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PUBLIC HEALTH SERVICE
CENTERS FOR DISEASE CONTROL AND PREVENTION
NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH

convenes the

TOWN HALL MEETING

NORA

NATIONAL OCCUPATIONAL

RESEARCH AGENDA

The verbatim transcript of the
Town Hall Meeting of the National Occupational
Research Agenda held in Los Angeles, California, on
February 21, 2006.

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TRANSCRIPT LEGEND

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-- "*" denotes a spelling based on phonetics, without reference available.

-- (inaudible)/ (unintelligible) signifies speaker failure, usually failure to use a microphone.

TOWN HALL ORGANIZERS

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PROCEEDINGS

(9:15 a.m.)

OPENING REMARKS

1
2 **DR. HINDS:** Good morning. It's time to get
3 started here. Okay. Good morning. I'm Bill
4 Hinds. I'm the Director of the Southern
5 California NIOSH ERC and I want to welcome you
6 to this NORA town hall meeting.

7 NORA stands for National Occupational Research
8 Agenda, and it is the framework that defines
9 our priority areas for research in the field of
10 occupational health.

11 This meeting is part of a process to set the
12 research agenda for the next decade. It's --
13 actually this meeting is one of 13 meetings
14 being held around the country to provide
15 opportunity for all stakeholders to give input
16 into this priority-setting process. And these
17 meetings will culminate in a NORA symposium in
18 Washington, D.C. in April -- in mid-April.

19 As I mentioned, I'm the Director of the
20 Southern California NIOSH Education and
21 Research Center or, as we call it, the ERC.
22 It's one of 16 centers of excellence supported
23 by NIOSH. These provide multi-disciplinary
24 research and education in occupational safety

1 and health. Ours is a consortium between UC
2 Irvine and UCLA. We educate professionals at
3 graduate level in occupational medicine,
4 occupational health nursing, industrial
5 hygiene, occupational safety and ergonomics,
6 and we provide continuing education to
7 professionals in these fields. And the
8 Southern California ERC is pleased to host this
9 important meeting today.

10 Southern California, as most of you know, is a
11 pretty special place. It has great strengths
12 and great challenges. The economy of southern
13 California is -- is -- increasingly involves
14 the service sector, and the service sector
15 relies heavily on special populations from our
16 communities. So it's fitting that the morning
17 session is devoted in part to special
18 populations in the workforce, and the afternoon
19 sessions are devoted to the service sector.

20 At this point I would like to introduce the
21 first speaker, Dr. Linda Rosenstock. She is
22 Dean of the UCLA School of Public Health, a
23 professor of environmental health sciences in
24 the School of Public Health, and a professor of
25 medicine in the School of Medicine at UCLA.

1 She has for many years been active, both
2 nationally and internationally, in teaching and
3 research in occupational and environmental
4 health.

5 But before coming to UCLA she was Director of
6 NIOSH. That's the National Institute of (sic)
7 Occupational Safety and Health, and that was
8 from 1994 to 2000. And I guess I should point
9 out that NIOSH is the only federal agency with
10 a mandate to conduct research and do preventive
11 activities in the occupational safety and
12 health area. So during her tenure as Director
13 of NIOSH, she was a prime mover in creating the
14 current NORA priorities. And actually in
15 recognition of her efforts, Dr. Rosenstock was
16 awarded the Presidential Distinguished
17 Executive Rank award. That's the highest award
18 for executive service in the U.S. government.
19 And so with that, I'll turn it over to our
20 award-winning Dean.

21 **DR. ROSENSTOCK:** Thank you, Bill, and I know a
22 number of you not only know NIOSH well, but
23 it's been a pleasure to be here and reacquaint
24 with so many good friends and colleagues, both
25 from within NIOSH and from outside. And for

1 those who didn't know it, I hope the
2 introduction from Bill was helpful.
3 I'm actually here playing one main role, but
4 because, as identified as having had the
5 opportunity to be Director of NIOSH when NORA
6 was created, will indulge my welcome by a few
7 extra minutes to reflect on that. I'm really
8 here to welcome you on behalf of UCLA and the
9 UCLA School of Public Health. It's a pleasure
10 to be hosting this important town meeting, and
11 it's certainly a pleasure for me personally to
12 see NORA come of age. I mean ten may not seem
13 of age to some, but I think, as we reflect on
14 things, the fact that NORA has been as
15 successful as it has been and is now looking to
16 a future is pretty exciting for any kind of
17 initiative and one in the federal government.
18 One of the things we learned early on, and I
19 want to reflect that in retrospect we looked
20 smarter than actually we were, and I mean that
21 I personally, in creating the National
22 Occupational Research Agenda. The reality was
23 that in starting there in 1994 it was a feeling
24 that this would be heady days for the agency.
25 And in fact, in 1995, with a change in

1 Congress, there were a lot of threats on the
2 horizon and in fact, as some of you remember,
3 the agency was slated for elimination. In
4 fact, the -- it was slated for slow death over
5 four years, 25 percent a year, to a final
6 demise -- unlike some other agencies slated for
7 elimination that were slated for sudden death.
8 In fact, we even had a 25 percent cut in our
9 budget in the House as part of the first
10 effort. So what we realized, as inside and
11 outside of the federal agency and those of us
12 committed to furthering occupational safety and
13 health for workers, was that we needed to do
14 something different to respond to that threat.
15 And one of the things we decided to do
16 differently was really to listen very hard to
17 our stakeholders. And when listening hard,
18 involve listening not just to our traditional
19 partners in organized labor, but others in
20 labor as well as industry, academic, other
21 governmental organizations. And in the process
22 of listening, it was actually a person we've
23 still never been able to identify -- I don't
24 know where he was sitting at a table of 25
25 people -- who said you should do something like

1 figure out what the country needs for a
2 research agenda; have some process that says
3 it's being determined not just by you, but by
4 others. And that really was the kernel that
5 began the National Occupational Research
6 Agenda.

7 We did start it by listening to stakeholders we
8 had at that time in the first wave of planning
9 the priorities, 500 individuals and
10 organizations who responded. I'm delighted
11 that, ten years later, with -- and we had three
12 town hall meetings. That seemed ambitious at
13 the time, but NIOSH has never been shy from
14 being more ambitious in looking forward, so
15 having 13 meetings and I understand what might
16 be three times -- 1,500 individuals and
17 organizations giving input, is just a
18 phenomenal testimony to the power of
19 partnership and to the power of success.

20 One of the ways that I know NORA's been
21 successful is that we now have NORA pins; we
22 didn't have those. I think, to my knowledge,
23 the one negative about NORA was we -- I know
24 NORA came out about -- a little less than a
25 year after my second son was born, and I was

1 glad he was a boy, mostly because I wouldn't
2 have to think about naming him Nora. But we
3 made a pledge among people -- NORA had taken
4 over so much that I don't think any of us ever
5 thought we'd use Nora as a name of a child
6 again. It got to take on a life of its own as
7 a very different kind of child. I won't even
8 bore you with the iterations of the names that
9 NORA went on before we finally hit on NORA. We
10 did have NRA at one point and we thought that
11 was not a good acronym. So as I said, we
12 learned by work -- it was the National Research
13 Agenda, we thought -- nah, I don't think so,
14 and so it a -- true, Max? Right.
15 So anyway, the -- I think the main success of
16 NORA is not only that it lives on, but that
17 really perhaps at the beginning it was more we
18 should listen and should appear to listen, but
19 the reality soon took over that the partnership
20 and the involvement of stakeholders was very
21 genuine. It really changed how we did business
22 in I think the most positive of ways, and I
23 think that's recognized now throughout
24 government. NORA was award-winning. It was a
25 semi-finalist in the coveted Ford

1 Foundation/Harvard/Kennedy Government Awards
2 honors. A NORA off-shoot, the Asphalt
3 Partnership, was actually a finalist, one of
4 the top 25 of thousands of applications, as
5 just some evidence of the success. I think,
6 importantly, it was successful, in addition to
7 the reality of the partnership and working
8 together differently, by leveraging resources.
9 So this -- NORA was started before the NIH
10 doubling phase, or just as it was beginning.
11 And in fact, I think we were able to take
12 advantage of that and continue to by being able
13 to get the deeper pocket of the NIH contribute
14 some of its resources to match some of NIOSH's
15 more limited resources. And that -- that
16 initiative I think is a model for others and
17 needs to be one that's exploited. And I know
18 we have all been able to watch the
19 extraordinary work of the workgroups and the
20 seminal papers and contributions that have come
21 out of it.

22 So as one of NORA's many mothers, I'm here with
23 a great deal of pride about what's been
24 accomplished, and it's a pleasure to have you
25 here to usher in a bigger, better, undoubtedly

1 different NORA in the next phase. Welcome.

2 **DR. LUM:** Thank you, Linda. I'm Max Lum. I'm
3 the communication director at NIOSH. Linda
4 coaxed me from a comfortable job in Atlanta to
5 come to NIOSH ten years ago and take on the
6 communication job, and it's a pleasure to be
7 here. It's a pleasure to also welcome you to
8 this town hall meeting.

9 But Linda's very modest about this. She was
10 the mother of NORA, and I think -- whatever
11 that means -- it was her idea. It was at a
12 meeting. It was a strategic decision I think
13 based on the need to develop a framework for
14 the Institute to set forward its research
15 agenda, and that's basically what has happened
16 in the last ten years.

17 As a part of that effort, we began a series of
18 town hall meetings. We did have three of
19 those. We're doing 13 this time around, and I
20 think this is number seven -- it feels like
21 number ten, I think, sort of at the end, but
22 this is number seven. And we're learning a lot
23 at the town hall meetings. Basically we're
24 here listening. You won't hear very much from
25 us today. You will hear from Sid Soderholm,

1 our new NORA coordinator, about the structure
2 of NORA, what the differences are, what we hope
3 to accomplish in the next ten years. But we're
4 really here to hear from you, and your
5 concerns, your issues, your problems.
6 What we hear will be put into a docket, into a
7 formal docket. It becomes a very transparent
8 document. It goes up on our web site, and it
9 will be used for planning the next ten years of
10 our research agenda.
11 We particularly want to thank the folks on the
12 ground here who have helped set up the meeting
13 -- Cass Ben-Levi, Bill Hinds, Linda Delp --
14 Linda's been absolutely great, beyond just
15 providing lists of people that we should
16 invite, real hands-on help in getting folks to
17 this meeting. And that's, I think,
18 characteristic of NIOSH's partners, really kind
19 of rolling up our sleeves and getting on with
20 the job. And I think that's the test for NORA.
21 What does it all mean and where will we be in
22 ten years. It's going to look quite different,
23 I think, the research agenda coming up for --
24 for the Institute.
25 Also, the other point I think also Linda

1 mentioned was that NORA is more than just the
2 Institute's research agenda. It's the National
3 Occupational Research Agenda. It really is the
4 agenda for the nation in terms of workplace
5 safety and health. And as that -- and in
6 following that idea, I think NORA has been
7 instrumental in leveraging resources from other
8 federal agencies and from other sources. And I
9 think that's one of the strengths.

10 You know, NIOSH is a very small organization
11 within the Center for Disease Control and
12 Prevention. It's not part of NIH. It isn't
13 what I'd -- I think is a deep-pockets research
14 agency. But we are able to, with the help of
15 our partners, with the help of you, really, is
16 to leverage what -- what we need in terms of
17 our resources, both human, political resources
18 to -- to move forward.

19 So I think, again, we're very happy to be here.
20 We are hearing a lot of interesting comments
21 from the public in these meetings. We're
22 hearing -- College Park, Maryland we heard a
23 great deal about more and easier ways to assess
24 and access information on NIOSH's web page. We
25 need more information, easier and digestible,

1 to provide to the public and to folks that are
2 working with workers and employers. We heard
3 that strong.
4 We're hearing a lot about nanotechnology, the
5 importance of workplace safety and health
6 issues and nanotechnology. We were here
7 earlier for a meeting with the laborers
8 international union. We did a focus group with
9 them downtown L.A., and they were just kind of
10 pounding on us for more information about what
11 they call demolition construction. To me, it
12 should be demolition -- you know,
13 deconstruction, but it's the -- the lack of
14 guidelines and the injuries that they're
15 sustaining. I think a lot of that has to do
16 with rehab injuries in the Katrina and these
17 emergencies that we've faced recently. But
18 again, that's a fairly new issue. We're going
19 to take that on and take a seriously -- serious
20 look about what we can do now in that area. So
21 we're hearing an awful lot of good stories from
22 folks who have obviously spent a lot of time
23 and effort in presenting their information.
24 And I think we want to get to that, and with
25 that I will introduce Sid Soderholm. Sid is

1 our NORA coordinator. He'll talk a little bit
2 more about the -- the specifics I think of --
3 of NORA and to fill you in on a little more
4 details. We'll be around today all day. There
5 are NIOSH folks in the audience. Please come
6 up to us. We'd like to chat with you. We hope
7 to see you also in the afternoon if you can
8 stay. And again, it's -- thank you again very
9 much for spending some of your day with us
10 today. Sid?

11 INTRODUCTION TO RESEARCH AGENDA PROCESS

12 **DR. SODERHOLM:** Well, thank you, Max. Let me
13 take a second and see if I can get these slides
14 up here so you can see them. And if I can't,
15 then hopefully at least I can see them so we
16 can -- evidently we didn't get that set up
17 right and so let me just continue.
18 Very pleased to be here today. My title is
19 NORA coordinator, and I have cards on the back
20 table. If you have any questions about NORA at
21 any time, if you'd like more information,
22 please give me a -- give me a call or send me
23 an e-mail. These days I'm not near my phone
24 very much, but by the end of March I'll -- I'll
25 be hanging around the office a little more than

1 I am now.

2 So there are some aspects of NORA that haven't
3 changed from the time period when Dr.
4 Rosenstock and others first set it up. It's
5 always been a national partnership effort to
6 define and conduct priority research, and that
7 hasn't changed. The -- some of the elements of
8 that is that we're -- we're seeking stakeholder
9 input. We're identifying research priorities
10 for the nation. And we're working together to
11 address those priorities and hopefully, as Dr.
12 Rosenstock mentioned, to -- to leverage funds
13 from other agencies, from other organizations,
14 for the occupational safety and health work.
15 Let me just interrupt.

16 (Pause)

17 So what are we doing different in the second
18 decade of NORA? We talked about what's the
19 same. We're focusing on moving research to
20 practice through sector-based partnerships.
21 Even during the first decade of NORA, when --
22 when NORA first came out, I first really
23 learned about the details through a green*
24 publication, and that publication talked about
25 the 21 priority areas that had been set up,

1 talked about the process, and in there was --
2 was a chart and the sectors were listed down
3 the row-- down the columns of the chart and all
4 the cross-sector issues were in the rows. So
5 that matrix is -- is still there. The workers
6 are in sectors, and during the first decade we
7 approached those issues through the rows,
8 through the -- the cross-sector issues -- the
9 noise-induced hearing loss, traumatic injury,
10 work organization issues.
11 This time we're focusing on sector-based
12 partnerships. And what is this approach?
13 We're going to address the most important
14 issues in each sector, and I'll talk a little
15 bit more later about how we might, you know,
16 think about or formulate those issues.
17 We're going to have one or more research
18 strategies in each sector. Some of -- NIOSH
19 has taken the North American Industrial
20 Classification System -- which has 20 or 21
21 sectors defined, and we've grouped some of them
22 -- so we have eight sector groupings. And
23 within these groupings there may be a need to
24 pull some things apart. There may be some
25 parts of these sector groups that are so

1 different that they need their own research
2 strategy. But one of the things that we're
3 going to do a little differently from the first
4 decade of NORA is our objective -- the research
5 agenda is going to be a set of research
6 strategies for -- one for each sector or for
7 subsectors of those sectors. These research
8 strategies will have a lot of detail in them,
9 they -- and I'll talk about that in a minute.
10 The cross-sector needs, as I said, aren't going
11 to get lost. The cross-sector needs are still
12 there. Injuries still occur in a lot of
13 sectors. MSD problems occur in a lot of
14 sectors. So it's not that we're abandoning all
15 these issues, but we're just taking the focus
16 through the sectors.
17 Why -- why do we think this is going to be
18 helpful? Well, workplaces are organized by
19 sectors. And even though many issues cross
20 sectors, there are many issues -- many sectors
21 have -- have specific issues that are their top
22 issues, so research needs do differ by sectors.
23 We think that the sector focus will really help
24 us concentrate on and focus on setting research
25 goals within a sector, having objectives,

1 services this afternoon. The service sector is
2 a very large sector and after lunch Dave
3 Utterback will tell us some about this sector
4 and some of what we already know many of the
5 issues are in that sector. But you can see the
6 -- the other sector groups that are here. Each
7 of these eight sector groups will have a
8 research council. Following the pattern of the
9 first decade of NORA, the research councils
10 will be co-led by one person inside NIOSH and
11 one stakeholder, one person outside of NIOSH,
12 because this is a research agenda for the
13 nation; it's not for NIOSH. NIOSH will use the
14 research agenda, too, but many other
15 organizations will.

16 These research councils will have maybe a third
17 of their members NIOSH people, I'm guessing,
18 and they will be quite diverse. I'll talk
19 about that a little bit in a minute. The
20 cross-sector research council is kind of the
21 executive board for the eight sector research
22 councils. The cross-sector council will
23 consist of the two leaders of each of the eight
24 research councils, so it'll be that core group
25 of 16. And the cross-sector research council

1 will really be helping to make sure that things
2 move forward, that issues that are coming up
3 across sectors are being dealt with, to the
4 extent they need to be, in a consistent way, in
5 a way that won't be confusing when people move
6 among sectors, and will make sure that the
7 infrastructure is in place to support the work
8 of the research councils.

9 The NIOSH role really is to provide the
10 stewardship and the infrastructure so the
11 cross-sector research council will be giving
12 NIOSH ideas about infrastructural needs, and
13 also other partners, things that can be done to
14 support the research councils.

15 So we think these research councils will lead
16 to very robust strategies because they're going
17 to have a broad base of participation and
18 input. The initial work of each of the
19 research councils starts with the inputs.

20 Front and center is the stakeholder input from
21 these meetings, and I'll talk a little bit more
22 about what's going to happen with the comments
23 that you put here -- that you give verbally
24 here or might enter through the web site. But
25 beyond that, of course, the members will have

1 their own expertise and so they will bring that
2 to the table, and of course we do have -- we're
3 not working in a vacuum. We have people that
4 have worked very hard to provide surveillance
5 data, to provide information about the issues
6 among American workers. So all of these will
7 be melded in a priority-setting process in the
8 research council.

9 And then the research council will come up with
10 a draft research strategy, a strategy that has
11 strategic goals for the really big problems and
12 what needs to be done. The intermediate goals
13 -- success in meeting the intermediate goals
14 will lead to success in accomplishing the
15 strategic goal, and plans for implementing this
16 -- how will the research be done, who are the
17 partners, where will the funds come from to do
18 this.

19 So -- and this draft research strategy will not
20 be set in stone at that point. It'll be a
21 dynamic document for each of these sectors or
22 subsectors, but it'll be put up on the web
23 site. It'll be very -- transparent process,
24 and we will be inviting comments on these
25 research strategies, so there may need to be

1 some refinement. So it's -- it's meant to be a
2 process that has the input from the nation and
3 the output is -- is priority-setting for the
4 nation.

5 So why are we here and how can you be involved?
6 Well, your input, whether entered through the
7 web site or through -- through the comments
8 here, will end up in the docket. Now Christy
9 Forrester here in the second row is actually
10 going to take the transcript that Ray is
11 providing and will parse that and enter it --
12 actually enter it into the web site in the same
13 way that other people can enter comments into
14 the web site. What this does is it makes an
15 initial categorization according to one of the
16 ten major categories, the eight cross-sect-- or
17 the eight sector research areas plus a cross-
18 sector area plus comments on the process.
19 These comments will then go into the docket
20 that is actually a set of files maintained in
21 Cincinnati, electronically and on paper, and
22 they're available. They can be viewed on the
23 web site. The comments that are put in through
24 the web site can be viewed on the web site. If
25 you go to the link that's listed and go to the

1 input page, you'll see to the left of each box
2 a link that says view comments by others. It's
3 a rather unassuming little link. There's ten
4 of them on that page, one for each box. But
5 there's actually a wealth of information behind
6 that link. If you look at that you'll see
7 everything that's been put in -- into the
8 docket in that area, so it's quite fascinating
9 reading.

10 The information can also be put in -- if you
11 have graphs or other information that is more
12 complex than entering text, if you go to the
13 web site there it'll tell you where to e-mail
14 that. And of course there's an address if you
15 want to mail a hard copy.

16 This information in the docket will be provided
17 to the NORA sector research councils. They'll
18 get every word. They'll get all the individual
19 comments. But clearly we need to give them a
20 road map, so we'll be doing some
21 categorization, not only by the eight sectors,
22 but -- say if the people in construction,
23 there's maybe a workgroup that feels noise-
24 induced hearing loss is an issue and that
25 workgroup wants to -- it's time for them to

1 review the stakeholder input to see what the --
2 what do they call it, the wisdom of the crowd?
3 -- has offered as opposed to what's just
4 sitting around the table, then we will have it
5 organized so they can go in and pull out those
6 comments, they can read those comments on
7 noise-induced hearing loss in construction, as
8 an example.

9 The NORA docket, the information in there, will
10 also be outlined at the NORA symposium that
11 will be held in Washington, D.C. April. It's a
12 good time to register now. Actually the early
13 registration ends March 1st so it gets a little
14 more expensive on March 2nd. The web site is
15 listed there. Part of the symposium will be a
16 celebration of the first decade of NORA, and
17 part of it will be kicking off the next decade
18 of NORA. And particularly on the last day,
19 we're going to have a set of workshops. We're
20 going to have eight workshops, one for each
21 sector. We expect to do some multi-voting and
22 actually get some of -- some initial indication
23 from those who are at the workshop what they
24 think the highest priorities are in each of
25 those eight sectors.

