 or specific to be of any use in predicting which  
18                 patient might commit this kind of offense.

19                 As Mossman points out and as we've just  
20                 been describing, accurate predictions aren't  
21                 correct predictions because all of these  
22                 instruments are accurate, every one of those  
23                 predictions would be based on an accurate  
24                 assessment, and yet they'd be wrong most of the  
25                 time; and the problem is they don't fail to make

1 meaningful clinical distinction, right.

2           So if the risk you were looking at was the  
3 risk of a homicide and someone had a 9 percent  
4 risk and someone else had a 37 percent risk,  
5 would you really feel comfortable treating them  
6 differently and just saying, well, the 9 percent  
7 risk, that's a low risk, I won't worry about  
8 that. When the outcome is potential homicide, 9  
9 percent and 37 percent are not a meaningful  
10 enough distinction. In order to make meaningful  
11 enough distinctions, the instrument would have to  
12 be essentially infallible and that's just not  
13 possible to create that.

14           Okay. I turn it back to Dr. Baranoski.

15           DR. MADELON BARANOSKI: So we're going to  
16 talk about this for the basis of making  
17 management decisions, and, at the end, management  
18 recommendations. So the challenges to using this  
19 directly for management is not all violence is  
20 the same. So if we're going to try to manage  
21 violence, we're going to have to decide what  
22 we're going to do, manage inner-city violence  
23 related to gangs or adolescents, or manage  
24 psychiatric violence, and violence is  
25 overdetermined. So, again, there's no one

1 situation that has all components all the time  
2 and so why a drug dealer does a killing one day  
3 and not the days before is because of another  
4 factor that we couldn't see, we don't know, and  
5 that's why violence, to try to predict violence  
6 as an outcome is not like trying to predict a  
7 disease or another outcome that has a streamline  
8 of causes that can be identified and stabilized  
9 over time.

10 The other thing is we only study common  
11 violence because it is common and that's why we  
12 can study it but then we apply it to uncommon  
13 situations. So it would be like studying the  
14 common cold and making conclusions about the new  
15 flu that's just outbreaking in China. It's not  
16 the same. Symptoms might look the same at the  
17 end, people might look very sick and they might  
18 be coughing but we'd never argue it's the same  
19 mechanism, but that's what we end up doing. And  
20 why do we do that; because there aren't enough of  
21 the uncommon to study and so our conclusions  
22 often are limited in applicability.

23 And so I go back to Dr. Noriko's slide.  
24 Remember all the hundred Boy Scouts but only nine  
25 of the red, okay. Are many of our more tragic



1 and multiple shootings by someone with mental  
2 illness would end up being one of those Boy  
3 Scouts in terms of the other measures, in terms  
4 of the other things that they showed as signs of  
5 being potentially violent in the common way,  
6 right.

7 Take the Virginia Tech gunman. He was in  
8 college, he graduated from high school, he was  
9 doing college work, he didn't have an arrest  
10 record, so he didn't look like someone who had a  
11 long arrest record and had weapons charges and so  
12 on. Okay, so that's the feeling and that's the  
13 problem.

14 The other thing is that we know treatment  
15 alters courses because we see a change in  
16 symptoms but if we're always going to focus on  
17 violence as the outcome, we're never going to  
18 know if we prevented anything because we know  
19 when something happens but we don't know when it  
20 didn't happen, right. So -- and that's different  
21 from police. So police go to somebody nearly  
22 jumping off of a building and they interrupt a  
23 case or they interrupt a hostage situation,  
24 they're interrupting it. They didn't prevent it  
25 all together.

1           In mental illness, I'm talking about  
2 preventing it. We don't know how many times our  
3 treatment worked. So I could say oh, yeah, you  
4 know we stopped a lot of these killings going on,  
5 and you could say no, look at your base rate's so  
6 low, you didn't stop anything. You can't prove  
7 prevention on an individual basis.

8           And our research has always had competing  
9 goals with treatment, right. So if I asked you  
10 or made the argument that we should get rid of  
11 airport detectors, metal detectors because they  
12 don't predict hijackings. In fact, on very  
13 horrible hijackings, they didn't pick up the  
14 metal. And I go through and I always set it off  
15 and I'm never going to highjack, so we should get  
16 rid of it. And you argue no, no, no, they're not  
17 to predict an outcome, they are to detect a risk,  
18 a risk of metal. But our research, we look at  
19 the outcome of violence as a measure, you see.

20           And so I'm going to take you now through  
21 something that may be a little tedious but kind  
22 of interesting and if you're ever on jeopardy it  
23 might come up.