1 In addition, we're going to have eight cross-
2 sector workshops. It's already clear what some
3 of the most popular cross-cutting issues are,
4 and so we've listed a few of them on the web
5 site, but the rest will be chosen based on the
6 input, based on the information that is
7 received in these town hall meetings. So at
8 these workshops they'll have heard what the
9 priorities were in each sector, and in the
10 cross-sector workshops they will be able to
11 start looking at what are the research
12 opportunities, what are the research needs,
13 where are the new partners, how can we move
14 forward effectively.

15 So the symposium we're expecting to be a very
16 exciting time and I hope you can trek to D.C.
17 and participate in that.

18 So let's focus a little more about today. So
19 we're here seeking information. This is
20 information being sought for NORA. It's not
21 just for NIOSH. It's going to lead the
22 development of the research strategies.

23 We're looking for what the top problems are.
24 There are many ways of defining or formulating
25 a response to what are the top problems. We

1 might be talking about diseases. We might be
2 talking about injuries, exposures, populations
3 at risk, failures of the occupational safety
4 and health system, and there may be other ways
5 to formulate that, but certainly all those are
6 part of the mix of the kinds of things we'd
7 like to hear about -- what are the top issues.
8 What are the top problems.

9 But also key partnerships. Is your
10 organization willing to partner with
11 researchers, with other researchers, perhaps to
12 work on these high priority issues? If so,
13 we'd like to hear about that. Do you know
14 other organizations that we should be seeking
15 to work with?

16 And what is the research, what's the new
17 information that's really going to make a
18 difference? If you have ideas about that, we'd
19 love to hear about them.

20 We're talking about having very brief
21 presentations today. We have a very full
22 schedule, and we're asking people to keep their
23 oral testimony, their verbal comments very
24 brief. We realize that you can only really hit
25 the highlights. We ask that if you've written

1 out your comments and -- that you're presenting
2 today, or if you have additional information to
3 -- to give them -- if you have only one copy,
4 drop it off at the desk here over with Ray.
5 He'll use it to make sure he's got the
6 spellings and so on right in the transcript,
7 and then he'll send it over to those of us who
8 are -- who will make sure that the written copy
9 is put into the NORA docket. If it's exactly
10 the same thing you said, that's -- that's fine,
11 we'll -- we'll link those or they can be in
12 there twice, for that matter.

13 If you have additional information that you can
14 provide that isn't -- you really can't get to
15 in five minutes, then please either submit that
16 through the web site or drop that document off
17 with Ray or, if you have more copies, at the
18 front desk -- or with me -- and we'll make sure
19 that gets into the docket, too.

20 So we're asking the presentations today to be
21 brief and focused, but we know you've got a
22 wealth of information that NORA's going to need
23 in setting the priorities for the nation, and
24 we ask you to share that written information,
25 also.

1 One final point, we're here to listen. We're
2 all here to listen, and if you hear something
3 you like and there's time -- I hope we'll have
4 time to invite additional comments from the
5 audience even if people haven't signed up ahead
6 of time -- you know, stand up and support. Say
7 -- something that you liked. If you heard
8 something you don't agree with, stand up and
9 offer the -- your opinion that differs. We're
10 here to listen. We're -- there's really no
11 benefit in criticizing what others have said,
12 but let's get everyone's input.

13 So finally, thank you for coming. Thank you
14 for your -- for your comments to help guide
15 NORA. A few kind of take-home messages:
16 Register for the NIOSH e-news if you haven't.
17 This is an e-mail that comes to your in-box
18 once a month. It's the Sesame Street
19 generation, 100, 200 word summaries of what's
20 going on in NIOSH. Particularly we have a
21 summary of the most recent developments in
22 NORA, so you can follow what's happening with
23 NORA if you just have a couple of minutes a
24 month by -- by looking at the NIOSH e-news.
25 Provide your input at the NORA web site.

1 Please, as I say, you can e-mail or submit
2 things directly through the web site and we
3 encourage your continuing input.

4 If you have any questions about anything,
5 there's an e-mail address for me. I also have
6 cards on the table in front. Feel free to
7 contact me and we will try to answer your
8 questions. Sometimes it's a matter of question
9 and response, sometimes it's a question and
10 answer, so we'll do the best we can.

11 So with that, I believe we're ready to move
12 into the morning session, so I'll get out of
13 the way and turn it over to Cass.

REGIONAL AND LOCAL SESSION: STAKEHOLDER PRESENTATIONS

14 **MS. BEN-LEVI:** Good morning. Welcome, I'm Cass
15 Ben-Levi. I'm the Director of Continuing
16 Education at the Southern California Education
17 and Research Center here at UCLA. I'd like to
18 thank you all for being here, thank NIOSH for
19 coming. And in particular I'd like to thank
20 our partners at UCLA LOSH who've been a
21 tremendous help to us in this.

22 I'll tell you just a little bit about how we're
23 going to organize this. We have three panels
24 on special populations, and so the first three
25 panels that I call up are, for the most part,

1 going to have special populations as their
2 issue. You'll notice there's a lot of overlap
3 between special populations in the morning and
4 the service sector in the afternoon because
5 they -- they are so inter-related. Then we
6 will have a panel on psychosocial issues in the
7 workplace, and finally we'll have a panel in
8 the morning on the ports and goods
9 transportation.

10 What I'm going to do is call up five people and
11 ask you to come take these five seats, and then
12 as each one of you will come up to this podium,
13 make your presentation and sit back down, and
14 then the whole panel will leave at once -- with
15 one exception, the first thing on our first
16 panel.

17 When you're speaking, we know you may be
18 nervous so it's hard to keep track of your
19 time. We have a problem-solver for you right
20 down here. Laurie Caminski is going to be your
21 timekeeper. She will hold up a sign saying one
22 minute, another one saying 30 seconds, and
23 finally she'll say stop -- and hopefully you
24 will take that as a gentle suggestion to really
25 stop, because we've got a lot of people here

1 and they've taken time out of their busy
2 schedules and they need to be able to move on,
3 as well.

4 I don't want to take up any more time. Right
5 now I'll call our first panel of five, Maria
6 Elena Durazo, President of UNITE HERE Local 11;
7 Alejandra Domenzain -- I hope I pronounced that
8 right -- Sweatshop Watch; Deanna Stover,
9 Medical Services, City of Los Angeles; Diane
10 Bush, Labor Occupational Health Program; and
11 Michael Marsh, California Rural Legal
12 Assistance -- please come up. And I will leave
13 the podium and one by one you'll come up.
14 But first I'm going to have Linda Delp, who's
15 the Director of UCLA LOSH, introduce our first
16 panel.

17 **MS. DELP:** We wanted to do a very special
18 introduction this morning to Maria Elena
19 Durazo, who is one of the most important local
20 and national labor leaders in the country.
21 She's been a key advocate for workers, in
22 particular women workers, in particular
23 immigrant workers, and she has an extremely
24 busy schedule. She has to leave right after
25 this for an emergency. So I wanted to

1 introduce her because she -- as one of the
2 people who has worked tirelessly to improve
3 health and safety conditions facing hotel
4 workers, specifically housekeepers, the people
5 that clean our rooms, seemingly magically, when
6 we stay at hotels and who are often invisible
7 in society. And the union has been working
8 very hard to improve the health and safety
9 conditions of those workers and has actually
10 been involved in some unique research
11 approaches to doing that, some of which you'll
12 hear about from other speakers later in the
13 day.

14 So with that, I'd like to introduce Maria Elena
15 Durazo.

16 **MS. DURAZO:** Good morning. I just wanted to
17 share with you a quick story before I get into
18 some other points I want to make. About a year
19 and a half ago -- it's been almost a year,
20 about a year or so ago, we had city-wide hotel
21 negotiations in Los Angeles. And we put many
22 is-- several issues on the table, but we really
23 wanted to narrow down to the most important.
24 And without a doubt, the workload -- especially
25 of housekeepers -- was put on the table as an

1 issue that had to be addressed. And that is
2 because immediately after September 11th, which
3 we all understand why the hospitality industry
4 really went way down as far as business, that
5 what employers had done across the board,
6 throughout North America, was to take full
7 advantage of the fact that they had to cut
8 staff because business had dropped so
9 dramatically. But as business was picking back
10 up, they were failing to, at the same time,
11 bring the staffing levels back up to correspond
12 with the increased business. And so what was
13 happening throughout hotels, union and non-
14 union, was enormous overload of the work on the
15 housekeepers and other changes. And so we put
16 that on the table for discussion and to make
17 changes in the workload for the housekeepers.
18 And the spokesperson for the hotels made some
19 remark in front of the housekeeping and the
20 other hotel workers negotiating committee,
21 something to the effect of, you know, work
22 isn't that hard for those housekeepers because
23 we have a green program. And because of the
24 green program, you know, their -- their
25 workload is very light, so we see no problem,

1 period. We don't want to discuss it. That's
2 the end of the conversation.

3 Well, you can imagine -- if you're a
4 housekeeper -- what their reaction was. They
5 wanted to jump across the table and strangle
6 him. First, it was a "him", who had never made
7 a bed in his life, probably, and had no idea of
8 what he was talking about. So the next
9 negotiations all of the housekeepers in that
10 hotel, plus housekeepers from many other
11 hotels, filled the room because some of them
12 were going to address him. And when he started
13 walking into the room with the rest of
14 management representatives and they saw the
15 room full of housekeepers, they closed the
16 door, left, and they called us saying that they
17 were not going to start negotiations until we
18 emptied out the room of housekeepers.

19 You know, the -- their unwillingness to even
20 discuss this issue was so offensive to the
21 housekeepers that work so hard every single day
22 that they just couldn't believe that their
23 employers would not even hear them out, would
24 not even listen to them.

25 That's what's being faced, and there'll be

1 housekeepers here today who will talk to you
2 more importantly, more directly about what they
3 go through every single day. That's what has
4 moved us, in addition to all of the other
5 working and -- working conditions of
6 housekeepers and other hotel workers in the
7 hospitality industry.

8 A couple of days ago I found -- something was
9 sent to me or distributed on the internet about
10 an L.A. County Health Department report that
11 had just come out in January. It was talking
12 about how chronic diseases had increased and
13 \$48 billion in healthcare costs related to
14 chronic diseases, and one of the points that
15 they're making was that the hardship -- that
16 the greater the economic hardship in a
17 community, the greater the likelihood of the
18 chronic diseases. And it went on about, you
19 know, measured in every -- oh, that was quick -
20 - measured every community and found that, you
21 know, they really needed to make some changes.
22 But the changes that they talked about all had
23 to do with how to live a better lifestyle --
24 like stop smoking, eat nutritious foods, get
25 regular medical care -- you know, things to do

1 in the community. But there was probably just
2 one sentence that referred to the hardship. In
3 other words, we ought to do something about the
4 economic hardship of these communities.
5 Well -- so two sentences on that is not
6 sufficient to address what is going on in our
7 communities. And we have got to be more direct
8 and we invite and join the health and medical
9 professional communities to join with these
10 housekeepers as not only do we address the
11 issues of housekeepers and the workload and the
12 changes in the industry and the hospitality
13 industry with, quote/unquote, heavenly beds and
14 amenities and more mattress -- heavier
15 mattresses and sheets on the -- and the heavier
16 carts, but that we also address the economic
17 conditions of our communities and of those
18 workers.

19 It's real simple to say we recommend get
20 regular medical healthcare. It's another thing
21 when those workers, low-wage, mostly immigrant
22 workers in these industries, service sector
23 jobs don't make enough even to live outside of
24 poverty, much less buy the health insurance
25 that they need to be able to take care of

1 themselves and their families.

2 I want to end -- I've been told to stop, but I
3 want to end by saying we have materials here
4 about a national -- North America campaign
5 called Hotel Workers Rising. It'll be in the
6 back. Invite you to join us. Join those
7 housekeepers. Join those women -- join those
8 women of color 'cause that's who works in these
9 hotels as housekeepers -- as they struggle and
10 they join across North America to say to the
11 hospitality industry employers, you want us to
12 do a good job, then we have to take care of
13 ourselves. We have to be healthy as we do
14 this, not to be pushed out and -- and abandoned
15 when our back hurts, when our shoulders, when
16 our knees, when our elbows, when we can't move
17 anymore, abandon us. So we're creat-- helping
18 to build this movement across North America,
19 not only for hotel workers but all service
20 sector jobs.

21 Eighty percent of the new jobs in this country
22 are service sector jobs. And housekeepers and
23 hotel workers are going to fight like hell,
24 like manufacturing workers did earlier in the
25 century, to say we want good middle-class jobs

1 with health insurance to raise our kids, be
2 healthy and have healthy communities.

3 And I thank you very much for the work that you
4 do. Join with us as we do whatever we have to
5 do to make life and work safe for those
6 housekeepers. Thank you very much.

7 **MS. DOMENZAIN:** Hello, my name is Alejandra
8 Domenzain. I'm associate director with
9 Sweatshop Watch, which is the statewide
10 coalition of organizations focused on the
11 rights of low-wage immigrant workers, including
12 garment workers.

13 So first I think it bears reminding ourselves
14 why focus on immigrant workers. First, when we
15 talk about the future of our workforce, we are
16 talking about immigrant workers. New
17 immigrants contributed at least 60 percent of
18 the growth in the nation's labor force between
19 2000 and 2004. And in California we know that
20 Latinos alone account for about a third of our
21 workforce. Looking into the future, if we
22 assume immigration levels remain constant,
23 immigrants will account for half of the
24 working-age population growth between 2006 and
25 2015. And then looking even further into the

1 future, they'll account for all of the growth
2 between 2016 and 2035. So the health of the
3 immigrant workforce is inseparable from the
4 health of our immigrant workers.
5 Secondly, occupational safety and health is
6 particularly important for immigrant workers.
7 As Maria mentioned, they're less likely to have
8 health insurance, and less likely to earn a
9 wage that's adequate to have access to medical
10 care. On average, low-wage immigrant worker in
11 the U.S. earns \$14,000 a year, which is
12 probably a high estimate. And immigrants are
13 over-represented in industries where there are
14 predatory employers that violate the basic
15 health and safety norms with total impunity.
16 Lastly, we know immigrant workers are
17 disproportionately injured and killed. The
18 Bureau of Labor Statistics concluded that
19 Latino deaths on the job have been 20 percent
20 higher than for whites or African-Americans.
21 However, in my remarks I want to focus briefly
22 on statistics from community-based research,
23 closer to the ground, which I think really
24 shows us even more rich details about the
25 situation.

1 So for example, there was a study from the
2 Korean Immigrant Workers Advocates here in Los
3 Angeles that found 40 percent of Korean workers
4 in garment, restaurant, retail and janitorial
5 jobs had suffered workplace injuries that
6 required medical treatment or resulted in lost
7 work days. Seventy-six percent of these had no
8 health insurance, and up to 75 lacked workers
9 compensation insurance. About 90 percent never
10 received any kind of health and safety training
11 at all.

12 A UCLA study found that the injury rate among
13 L.A. day laborers involved in construction work
14 was twice the rate for construction workers as
15 a whole. And a recent national study on day
16 laborers found 44 percent were denied food,
17 water and breaks; 20 percent were injured on
18 the job; and more than half did not receive the
19 medical care they needed for an injury.

20 Lastly, to focus on the garment industry, the
21 Asian Immigrant Worker Advocates in Oakland
22 found that 94 percent of garment worker
23 patients that came to their clinic were
24 experiencing pain severe enough to interfere
25 with their daily activities. And the Garment

1 Worker Center here in Los Angeles has found 97
2 percent of garment workers were exposed to
3 concentrated dust and cloth particles, over
4 one-half had experienced needle sticks or
5 worked with pests such as rats and cockroaches,
6 and one-third worked in shops with non-
7 functioning bathrooms.

8 So in conclusion, I think we need to support
9 these kinds of field-based research projects
10 which are often the only detailed source of
11 information we have on health and safety for
12 low-wage immigrant workers. We also need to
13 evaluate and promote innovative and effective
14 intervention models for dealing with this
15 specific population.

16 To do this it is essential to involve the
17 community-based organizations that have the
18 trust of immigrant workers and the ability to
19 reach them. To this end I urge NIOSH to
20 explore research models that build on the
21 expertise of worker advocates in the field, to
22 allocate funding for pioneering community-based
23 organizations to document what they are seeing
24 and doing regarding immigrant worker health and
25 safety, and to prioritize this topic in coming

1 years. Thank you.

2 **MS. STOVER:** Good morning. Deanna Stover, and
3 I represent the City of Los Angeles. With
4 approximately 42,000 employees -- and actually
5 it's growing I think day by day, our
6 occupational health department's very busy --
7 we represent a very cross-section of employees,
8 from recs and parks to firefighters, police
9 officers, veterinary zoos and everything in
10 between. I want to commend NIOSH and NORA for
11 past practices, and I really encourage future
12 endeavors in (unintelligible) research.
13 With our occupational health division we're
14 very lucky that we have on-site psychologists,
15 physicians and nurses to carry out the duties
16 that we need to take care of our own employees.
17 A major issue of concern to us is workplace
18 violence. We have experienced workplace
19 violence incidence -- if you follow the news --
20 in the last couple of years. It very much
21 concerns us. I know research has been done
22 over the years on workplace violence, but we
23 still find that it's very critical to look at
24 prevention strategies and implementation plans,
25 specifically to get to the small and large

1 employers.

2 Very few of our employees that are actually out
3 in the field have access to computers, so on-
4 line training doesn't seem to be the way to go.
5 They really have to have a handle on the
6 warning signs and reporting mechanisms for
7 workplace violence. Our employees are our
8 number one asset, and we're very concerned
9 about this area, so I would encourage that
10 workplace violence remain at the top of the
11 list for occupational safety and health
12 initiatives and that research continues to grow
13 in this area.

14 Another area that concerns us is with our
15 commercial driver population, specifically with
16 the area of sleep apnea. We have found just a
17 paucity of research in the area of sleep apnea
18 in applying it to the occupational health or
19 employee population, what current modalities
20 are out there for testing. There's several
21 that we use, like the Inventory of
22 Visual/Auditory Test. We call it the IVA. The
23 TOVAA, which is the Test Of Visual and Auditory
24 Alertness. What is the current mechanisms out
25 there, the equipment out there to actually

1 assess sleep apnea. How do you apply sleep
2 apnea to your workforce that have commercial
3 drivers. We have firefighters that have sleep
4 apnea. They do 12-hour shifts, 24-hour shifts.
5 Sleep apnea seems to be a field that appears to
6 be, in our arena, under-researched and not
7 funded to really look at the occupational side
8 of the house, so I would like sleep apnea to be
9 considered for the list, as well.

10 The other issue that I think really, in our
11 arena, the number one of our employees, the
12 largest volume is our police force and our
13 firefighter force. Public safety initiatives
14 need to give their due and need to get
15 attention, as well. We find that medical
16 standards for police in California are very
17 good. It's the Peace Officers Standards of
18 Training, they're called P.O.S.T. We use the
19 national guidelines for National Fire
20 Protection Association, NFPA, for fire. But
21 those standards need to be researched in
22 accordance with state and federal laws, like
23 ADA and the Fair Employment in Housing Act
24 specifically in California to figure out when
25 can best evidence -- medical best evidence in

1 occupational safety and health preclude an
2 individual from going back to work that may
3 pose a risk to public safety.

4 We try to balance this every day with the City
5 of Los Angeles, and it's very difficult. We
6 have looked for research, and again there's a
7 paucity of research in the area of balancing
8 federal regulations and state regulations with
9 medical standards for police and fire,
10 specifically looking at major illnesses, major
11 disorders, MSDs, musculoskeletal disorders like
12 hip replacements, amputations and things along
13 that nature.

14 And in closing, the other area that I think
15 needs current research and continues to be in
16 the area of occupational health is what is the
17 -- what is the research in the delivery of care
18 systems using licensed vocational nurses,
19 nursing attendants, registered nurses,
20 physician assistants, nurse practitioners and
21 physicians. What is the role -- the new role
22 of a physician, given the other health care
23 providers' level of expertise, certifications
24 available, and training to enhance the field to
25 make it cost effective and provide a high

1 quality of care across the nation, specifically
2 here in California. Thank you.

3 **MS. BUSH:** Good morning. My name's Diane Bush
4 and I coordinate the young worker project at
5 the Labor Occupational Health Program at U.C.
6 Berkeley. And I'm also here on behalf of our
7 national OSHA-funded young worker safety
8 research center that brings together agency
9 partners involved in protecting and educating
10 young workers from 13 different states in the
11 country.

12 I'd like to thank NIOSH for the opportunity to
13 talk to you about the importance of maintaining
14 a focus on young workers within NIOSH's work
15 within specific relevant industry sectors, but
16 also as a critical cross-cutting issue. And I
17 want to start by acknowledging how NIOSH has
18 really played a leadership role in focusing on
19 this issue. They focused on this issue and
20 then they maintained that over the last ten or
21 more years, and have contributed in a very
22 significant way to what we know about young
23 worker health and safety, both through their
24 own primary research, but also through
25 supporting research by others.

1 We constantly cite NIOSH's emergency room data,
2 for example, because our own state injury and
3 illness data -- it really isn't sufficient to
4 describe what's happening. And I don't -- I
5 don't want NIOSH to stop playing that role.
6 It's really because we have this information
7 that we're able to convince people in our own
8 communities, both at the very local level, the
9 school level, the community level and also in
10 the state agencies that we've been working with
11 around the country, about the need to address
12 this really important and critical issue.
13 And also because of the research that NIOSH has
14 supported, we have collectively been able to
15 begin to identify patterns of injury and
16 potential intervention strategies. For
17 example, the NIOSH-funded sensor project in
18 Massachusetts has really provided a lot of rich
19 information that we've all been able to use
20 because it was well-funded and they were able
21 to really look deeply at specific injury
22 events, but also look at patterns of injury.
23 So there's -- there's been a lot of good work
24 that NIOSH has done by focusing on this as a
25 cross-cutting issue. And I want to just

1 express my concern about this sector approach
2 and encourage both that within each sector
3 people look -- look for this in -- within the
4 sectors where there's significant numbers of
5 young workers working, that they really think
6 about what the agenda should be in that sector,
7 but also that NIOSH figure out a way to
8 continue to look at this as a cross-cutting
9 issue.

10 In addition, I want to really commend the NIOSH
11 initiative now to really take research and turn
12 it into practice and advocate for strengthening
13 that practice role. There is a lot that we
14 already know would make a difference, but
15 getting it out there, getting employers to
16 actually put things in place -- there's a lot
17 more work that needs to be done there.

18 So just to name some of the cross-cutting
19 research that I think would be helpful in this
20 area, one, having better, more specific injury
21 and illness data at the state-specific level
22 would strengthen our work that most of us tend
23 to do within our states.

24 We also feel that NIOSH did a great job looking
25 at the existing work that -- that youth are

1 doing and making recommendations to update the
2 child labor laws, but they didn't -- they
3 weren't directed to look at 14 and 15-year-
4 olds, so we think we should -- they should
5 extend that work and review the hazards and
6 exposure for those under the age of 16 and
7 develop a new set of recommendations to bring
8 those laws up to date.

9 I also think it's important for them to look at
10 -- or to encourage research on the consequences
11 of early work experience injuries. There's
12 really very little information or data on this,
13 on the psychological impact on the young people
14 as well as the long-term effect on their --
15 either their own disability or the associated
16 costs, their loss of earning power, et cetera.
17 I also think it's critical to have innovative
18 intervention research. How do we actually get
19 employers to provide safer workplaces,
20 including better supervision and training if --
21 if -- is there a way to make sure that young
22 people are prepared at -- to go into their jobs
23 ahead -- that they're prepared ahead of time
24 because they work in such high-turnover, low-
25 pay jobs, it's hard to get the employer to do

1 what they need to do. What can we do in
2 advance -- so I'm getting my 30-second warning
3 here.

4 Also I do think within specific sectors there
5 are critical issues. Agriculture, again, NIOSH
6 needs to look at what 16 and 17-year-olds are
7 allowed to do and make recommendations to
8 improve those child labor laws. Within
9 construction NIOSH's current recommendations
10 actually say that young people shouldn't be
11 working in construction before the age of 18,
12 but what is the role of quality voc. ed. or
13 apprenticeship programs in reducing injury.
14 So there are a lot of things to look at. I
15 wanted to echo Deanna's concerns about violence
16 in retail and the service settings where a lot
17 of young people work. And I've got to stop
18 'cause Laurie's telling me to. Thank you.

19 **MR. MARSH:** Good morning. My name is Michael
20 Marsh. I'm a staff attorney with California
21 Rural Legal Assistance, Incorporated, and I'm
22 also representing California Rural Legal
23 Assistance Foundation in Sacramento. CRLA has
24 22 field offices throughout the state, and we
25 provide -- we provide no-cost legal services to

1 low income persons in 25 counties. We
2 represent -- or provide services to
3 approximately 40,000 Californians each year.
4 Obviously the majority of our clients are farm
5 workers and their families, and we conduct a
6 wide range of occupational safety and health
7 activities to help those clients. We have --
8 we conduct impact litigation to correct
9 workforce-wide problems. We provide legal
10 services on a one-to-one basis for clients. We
11 do a lot of work in the area of community
12 education, trying to act proactively to make
13 sure that accidents don't happen. And we work
14 at times very closely with Cal-OSHA or with the
15 California Department of Pesticide Regulation.
16 Before I make a couple of specific comments,
17 I'd like to make one general comment which I
18 think echoes one of the comments that were made
19 -- that was made earlier, and that is the
20 importance of involving farm workers in the
21 planning of these studies, of whatever studies
22 are done. Farm workers, as we know -- I'm just
23 stating the obvious -- are largely immigrants.
24 The farm workers are largely from Mexico.
25 Others are from Central America. The primary

1 and native language of almost all farm workers
2 in the state of California is Spanish.
3 Increasingly farm workers are coming from
4 southern Mexico, from the state of Oaxaca, and
5 some of those workers do not speak even Spanish
6 comfortably. And we find that many of our
7 clients have very limited education, in some
8 cases in the fourth to sixth grade level.
9 Additionally, obviously, these individuals are
10 culturally distinct from the majority culture
11 of the United States, so you really have to --
12 or NORA really has to take into consideration
13 these factors when it plans studies. A study
14 that was developed for farmers is not going to
15 be effective for farm workers. NORA really has
16 to work with study programmers to plan
17 approaches and questions that are culturally
18 relevant, that the questions are
19 understandable, and they're really culturally
20 appropriate for -- for farm workers.
21 We have written comments that outline about 12
22 specific areas that we believe need to be
23 studied. I just want to quickly mention three
24 of them. And again, I don't think any of this
25 is a big surprise. I mean we all know how hard

1 farm workers are, we -- how hard farm workers
2 work for us and how hard it is to work in the
3 field. We see people out there day and night,
4 in the sun or under the moon, planting crops
5 and harvesting crops, working around
6 pesticides. We all know it's dangerous
7 activity. We all know it's back-breaking work.
8 But I do want to focus on three things.
9 One -- one area is there's a great need for
10 additional study of the long-term impacts of
11 MSDs. I think that there have been some
12 studies, especially recently -- last few years
13 -- that have shown farm workers suffer MSDs at
14 very high levels. But there hasn't really
15 been adequate research into the long-term
16 impacts of those MSDs. Farm workers of course
17 engage in a number of high-risk activities,
18 from lifting and carrying heavy -- heavy loads
19 to stoop labor, repeated bending, or to
20 repetitive use of the hands such as pruning or
21 picking or weeding. So we know that the
22 problems are -- we know that the problems are
23 there, but we need to look at the long-term
24 impacts of that.
25 Let me move on to the next one, heat stress.

1 Last year there were five verified heat stress-
2 related fatalities here in California, four in
3 agriculture and one in construction. The
4 numbers were probably higher. Reporting's
5 always an issue. But we need to look at the
6 issues such as the effect of piece rate or
7 incentive pay work on heat stress. We need to
8 look at frequency and the duration of rest
9 periods and how that might help -- how that
10 might help alleviate heat-related illness. We
11 need to look at the use of portable shade
12 structures during rest periods and meal
13 periods.

14 And finally, injury reporting. I think it's no
15 surprise that there's a lot of injuries out
16 there that occur in a lot of the different
17 sectors that aren't reported. In farm work
18 there's a lot of barriers to reporting, and a
19 lot of the injuries that occur don't get
20 reported either to employers or to worker comp
21 carriers. And so we need to do more to look at
22 what are the barriers to reporting, and how can
23 we alleviate and eliminate those barriers.

24 Thank you very much.

25 **MS. BEN-LEVI:** Thank you, panel one. I have a

1 little announcement -- someone left their
2 glasses at the registration table. So if you
3 find you can't see me very well, you might want
4 to go back and pick up your glasses.
5 The second panel will be -- and let me remind
6 you 'cause some of you came in later. I'm
7 calling five people at a time. You'll come and
8 take your chairs here and then one at a time
9 you will come up, speak here at the podium then
10 take your seat back, and you'll all leave again
11 as a group. We have Vicki Beck, Health
12 Hollywood and Society; Aleyda Moran, UCLA LOSH;
13 Jacinto Lopez, Koreatown Immigrant Workers
14 Alliance; Barbara Kanegsberg, BFK Solutions;
15 and Laura Podolsky from UCLA LOSH.
16 **MS. BECK:** Good morning. My name is Vicki
17 Beck, and I'm director of Hollywood Health and
18 Society, a project at the USC Anenberg's Norman
19 Lear Center. And I'm delighted to cross town
20 today and come back to the campus where I spent
21 six years in health sciences communications
22 working with people like Linda Delp and others
23 at the School of Public Health, and to see my
24 colleague, Max Lum, at CDC where I spent five
25 years working in Atlanta and knew Max well.

1 The question I want to pose to NIOSH is how do
2 we reach special audiences of workers and find
3 new ways to reach them more effectively. And
4 we know how to use news media. We know how to
5 use brochures. We know how to use pamphlets.
6 Workplace information, even clinical places
7 have information that could be helpful to
8 workers. But I would like to challenge us to
9 look beyond that and look into entertainment
10 media that is so popular among special
11 audiences and among all mass audiences.
12 What we have done at Hollywood Health and
13 Society is conduct outreach to entertainment
14 media, specifically TV shows, to inform them
15 about the public health issues that are really
16 big problems in our society; to educate writers
17 about topics like HIV/AIDS, diabetes, heart
18 disease, much, much more.
19 And I think what we have right now is a
20 situation where worker safety and injury issues
21 are a little bit invisible in television. You
22 may see a storyline from time to time, but
23 there's so much more that we can do to promote
24 health and safety and to prevent -- and to
25 offer messages about disease and injury

1 prevention.

2 Some of the storylines that we have worked on
3 in the past deal with topics like cancer,
4 sexual health aids, violence. And what we
5 would like to encourage are more storylines and
6 working more closely on topics like
7 construction, demolition, HazMat,
8 manufacturing, agricultural issues. We just
9 heard about farm workers.

10 We heard this morning about hotel workers.
11 Well, I think if you saw the Jennifer Lopez
12 movie you would think hotel workers lead a very
13 glamorous life. They party a lot and they meet
14 wealthy politicians. There's another side to
15 that story that hasn't been told.

16 But we need to understand also what the
17 audience takes with them from the storyline.
18 And we have started to look at knowledge,
19 attitudes and practices along some of these
20 storylines on the HIV/AIDS topics, syphilis,
21 diabetes. And what we know from our research
22 is that people do learn about the health issue.
23 They do learn and they do discuss, and we have
24 the data to show that.

25 We know that sometimes people have higher

1 intentions of a prevention activity or a
2 screening activity after they have seen this in
3 a health storyline. One example I can give you
4 is a syphilis storyline that was on ER, and it
5 was a storyline about an alderman in Chicago
6 who came in to be treated for syphilis. As a
7 matter of fact, he was treated secretly because
8 he didn't want anyone to know that he had
9 syphilis, and in the following episodes his
10 partner came in to be treated for syphilis.
11 And we did a study -- we worked with CDC, we
12 worked with partners on this study, and we
13 found that among men having sex with men who
14 had seen this storyline, 64 percent were likely
15 to be tested for syphilis in the next six
16 months, compared to 34 percent who did not see
17 the storyline. So we had a doubling of effect
18 on intention to be screened.

19 We're starting to work -- we're just starting
20 to work and we're delighted about that -- on a
21 tele-novella project that will address a
22 construction worker topic, and we will be doing
23 some evaluation on that. We just hope that we
24 can gain more understanding and that we can
25 start to utilize this extremely powerful form

1 of media to reach workers and their families
2 with more health promotion, safety promotion
3 messages. Thank you.

4 **MR. LOPEZ:** Good morning. My name is Jacinto
5 Lopez. I'm an organizer with KIWA, Koreatown
6 Immigrant Workers Alliance, and we're a non-
7 profit -- and we organize workers in Koreatown,
8 the local workers, and I think it's important
9 to talk about health and safety conditions in
10 Koreatown in restaurants and supermarkets. And
11 -- well, the common injuries in these places
12 are from cuts, burns, back problems and working
13 -- working with chemicals that make you feel
14 sick and hurt your hands and eyes. But many of
15 the injuries and accidents happen because
16 people don't get any training, and also there
17 is no equipment. What happen is that when
18 workers get hurt, they don't get the right
19 medical treatment. They just get fired. Or
20 many times these -- they just don't know what
21 to do or where to go, and many times the owners
22 send the workers to their doctors, but they --
23 they just -- sorry, but they just get Tylenol
24 and then sent back to work, so they have to
25 work again even with -- if they're hurt.

1 And I want to talk about how probably health
2 and safety laws -- and unfortunately, in places
3 like Koreatown, I feel like there's inspectors,
4 but they don't really talk to the workers and
5 they don't really help the workers. And I
6 think the system is not working because no one
7 knows about Cal-OSHA and no one knows what
8 phone number they can call when there's a
9 problem -- and I'm talking about the workers in
10 Koreatown.

11 And with this, I just want to present my
12 concerns about our systems of workplace health
13 and safety enforcement, and I think the
14 researchers really need to think about how to
15 address these problems. Thank you.

16 **MS. MORAN:** Good morning. My name's Aleyda
17 Moran. I work with the UCLA Labor Occupational
18 Safety and Health program, also known as UCLA
19 LOSH. The issue that I will be talking to you
20 about today is young worker health and safety.
21 Youth face hazards at their jobs, and are at a
22 higher disadvantage to protect themselves
23 compared to adults. Teens under the age of 18
24 have been found to -- being injured two times
25 that of adults. From national studies, youth

1 have been found to report higher injuries
2 during the first six months of their workplace,
3 and the majority of these injuries are minor,
4 such as burns and cuts. But there are also
5 other incidents that negatively impact the
6 youth, such as bigger injuries like concussions
7 and other fractures which could have long --
8 severe long-term consequences since they are
9 very young, and that could impact them from the
10 long time -- for a long time.

11 We know that youth are working. Eighty percent
12 of young people will have worked by the time
13 they graduate from high school. Children from
14 low income families are working more hours and
15 on the average -- than the average child, and
16 are more likely to be legally employed. It is
17 estimated that 231,000 teens under 18 will be
18 injured on the job each year, and 70 teens will
19 die from a workplace health and safety injury.

20 The sad thing is that these injuries are
21 happening and most of these injuries are
22 preventable. But there's a lack of awareness,
23 education and training on workplace health and
24 safety for youth.

25 As UCLA LOSH one of our missions is to bec-- is

1 the development of youth leaders who learn
2 about workplace health and safety becoming peer
3 educators, then going on and spreading their
4 knowledge to other youth in their wider
5 community. The peer education model became
6 established after a 3-year intervention program
7 at Manual Arts High School. One of our most
8 recent projects is the young worker leadership
9 academy, which was -- which is coordinated and
10 developed and implemented with LOSH and our
11 sister program at UC Berkeley, LOHP. This
12 model brings youth together from various areas
13 of California, and they are there for three --
14 a 3-day intensive training on workplace health
15 and safety and project management. The youth
16 then go back to their communities and carry out
17 educational campaigns and projects with their
18 input and their ideas of how to reach other
19 youth, which is the most important thing and
20 vital thing with this project.

21 This is an outstanding model which is aimed to
22 benefit the youth and their community.

23 However, we will love to have former
24 participants come back and actually be involved
25 in a participatory research project on the

1 issues that impact the -- on the issues and
2 what the academy impact was on their
3 involvement.

4 The statistics that I provided to you earlier
5 are national statistics on young worker health
6 and safety injuries. But California and local
7 statistics are missing, and that's where the
8 problem can be seen. Why is California's
9 workforce important? Well, it's one of the
10 largest states with the largest number of
11 workers. One of the largest populations of
12 immigrant and undocumented workers is here, and
13 California has often been the model for strong
14 and progressive support for workers in health
15 and safety.

16 Why is research on young worker health and
17 safety important? It is crucial to have
18 markers to define the current state on how this
19 -- on how programs like ours impact, to know
20 the current state and measure this impact.
21 Research is a valuable tool for workers on
22 health and safety committees, organization
23 programs, the workplaces. It is important to
24 have that research to present to these places
25 to identify what is the need, where is the

1 need, and what is the proper way to address
2 this need.

3 To conclude, I want to reiterate again the need
4 for local statistics. We need to implement
5 effective education programs. And I also want
6 to highlight the commendations (sic) presented
7 by the UCLA -- by UCLA LOSH to NIOSH in their
8 report "A School-based Intervention for
9 Teaching Workplace Health and Safety". These
10 are the following:

11 Demonstration projects in several school
12 districts in distinct areas within the U.S.;
13 demonstration projects to get young worker
14 health and safety as a component in the
15 curriculum for youth; create collaborations and
16 partnerships between the NI-- Department of
17 NIOSH, Department of Labor, Department of
18 Education and other relevant entities; and
19 develop a national workplace health and safety
20 campaign. And I feel the most important thing
21 is that whatever research we do, whatever
22 evaluation we're doing about different
23 educational programs, bring the youth voice
24 into it because, again, who else knows about
25 how are youth going to learn more if we don't

1 bring youth in it, as well. They have many
2 invaluable things to share and we should take
3 in consideration what their strategies are,
4 also -- the strategies they're also presenting.
5 Thank you so much, and I hope you take into
6 consideration all these things.

7 **MS. PODOLSKY:** Good morning. My name is Laura
8 Podolsky and I'm a second-year student at the
9 UCLA School of Public Health. I will be
10 completing a master's degree this June. Also I
11 have been working as a graduate student
12 researcher at the UCLA Labor Occupational
13 Safety and Health program since beginning my
14 studies.

15 I am here today to speak about my experience
16 last summer as a participant in the
17 Occupational Health Internship Program, or
18 OHIP. OHIP provides students across the county
19 with hands-on opportunities to carry out
20 occupational health and safety research. The
21 program emphasizes direct collaboration with
22 workers and worker organizations, focusing
23 especially on low-wage immigrant workers.
24 Interns are encouraged to use community-based
25 participatory research approaches. In addition

1 to providing initial training in participatory
2 research, OHIP supervisors and coordinators
3 offer guidance and support to interns
4 throughout the summer.

5 Of the four interns working in Los Angeles in
6 the summer of 2005, three were from immigrant
7 backgrounds, and three of us spoke fluent
8 Spanish. All of us had prior experience
9 working in immigrant rights, labor or health.
10 And at the end of the summer all of us agreed
11 that we had deepened our understanding of these
12 issues, gained new skills, and strengthened our
13 motivation to stay involved in worker health
14 and safety.

15 Prior to beginning my OPIN internship I had
16 learned about community-based participatory
17 research in several public health courses. It
18 seemed very much in vogue, something of a
19 synonym for righteous research. The concept
20 was frequently linked to other buzzwords --
21 empowerment, coalition building, collaboration,
22 grassroots leadership. I was simultaneously
23 inspired and wary.

24 Indeed, I had chosen to study public health
25 because I believed in the potential for

1 communities armed with solid information and
2 skills to create positive social change. But I
3 was also aware that facile slogans and jargon-
4 laden idealism wouldn't get anyone anywhere. I
5 wanted to know what did this community-based
6 participatory research really look like. What
7 could it actually accomplish. I was interested
8 particularly in the role of such research in
9 occupational health and safety. How, I
10 wondered, might community-based participatory
11 research contribute to efforts to improve
12 worker health and safety.

13 OHIP gave me a chance to explore these
14 questions. Along with my partner, Daniella
15 Conde*, I spent ten weeks working with the
16 labor union UNITE HERE Local 11 researching the
17 occupational health and safety issues of hotel
18 housekeepers. The housekeepers themselves were
19 carrying out a survey on work-related pain and
20 injuries among their coworkers, and
21 participating in workshops to discuss the
22 results. Daniella and I aimed to supplement
23 this information through interviews and focus
24 groups. Alongside the housekeepers, we wanted
25 to identify the main types of injuries

1 experienced, their possible causes and their
2 consequences for workers. The union could then
3 use this information to reduce hazards and
4 improve conditions.

5 Over the course of the summer we faced both
6 logistical and methodological challenges. We
7 also enjoyed moments of real connection with
8 workers. By the end of the internship we had
9 carried out 19 interviews, attended five
10 workshops and conducted several work site
11 visits. We honed our interviewing and
12 observation skills and discovered some of the
13 challenges of survey research. Speaking with
14 housekeepers in employee cafeterias and their
15 homes, we learned about the benefits and
16 difficulties of their work, and their ideas for
17 making it safer. We explored different ways of
18 returning this information to the workers,
19 deciding in the end to create brochures to be
20 used in union workshops.

21 Throughout we benefited from the support of our
22 supervisor, Linda Delp, and OHIP coordinator
23 Gail Bateson*. We also had the chance to
24 collaborate with the other OHIP intern team in
25 Los Angeles which was working with immigrant

1 day laborers. Through discussions with them we
2 gained a broader understanding of the range of
3 health and safety issues facing low income
4 immigrant workers in Los Angeles.

5 I still have questions about the connections
6 between community-based participatory research
7 and occupational health and safety. These are
8 big topics, and an internship can serve only as
9 an introduction.

10 That said, my experience with OHIP was an eye-
11 opening, inspiring introduction. It has
12 strengthened both my skills and my motivation
13 to continue in the field of occupational health
14 and safety. I know many students, both
15 graduates and undergraduates, who are
16 passionate about immigrant rights, labor
17 issues, and reducing health disparities. But
18 few of them even know what occupational health
19 and safety is. I promise you, I'm the only
20 student in the UCLA School of Public Health who
21 focuses on occupational health and safety, and
22 there's over 200 of us.

23 OHIP represents an opportunity -- an important
24 opportunity -- to reach out to these students
25 and train them to do good work. And as we all

1 know, there's certainly plenty of good work to
2 be done. Thank you.

3 **MS. KANEGSBURG:** Good morning. I'm Barbara
4 Kanegsburg, President of BFK Solutions, and I
5 also represent our non-profit Surface Quality
6 Resource Center.

7 Well, I'm exclusive. I'm unlisted in the
8 program. So if any of you would like copies of
9 what I presented, please come see me, or would
10 like information, we can exchange cards. This
11 -- my -- my comments primarily impact the
12 manufacturing sector, but I would say there's
13 implications for all sectors. I have formal,
14 written comments to present, as well, so I will
15 summarize them here.

16 There is a regulatory witch hunt that occurs
17 regularly in this country -- and throughout the
18 world, I might add. I would like to propose
19 some alternatives.