24           So in World War II the British Navy  
25 developed a method of analyzing whether sonar on

1       submarines was accurately detecting what was  
2       really in the sea around them; so that was the  
3       big issue, could you tell when a real submarine  
4       was coming or was it a whale, and they developed  
5       what was called signal detection theory and  
6       analysis. So the idea is there's a reality out  
7       there and the thing around that submarine is  
8       either another submarine or it's a whale and can  
9       that sonar detect it. And what they wanted was a  
10      sonar that said yup, it's a submarine when it was  
11      a submarine and yup, it's a whale when it's a  
12      whale. And that's where we get the term false  
13      positives. So if the detection said it's a  
14      submarine and it was really a whale, that's a  
15      false positive. If it said it was a whale when  
16      it was really a submarine, that's a false  
17      negative. So you've heard those terms, right?

18             You go to get your TB shots or TB testing,  
19      this is the analysis they use to determine  
20      whether the test they're using on you is reliable  
21      and valid, right? Or we say sensitivity and  
22      specificity, how many false positives and how  
23      many false negatives, and this is the analysis we  
24      apply to our work. But look what happened, over  
25      there the scientists that were developing this,

1           they wanted a lot of true positives and a lot of  
2           true negatives and these were the mistakes.

3                     Now would that work in clinical practice?  
4           We would not tolerate a psychiatric system that  
5           sat around identifying high-risk people and then  
6           celebrating when they committed violence. What  
7           do we do, you see somebody who is high-risk and  
8           you try to move them over into the no-risk. And  
9           then you have a false positive on research.

10                    So our work isn't to predict violence, it's  
11           to identify risk and mitigate it, manage it. And  
12           again but how do we know that we're working on  
13           doing it. That's what we can't determine. We  
14           don't know how many times we've been successful  
15           in preventing something very, very bad. All we  
16           know is how many times we've reduced symptoms,  
17           reduced anger, hospitalized someone. In fact, we  
18           could argue when we put somebody in for suicide  
19           and then let them out, somebody could say they  
20           weren't going to do it anyway, and we wouldn't  
21           know for sure.

22                    So the difficulty of determining the  
23           effectiveness of mental health services for those  
24           rare outcomes in populations that don't show  
25           common violence, that odd violence that's

1 associated with psychiatric symptoms is very,  
2 very hard to show and I'll maintain we are making  
3 a difference, we are intervening but we're  
4 intervening when they access treatment. Can't  
5 intervene when someone doesn't access treatment.

6 So the management of risk then begins with  
7 assessment. Assessment is part of risk  
8 management, it cannot be separate; and when  
9 somebody tells me oh, yeah, I did a risk  
10 assessment when he first came in three years ago,  
11 I know they don't understand what they're doing.  
12 Risk assessment takes place every time you see  
13 somebody: How have they changed, their comfort,  
14 their suffering, their risk for symptoms, without  
15 worrying about whether we're predicting an  
16 absolute episode.

17 Assessment also allows us to look at the  
18 management of treatment and to figure out the  
19 next step. So a man who is always in trouble and  
20 gets into fights and even threatens people with  
21 knives but it always happened when he was  
22 homeless, on drugs and off meds, and we get him  
23 hospitalized for a little bit and then we get him  
24 housing and we get him into drug treatment and  
25 then we say, well, what's the next step now. And

1       that's what assessment tells us, how you layer  
2       the risks, take them away one by one based on  
3       what's the most severe but also what's the most  
4       accessible to do.

5               Assessment allows us to monitor the  
6       mitigators and exacerbators. Are problems  
7       getting worse or not. Is the child being bullied  
8       more in school now because he was put in special  
9       ed than he was before; and bullying was  
10      associated with the fights that he had in school.

11              So a solution now is never seen as standing  
12      independently without an assessment to see if it  
13      worked, and assessment has to include all  
14      measures.

15              So I would never agree that we should use  
16      actuarial measures but we should never use them  
17      alone on a psychiatric population. The clinical  
18      risk assessment, you've seen this before, that is  
19      also a guide for treatment.

20              We identify the target. Ignore the letters  
21      on the side, that's just a formatting issue. You  
22      don't have them -- are we looking at long-term or  
23      are we looking at a person right now. Are we  
24      predicting whether this person should be housed  
25      on a maximum security, which is something that

1 DOC would be concerned about, or are we looking  
2 at whether they can leave the hospital today.  
3 Different questions.