20 In my consultancy I help people who manufacture
21 objects. I'm called the cleaning lady, and I
22 help them with basically processes for
23 everything from movie film to artificial hip
24 implants to -- oh, I don't know, chunks of
25 helicopters, the guts of this microphone, your

1 camera, whatever. Everything that's
2 manufactured requires chemicals, lots of them.
3 And as we get into micro and nano, we're going
4 to need even more chemicals.
5 Right now we regulate chemicals based on what I
6 called the regulatory witch hunts. We manage
7 individual chemicals or classes of chemicals.
8 Let's suppose a chemical comes into widespread
9 use, like for example the old freons, the
10 ozone-depleting chemicals. Based on the use of
11 freon trichloroethane, which is a chlorinated
12 solvent, regulatory agencies got to know more
13 about the safety and environmental impacts.
14 They said bad, you can't use it anymore. Or
15 sometimes they just put it on restricted lists,
16 and it becomes more and more and more
17 regulatory scrutiny.
18 So what does industry do in response? They say
19 oh, we can't use hexamethyl death*; what should
20 I do? Gee, there's tri-iotacatastrophe* over
21 here, think I'll use that instead. Or hmm, let
22 me look at this MSDS*, it says no hazardous
23 ingredients. Hmm, must be chicken soup. The
24 open the lid and -- pretty awful, but it says
25 no hazardous ingredients; they use it. They

1 also get very confused because they go through
2 the lists and lists of lists, and I've got to
3 tell you that private communities are confused,
4 everyone is confused. Even the military, and
5 the military are trying to talk with each other
6 and actually systematize and good -- do good
7 solvent substitution. They are very confused
8 by all of the regulatory restrictions.
9 This approach is damaging to industry, to
10 workers, to communities impacted by industry,
11 and to the overall -- and it's also damaging to
12 the overall environment. We need a paradigm
13 shift. We need better approaches to managing
14 the substances that we all work with. One
15 thing would be process management, not more
16 lists of chemicals that are politically
17 incorrect, not more product bans.
18 We need simplification, nationalization, and
19 globalization of standards and regulations.
20 People in regulatory agencies down the hall
21 from each other don't know what's going on.
22 I recently spoke -- was asked to address a
23 group of inspectors for a local agency, and
24 they were asking me to explain what was going
25 on in regulations and restrictions at a nearby

1 agency. I should know. They don't know
2 themselves. If they don't understand it, how's
3 industry supposed to get it? I did know a
4 little about it, but we also need a holistic
5 regulatory approach. And this is real
6 revolutionary. I really think we need to
7 consider both safety and environmental. Yes,
8 they're separate -- they're separate issues,
9 but they're related.

10 We also ask that industry have sustainable
11 processes and sustainable products. I am here
12 to ask for sustainable safety and environmental
13 regulations, ones that we can all use, ones
14 that we can all follow.

15 I have plenty of comments here designed to
16 induce restful sleep if you read them in their
17 entirety. I have more technical information
18 for you. Please see me. Thank you.

19 **MS. BEN-LEVI:** Thank you, panel. Again, I'm
20 going to call five people. You'll all please
21 come up, you'll sit here and then one at a time
22 you'll come to the podium and then return to
23 your seat so that the panel will leave as a
24 whole. We have Laurie Caminski here to help
25 you keep time. She'll let you know when you

1 have one minute left, when you have 30 seconds
 2 left, and when it's time to stop. So I would
 3 like to now call -- nope, not you guys.

4 **UNIDENTIFIED:** No?

5 **MS. BEN-LEVI:** No, not yet, sorry. Jumping the
 6 gun. Sorry, we have one more panel here first.
 7 Victor Esparza*, IUE Local 12; David Simmons,
 8 USW Local 8675; Ignacio Garcia, IDEPSCA;
 9 Porfiria Agaona, also IDEPSCA; and Margarita
 10 Ramos, Century Plaza Hotel -- no?

11 **UNIDENTIFIED:** They're prepared for later.

12 **MS. BEN-LEVI:** For later? Okay, I have other
 13 people. I have a whole lot of people.
 14 Catherine Porter, Cal-COSH Legal Services?

15 (Pause)

16 Or let's see, one more -- are you coming?
 17 Okay.

18 **MR. ESPARZA:** Hi, my name is Victor Esparza.
 19 I'm from International Union of
 20 (unintelligible) Engineers and I'm from Local
 21 12, their safety rep. What I want -- would
 22 like to ask of NIO-- or of this NORA group is -
 23 - and I know our international has worked with
 24 NIOSH on -- just not -- on asphalt testing for
 25 air sampling, but I would like to see it on

1 rubberized asphalt.

2 I also would like equipment for testing -- we

3 crush and recycle old concrete. And pre-1980

4 concrete has asbestos in it. I'm not sure if

5 all of it has, but a lot of it have it. And

6 also when they crush and recycle material which

7 -- if you guys know what the laborers -- a week

8 ago or whenever, I think a lot of times in our

9 industry we don't know that they're being re-

10 exposed to, you know, airborne silica if

11 they're around crushing operations or the

12 construction part of it. I -- the reason I

13 know is 'cause I have it in both my lungs and,

14 you know, how short my life will be from it, I

15 don't know. But these exposures are being set

16 every day and -- you know, and I listen to and

17 I can see where immigrants that -- on the low-

18 wage scale are afraid to say anything, but also

19 in the construction field that I work and the

20 guys make great money are as scared of their

21 jobs as the guy at the other end of it, and

22 would kill himself instead of saying or doing

23 anything about it. But I believe that if you

24 guys could test it and make equipment that --

25 monitors that we could put on this equipment

1 where they can come and face it and know that
2 you are in -- exposed to either silica or
3 asbestos at levels higher than what should be
4 exposed to, then the guys could then change it
5 by either adding more water spray or whatever.
6 But they could see that they needed to change
7 from either -- you know, even putting suits on
8 or whatever. But without them knowing that
9 it's out there, the guys are just going to keep
10 on till they all die.

11 I know that I hit the perfect number about 25
12 years into the field. I got sick. I've just
13 met two more men in the last two months that
14 have now been diagnosed with a cancer of
15 asbestos, and then other gentlemen with the
16 silica out of the Riverside San Bernardino
17 area, and I came out of that San Diego, and
18 only in two plants or two operations for 26
19 years.

20 So that's something that I would like to be
21 able to be -- see 'cause like I said, the --
22 it's not only the risk to the guys running the
23 equipment, but also the guys on the ground,
24 which would be the laborers, and that could go
25 all the way down to the low end of construction

1 work.

2 I also know, or knew -- when I was first sick
3 at home, I sent information to NIOSH. They did
4 a study out of the Oakland area. It got big
5 enough where they asked for more money. It got
6 bigger, and then -- but I mean I was never --
7 and I tried to contact -- to the information
8 that came out of there. I mean they gave me a
9 little poster, but you know, there's got to be
10 a way to relay to your doctors that hey, we're
11 having exposures again to asbestos in
12 California and silica because when I first came
13 to this light about what I was sick, they were
14 saying -- nobody knew. But I think it's my
15 doctors misdiagnosing both from UCSD and Kaiser
16 -- Kaiser, my primary people, and then when I
17 was operated from UCSD. So you know, maybe
18 NIOSH or NORA can relate hey, maybe we ought to
19 start looking for these health problems out
20 there 'cause to me it's an industry that we are
21 at risk and will continue. Like I said, our
22 international works with you guys all the time
23 on -- you know, and maybe you guys can add to
24 them and ask -- say hey, let's work with the
25 rubberized asphalt and back at asbestos and

1 silica because I know they'd spend the money to
2 do it with you guys, so if you can address that
3 with them. Thank you.

4 **MR. SIMMONS:** Good morning. My name is David
5 Simmons. I'm on USW Local executive board.

6 I'm a union health and safety rep for
7 ConocoPhillips and I'm on the board of Kaiser,
8 at-large member.

9 I'm here today to talk to you -- to explain to
10 you how safety committees that I'm associated
11 with helped to establish a climate of safety at
12 ConocoPhillips' Los Angeles refinery.

13 At the best of times union and management had a
14 -- have an adversarial relationship. But
15 through negotiations we have agreed to remove
16 one subject from the political arena, and that
17 is safety. We have agreed to make this a
18 common ground of understanding between the two
19 factions. If we can't agree on safety, what
20 can we agree on?

21 This caused a shift in attitudes in upper
22 management, and pressure on middle-line
23 supervisors to change their way of
24 communicating with employees. When the old
25 line of blaming workers first behavior model

1 went away, root cause analysis took its place.
2 Changes had to be made in order to stop
3 repeating some incidents that was caused by
4 equipment ergonomics, improper operating
5 procedures and institutional shortcuts.
6 Labor and management both had to take a hard
7 line to impose the new climate of safety in the
8 workplace based on joint safety committee
9 participating and having full-time union health
10 and safety reps who work under the guidance of
11 the committee -- joint committee to help
12 promote safety and be a focal point for workers
13 to get information and voice their concerns on
14 issues of safety in the workplace. We have
15 changed the old trinket-ology (sic) models that
16 are prevalent in other industries to a more
17 open strategy of full disclosure of every
18 incident, with weekly audits, near-miss
19 reports, management reviews for all incidents,
20 and labor participation in all investigations
21 so all can benefit from lessons learned from
22 every misstep.
23 Now safety is becoming a focus in all work
24 order management by everyone because they're
25 being held accountable for their part in the

1 work. We have a distance to go to reach
2 perfection. Old habits die hard. There is
3 still pitfalls we have to clear to get there,
4 but we have mechanisms to reach their goals.
5 I'd like to talk about minimum staffing in
6 refineries. Minimum staffing requirements
7 should be set to ensure that worker safety is
8 not compromised. Many refineries are so
9 understaffed that during maintenance shutdowns
10 workers are forced to work mandatory overtime
11 until the unit is restarted. Some work as long
12 as 20 days without a day off. This is one of
13 the contributing factors in the Texas City
14 incident. Worker fatigue keeps operators from
15 being as sharp as they need to be. Computer
16 controls has enabled companies to minimize
17 staffing and require operations employees to
18 have responsibilities to know more than one
19 process area. As a result we have fewer
20 experts and more operators that are only
21 proficient. The workforce of our industry is
22 aging and shrinking. Without minimum staffing
23 I fear that there will be an increase in tragic
24 incidents in refineries.
25 We're working hard to change this. At my plant

1 we just, in the last year, hired 44 people --
2 operations and management. I'd like you all to
3 research the effects of working continuous
4 hours on -- on the operations people and how it
5 affects their mental well-being to do their
6 jobs.

7 Thank you very much.

8 **MR. GARCIA:** Good morning. My name is Ignacio
9 Garcia. I'm a leader organizer with an
10 organization called IDEPSCA, which is -- stands
11 for Institute of Popular Education. Our
12 organization has a program that concentrates
13 with the day laborers. A little history of day
14 laborers is it's people that are looking for
15 daily work, and we have different sites
16 throughout the L.A. County. (Unintelligible)
17 concentrate to organize workers so they can
18 work -- wait for people that are looking for
19 day -- one-day person work. Okay? So these
20 people -- myself, originally I've been in a
21 union shop, but since I started working with
22 this organization I came aboard and that is
23 that the lack of safety is very much. Safety -
24 - it covers a lot of grounds, but based on a
25 study by our -- with LOSH, there was an

1 occupational health internship program that we
2 had with UCLA LOSH. They found out that out of
3 117,000 day laborers nationally -- they found
4 out different problems with this. Okay? We
5 have what we call is blunt trauma, lower back
6 pain, general (unintelligible) pain, eye and
7 respiratory irritation and body lacerations.
8 All of this things are -- may sound very fancy,
9 but is based on what a lot of people don't get
10 on this day laborers on a daily basis. They
11 don't get trained. They're -- they're
12 confronting every aspect of safety issues out
13 there on the -- on the workplace. When I say
14 workplace, it can be a homeowner's place.
15 Sometimes the contractors will come and take
16 them to their job sites. And most of these
17 times they don't even let them know the basic
18 procedures on safety, as if you want to lower -
19 - bend your knees or use your legs instead of
20 using your back. So we need to find out -- or
21 do some kind of research so we can protect all
22 these 117,000 workers out there. They're doing
23 -- most of the times works without PPE. Most
24 of you don't know what PPE is, personal
25 protection equipment. They just go out there

1 and use their hands, their bodies, without any
2 kind of protection.

3 I can go on with a lot of scenarios where
4 people can get hurt here, but we're trying to
5 ask you guys to do some kind of research and
6 find out how can we train these people better
7 or -- so they can protect themselves 'cause in
8 many cases these homeowners don't have the --
9 the capabilities or equipment for them to
10 protect the workers. So very basic -- we need
11 to protect these workers. There's a lot of
12 people out there that are not being trained
13 properly in all aspects of safety. Thank you
14 very much.

15 (Whereupon, the following presentation was made
16 through the use of an interpreter. Where
17 presenter and interpreter were speaking
18 simultaneously, separation of the two was
19 difficult. This transcription represents the
20 best effort of the reporter.)

21 **MS. AGAONA:*** Good morning, everybody.
22 Porfiria, I am Mexican. I work with IDEPSCA.
23 I help housekeepers, baby sitters, and in
24 addition to that make sure that they are
25 protected and well-paid. I'm spokesperson for

1 many of these women who come to this country.
2 We are not conscious of our rights
3 (unintelligible) of our (unintelligible). We
4 work without fair pay. We go to work not
5 knowing that we are not safe. We do not wear
6 EPP (sic) because we are not provided with it.
7 We are not provided with healthcare. We
8 recognize many of our health problems, but we
9 do not protect ourselves properly. Main
10 accidents and diseases, product of our work,
11 are burns, falls, back pain, arms, hips, eye
12 irritation, respiratory problems, bone and
13 muscle deformation, tendons and nerves,
14 chemical exposure, asbestos and lead when we
15 clean. We are not provided with proper
16 training in health and safety in the workplace.
17 Much less, we are trained in how to do properly
18 our work. We housekeepers are practically
19 (unintelligible) and ignored. And the worst is
20 that there are not specific laws that protect
21 us in the workplace. We are part of this
22 society, and we believe we are indispensable.
23 Without us doctors, lawyers, teachers,
24 policemen, firefighters and many others could
25 not function properly, much less be free in

1 their -- during their break time because our
2 work provides them with that leisure.

3 Therefore I recommend that research is done to
4 create laws of protection in the workplace that
5 let us housekeepers and baby sitters to be
6 visible people in this society and thus come
7 out of the shadows. Thank you very much.

8 **MS. SCHREIBER:** Hi, I'm Fran Schreiber and I'm
9 with Work Safe. I'm also the executive
10 director of the Cal-COSH legal services project
11 and Cal-COSH is a project of -- of a non-profit
12 agency and Work Safe is also one of those
13 projects.

14 Work Safe began around 1980 as a coalition that
15 built off of a number of the COSH groups around
16 the state of California, Committees on
17 Occupational Safety and Health. And in 1980 we
18 came together as Work Safe and have been active
19 in policy advocacy ever since.

20 I just want to -- it's not on my topic, but I
21 just listened to the last two speakers and they
22 were talking about how they're indispensable to
23 this economy, and yet they are disposable as
24 workers, and what the last speaker was just
25 saying about the fact that there are no laws to

1 protect them. I actually worked for Cal-OSHA
2 for four years back in the early '80s, and
3 she's absolutely right, there is no law that
4 protects workers who work in people's homes.
5 Cal-OSHA will not do inspections. They get no
6 training. And then when they're injured on the
7 job, they're completely disposable because the
8 laws for workers comp don't cover temporary
9 workers who work the few hours that these folks
10 work in a particular setting. So they get
11 screwed no matter which way they go, and I just
12 thought I would point that out to you.
13 I'm here today, though, to talk about something
14 else. I'm talking about kind of a California-
15 wide problem which I think we face in the
16 construction industry, and is also built off of
17 what two -- the other two speakers said
18 earlier. We're about to embark upon a big
19 public works project here in California. The
20 Governor was talking about \$222 billion worth
21 of possible work. And even if that number
22 isn't what we get to, there's going to be a lot
23 of money on the table for doing public works
24 job and increasing the number of construction
25 workers. We've got 18 million workers here in

1 California; 938,000 by last count did
2 construction. That number has been increasing
3 and will continue to increase.

4 And one of the earlier speakers said that of
5 that group -- well, before I get to that, the
6 incidence rate in terms of injuries for this
7 population here in California is 7.2, which is
8 far better, by the way, than what the national
9 incidence rate is for construction -- partly I
10 think because of the permitting system that we
11 have, which I think is something people need to
12 get some more information about because it
13 should be exported to other places outside
14 California. But it's still the highest number,
15 that 7.2 rate, among all of the sectors that
16 are here in California. And in addition to
17 that, as one of the speakers said earlier,
18 double that rate for the immigrant workers. So
19 you're talking about a significant problem.
20 You're going to have a lot of immigrant workers
21 coming in to do this new construction, and
22 we've got a problem on our hands.

23 I'm coming to this not as an academic. I am
24 not out of that area. I come from a real life,
25 real world perspective, and I think that NIOSH

1 needs more of that perspective. People have
2 talked about that earlier today. We need more
3 research to practice work, projects that are
4 going on.

5 And I'll also tell you that you have to change
6 your criteria for evaluating these projects
7 because the criteria you have is weighted in
8 the academic arena, and you need to not do
9 that. You need to have credits being given
10 when there's community and worker involvement
11 in these projects, otherwise the projects don't
12 get funded and the research doesn't get done.

13 I also would think that it might be nice to
14 have some worker representatives in the team
15 that evaluates these things, but I've been told
16 that that's really stretching it a bit.

17 I come also from having seven years of working
18 as in-house for the State Building and
19 Construction Trades Council of California.

20 Four years before that I did the criminal
21 prosecutions of OSHA cases when I worked for
22 Cal-OSHA between '80 and '84. I read every
23 fatality in the state of California during a
24 two-year period and I noticed something. In
25 almost 99 percent of the cases somebody on that

1 job knew ahead of time that that so-called
2 accident was going to happen, and either they
3 spoke up and were told to shut up, or they
4 didn't speak up because they knew that was what
5 was going to happen to them, and I prosecuted
6 people criminally.
7 And it dawned on me as I started doing that
8 that it would be better to prevent those
9 injuries before they happened. And the way
10 that you do that, I learned in the next job I
11 had with the State Building Trades, which was
12 with joint labor/management health and safety
13 committees where we actually saved money and
14 saved lives. And the gentleman here spoke
15 before about the projects that they're doing
16 with these committees, and I now want to just
17 lay out very quickly -- I know my time is up --
18 a couple of research areas to focus on joint
19 labor/management committees to determine, with
20 research to practice proposals, how to maximize
21 the effectiveness of joint labor/management
22 committees to look at effective labor
23 participation using training programs such as
24 (unintelligible) which we have here in
25 California, looking at what's happening with

1 the Bay Bridge situation where you've got,
2 quote, self-inspection by a company and you
3 don't have enough Cal-OSHA inspectors to go
4 after them and they won't agree to have labor
5 participation. And even if they did have labor
6 participation, it wouldn't have trained labor
7 participation.

8 We need information on cost savings offered by
9 joint labor/management health and safety
10 committees in order to encourage use of them.
11 We need human costs and what kind of costs we
12 can determine when a life is saved and how many
13 lives and how many fewer injuries there are,
14 and we also need information about construction
15 savings for the construction owner and the
16 contractors. We need to look at other worker
17 participation models and promote them, as well,
18 such as effective tailgate training meetings
19 which are done with worker participation. We
20 need to look at labor/management laws and
21 regulations in other countries and in other
22 settings where these are required by law to be
23 done and to see what happens. We need to look
24 at pre-qualifying contractors, both generals
25 and subs, and requiring them to have

1 labor/management committees in order to do --
2 do these big construction jobs. And we need
3 workers comp discounts based on effective
4 labor/management committees. We need to look
5 at projects where those -- that kind of thing
6 is happening, look at laws and regs where
7 that's happening. And finally, look at
8 contract language and determine what can be
9 done via educating construction owners to
10 include joint labor/management committees.
11 I know I've gone over my time, but we need some
12 economics here to prove that these are the safe
13 way of doing things and that they will prevent
14 injuries before they happen. Thank you.

15 **MS. BEN-LEVI:** Thank you. Now we have our
16 psychosocial factors in the workplace panel:
17 Jason Wang, UCLA School of Public Health; Peter
18 Schnall, UCLA Center for Occupational and
19 Environmental Health; Dean Baker, UC Irvine
20 Center for Occupational and Environmental
21 Health; Pam Tau Lee, Labor Occupational Health
22 Program, UC Berkeley; and Mauritz Jauregui,
23 also from University of California Irvine,
24 Center for Occupational and Environmental
25 Health.

1 **MR. WANG:** Good morning, everyone. My name is
2 Jason Wang. I'm the research (unintelligible)
3 department of epidemiology (unintelligible) --

4 **UNIDENTIFIED:** Jason, we can't hear you.

5 **MR. WANG:** Sorry, can you hear me now?
6 (Unintelligible) Okay, I'll repeat again. My
7 name is Jason Wang. I'm the research assistant
8 from UCLA department of epidemiology. Today I
9 represent our research team collaborate with
10 UCSF (unintelligible) lab and also the
11 California Department of Health Service. And
12 we have conduct successful -- conduct
13 (unintelligible) for garment worker so today
14 the issue I want to speak is we will focus on
15 the (unintelligible) musculoskeletal disorder
16 for sewing machine operator.
17 Based on our finding, the -- most of the
18 garment worker, they are immigrant woman and
19 working for minimum wage, and also the most big
20 finding we found is the -- about -- more than
21 80 percent of them don't even have health
22 insurance. So musculoskeletal problem, based
23 on our survey, we find out is the -- really a
24 big problem for them. Everyone -- all of the
25 operator, even the shop owner, told us this is

1 the -- really serious problem for them and they
2 want the help from us and they want immediately
3 help -- to help them to solve this problem.
4 And based on our finding about -- more than --
5 more than 60 percent of them are able -- have a
6 musculoskeletal pain during at least a one day
7 per week. And among them, about 30 percent of
8 them have -- the pain is severe to -- moderate
9 to severe pain. So we find all this -- this is
10 really a serious problem in this under-served
11 population. And during the year from 2003 to
12 2005 we actually received several phone calls
13 from several garment shop that asked to help
14 from us. They want us to help them to help
15 their employee to -- how -- how can they do to
16 help their employee to prevent the injury
17 happen to minimum the musculoskeletal problem.
18 So today we're here. We just want to help
19 these garment shop to speak out and we want to
20 help them to say this is a really a serious
21 problem. Musculoskeletal problem is a really
22 serious problem for this occupation and we
23 really need to spend more time and spend -- do
24 more training and maybe (unintelligible)
25 conduct more program to help this population --

1 to help them to prevent this injury happen.
2 Thank you.

3 **DR. SCHNALL:** Good morning. My name is Dr.
4 Peter Schnall. I'd like to thank Cass Ben-Levi
5 and Linda Delp for helping to organize this
6 meeting. It's a pleasure to be here this
7 morning. These are my personal views, but I
8 should point out that I'm the recently-elected
9 chair of the ICO scientific commission on
10 cardiology and occupational health, and I'm
11 hoping that the comments reflect the views of
12 the people doing research in this field
13 concerning psychosocial factors. I have six
14 points I'd like to make this morning.
15 One, work is necessary, and yet can negatively
16 impact on our health through the way that it is
17 organized. Most people spend the majority of
18 their waking hours commuting to and from work
19 or at work. Work, so fundamental to a positive
20 social identity, wealth and well-being, has its
21 darker and more costly side. Work can
22 negatively impact on our health, an impact that
23 goes well beyond the usual counts of injuries
24 and exposures to toxic chemicals that we think
25 of when we think of occupational health. The

1 way work is organized -- its pace and
2 intensity, the space it allows or doesn't for
3 realizing a sense of self-efficacy and self-
4 esteem, the level of control over the work
5 product or process, the sense of justice or
6 injustice, and job security or growth -- the
7 nature of social relations at work, it turns
8 out, can be as benign or toxic to the health of
9 workers as the chemicals one breathes in the
10 air.

11 Scientists refer to some of these
12 characteristics of work as hazards of the
13 psychological and social work environment to
14 which employees are exposed.

15 Point two, workers are experiencing significant
16 stress at work. The problem is so pervasive
17 that 60 percent of all workers at all levels
18 and all sectors experience significant stress
19 at work according to NIOSH's 2002 annual survey
20 of the U.S. working population.

21 Point three, there are major categories of
22 psychosocial stressors that cause physical and
23 psychological illnesses. A number of work
24 stressors, including objective features of the
25 job such as long work hours and shift work, and

1 psychosocial exposures such as job strain,
2 effort reward and balance and threat avoidant
3 vigilant work have been identified as playing a
4 role in the development of psychological
5 distress such as burnout and depression, the
6 tip of the iceberg vis-a-vis the occupational
7 illness, and contributing to chronic
8 physiological arousal leading to hypertension
9 and cardiovascular disease.

10 Existing research on occupations, including the
11 service sector with its almost 65 million
12 working people, have demonstrated the important
13 role of work organization in the etiology of
14 hypertension and cardiovascular disease. In
15 the U.S. alone, cardiovascular disease is the
16 cause of 41 percent of all deaths. An
17 estimated 300,000 people die annually of heart
18 disease in the U.S. By the age of 60, 60
19 percent of workers will have developed
20 hypertension.

21 Based on available research in this field, job
22 strain -- work characterized by high demands
23 and low control -- would appear to account for
24 25 percent of all morbidity and mortality for
25 heart disease among working people after

1 controlling for individual risk factors. Some
2 occupational risk studies say that the total
3 burden of work on cardiovascular disease is
4 over 50 percent.

5 Point four, we need to know a lot more. Still
6 not enough is known of the exact mechanisms by
7 which psychosocial stressors contribute to
8 disease, and even less on how to prevent them.
9 No major intervention study to reduce
10 psychosocial stressors and to assess that
11 impact on cardiovascular disease has yet to be
12 conducted in the United States.

13 Point five, there is an imbalance in control
14 between employer and employed. The scientific
15 evidence suggests a connecting thread by which
16 work organization and psychosocial stressors
17 impact on health. That is through the
18 mechanism of control. All of the fore-
19 mentioned risk factors capture some dimension
20 of the uncontrollability of the work
21 environment or of the job. Ultimately work
22 stressors reflect an imbalance of power between
23 employer and employee, an imbalance which is
24 growing under the pressures of globalization
25 and economic competition, manifested by longer

1 work days, decreasing vacation time,
2 intensification of labor, et cetera.
3 Overwhelming evidence documents that social
4 inequality, characterized by the unequal
5 distribution of wealth and opportunity, is
6 increasing in the U.S. It is reasonable to
7 conclude that one of the mechanisms by which
8 social class contributes to ill health is
9 through the exposure of large segments of the
10 society to stressful working conditions.
11 Powerlessness at work, at home and in the
12 community is our society's greatest public
13 health problem. Ultimately the rectification
14 of this problem will require both a better
15 understanding of the mechanisms linking the
16 work environment to physiological risk factors
17 as well as political action.
18 Finally, healthy work is a possibility. It is
19 possible to design work that promotes health
20 and well-being. It is not demanding work per
21 se that's harmful, but work without control
22 over how one meets the job demands or uses
23 one's skills. Tomorrow's jobs will be
24 deliberately crafted to allow the full
25 development of human spirit through work which

1 encourages, not discourages, human potential.
2 This means creating a work environment that is
3 conducive to human mental and physical health.
4 And a key characteristic of a health-liberating
5 work environment will be the full participation
6 of all working people in the decision-making
7 processes surrounding the organization of work.
8 Thank you.

9 Sorry, that was a little rushed.

10 **UNIDENTIFIED:** (Off microphone)

11 (Unintelligible)

12 **DR. SCHNALL:** Sorry, Mauritz Jauregui, Dr.
13 Jauregui, will speak next.

14 **DR. JAUREGUI:** Good morning, everyone. My name
15 is Mauritz Jauregui and I'm also with the UC
16 Irvine Center for Occupational and
17 Environmental Health.

18 In my presentation today I'd like to make three
19 main points, the first of which is that work
20 stress is important, but we should be focusing
21 on sources of work stress that reflect the
22 current nature of work in the U.S.

23 The second is -- excuse me, I'm -- can you all
24 hear me in the back? Yes? Okay.

25 My second point is that work stressors do not

1 exist in isolation, so we should be examining
2 both the cumulative and interaction effects of
3 multiple work stressors and their outcomes.
4 My third point is that we should be collecting
5 data not on what it costs to make our employees
6 well once they become ill, but on what it costs
7 to keep them healthy in the first place.
8 Work-related stress costs the U.S. more than
9 \$200 to \$300 billion a year, and is implicated
10 in 60 to 90 percent of medical problems.
11 Traditionally research in work-related
12 stressors have focused on the concept of job
13 strain mentioned by Dr. Schnall, which is the
14 combination of high job demands and low
15 control, and effort reward and balance, which
16 is a mis-match between the amount of perceived
17 effort put -- on the job and the perceived
18 long-term rewards such as respect, income,
19 promotional prospects and job security. Also
20 examined have been design of tasks and
21 organizational factors such as shift work and
22 long working hours. And known traditional
23 stressors such as work/family conflict and
24 discrimination have been less prevalent in
25 research. But given that the service industry

1 now accounts for 80 percent of the U.S.
2 economic activity, and that over 64 percent of
3 dual-income wage earners have children under
4 the age of 18 at home, it becomes even more
5 important to examine non-traditional stressors
6 such as those that stem from direct interaction
7 with clients as part of one's job that could
8 lead to harassment and emotional labor, which
9 is the process of regulating your emotions in
10 order to present a professional image, as well
11 as stressors such as conflict between work and
12 family roles.

13 In addition to the cardiovascular disease
14 described by Dr. Schnall, work stressors have
15 been associated with physical outcomes such as
16 musculoskeletal symptoms, cancer,
17 gastrointestinal problems and impaired immune
18 function. They've also been associated with
19 psychological outcomes such as burnout,
20 anxiety, depression and PTSD. If you have any
21 doubts, just ask any emergency rescue worker.
22 In addition to these are behavioral outcomes,
23 the most commonly studied being excessive
24 alcohol use, smoking and low leisure time
25 activity. Less commonly examined are sleep

1 disturbances such as the ones mentioned by
2 Deanna Stover, accidents, and most
3 disturbingly, violent behavior. In the U.S.
4 almost 1,000 workers each year are murdered on
5 the job.

6 All of these outcomes vary by socioeconomic
7 status, gender, age, occupational resources and
8 psychological and social resources, and all
9 these outcomes can interact with the work
10 environment and with each other, but we still
11 don't know how.

12 Now if we include outcomes in a broader sense,
13 such as the financial consequences of these
14 stressors, we realize that these stressors are
15 affecting not just individuals but the economy
16 as a whole. Back in 1999 NIOSH estimated that
17 these associated costs were over \$200 billion
18 annually if one took into account only
19 absenteeism, tardiness and employee turnover.
20 Sickness absence alone costs companies
21 approximately 2.8 million workdays each year,
22 which works out to about \$790 per worker per
23 year.

24 Presenteeism is also an issue. There's the
25 assumption that an employee who's not absent is

1 being productive. This is not necessarily
2 true. Employees may experience below-normal
3 work quality or quantity while at work. It's
4 been estimated that presenteeism costs the U.S.
5 companies \$250 billion per year, or
6 approximately \$2,000 per worker per year.
7 Workers compensation claims also cost money.
8 Here in California workers compensation costs
9 in 1993 were \$9 billion a year. Ten years
10 later in 2002 the costs had risen to \$32
11 billion.

12 In summary, industry already knows -- already
13 makes a significant investment in human
14 capital, most of these associated with health.
15 A significant percentage of them, such as long-
16 term disability, sick leave, safety initiatives
17 and absenteeism, are well known to companies.
18 They already know what it costs to make
19 employees well once they've become ill. So we
20 should be asking what does it cost not to keep
21 employees healthy. Adding up the costs of work
22 stressors requires more than just integrating
23 data and risk factors and medical claims and
24 disability. It also means measuring things
25 that haven't been measured in the past, such as

1 non-traditional work stressors and lost
2 productivity.

3 I just want to thank you all, and I'd like to
4 introduce Dr. Dean Baker.

5 **DR. BAKER:** Hi, I'm Dean Baker from UC Irvine.
6 I'm going to focus my remarks on some of the
7 specifics of research areas, but I do want to
8 comment generally that -- I want to
9 congratulate NIOSH for the initiatives and --
10 both around NORA psychosocial factors and the
11 collaboration with APA NIOSH in raising
12 awareness of this issue, but I also want to say
13 I think it's a dangerous kind of collaboration
14 because it tends to emphasize the psychosocial
15 part of it. And as Dr. Schnall pointed out, we
16 fundamentally see the etiology of these
17 problems in the way work is organized in the
18 workplace, and specifically the lack of
19 empowerment and lack of control of workers in
20 the workplace. This is fundamental to
21 virtually this whole area of understanding work
22 organization and psychosocial factors.
23 I wanted to emphasize some of the things that
24 were mentioned earlier. There's a lot of
25 research that's been done in this area that has

1 validated the associations with cardiovascular
2 disease and hypertension, musculoskeletal
3 disorders and other disorders. But much more
4 research is needed. We looked on the NIOSH web
5 site. There's about eight projects right now
6 that receive some funding in this area.
7 Clearly there could be a lot more research.
8 We also understand that some of the trends in
9 the workplace in terms of increasing work
10 hours, lean production, less job security, are
11 all issues related to work organization and
12 psychosocial factors. And we also understand
13 the enormous problems that have been talked
14 about earlier today in terms of health
15 disparities. Really there are different kind
16 of emphases in terms of the target population
17 that come from this.
18 First of all, research needs to focus on
19 multiple sectors. This is clearly a multi-
20 sector problem. In fact, the research is
21 enhanced by looking at multiple sectors 'cause
22 if you look at one workplace, or even just one
23 job, you end up constraining the range of
24 factors that you're studying in terms of work
25 organization.

1 But also there's been relatively little
2 research -- some recently, but relatively
3 little research on disadvantaged minority and
4 immigrant populations. Those special
5 populations definitely need to be looked at in
6 terms of these issues.

7 And then the other thing that hasn't been
8 mentioned as much this morning is the focus on
9 small businesses. Much of the research have
10 taken place in large businesses, unionized
11 businesses, large corporations. And clearly
12 the vast bulk of workers in the United States
13 are working in small businesses.

14 In terms of the research areas, I wanted to
15 just briefly mention three types of research
16 strategies. One is increased research around
17 surveillance of these problems, and
18 surveillance can be both surveillance of
19 workplaces in terms of the characterization of
20 the psychosocial and work organization
21 stressors, as well as looking for outcomes. So
22 for example, surveillance of hypertension in
23 the workplace -- earlier work by Dr. Schnall
24 and others in New York -- found substantial
25 numbers of workers have increased ambulatory

1 blood pressure while at work, even though in
2 the doctor's office they may not have high
3 blood pressure. But the high blood pressure at
4 work was the most predictive of whether people
5 developed subsequent heart disease and
6 problems, and that's being missed by not doing
7 surveillance in the workplace. But there are
8 logistical and technical issues about how you
9 can do that in a cost-effective manner. There
10 are obviously issues related to how do you do
11 surveillance in terms of assessing the
12 workplaces in the workplace, as well.
13 In terms of etiologic research, although
14 there's been a lot found, there's a lot more
15 that need to be looked at. Many of these
16 factors we're looking at combined exposures,
17 host -- if you will -- risk factors the
18 disadvantaged populations and work organization
19 looking at a lot of outcomes. These are
20 complex issues, which is why it's so
21 challenging for people to sort of understand
22 the complexity of the issues. We don't have
23 any studies in the United States that would be
24 like the Whitehall study in England that
25 basically followed large populations over time

1 so they can look at -- and they found, for
2 example, that job strain and effort reward were
3 independent predictor factors of heart disease
4 and hypertension, so you need large cohort
5 studies that can handle the complexity of this.
6 You need to refine your models.
7 And you need to address the other outcomes.
8 We've heard about musculoskeletal, but there's
9 research about the association of work
10 organization with burnout, with immune
11 incompetence mostly foc'ing (sic) so far at
12 antibody changes that lead to increased
13 infections but possibly to inflammatory
14 cytokines and risk of cancer as well as
15 reproductive hazards.
16 And then finally I want to emphasize, because
17 this is complex and because people have trouble
18 getting -- understanding all the mechanisms, is
19 the important focus on intervention research.
20 And specifically one of the things that NIOSH
21 has supported is intervention research on
22 integrated work site health promotion. But
23 it's interesting, people are integrating
24 traditional work site promotion programs and
25 individual health promotion programs, but

1 ignoring the fundamental synergism that the job
2 strain literature has shown a major cause of
3 heart disease is workplace exposures. And we
4 also know a large focus of the health promotion
5 independently has been on heart disease risk
6 factors, but these have not been put together
7 in terms of integrated programs that focus on
8 heart disease prevention by looking at work
9 organization.

10 And a key aspect of all of these things, going
11 back to my initial point, is participatory
12 action and research which fundamentally is an
13 empowering form of research. So you're not
14 both -- you're both impacting on the workplace,
15 per se, but doing it in a way that's consistent
16 with the paradigm that addresses the
17 fundamental causation of -- of the work
18 stressor problems. Thank you.

19 **MS. LEE:** Hello, my name is Pam Tau Lee and I'm
20 with the Labor Occupational Health Program at
21 UC Berkeley, and I'm here to speak on future
22 research needs to support a public health
23 approach to workplace health and safety for
24 service sector workers. I have over 20 years
25 of work experience with hotel room attendants,

1 and have recently assisted two recent landmark
2 -- I consider landmark -- room attendant health
3 studies in Las Vegas and San Francisco.
4 In the United States there are over a million -
5 - a million employees employed in the
6 hospitality industry, and the numbers are
7 expected to increase as business will improve.
8 And over the past two decades guest services in
9 particular has increased. The twin beds --
10 some of you may not even know that there used
11 to be twin beds -- in hotels have been now
12 replaced by queen and luxury mattresses; simple
13 bedding by triple sheeting, more pillows,
14 duvets and heavy bedspreads; bathrooms and
15 sleeping quarters have more supplies, amenities
16 and equipment. And in a nutshell, the workload
17 for room attendants has increased.
18 But what has been the implications for room
19 attendant health? On the two studies that I
20 just talked about, conducted by UCSF researcher
21 Dr. Nicholas Krause*, it was found that indeed
22 the workload has increased. And because of
23 that, 66 percent of the room attendants report
24 that they are unable to take their needed rest
25 and recovery breaks, that the health status for

1 room attendants range from fair to poor, that
2 40 percent of room attendants have high blood
3 pressure as compared to the national average of
4 25, that 78 percent experience work-related
5 pain or discomfort, but only 20 percent of
6 these room attendants filed formal reports.
7 Only 46 of these room attendants took time off
8 of work for injury and illness actually got
9 well before returning to work. Eighty-three
10 percent take pain medications within the last
11 four weeks of this study, and vitality and
12 energy was rated low at 36 points for Las Vegas
13 room attendants compared to the national score
14 of 61 out of a real nice score of 100.
15 Psychosocial indicators such as effort reward,
16 job strain and job control may be significant
17 indicators for injury. Dr. Lester Breslow*
18 recently reported -- published an article
19 titled "Health Measurement in the Third Era of
20 Health", and in this article he makes the case
21 that health be considered as a resource for
22 everyday life. Given that 90 percent of
23 Americans believe that their health is
24 excellent or good, as opposed to fair or poor,
25 it is reasonable that further research on

1 workers focus on sectors such as room
2 attendants, who currently do not enjoy good
3 health, are working in pain, lack energy to
4 perform everyday chores.

5 Our experience with room attendants is similar
6 to many low-wage workers, such as janitors and
7 health care workers. So future research
8 focusing on identifying more workplace hazards
9 and effective interventions can contribute
10 greatly towards improving health for workers in
11 the U.S., especially the most vulnerable such
12 as immigrant workers. High injuries (sic) of
13 injury and illness for those sectors have
14 implications that go far beyond lost days and
15 productivity. Workplace injury, illness and
16 stress interfere with normal healthy family
17 activity and community engagement.

18 In a developed country such as ours, we should
19 have the resources to prevent these conditions
20 from occurring. I have six recommendations for
21 further future research.

22 The first is comprehensive ergonomic studies
23 that utilize the best and the latest technology
24 to measure ergonomic strain.

25 Number two, long-term studies that look at

1 health indicators such as blood pressure,
2 diabetes, musculoskeletal injuries and other
3 conditions among service workers, and
4 particularly room attendants.

5 Third, studies to measure psychosocial
6 conditions, especially job strain, job control
7 and effort reward, worker compensation and
8 return to work. Vulnerable workers such as
9 low-wage immigrant workers are less likely to
10 file for workers compensation, and this is
11 further complicated by the fact that there is
12 no light duty available. And, as you've heard
13 today, lack of access to health care.

14 Two more, intervention studies that measure the
15 effectiveness of interventions, not only for
16 traditional health and safety injuries and
17 illness, but also workload, work organization
18 and psychosocial health.

19 And finally, before my stop button, is
20 community-based participatory research to
21 incorporate those who are directly impacted in
22 the research and in the activities, and
23 research that focuses on findings that can
24 contribute towards identification of effective
25 interventions. Thank you.

1 **MS. BEN-LEVI:** Thank you, panel. I should
 2 point out that Dr. Baker is the deputy director
 3 of the Southern California Education and
 4 Research Center, your host for the day.
 5 The last panel of the morning is going to focus
 6 principally on ports and goods movement, but
 7 not completely. Miguel Lopez, Teamsters Port
 8 Division; Norm Tucker, ILWU; Jesse Marquez,
 9 Coalition for a Safe Environment; Marianne
 10 Brown, former director of UCLA LOSH; and Elisa
 11 Brown, ANA.

12 **UNIDENTIFIED:** Cass, you forgot Angelo.

13 (Pause)

14 **MS. BEN-LEVI:** Someone who slipped through our
 15 doorkeepers, Angelo Logan, East Yard
 16 Communities for Environmental Justice, so let's
 17 get one more chair up, please.

18 (Pause)

19 **MR. LOPEZ:** Good morning, and thank you for the
 20 opportunity to address the community regarding
 21 the National Occupational Research Agenda. My
 22 name is Miguel Lopez and I'm a representative
 23 of the International Brotherhood of Teamsters'
 24 Port Division.
 25 The IBT represents more than 1.4 million

1 workers in the United States of America, Canada
2 and Puerto Rico. Our Port Division is
3 comprised of approximately 5,500 drivers,
4 stevedores, tugboat crews, warehouse workers,
5 ferry crews, employees of port authorities and
6 workers involved with ship building and repair.
7 There are at least 100,000 port intermodal
8 container drivers in the United States. A vast
9 majority of port drivers are, quote/unquote,
10 independent contractors and are non-union
11 workers. Most are poorly-compensated
12 immigrants who barely scrape together enough
13 money to purchase a truck. Despite being
14 relegated to the bottom of the freight-moving
15 transportation industry, these workers play a
16 vital role. The international supply chain and
17 U.S. economy depends on container drivers'
18 ability to move goods from our ports to
19 warehouses and railheads.

20 Port truckers' pay is mostly based on the
21 number of round trips they complete. Therefore
22 traffic congestion and inefficient port
23 operations have a significant impact on their
24 ability to earn a living by restricting the
25 number of trips a trucker can make in a single

1 day. They don't get paid for waiting time.
2 They don't get paid for any time other than
3 delivering the container.

4 The Teamsters have recognized for a long time
5 the need to research and drastically improve
6 health and safety conditions for intermodal
7 container drivers. Port drivers unnecessarily
8 suffer from preventable work-related illness,
9 injury, disability, and even death. Today I
10 would like to bring attention to some of the
11 most egregious dangers faced by intermodal
12 container drivers.

13 Absences of lane markings, organized traffic
14 control plans, and segregated loading areas
15 create unsafe and crowded conditions. Port
16 authorities benefit from such arrangements
17 because it allows them to have flexibility in
18 their operations. However, driver safety
19 should not be sacrificed for the convenience of
20 flexibility. Furthermore, operational
21 environments that increase the risk of truck
22 crashes and result in more crashes than
23 necessary hurt operational efficiency.
24 Waiting in long lines presents numerous
25 problems. Drivers are forced to wait without

1 rest for hours before being released to
2 transport a shipping container to a destination
3 that may be several hundred miles away. As a
4 result, hours of service rules are regularly
5 violated. Also, truck lines often lack
6 bathroom facilities and drinking water
7 facilities.