4 Discharge placement and level of acute  
5 care. What do they need in the community to  
6 maintain their level of mitigated risk. Just  
7 because they leave the hospital doesn't mean all  
8 risk factors have gone away. And are we  
9 consulting, are we doing clinical management,  
10 what is our role in identifying risk, and all of  
11 this guides in how we do the assessment and make  
12 the recommendations.

13 Now I just want to talk about harm  
14 reduction because harm reduction is a very useful  
15 idea in substance abuse; you reduce harm, you  
16 reduce the things that make a person crave for  
17 drugs, you begin to whittle away at as much of  
18 the risk as you can, knowing there may be a core  
19 of risk you can never touch. So in harm  
20 reduction we look at titrating risk with  
21 appropriate services, putting as much in place as  
22 need be to bring the risk as low as we can. And  
23 in high risk patients we want to try to increase  
24 the mitigators and reduce the aggravators, and  
25 there are a lot of aggravators when you're

1 homeless in a community, craving for drugs, with  
2 a psychiatric illness. And so, to reduce risk,  
3 much of our work is at stabilizing a person's  
4 life. Now, again, we can't prove that they would  
5 have done something horrible, right, but we know  
6 we've reduced the risk when we've treated.

7 We target the interventions to specific  
8 risk. Every intervention should be addressed at  
9 increasing the person's functioning and reducing  
10 the risk.

11 So the harm reduction goals are these: We  
12 need an identification of specific factors that  
13 alter risk level for every person that we're  
14 trying to treat, and that means information  
15 beyond what we can collect. The incorporation of  
16 substance abuse treatment needs to be considered,  
17 and substance abuse treatment cannot end when a  
18 person is sober even for several months. People  
19 coming out of prison are still craving drugs even  
20 if they've been in for years, especially when  
21 they get back into the neighborhood where they've  
22 used the drugs before, so substance abuse treatment  
23 is a way of talking about low frustration  
24 tolerance, impaired coping skills and a fast and  
25 accessible fix. And, unfortunately, drugs are



1 more accessible than treatment and actually drug  
2 dealers are employed more readily than most other  
3 jobs that we have, as well.

4 We need adequate information. What's  
5 included is always a weapons assessment; not only  
6 firearms but weapons. Do you have weapons in the  
7 house? The answer to that is always yes, of  
8 course; but a person who says no, I don't have  
9 any, you know they haven't thought about weapons  
10 in general, they've thought about it in a very  
11 specific way.

12 Environmental and social stabilization. We  
13 need to decrease isolation and increase access to  
14 treatment, increase access to consultation for  
15 those who aren't the patients, to families and  
16 others who have questions, and we need to  
17 increase helpful eyes-on. Not policing eyes-on  
18 necessarily, helpful eyes-on.

19 Now, the way to do that, and I understand  
20 HIPPA so I understand what the rules are about  
21 this, but one of the things we need to start  
22 looking at is why it is so hard for people to see  
23 mental illness the way they do a common cold and  
24 a sore throat. So we have all these thoughts in  
25 a box, rung up, and people are always going in,

1 asking for antibiotics; there's no shame in that,  
2 is there. But there's so much shame connected  
3 with mental illness. That stigma we have not --  
4 we have eroded a bit but we haven't removed. The  
5 same thing was true when AIDS was first diagnosed  
6 and we've come a long way with AIDS, with people  
7 being able to say yes, I have this and I'm going  
8 to treatment, and that took a lot of concerted  
9 effort and collaboration from the community level  
10 on down.

11 This is a poster that's put out by NAMI and  
12 by APA, American Psychiatric Association. It's  
13 in airports across the country right now and I  
14 thought it was a very nice way of sort of being  
15 in your face, saying, come on, think of mental  
16 illness as a disease. Those kind of approaches  
17 will allow parents to identify their children as  
18 sick, not as bad, and allow people to think yeah,  
19 maybe this is more suffering than I need to do  
20 even though I know I am right and the rest of the  
21 world is against me, that I don't have to suffer  
22 so much with that.

23 So changing the culture around mental  
24 illness is one of the approaches that will  
25 increase the ability to access treatment, the

1 ability to have eyes-on, the ability to work  
2 collaboratively within a community.

3 Okay, I am going to let you finish. I am  
4 going to turn it over for the last stage.

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CERTIFICATE

I hereby certify that the foregoing 115 pages are a complete and accurate transcription to the best of my ability of the electronic sound recording of the April 12, 2013 Sandy Hook Advisory Commission hearing.

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Deborah A. Beausoleil, LSR

\_\_\_\_\_  
Date