8 Let me just add in the hours of service issue,
9 particularly in the Los Angeles/Long Beach area
10 since they've introduced a 24-hour clock,
11 drivers are now exceeding those hours of
12 service even more dangerously than before
13 because they're only paid by the load. So
14 therefore, in order to make more -- more work,
15 they have to run longer hours. So let me
16 forewarn all of you that drive any kind of
17 vehicle on the highways of America, not only
18 fatigue and sleeping disorders are a part of
19 our problems now, but the hours of service that
20 there's no enforcement on local drivers running
21 in and out of the area are a great danger to
22 the public, and the industry and the government
23 are sitting on their hands in terms of this
24 issue. This should be a very -- very important
25 issue that's taken up by everybody, and I would

1 just say to you all -- a little side note here
2 -- stay away from any truck driver with a
3 container that's driving on the highways. Put
4 yourself one lane away from them, please. I
5 have 35 years as a commercial driver, and I
6 know what I'm talking about on that issue.
7 The length of time trucks must wait to retrieve
8 their loads leads to hundreds of idling diesel
9 engines emitting major air pollutants like
10 nitrous oxide and particulate matter. This
11 affects not only truck drivers but also
12 citizens of adjacent communities. The health
13 impacts from these pollutants include increased
14 risk of cancer, premature death, asthma
15 attacks, and work loss days. A 2003 study
16 published by the Natural Resources Defense
17 Committee declared port-related diesel
18 particulates as the key pollution offender in
19 many port cities.

20 At many ports drivers must remain in their
21 trucks among stacks of containers while
22 overhead lift cranes remove or load containers.
23 If a container drops while above a truck, or
24 bumps another container that is stacked, the
25 results can be serious injury or death. While

1 drivers sit in their trucks they have no way of
2 knowing what is happening above them.
3 Furthermore, truck cabs will surely crumple and
4 the driver likely killed if a free-falling
5 container struck it. A staging area like the
6 ones for taxis should solve this problem.
7 In the past, longshore pinlock men with proper
8 training and personal protective equipment
9 locked and unlocked pins that hold containers
10 onto the chassis in the area of heavy lifting
11 equipment. Today, without training or safety
12 equipment, container drivers are doing this
13 work. The risk is high for them to lose
14 fingers and hand or limb while reaching to lock
15 or unlock chassis pins.
16 As a usual practice, intermodal container truck
17 drivers clean out empty containers that have
18 transported hazardous materials or toxic
19 substances. In too many cases hazardous
20 material residue remains in empty containers.
21 Containers have no records of cleaning, and may
22 or may not display hazmat placards indicating
23 hazardous material was previously present.
24 Drivers who clean empty containers lack the
25 training and proper protective clothing and

1 equipment to perform this type of work.
2 Companies that own and lease containers should
3 be required to contract with trained
4 professionals to clean empty boxes.
5 A little side note, hazardous material
6 endorsements on a commercial driver's license
7 require an English test at the DMV, which most
8 of the drivers who are Spanish-speakers do not
9 understand those kind of tests, so most of the
10 drivers do not have hazmat endorsements. Yet
11 many companies run hazmat material without
12 placards on containers.
13 The responsibility of moving chassis and
14 containers for repairs at maintenance
15 facilities has recently been shifted to the
16 container drivers.
17 I'm going to skip on because I want to stay
18 within the time limits. I have the rest,
19 prepared comments. It's involving security and
20 explosives and weapons, X-rays or gamma rays
21 through new port terminal screening that they
22 have at the ports. Let's see, the lack of
23 hazmat certification, new regulations for
24 unsafe chassis, and of course our latest
25 campaign on overweight containers.

1 For those of you that don't know, the L.A./Long
2 Beach ports handle upwards of 40 percent of the
3 imports to our country. If you add Oakland,
4 which is close to 20 percent, 60 percent of all
5 import containers come through those three
6 California ports. None of those containers are
7 weighed as they come out of the terminals and
8 go onto the highway. And most people who run
9 those do not have the ability to ensure that
10 they could safely figure out if there's --
11 there's a scale or weight regulation is -- is
12 being upheld. So again, stay away from those
13 containers.

14 We have a national campaign going with the Stop
15 Highway Slaughter of truckers that roll-over on
16 overweight containers. I'm going to put this
17 as part of our statement, and I'm sorry I
18 couldn't finish this. It's much too long.
19 Thank you for your time.

20 **MR. TUCK:** Still good morning to you. My name
21 is Norman Tuck -- not Tucker. I'm with the
22 International Longshore and Warehouse Union, a
23 37-year member. Before that I worked in the
24 shipyards in the Port of Los Angeles. It's
25 nice to follow Miguel because Miguel and I go

1 back some years in the same industry, in the
2 ports, Teamsters, Longshoremen. Today we have
3 an era where the truck drivers are not
4 unionized. There is no ability just now to
5 unionize them, and we all together do our best
6 to help these workers when they're in the
7 facilities.

8 I'll read a statement of the position of the
9 ILWU, and before I do, I just spent -- with
10 Miguel -- 13 months with past-Mayor Hahn*'s "No
11 Net Increase" task force in the Ports of Los
12 Angeles and Long Beach, trying to seek
13 solutions to what we would do with ship
14 movement, truck movement, and those pieces of
15 equipment on the docks.

16 (Reading) These comments will reflect our
17 historic and current position on this matter,
18 as well as a synopsis on what we feel is --
19 needs to be done in the near, as well as the
20 distant, future. We ask the National Institute
21 of (sic) Occupational Safety and Health, NIOSH,
22 give their full consideration when developing
23 their National Occupational Research Agenda for
24 the next ten years.

25 Historically longshore work on the docks

1 consisted of many hazards, most of which have
2 evolved over time. Years ago the work was so
3 dangerous that it was not only common, but also
4 an accepted fact, that longshore workers were
5 either killed and/or maimed with alarming
6 regularity. Work shifts that lasted 12 hours
7 or more were common, adding to the already
8 unsafe conditions that prevalent (sic). The
9 work was arduous, sweat-filled, backbreaking.
10 There were very few safety provisions covering
11 longshore workers. If someone was injured or
12 even killed, they would simply be carted off
13 and replaced with someone else to earn a day's
14 wage, and these were the dark days.
15 And there used to be a time where it took --
16 when you had a ten-cent -- to get into a phone.
17 That's what it took to replace a longshore
18 worker. You're looking at someone here who, in
19 my 37 years of working on the waterfront, I've
20 had both my shoulders surgically repaired --
21 you know, the big scars -- my left -- right
22 lower extremity crushed, five years away from
23 the workforce, seven surgeries, plate, screws,
24 pins. I have a plate in my hand and my finger,
25 back injury, broken foot. I'm a mess. When I

1 get up in the middle of the night to go to the
2 restroom and/or when I get up in the morning to
3 come -- place like this, I have a very
4 difficult time moving. I worked till 3:00
5 o'clock this morning. I work the night shift.
6 And we have been, for many, many years, a 24-
7 hour port, both Long Beach and Los Angeles.
8 (Reading) With the advent of mechanization in
9 the '60s it became readily apparent that the
10 need existed for safety regulations to be
11 instituted and implemented in the workplace and
12 on the waterfront.

13 And I'll try to go on as quickly as I can and
14 just pick up some of the highlights, and we'll
15 submit this document.

16 (Reading) Over the next three decades the ILWU
17 was successful in negotiating safety
18 regulations with the PMA, the Pacific Maritime
19 Association. These negotiations took place
20 every three years.

21 And I'd like to point out that during contract
22 negotiations in which I participated in 1996,
23 in the other room we had a safety negotiation
24 going on. There was a constant struggle and
25 fight with the employer. Nothing has changed

1 today that we did not see ten, 20, 30, 40, 50
2 years ago. It's the issue of labor/capital.
3 Nothing much has changed. I am very pleased
4 there are researchers today like yourselves and
5 others who are trying to move forward in
6 getting workers like myself and folks in the
7 hotel industry a chance of beginning -- or be
8 able to have a long life. I have four
9 grandchildren and I'd like to, when I retire
10 this August, like to have maybe 20 years to go
11 fishing and enjoy things.
12 When we look at our biggest concern today, and
13 I'll end by saying this, is the emissions from
14 diesel ships, trucks and heavy equipment. Last
15 night we're unloading steel. Around me is --
16 around me is forklift -- so you consider a
17 small forklift. Our forklifts pick up anywhere
18 from 15 to 30 tons at a lift. Okay? These
19 things are spewing out diesel emissions. I'm
20 from here to the wall from this truck, and this
21 stuff is just falling on me. Nothing has
22 changed, and it won't change until NIOSH and
23 every other regulatory agency gets on the same
24 bus and we make the federal government ante up
25 and the state governments ante up and make it a

1 point that we need to live longer and protect
2 our interests.

3 Again, thank you very much for allowing me to
4 come and speak. I could go on for ten or 20
5 minutes, but I won't. Thank you very much.

6 **MR. LOGAN:** Hello, thanks for having me. My
7 name is Angelo Logan. I'm with East Yard
8 Communities for Environmental Justice. East
9 Yard Communities for Environmental Justice is a
10 community-based environmental justice
11 organization which believes in and works toward
12 all people having the right to a safe and
13 healthy environment where we work, live, learn
14 and play.

15 Over the last five years our community has been
16 working to reverse the negative impacts of
17 goods movement industry, otherwise known as
18 port-related industries. Our community in the
19 southeast Los Angeles area is primarily a
20 working class community of color, with a large
21 amount of people employed in the movement of
22 goods industry -- truck drivers, railroad
23 workers, warehouse workers and port workers.
24 The Los Angeles Port complex is the largest in
25 the nation and the third largest in the world,

1 and continues to grow. As a port and the
2 industry grows, so do the concerns regarding
3 the safety and health effects associated with
4 movement of goods through the ports and goods-
5 movement corridors. Evidence exists that air
6 pollutants emitted from port-related activities
7 adversely affect people's health and contribute
8 significantly to regional air pollution
9 problems. Pollution from ports and port-
10 related industries cause an increase in
11 regional smog, local toxic air contaminants,
12 and the contamination of water sources.

13 Together these increase cancer and other health
14 risks for workers and other nearby community
15 members.

16 To alleviate the severe impacts of air
17 pollution it is important to invest in new
18 technologies and make people aware of
19 strategies to reduce or eliminate these
20 pollutants -- our pollutant sources. It is
21 crucial to promote studies on the -- on the
22 occupational and environmental health effects
23 of exposure to diesel and other air
24 contaminants facing both workers and those who
25 live in surrounding communities.

1 To do so, partnerships between researchers,
2 community organizations and labor are critical.
3 Partnerships with the affected groups will
4 enhance the likelihood that research findings
5 are reported back to the members of those
6 affected groups, and will facilitate the
7 participation of those groups in policy change
8 to reduce air emissions.

9 We encourage the National Institute for
10 Occupational Safety and Health to fund research
11 that is developed and implemented by
12 partnerships between researchers, community and
13 labor organizations, to fund the dissemination
14 of research findings to the people most
15 affected, and to organizations representing
16 them. In this way workplace, regulatory and
17 legislative policy changes will occur,
18 improving the health of workers and other
19 community members. Thank you.

20 **MR. MARQUEZ:** Good morning. My name is Jesse
21 Marquez. I'm executive director of the
22 Coalition for a Safe Environment. We are also
23 an environmental justice community
24 organization. We are headquartered and based
25 in Wilmington. Wilmington is a community in

1 the Port of Los Angeles, and we are the Los
2 Angeles Harbor.

3 I live four blocks from the Port of L.A., about
4 15 blocks from the Port of Long Beach, about
5 seven blocks from ConocoPhillips oil refinery,
6 about ten blocks from Valero oil refinery,
7 about 15 blocks from Shell oil refinery, about
8 12 blocks from the Alameda Corridor, about ten
9 blocks from the Watson rail yard, and about 22
10 blocks from BP ARCO oil refinery.

11 The Port of L.A. is the number one stationary
12 source of air pollution in southern California
13 -- not the harbor, not L.A., not the south
14 coast (unintelligible), but southern
15 California. The Port of Long Beach is the
16 second largest source of air pollution in
17 southern California. And the oil refineries in
18 my community are the third largest source of
19 air pollution.

20 My point being is that not only are workers on
21 the docks being impacted, but those workers'
22 families and of those communities that border
23 these industrial sites are also impacted by air
24 pollution. We also have to recognize we're not
25 talking about just air pollution. Air

1 pollution pollutes water. It pollutes the
2 oceans, our rivers, our lakes, our tidelands or
3 wetlands. It falls on our houses and our cars
4 and our yards, our parks and our schools. So
5 it impacts all of us.

6 What I have learned over the past five years,
7 so you know, is that five years ago I was not
8 an environmental activist. My IQ in terms of
9 all the environmental issues that I was facing
10 was zero. But in four and a half years I can
11 now read a 500, 600-page environmental impact
12 report that was put out by a government agency
13 who hired expert consultants, and I'll rip that
14 document apart page by page, paragraph by
15 paragraph, and line by line. I have read over
16 40 of these documents now, all by a government
17 agency -- either a city, a port or whoever.
18 And not a single one ever complied with the
19 law. That's what I discovered. They are a
20 lie. They misrepresent the facts. And they
21 even leave out the facts. Not one have I ever
22 read complied with CEQUA. Not one has ever
23 complied with NEPA, the federal standard.
24 That's what I have learned.

25 Right now there are no laws in the state of

1 California that state that the port, or any
2 refinery, must -- in five years, ten years, 15
3 years or 20 years -- reduce their pollution by
4 99 percent, 90 percent, 80 percent, 70 percent,
5 50 percent, 30 percent. There is no law today.
6 There will be no law tomorrow. There will be
7 no law five or ten years from now.

8 So what does that mean? Air pollution and
9 environmental pollution will get worse.

10 Workers will continue to get worse in their
11 health. And all the neighboring communities
12 will also face an increase in health problems.
13 That's what we are facing.

14 How can NIOSH help us? We need you. But we
15 need you to be doing the right things. We need
16 you to be able to help us in the right ways.
17 And here are some of those ways how you can
18 help us.

19 First of all, we must be made aware of what
20 dangers we are being exposed to. The south
21 coast air quality (unintelligible) district
22 released a study back in March of 2000 called
23 the MATES II, which was their multiple toxins
24 inventory. None of us in Wilmington, San Pedro
25 or west Long Beach, or in the Harbor, were even

1 aware of this study. And what did that study
2 state? That Wilmington, San Pedro and west
3 Long Beach were at the highest risk of cancer
4 due to diesel fuel emissions. So that means
5 all residents, all children, all senior
6 citizens and all workers. We weren't even
7 aware of the study. So it does no good for me
8 and my community and to my three brothers that
9 are longshoremen, to my niece and nephew that
10 are longshoremen, to my cousin that's a
11 longshoreman, and other union workers when we
12 don't even know the information that's out
13 there. So we need to know that information.
14 We need to be partners in research studies.
15 I was called three weeks ago by an ARB worker
16 at Sacramento saying they were going to do a
17 little health study. We were told that we
18 could possibly work together. I asked him to
19 send me the survey that they were going to do.
20 I got the survey e-mailed to me and the first
21 thing I said was oh, my God, another amateur.
22 This person had absolutely no survey
23 background, no public health research
24 background. And I e-mailed him back saying
25 would you mind if I sent you some

1 recommendations on your questions? And I
2 literally re-wrote half of all the questions
3 and gave him ten more questions to add to that
4 survey to make it a worthwhile survey. And I
5 volunteered to provide some of our people to
6 help do the survey.

7 So there are community organizations like ours
8 and others out there that'll work with you in
9 defining what needs to be done and how to write
10 and how to ask the right questions and how to
11 make it a very successful survey and study so
12 that that information will be useful for us,
13 because we need that information and we need
14 you to support us. Thank you.

15 **MS. M. BROWN:** Good morning. My name's
16 Marianne Brown, and as a former director of the
17 UCLA Labor Occupational Safety and Health, or
18 LOSH, program, it's really a pleasure to
19 participate again in the NIOSH NORA priority-
20 setting town hall meetings for -- as we go into
21 the second decade of NORA's existence.

22 In the time allotted this morning I will focus
23 on the transportation and warehousing sector
24 that is connected with the ports. This
25 includes dock workers, railroad workers and

1 truck drivers. Regionally this is a very
2 important health and safety focus right now, as
3 the previous speakers have attested to, because
4 these two ports, the Los Angeles -- in Los
5 Angeles County, the Los Angeles/San Pedro Port
6 and the Long Beach Port, make up the largest
7 seaport complex in the United States. Together
8 now, depending on which resource you turn to,
9 some call it the third largest port complex in
10 the world, others say the fifth largest, but
11 anyway, it's extremely immense and it's growing
12 daily. The Los Angeles/San Pedro Port last
13 year supported an estimated 259,000 jobs and
14 \$8.4 billion in wages and taxes. Longshore
15 workers at the ports, and other workers who
16 transport cargo containers from the ports to
17 their destinations, are exposed to air
18 pollution in the form of particulates from
19 diesel engines and other sources, which are
20 associated with premature death, cancer, heart
21 disease, asthma and other respiratory
22 illnesses. I have the references for those
23 studies that are attached to my -- what I am
24 submitting.
25 And now is a pivotal time for NIOSH to sponsor

1 research which examines particularly two
2 aspects of port and goods movement workers'
3 health. One is health effects research and the
4 other is intervention research.

5 With respect to health effects research,
6 there's further need for studies on the health
7 effects of air contaminants such as diesel
8 fumes from ships and yard equipment on dock
9 workers. There already is the research on
10 railroad workers and truck workers.

11 With respect to intervention research, there is
12 a need for a new kind, a new initiative for
13 research in NIOSH, and that is on what types of
14 policy changes are most effective in reaching
15 and reducing worker exposures. As part of this
16 there's a need for research on how research
17 findings are used to effect policies aimed at
18 reducing air contamination.

19 This is an important time for this research
20 because these two Los Angeles County ports are
21 the gateway for 40 percent of all goods
22 imported into the United States today. That
23 means that southern California workers are on
24 the front line of exposures as they handle
25 millions of cargo containers destined for other

1 localities around the U.S. In fact, in today's
2 *Los Angeles Times*, as many days in the last
3 couple of months, there are articles related to
4 the ports, and the title today is "Railroads
5 Back on Track." After years of retrenchment,
6 railroads across North America are reporting
7 record profits and rolling forward with massive
8 expansion projects of the kind that haven't
9 been seen in decades. The change is most
10 evident along the route from the Ports of Los
11 Angeles and Long Beach to Chicago, the nation's
12 busiest freight corridor for intermodal
13 shipping traffic, the large steel cargo
14 containers and truck trailers that can move by
15 ship, rail or truck.

16 As the Mayor of Los Angeles said recently when
17 describing this dilemma, we are at a very
18 unique moment, a moment in which we can
19 simultaneously deliver faster freight and
20 cleaner air. It's a pivotal time because the
21 ports and goods movement industry expand--
22 while they're expanding, there's a growing
23 political will to set policy that will reduce
24 the inevitable air pollution that will come
25 with this expansion. The mayors in Los Angeles

1 and Long Beach, and the Harbor Commissioners
2 for both ports, are committed to greening the
3 ports. In December both Commissions issued,
4 for the first time in the history here, a joint
5 memorandum of agreement to coordinate the
6 greening effects. And just a few weeks ago the
7 union which represents the west coast dock and
8 warehouse workers, the International Longshore
9 and Warehouse Union, AFL/CIO, a union with a
10 strong history of safety advocacy, issued a
11 call for stronger state, federal and
12 international standards requiring cleaner
13 technologies for polluting ships. And last
14 year the California Air Resources Board
15 approved regulations requiring ocean-going
16 vessels and cargo-handling equipment to use
17 cleaner-burning, low-sulfur fuels. At the
18 beginning of this year the Governor of
19 California proposed port and highway expansion
20 projects which some public health advocates
21 have criticized due to what they believe is a
22 lack of appropriate protections in place to
23 reduce air pollution from diesel-powered ships,
24 trucks and trains.

25 Last year the California Air Resources Board

1 concluded that air pollution generated by the
2 state's cargo industry would result in 750
3 premature deaths in 2005, and generate tens of
4 billions of dollars in related healthcare costs
5 over the next 15 years.

6 In conclusion I would like to again stress the
7 two areas that are in need of research are more
8 health effects research, more research on the
9 health effects of worker exposures to air
10 contaminants in the port, trucking and rail
11 material transport industries; and that these -
12 - this kind of research should be conducted by
13 university-based researchers in collaboration
14 with labor groups, similar to the well
15 established NIEHS-funded university/community
16 research partnership grants program.

17 And with respect to intervention research, a
18 new initiative by NIOSH could utilize public
19 health professionals, economists -- as was
20 mentioned earlier by Ms. Schreiber -- and other
21 social scientists to study the impact of goods
22 movement green policy changes on worker
23 exposures to air contaminants. Let me
24 emphasize again that as part of this initiative
25 there's a need for studies on how research

1 findings are used to effect policies aimed at
2 reducing air contamination.

3 So I want to thank you for the opportunity to
4 provide this testimony.

5 **MS. E. BROWN:** Good morning. My name is Elisa
6 Brown. I don't think I'm related to the
7 previous speaker, but that would be okay.
8 I am an advanced practice nurse in mental
9 health. I'm speaking on behalf of the American
10 Nurses Association. I wish to thank NIOSH for
11 the opportunity to give input into the research
12 agenda, and also for the privilege of listening
13 to the wisdom and recommendations made by the
14 previous speakers today.

15 I'm going to cover six particular issues in
16 relation to nursing and healthcare workers.
17 Safe patient handling, according to the Bureau
18 of Labor Statistics, in a recent study nurses
19 had over 8,000 reported work-related
20 musculoskeletal disorders which resulted in an
21 average of seven days away from work. This was
22 the ninth-highest rated profession in this
23 category of injuries. Research to prevent back
24 and other musculoskeletal disorders needs to
25 promote appropriate education and training in

1 the use of assistive equipment and patient-
2 handling devices, and in no-lift programs.
3 Research needs to be done on reshaping federal
4 and state ergonomic policies that would
5 highlight ways to do safe patient handling, add
6 techniques that would benefit patients and the
7 nursing workforce, and in line with some of my
8 previous speakers, to disseminate those
9 results, not to keep it to themselves.

10 Chemical exposure, RNs are -- and other
11 healthcare workers are routinely exposed to a
12 variety of hazardous chemicals, including
13 drugs, chemicals, cleaning solutions, all those
14 things used in the work setting. Many of these
15 have been associated with acute and long-term
16 effects and -- such as reproductive problems,
17 respiratory irritation and asthma, eye and skin
18 irritation, nausea, headaches, difficulty in
19 concentrating, and even in cancer. Research
20 needs to examine these health effects, do
21 surveillance -- as many of the speakers have
22 talked about -- and implement other efforts to
23 protect nurses and other healthcare workers.
24 Worker fatigue, research shows that overtime
25 and extended work shifts for nurses is

1 associated with increasing risk of smoking,
2 alcohol use, risk for back and neck injuries,
3 vehicular accidents, and increased exposure to
4 biological hazards. A recent Institute of
5 Medicine study states that effects of fatigue
6 include slowed reaction time, lapses of
7 attention to detail, errors of omission,
8 problems with problem-solving, reduced
9 motivation and decreased energy successful to
10 complete their work. More research is needed
11 to evaluate overtime and extended work shifts
12 and their relationship to productivity, quality
13 and safety provided in hospitals, and the
14 incidence of workplace accidents, injuries and
15 stress-related illnesses among nurses and
16 healthcare workers, and to look at the impact
17 on the general health status of healthcare
18 workers. Research needs to be done on
19 reshaping federal and state policy that will
20 limit the ability of employers to mandate
21 overtime.

22 Bloodborne pathogens, exposure to these --
23 there are still many needle-sticks and sharps
24 injuries, many more than should be occurring in
25 light of the fact that we now have safe

1 devices. What I'm finding is that what many of
2 the institutions do is keep their old ones
3 until they run out, even though they have
4 ordered the new ones in, and so we need to do
5 more work in looking at that. Research is
6 needed on the human factors and work practices
7 of nurses related to safe handling of sharp
8 devices and compliance with policies to protect
9 them from exposure. Further research is also
10 needed on facility-wide policies to promote
11 worker compliance with practices. And research
12 should develop safety-engineered devices that
13 are improved as needed.

14 Respiratory protection, research needs to be
15 done on ensuring that federal and state
16 pandemic planning policies include the use of
17 N95 filtering, disposable respirators to be
18 annually fit-tested rather than the use of
19 surgical masks. What we want to do is not just
20 protect the patient from the wearer, but the
21 wearer, also.

22 And workplace violence, the Board of -- I'm
23 sorry. There's a report that among persons
24 working in healthcare and social assistance
25 there were over 11,000 injuries and workplace

1 assaults and 19 homicides on the job. Further
2 research is needed in development of
3 interventions to prevent violence toward
4 healthcare workers and effectiveness.

5 On a personal note, I would like to also say
6 that I would like to look more at workplace
7 stress and the need to look at, as previous
8 speakers have talked about, really surveying
9 healthcare problems of workers and what we can
10 do to prevent these. Thank you.

11 **MS. BEN-LEVI:** Thank you, panel. No one has
12 yet claimed the glasses, so the test apparently
13 was not to look at me and see if you could see
14 me. Those of you who wear glasses, the test is
15 to look down at your papers and see if you can
16 read them. And if you can't, your glasses are
17 waiting out at the reception desk.

18 To wrap up the morning session, Linda Delp is
19 going -- who's been madly taking notes all
20 morning, is going to give us a summary. And
21 then she will turn it over to Sid for some
22 closing remarks, and then you get to go to
23 lunch.

24 **CLOSING: LINDA DELP, UCLA LABOR OCCUPATIONAL SAFETY AND**
25 **HEALTH PROGRAM**

1 **MS. DELP:** I'm really not going to read all
2 these -- just to trigger my brain. Well,
3 speaking of work organization, people have been
4 sitting here a long time without any break, so
5 I'm going to try to wrap this up as quickly and
6 concisely as I can, at risk of leaving out some
7 important points that were covered this
8 morning.

9 Three particular areas, one is populations in
10 workforce that was addressed, what were the
11 occupational health and safety issues or
12 topics, and then what were some research
13 approaches that were recommended.

14 We heard this morning about workers in the
15 service sector, housekeepers, L.A. city
16 workers, nurses. We heard about immigrant
17 workers, garment, agricultural, Korean
18 restaurant workers, day laborers, domestic
19 workers. We heard about young workers, workers
20 in construction, workers in refineries, truck
21 drivers and longshore workers. And we also
22 heard about people that live in communities
23 around workplaces.

24 Some of the issues that were raised that --
25 health and safety issues that were raised that

1 came up in light of all those different types
2 of sectors and industries were heat stress,
3 issues related to sanitation, workplace
4 violence, chemicals -- both cleaning chemicals
5 in manufacturing, air emissions -- particularly
6 diesel was mentioned to truck drivers and
7 longshore workers and communities, accidents
8 and even deaths in construction and in the
9 longshore industry. Unsafe equipment, unsafe
10 chassis, overloaded containers and how they
11 affect workers and the community, and made me a
12 little afraid to drive on the freeways after
13 this. Some of the hazmat exposures, workers
14 who clean out containers, concerns about
15 security, and then concerns about bloodborne
16 pathogens.

17 There was a large focus, both explicitly and
18 implicitly, on work organization issues -- long
19 hours of work among workers in the refineries
20 who have to work 20-hour shifts when they're
21 doing maintenance, to truck drivers who forego
22 sleep, to nurses. And one of the causes
23 allegedly behind that is some of the piece-rate
24 pay that workers receive, and I would contend
25 that that applies to workers from garment

1 workers where they get paid by the piece, to
2 workers like truck drivers who are paid by the
3 load, that both of those are causes for workers
4 to have to work much faster and less safely.
5 Workload and staffing issues came up in the
6 hotel industry and in the nursing industry, and
7 some of the health effects related to that were
8 also mentioned -- fatigue, sleep apnea, stress,
9 mental health, heart disease, ergonomic
10 injuries and musculoskeletal diseases.
11 On top of that was the question about not
12 really knowing exactly what the extent of the
13 problem is, and that there's a big need for
14 better statistics among young workers, among
15 immigrant workers in particular where under-
16 reporting is believed to be particularly an
17 issue.
18 A need for focusing on the consequences of
19 early injuries when it's -- when it's young
20 workers who are being hurt, and a need to focus
21 -- by several people mentioning -- about return
22 to work, under what conditions, when is it
23 safe, et cetera. And across -- the cross-
24 sector approach was also -- the issue of people
25 having to work without training and protective

1 equipment, and particularly that came up among
2 the immigrant workforce.

3 So what did people propose? Everything from
4 very specific suggestions to monitoring
5 specific types of chemicals like asbestos and
6 silica, to paradigm shifts. First of all,
7 people spoke -- both raised questions about the
8 sectoral approach and highlighted the need to
9 maintain cross-cutting approaches across
10 sectors. My interpretation is you cut down on
11 the variance if you're only looking at one
12 particular sector, so being able to compare
13 across sectors and look at psychosocial issues,
14 noise, whatever the issues might be that cross
15 sectors.

16 But also there was -- in the hotel industry --
17 a need to actually focus on high hazard
18 industries. So looking at high-risk industries
19 and better understanding both what the hazards
20 are and what are some possible interventions
21 that could be effective.

22 Surveillance in the workplace I already
23 mentioned, and everywhere from monitoring
24 chemicals, looking at workplace surveillance of
25 stress and blood pressure to better reporting

1 of data and data gathering, both at the local
2 and the state levels, as well as the national
3 level.

4 Some of the -- oh, several people mentioned
5 taking a broader approach to looking at the
6 whole health and safety issue, broader than
7 specifically traditional health and safety
8 concerns. In particular, economic issues came
9 up -- the need to look at both the cost to
10 workers and to their lives, and the cost to
11 industry of not implementing safe -- safe
12 technology, safe measures in the workplace.

13 The other economic issue that came up a couple
14 of times was the need to look in a broader way
15 at how workers are affected and socioeconomic
16 factors, the whole concern expressed from -- at
17 the very beginning from Maria Elena Durazo that
18 workers are paid low wages and that is going to
19 have an effect on their health that you can't
20 get around, to academic researchers saying that
21 class and wages and access to healthcare is an
22 integral part of determining how the work and
23 how people's jobs affect their health.

24 Several paradigm shifts were called for. One
25 is -- that ran across -- a cross-cutting theme

1 this morning was the need for community-based
2 participatory research or participatory action
3 research, with a couple of goals. One is
4 involving the affected groups, whether it's
5 workers -- and we heard also from community
6 members so that actually the research that's
7 conducted can be good research. Questions that
8 are asked are not going to give valid data
9 unless they're culturally appropriate, unless
10 the workers and organizations that represent
11 those workers actually help in planning and
12 designing the studies. That came out with
13 respect to agricultural workers, hotel workers
14 and young workers.

15 Secondly, another reason that participatory
16 research is important is that the results need
17 to be disseminated to those affected groups and
18 -- so that they can then, thirdly, make some
19 policy and practice changes. So I heard this
20 morning people speaking on behalf of and in
21 favor of NIOSH's approach, which is research to
22 practice. So making sure that the story that
23 we heard this morning of studies being done,
24 whether it's in the workplace or whether it's
25 in the community, and those people that are

1 most affected never getting those results so
2 that doesn't happen in occupational health and
3 safety research.

4 We heard from young worker representatives who
5 spoke about the value of the guidelines that
6 NIOSH has issued in the past for young workers,
7 and how important it is to make sure that
8 research continues, and that that -- those
9 research and guidelines are then disseminated
10 so workers know both what the results are, but
11 also then how to protect themselves.

12 And then lastly, another reason that the
13 workers needs those results is so that they can
14 actually take that information then to their
15 doctors when they -- to make sure that they're
16 protecting their own health.

17 We heard that research does not do any good
18 unless it leads to some kind of policy change
19 or practice change in the workplace, and that
20 those changes need to be evaluated then under
21 the -- the term that was used several different
22 times was intervention effectiveness research.
23 So looking -- a couple of people mentioned the
24 need to evaluate regulatory mechanisms and
25 enforcement measures, so we heard from BFK

1 Solutions representing manufacturing -- the
2 manufacturing industry that the regulatory
3 approach is not working, doing a chemical-by-
4 chemical approach doesn't work and there needs
5 to be more of a process safety management
6 approach. We heard from immigrant workers that
7 there is no enforcement of workplace
8 regulations, so what is effective as far as
9 actually then enforcing them.

10 I'll just wrap it up then and say that one
11 other -- I guess what could be called a
12 paradigm shift is the need to not just focus on
13 hazards and specific types of changes that are
14 needed, but to look at the workplace itself and
15 the infrastructure and the structure that
16 exists to enhance or to promote workplace
17 health and safety culture, as I believe the
18 expression that was used, in particular look at
19 how can there be better and more effective
20 participation by workers. Joint
21 labor/management health and safety committees
22 is one example. And how do you go -- I believe
23 the expression was -- from trinket-ology to
24 looking at sort of a broader, more
25 comprehensive approach to dealing with

1 workplace health and safety in the workplace
2 instead of just piecemeal.

3 My apologies to anyone whose key point I've
4 forgotten, and I hope that our NIOSH
5 representatives were also taking notes and that
6 you submitted some written testimony, as well.
7 Thank you.

8 **FINAL REMARKS: SID SODERHOLM, NIOSH**

9 **DR. SODERHOLM:** Well, I didn't think it was
10 possible to summarize such a fascinating set of
11 points, but I believe you've done it, Linda.
12 Thank you very much.

13 Let me just take a moment, a few important
14 announcements. One is, in case anyone isn't
15 able to stay through the afternoon, I really
16 appreciate your coming. And I didn't think
17 sitting in one chair for three hours could be a
18 pleasure, but there was so much good
19 information that the time flew by.

20 I was going to announce where the two nearest
21 places are to eat lunch, but they are both
22 closed to a power outage, so we -- I will
23 announce the not-so-close place. I think these
24 maps are going to be more popular than they
25 thought. You might only take one in a group.

1 These maps will show you how to go to the
2 Ackerman Student Union which has many fast food
3 counters, and I think many of -- that now looks
4 like the closest place to get something to eat,
5 unless you had the foresight to bring something
6 with you. So -- and these maps have been out
7 on the front desk and hopefully we can share
8 and have what we need there.

9 Normally we have time to invite people up from
10 the floor who didn't sign up. This morning was
11 very, very full. This afternoon we should have
12 more time, so please stick around, prepare your
13 thoughts and we will have time to invite people
14 up from the audience this afternoon.

15 My final, very important point -- what was it -
16 - oh, that was it. Max, the communications
17 director, is on top of the communication.

18 Thank you, Max.

19 I think, given all here, let's reconvene --
20 let's move our whole schedule 30 minutes late -
21 - later than planned this afternoon. Let's
22 reconvene at 1:45 and hopefully we'll have time
23 to have lunch and not have as much work stress
24 as we might have otherwise. I'll see you this
25 afternoon. Thank you.

1 (Whereupon, a recess was taken from 12:35 p.m.
2 to 2:00 p.m.)

PUBLIC & PRIVATE SERVICES SESSION:
INTRODUCTION TO THE SECTOR APPROACH

3 **DR. UTTERBACK:** Take your seats for the
4 afternoon session. I'm David Utterback. I'm
5 with the National Institute for Occupational
6 Safety and Health. I'd like to welcome you to
7 the afternoon session for this Los Angeles town
8 hall meeting. I'm having a little bit of a
9 technical disconnect between my computer and
10 the projector there, but we'll do our best to
11 work our way through that.

12 My responsibility here this afternoon is to
13 provide you with an overview on the NORA
14 process, a brief summary on the services sector
15 and some of the issues that we face there, and
16 to talk to you about your participation and
17 input. Hopefully that is beginning today and
18 will continue over the next many months.

19 For those of you who were here this morning to
20 hear the remarks of Linda Rosenstock you know
21 that the National Occupational Research Agenda,
22 or NORA, began in 1996 and had over 500
23 stakeholders and potential partners who
24 interacted with NIOSH to identify the 21

1 priority occupational safety and health
2 research areas. The purpose of NORA, the
3 National Occupational Research Agenda, was to
4 try to leverage resources on a focused set of
5 research topics and to work cooperatively, and
6 in many cases collaboratively, with researchers
7 across the country on these 21 priority
8 research areas.

9 The second decade of NORA is going to take a
10 slightly different approach using the sector of
11 the North American Industrial Classification
12 System, or NAICS, to define different sectors
13 where the research will be organized. And the
14 purpose here is not to change dramatically the
15 research that is taking place, but hopefully to
16 have an influence on the other end of the
17 research to practice of getting intervention
18 strategies into the workplace. Industry
19 stakeholders are key to NIOSH being able to
20 recognize and solve, with the help of the
21 partners, the occupational safety and health
22 problems that are out there. Moving research
23 to practice takes partners, and it's -- these
24 partners are organized by sectors within
25 industry and therefore it was decided to use

1 the sector-based approach for this next
2 National Occupational Research Agenda.
3 NIOSH has taken all the many NAICS codes, North
4 American Industrial Classification System
5 codes, and collapsed them down into eight
6 sectors. Each one of these sectors can use a
7 NORA research council, and these will be bodies
8 that are largely external participants,
9 stakeholders and partners who wish to assist
10 NIOSH as we develop strategies and priorities
11 and to assist us and to -- and developing the
12 means of solving some of these problems that
13 exist in the workplace. Each one of these
14 councils will have the opportunity to develop
15 its own separate strategic plan and to make
16 plans to assure that there's funding for the
17 work, to develop the partnerships that are
18 necessary to get it completed, to conduct the
19 research and adopt the successful strategies.
20 The sector research council members can come
21 from a vast array of different organizations
22 and groups, from employers and labor and
23 academics to some of the professional and trade
24 associations, to practitioners, occupational
25 safety and health scientists and researchers.

1 And particularly for the services sector,
2 because the services sector does include
3 government employees at all level, there will
4 be roles for federal, state and local
5 government to participate in this process with
6 NIOSH.

7 The NIOSH role is to promote the process, to
8 provide the infrastructure and the resources
9 necessary to convene meetings, to have people
10 bring their ideas to NIOSH either, you know, at
11 meetings or through web sites or through
12 electronic communications and telephone calls
13 and the like. We also have the responsibility
14 to provide research results to date. Some of
15 those are surveillance data that can help guide
16 and assist in the development of research
17 priorities for the future. And then to support
18 the needs of the research councils, these
19 sector research councils, and to provide for
20 some of the extramural research and training,
21 and allowing partners to have an active role
22 there, as well.

23 How can you participate? Well, first of all,
24 today we are seeking your input and hoping that
25 you can come forward with comments that can

1 help us in understanding what you feel are some
2 of the priority issues for the workplace, in
3 particular this afternoon for the services
4 sector. You can also volunteer to participate
5 on the sector research council, and we hope
6 that many of you will consider doing this. You
7 can do this through the web site that I'll post
8 at the end on the NIOSH home page. And then
9 also we'd like for you to ask your
10 organizations to become involved and to
11 hopefully get fully engaged with NIOSH as this
12 process moves forward, and assist us in
13 developing the best ideas that are available
14 for dealing with hazards that exist in the
15 workplace these days.

16 (Unintelligible) a brief look at the private
17 and public services sector, and this is a very
18 brief look. This is not in any detail at all,
19 but it's just to give you an idea of kind of
20 the breadth of issues that exist here, the
21 populations that are included, and then a
22 little bit about what NIOSH is doing to date
23 with the services sector.

24 These are the service sector codes that exist
25 here from NAICS, and the information, finance,

1 professional and business services are all in
2 the categories from 51 to 56. These are
3 largely not -- but not wholly -- you know,
4 office type work dealing with support,
5 administrative, managerial, finance, insurance
6 type issues for the workers. But also within
7 this group you have real estate, which includes
8 rental and leasing, property management, it
9 gets into a lot of maintenance activities and
10 issues. Likewise the professional -- and
11 business services includes waste management and
12 waste remediation activities, so it's -- it's
13 not sufficient to say that these are largely
14 managerial, administrative and support workers
15 here.

16 Education is the largest sector. That's NAICS
17 code 61. Leisure and hospitality, which
18 includes food services, 71 and 72. We have the
19 other services, which is a sundry list of a
20 variety of different services many of us use
21 very frequently. That's in code 81. And then
22 public administration is largely the
23 governmental sector.

24 Here's some of the larger subsectors and the
25 number of workers associated with each of

1 these. The largest is education with 12
2 million employees. Next comes food and
3 accommodation. Both of these are considered to
4 be fairly rapidly-growing parts of our industry
5 and will continue to include more and more
6 people in the future. Government is thought --
7 you know, it's very large, nine million. About
8 two million of these are federal workers, about
9 another three million are state and about
10 another six million are local. And of course
11 they provide many of the services that we rely
12 on the public entities to provide.
13 Administrative and business is eight million.
14 Professional, scientific and technical, that's
15 another very rapidly-growing field in the U.S.
16 It's at seven million. Finance and insurance
17 is about six million.
18 And here's a pie chart that shows each of the
19 NAICS sectors, starting with information at the
20 top and moving clockwise around through 51,
21 through 56, 61 is education, 71, 72, food and
22 hospitality industry, arts and entertainment
23 and recreation, and then on up to government
24 services, it's -- and the two-digit -- or
25 three-digit in some case -- number is --

1 indicates the millions of workers in each one
2 of those sectors. All told, in the services
3 sectors there's 65 million workers in the
4 United States, and that's essentially 50
5 percent of the working population in the United
6 States.

7 And we need to think about the numbers of
8 workers as we think about priorities and
9 research needs. Some of the larger, more
10 observable impact can be seen in small
11 populations and they merit some attention. But
12 at the other end, you have very large
13 populations that may not have the issues that
14 are so overtly recognizable from surveillance
15 data and the like, but you may have a larger
16 public health impact there by looking at the
17 larger populations.

18 So with the services sector issues -- just,
19 again, this is very brief -- we see that
20 accidents and injuries are prevalent among
21 these populations. And in general it's
22 transportation accidents and violence that are
23 leading causes in each one of these sectors.
24 But there's also a great number of
25 musculoskeletal disorders that are diagnosed in

1 these populations each year. And for adverse
2 exposures, although we have chemical and
3 physical and biological agents that these
4 people work with, there's also a very large
5 work organization and psychosocial and stress-
6 related factors, as we heard from our partners
7 at Irvine this morning.

8 This is a slide that shows the sectors with the
9 largest number of fatalities, and in the first
10 column you can see the name of the sector and
11 the second column is the total number of
12 fatalities that were observed in these sectors
13 in 2003. The 2004 data is out, it just has not
14 been finalized yet and so we'll have that
15 following on fairly shortly. And as you can
16 see, administrative and waste management, waste
17 remediation, has a total of 356 deaths, all the
18 way down to state government with 102.

19 If you look in the next column, that's the
20 number of transportation-related fatalities
21 that occurred. And you can see in some of
22 these sectors it is transportation-related
23 fatalities that make up almost 50 percent of
24 the deaths that are observed. So clearly there
25 are some issues with transportation-related

1 issues in the services sector that can be
2 addressed.

3 The last column on the right, though, shows the
4 number of deaths related to violence. And
5 again you see a different pattern here in that,
6 you know, the majority of deaths in the
7 accommodations and food service industries are
8 from violence. Likewise you see large numbers
9 in other services, as well as in local
10 government. Local government of course
11 includes public safety officials -- police,
12 sheriff's departments and the like. State
13 government includes, you know, the highway
14 patrol and other state officials.

15 This graphic shows the non-fatal injury and
16 illnesses rates within the different sectors.
17 And the first thing I'll note here is that
18 government employees are not here. This is not
19 information that's available through the Bureau
20 of Labor Statistics and the Department of
21 Labor. But as you can see, there's quite a
22 range of numbers here, the low being in
23 finance, the highest being in arts and
24 entertainment and recreation. And the U.S.
25 average is just below five per -- five

1 incidents per 100 workers each year, according
2 to these 2003 and 2004 estimates.

3 When you look a little bit deeper at the data,
4 you see a little bit different pattern in that
5 there are several subsectors that have rates
6 greater than the national average --
7 accommodation, the hotel industry; amusement
8 and recreations, this includes sports arenas
9 and the like, performance arts and spectator
10 sports; and waste management all have rates
11 that are greater than the national average.
12 And then rental and leasing, property
13 management -- you know, landscape maintenance
14 and those types of activities contribute to a
15 relatively high rate in that segment of the
16 services sector.

17 So what is NIOSH doing? Well, we do conduct
18 research by our internal staff, and we do fund
19 and support external scientists as they conduct
20 research at academic institutions and at other
21 organizations and associations, as well. We
22 support a wide variety of projects cutting
23 across services sectors on the occupational
24 safety and health issues, and we collaborate
25 with HHS agencies and other CDC centers. And

1 we have a new emphasis over the last couple of
2 years on research to practice, and this is
3 where stakeholders and partners can really help
4 us in seeing the new discoveries that are made
5 on protecting worker safety and health are
6 actually implemented in the workplace on this
7 research to practice paradigm.

8 We have a large number of research products
9 that we have developed over the years. In
10 addition to, you know, peer-reviewed
11 manuscripts there are a lot of guides, alerts,
12 different documents that we have that assist
13 employers, labor representatives -- you know,
14 other governmental organizations in trying to
15 intervene and prevent occupational safety and
16 health issues from having an impact on a
17 personal level. And as you can see here, this
18 covers a wide array, from reproductive health
19 to silica and silicosis, working with youth --
20 we heard quite a bit about the young workers
21 today and some of the special problems
22 associated with them; stress, violence -- NIOSH
23 has had successful research programs in these
24 areas for many years.

25 I'd ask each of you that, if you have not done

1 it already, to subscribe to the NIOSH e-news.
2 And again, this will come to you automatically
3 every month and it'll help you keep abreast of
4 what's going on in the occupational safety and
5 health arena, not only at NIOSH but, you know,
6 around the globe, actually. You can input your
7 comments about health and safety issues through
8 the web site that's shown here, or you can also
9 go onto that very same web site and volunteer
10 to assist us by being a council member or by
11 being a reviewer of documents that may be
12 developed. We're going to need a lot of help
13 as we move through this process with these
14 different sectors.
15 Of course Sid Soderholm has put up his e-mail
16 address as the NORA coordinator. He welcomes
17 comments that -- or will answer questions that
18 you may have. And then we're having our
19 biennial NORA symposium, April 18th to the
20 20th. That's going to be in Washington, D.C.
21 and I'd like to invite all of you to attend
22 that if you can.
23 Be happy to answer any questions that you have
24 at this time, clarify any issues that I raised.
25 Otherwise, here's the names, address, contact

1 information for Terri Schnorr, who's the
2 manager for the services sector, and for
3 myself. I'm the coordinator for the private
4 and public services sector.

5 Yes, ma'am?

6 **UNIDENTIFIED:** (Off microphone)

7 (Unintelligible) research council

8 (unintelligible)?

9 **UNIDENTIFIED:** Could you repeat the question?

10 **DR. UTTERBACK:** Yes, the question was about
11 resources available to assist people who
12 otherwise could be financially limited in
13 participating on the research councils. Is
14 that correct?

15 Yes, and then we are going -- we definitely
16 know that is a very important consideration.
17 You know, budgets are beyond prediction in a
18 lot of cases, but it is a very high priority
19 for us to ensure that we have broad
20 participation and input, so we realize that
21 funding the travel needs of some individuals is
22 going to be essential for that.

23 Yes, sir?

24 **UNIDENTIFIED:** (Off microphone)

25 (Unintelligible) NORA alert around chemicals

1 used in the hospital setting (unintelligible)
2 generic questions about the NORA alert process
3 (unintelligible) overall program.

4 **DR. UTTERBACK:** Well, as far as I know, the
5 alerts are going to continue to be NIOSH
6 publications in the future. It is a way that
7 NIOSH gets information out very quickly, you
8 know, following an internal review process to
9 get that information out on a variety of
10 issues. But it is kind of issue-driven as to,
11 you know, how many or how frequently they may
12 come out.

13 Anything else?

14 (No responses)

15 Great. Well, thank you so much. Thanks for
16 being here. And again, we look forward to
17 working with you and getting your input as we
18 move forward with this very important process.
19 And this is Terri Schnorr, who's the manager
20 for the services sector and the director for
21 the division for surveillance, hazard
22 evaluation and field studies at NIOSH.

PUBLIC & PRIVATE SERVICES SESSION:

23 **STAKEHOLDER PRESENTATIONS**

24 **MS. SCHNORR:** Welcome to the afternoon session.
25 As Dave said, I'm Terri Schnorr. I'm going to

1 be moderating the session this afternoon. The
2 way the meeting's going to be run this
3 afternoon is pretty much the same way as it was
4 this morning. But for those of you who weren't
5 here, what we'll do is we will -- I will call
6 you up in groups of five to come up to the
7 table, and then when it's your turn please come
8 up to the podium to make your comments and then
9 return to the table, and you can all go back to
10 the -- to the audience together.

11 Another point is to please make your comments
12 as brief as possible. We ask that you keep
13 them under five minutes. We welcome more
14 extensive comments, but if you could please put
15 those in writing and stay to the key points
16 today so that everyone has a chance to speak.
17 Also we have a timekeeper. Laura Caminski is
18 sitting right in front of the podium here and
19 has a nice orange sign, and she will let you
20 know when you have one minute left, 30 seconds
21 left, and then she has a stop sign so she'll be
22 showing that to you.

23 Also if there's anyone who's planning to speak
24 that did not sign in, please go to the front
25 desk so that we can make sure that we have you

1 on the list and we can call your name.

2 And one final thing is the list that you have
3 in the room right now is not exactly the order
4 in which I'm going to be calling names. We did
5 some shuffling in order to accommodate various
6 plane schedules, et cetera. So I just wanted
7 to give you that warning.

8 So with that, I'd like to call the first --

9 **DR. SODERHOLM:** (Off microphone)

10 (Unintelligible) we remind people that written
11 comments (unintelligible).

12 **MS. SCHNORR:** I've been asked to remind people
13 if you have written comments to please give
14 them to Ray here, or give them to the front
15 desk so that we can make sure we include them.
16 So with that, the first panel is Cindy Burt
17 with UCLA Environmental Health and Safety;
18 Cesar Aristeiguieta with California EMS
19 Authority; Catherine Porter with Cal-COSH Legal
20 Services; Rosa Balan* with Westin Hotel; and
21 Denise Peters with Mr. Clean Maintenance.

22 (Pause)

23 Darryl -- Darryl Alexander, do you want to come
24 up, someone -- great. Darryl Alexander with
25 American Federation of Teachers will also join

1 this panel.

2 **MS. BURT:** I'm Cindy Burt. I work at UCLA and
3 I have some areas that I wanted to mention that
4 were a little different than this morning. One
5 area that I have seen problems cropping up
6 across all the sectors that were talked about
7 is the impact of care provision for mothers
8 working in a lot of different industries.
9 We've done work in the past in looking at the
10 lifting injuries, manual materials handling
11 which -- with mothers, but we've not really
12 looked very much at the impact of the stress
13 levels of having child care responsibilities on
14 mothers working in jobs that require a lot of
15 repetitive activity, like data entry and those
16 kinds of things. And I'm seeing enormous
17 amount of injuries in that area, and that would
18 be a good area for future research.
19 To that same area -- I work with children as
20 well, and I would really like to see is to do
21 some studies to see how effective we'd be
22 working with children at younger ages and
23 teaching them basic ergonomic concepts so that
24 they grow up knowing these things and not
25 having to learn them when they enter the

1 workforce.

2 A lot of people talked about workers and
3 workers needing more assistance, needing more
4 training, needing better-designed facilities.
5 We are trying to work here with our designers
6 and our architects, and the people who develop
7 the environments where people work need to have
8 a lot more training. We need to do research in
9 finding out whether they know what they're
10 doing and whether they really incorporate
11 ergonomics -- concepts into the work that they
12 do.

13 One last thing I'd like to mention is we -- we
14 do a lot of training here at UCLA with our
15 workers, and a lot of times it comes to nought
16 because the supervisors are the missing link in
17 terms of reinforcing concepts, understanding
18 concepts, understanding how to manage people,
19 how to deal with workers comp injury without
20 making the worker feel like that he's a
21 criminal. We have a real problem with people
22 using our system, using it effectively and
23 using it without fear. Thanks.

24 **MR. ARISTEIGUIETA:** Good afternoon. Good
25 afternoon, I'm Cesar Aristeiguieta. I'm the

1 director of the California EMS Authority. For
2 those of you who may not know the lingo, EMS
3 stands for Emergency Medical Services, and
4 that's the area of healthcare that encompasses
5 everything before you get to the hospital, so
6 the paramedics, the EMTs, private ambulance
7 companies, fire departments and the like.
8 I'm here speaking on behalf of the National
9 Association of EMS Officials at the request of
10 the President, Bob Bass. I was appointed to my
11 position back in August by Governor
12 Schwarzenegger, and since that time I've had a
13 significant concern for both patient safety as
14 well as worker safety in our field. The two
15 items that I'm going to be speaking of that I
16 believe that require a significant amount of
17 research in this area is the area of worker
18 safety in and about an ambulance, as well as
19 the issue of -- of personal protective
20 equipment for those workers. And let me run
21 you through a couple of scenarios.
22 Riding in an ambulance can be a hazardous
23 environment, both for the person being
24 transported as well as for the workers that are
25 in it. This applies to both helicopter or an

1 aircraft type ambulance as well as to the
2 ground ambulance, and we've seen countless
3 headlines over the past five years or so
4 indicating what a problem this can be. Let me
5 give you some examples.

6 Within ambulances there's poor restraint
7 mechanisms. As you know, a patient lies flat
8 in -- in a cot in an ambulance, but the
9 ambulance is traveling in the same direction as
10 the patient is lying, which means that if you
11 get into a wreck, a front-end collision on the
12 ambulance, the patient's body will continue
13 traveling forward. Although some restraint
14 systems have been designed to try to restrain
15 the patient in that position, they're not being
16 utilized and many of these restraint systems
17 have not been tested in real crash situations.
18 In addition to the patient safety, the worker
19 in the back of the ambulance is also at high
20 risk in many cases. You can imagine a
21 paramedic doing CPR in the back of an
22 ambulance, starting an IV, trying to intubate a
23 patient -- meaning putting a tube down their
24 throat so they can breathe for them. All of
25 these are unrestrained conditions, all of them

1 critical situations which also mean that that
2 ambulance is traveling with red lights and
3 siren at excessive rates of speed and usually
4 through traffic lights and the like. These are
5 very hazardous situations for that occupant in
6 the back of the ambulance, and if an accident
7 occurs they're going to be propelled into the
8 forward compartment of the ambulance, causing
9 severe injuries.

10 As some research that has been done in the area
11 also demonstrates, the helmets that the
12 firefighters wear that operate ambulances are
13 not effective at protecting the head in a motor
14 vehicle collision, so significant research has
15 to go into this area.

16 Weather plays a very important role in traffic
17 safety, as well as helicopter safety
18 operations, and the role of weather and optimal
19 flying and driving conditions needs to be
20 researched further.

21 Mechanical failures, whether it's to an
22 aircraft or to an ambulance traveling 60 miles
23 an hour on the freeway that blows a tire can
24 significantly affect the performance of the
25 ambulance and put the occupants at risk.

1 The back of an ambulance, as you can imagine,
2 has a certain amount of shelves and equipment
3 that is prepared to deliver care to a patient.
4 In the event of a motor vehicle accident, all
5 that equipment becomes projectiles that are
6 pushed forward into the occupants of that
7 ambulance.

8 Finally, ambulance technicians or EMTs and
9 paramedics are continually being exposed to
10 hazardous environments around them. With the
11 fear of terrorist attack, we worry about
12 chemical, biological, radiological or nuclear
13 type of weapons, as well as the typical spills
14 that may happen on the I-5 freeway where a
15 paraquat truck overturns and now the paramedics
16 are exposed to the chemical which can have just
17 as severe reactions as a terrorist attack, but
18 obviously on a smaller scale.

19 With all this in mind, we'd certainly like to
20 propose that more research be done into the
21 construction, design, safety features of
22 ambulances. This is a largely unregulated area
23 at this time, and largely because there is no
24 research that shows what the best practices
25 might be and how to better protect the

1 occupants of the vehicle.

2 In addition to that, California has been the
3 first state in the union to develop some basic
4 standards for personal protective equipment for
5 paramedics and EMTs, and we would like to
6 provide that information to NIOSH and assist
7 them in developing nationwide standards that
8 perhaps can influence where the -- this
9 particular business is headed to.

10 The last thing I would like to say is that this
11 is not just a firefighter type of hazard. In
12 California 73 percent of the fleet of
13 ambulances in the state are run by private
14 ambulance companies. So just because
15 firefighters have breathing apparatuses and
16 helmets and turnout coats doesn't mean that the
17 vast majority of the personnel that are
18 responding to emergencies are protected, and we
19 certainly need to look in the private sector
20 also. Thank you very much.

21 **MS. PORTER:** Hello, my name is Catherine Porter
22 and I work for California Committee on
23 Occupational Safety and Health, or Cal-COSH.
24 Cal-COSH is a non-profit organization that
25 advocates for safety and health within the low-

1 wage worker community. We are a California
2 State Bar-funded legal services support center,
3 which means that we provide information,
4 advocacy, technical assistance to legal aid
5 organizations on occupational safety and health
6 issues to those legal services programs in the
7 state of California.

8 There are 77 legal services programs in
9 California, and those programs represent,
10 assist and advocate for low income and
11 immigrant workers and non-workers. They
12 provide assistance on a broad range of legal
13 issues. Approximately 1.4 million Californians
14 work at or near minimum wage, and the majority
15 of those are full-time workers. In California
16 the minimum wage is \$6.75, which over a year --
17 if you do the math, working 40 hours a week --
18 brings in a grand total of \$14,000.40. So you
19 can see that there are a lot of workers that
20 legal services programs assist. And
21 unfortunately there are a lot of workers work
22 at poverty or below level.

23 Legal services programs generally have
24 financial eligibility requirements at one to
25 two times the poverty level, and so again, this

1 is what I was saying about their constituency
2 is a very low income to poverty level
3 clientele, including workers who are working
4 full-time. The low-wage workers in California
5 served at legal aid centers come from a wide
6 range of industries including garment,
7 janitorial, domestic, bakery, child care,
8 restaurant, hotel, dry cleaning, construction
9 and retail and carwash. And you heard some
10 testimony or input about some of those
11 industries including household domestic or
12 hotel workers.

13 Wage and hour issues take predominance at legal
14 services programs, such as unpaid wages, non-
15 payment of overtime or minimum wage, mis-
16 classification of employees as independent
17 contractors, failure to provide meal or rest
18 breaks -- and that's just to name a few. And
19 these in turn can impact greatly worker health
20 and safety.

21 Many low-wage workers are exposed to a range of
22 safety and health hazards including chemical
23 hazards, violence in the workplace and
24 economics issues. And yet many of those
25 occupations or subsets of occupations are

1 either inadequately protected or not protected
2 at all by occupational and safety health laws
3 or by workers compensation in the state of
4 California.

5 Today I'd like to focus on what I'm referring
6 to as four cleaning occupations in the state of
7 California, and they are, again, a
8 predominantly low-wage workforce, and that
9 includes janitors, maids -- either working at
10 hotels or working at private homes, dry
11 cleaning workers and carwash workers. And
12 these workers, not even counting the carwash
13 workers because I couldn't find any statistics
14 in regard to them, number approximately 332,000
15 in California. And that's one-quarter of the
16 low-wage workers in California. And whoever is
17 from Los Angeles, you probably are aware that -
18 - of how many car washes there are in Los
19 Angeles, and similarly in the urban areas of
20 the Bay area, probably down in San Diego. So
21 that's a huge sector of population also.
22 Some of the work conditions that those sectors
23 are exposed to include -- for instance, with
24 janitors -- chemical exposures from cleaning
25 and waxing products, from dust; ergonomic

1 issues such as bending, stretching, stooping
2 and kneeling; and they're often working at
3 night and working alone.

4 Maids and housekeeping cleaners, including
5 those at hospitals and lodgings and at private
6 residences, similarly have chemical exposures,
7 ergonomic issues, insufficient protective
8 equipment. Their wages are usually from the
9 mid-\$7.50 to \$10.50, averaging about \$9.47.
10 And the wages of janitors are pretty
11 comparable, maybe slightly higher, especially
12 if they're part of a union.

13 Oh, 30 seconds -- carwash workers and dry
14 cleaner workers are also exposed to a wide
15 range of chemicals and ergonomic issues. So
16 obviously I didn't time this before I came here
17 today and I should have.

18 So the research areas that we are asking for
19 are in areas to bolster policy -- policy goals,
20 which include improving wage and hour laws to -
21 - by there -- therefore improving health and
22 safety on the job, and to also impact and
23 improve policy around setting workplace
24 chemical exposure levels.

25 So -- just 15 seconds more. So we'd like

1 research to be done on the chemicals to which
2 these workers are exposed, the health effects
3 of those chemicals, the real costs of those
4 exposures due to chronic illness including lost
5 wages, education and rehabilitation,
6 hospitalization and other medical costs. And
7 also the same sort of research and compilation
8 of information in regard to other health and
9 safety hazards.

10 We'd also like information on how violation of
11 workplace wage and hour laws impacts health and
12 safety and -- well, thank you.

13 **MS. PETERS:** My name is Denise Peters and I'm
14 with Mr. Clean Maintenance Systems, and I
15 didn't actually plan to speak today. But I
16 would like to say that I agree with most of the
17 things that you just said. Those are all
18 issues that we have with our janitors, as well.
19 It is a tough situation to be in, employing
20 janitors, because they are in a low-wage
21 position and they are spread out. They don't
22 usually all work together in one place -- at
23 least not in our circumstance -- and it's very
24 difficult many times to be able to communicate
25 well with them on the issues of health and

1 safety. So I think, as a corporation, while
2 we're trying to really promote health and
3 safety in our workplace, we are finding that
4 there are issues that we're struggling with in
5 workers taking personal responsibility for
6 their own health and safety, and that is an
7 area that we would certainly like to see some
8 research done in.

9 Additional issues that we see that definitely
10 affect health and safety in our workplace are
11 the underground economy and the competition
12 with that, how it limits our dollars to be able
13 to help our employees or our workers. Because
14 of the underground economy we have pressure
15 with being able to compete and get enough
16 dollars to include a healthcare package for our
17 people, which is something that we'd like to be
18 able to do. However, if that's something that
19 we could look at as far as research, how can --
20 improving that situation, how that can improve
21 workers' general healthcare and safety would be
22 a real good thing for us. Thank you.

23 **MS. ALEXANDER:** Good afternoon. I want to
24 thank NIOSH for inviting me back. I was one of
25 those 500 correspondents that they used in

1 1996, and I have four basic recommendations
2 that I want to bring to NIOSH on the education
3 sector. I am the director of health and safety
4 for the American Federation of Teachers.
5 Before I make those four recommendations, I
6 just want to preface my remarks with a few
7 observations. Interestingly enough, NIOSH has
8 been in more schools in this country than any
9 other federal agency. They have responded to
10 requests for HHEs and I'm very -- very, you
11 know, heartened that NIOSH chose to go in and
12 look at primarily indoor air quality issues in
13 schools.
14 The second observation I want to make is that a
15 school is children's workplace, and you know,
16 believe it or not, children do not have any
17 statutory right to a health and safety school
18 given by anybody -- locally, federally or
19 anything. And I would really like to see NIOSH
20 be given a broadened mandate so that when they
21 do go into schools they can look at the impact
22 of conditions on children, as well.
23 And last but not least, I want to really say
24 that schools are very complex industries.
25 They're more than teachers. I really -- I

1 think people generally just think that teachers
2 are a synonym for schools, but there are all
3 kinds of work -- workers there, all kinds of
4 activities. And schools are becoming the most
5 densely populated institution, aside from maybe
6 prisons and jails, in our society. And in case
7 you didn't know it, the schools are undergoing
8 a historic growth that's not supposed to
9 plateau until 2009, and maybe beyond. They're
10 extremely crowded, and I don't know if any of
11 you have kids -- anybody have kids in schools?
12 You've been in the hallways when they're
13 changing classes or in the cafeteria? The
14 noise is incredible.
15 Anyway, here are my four recommendations.
16 First of all, I think that education needs to
17 be considered its own sector. It's somewhat
18 like how NIOSH and health and safety people
19 looked at healthcare back in the '70s. They
20 sort of made all these assumptions about
21 hospitals and healthcare facilities being safe.
22 And lo and behold, they began to understand
23 that's not the case. We don't really have any
24 data or any surveillance that's useful. BLS
25 has very incomplete data on the education

1 sector, so we need a way of doing surveillance
2 for this sector that's meaningful. A lot of
3 work-related conditions never get reported --
4 like voice disorders, bladder infections,
5 asthma -- which is really on the rise among
6 many workers.

7 Number two -- maybe in -- by 2016 we'll have
8 them as their own subsector. Anyway, we really
9 need partnerships. NIOSH is such a tiny force
10 for good in doing research in health and
11 safety, but they aren't the big money-bags.
12 And if we're looking at education, we need to
13 really recruit a lot of partners, like
14 insurance companies for instance, who are
15 paying for the healthcare of these people for
16 work-related illnesses. We need people like,
17 for instance, infectious disease people to come
18 and partner with NIOSH. NIOSH can really, for
19 instance, characterize exposures better than
20 any other agency, probably, in the -- in the
21 federal government. And infectious disease
22 people don't know this, but they really do need
23 NIOSH to tell them about how these agents are
24 transmitted in the workplace.

25 Number three, we need partnerships -- oh,

1 excuse me, we need intervention and
2 demonstration projects. And again I'll look at
3 the whole communicable disease issue as an
4 example. We know from some little titillating
5 research that many pathogens like rhinoviruses
6 can be found in ventilation systems. We don't
7 have a clue what the ventilation rate should be
8 in a very highly dense population like a school
9 to really protect everybody, the students and
10 the staff. So we need the building scientists
11 working with NIOSH and everybody else and doing
12 this.

13 And then fourth, I would say that we need to
14 have some policy research that shows how
15 effective regulatory and other policies are at
16 really protecting people. It really surprises
17 me that we have not looked at the hero* law and
18 other laws to see if they have been effective
19 at protecting workers -- also OSHA regulations.
20 One last thing is that I will be submitting a
21 review article which will give me -- give NIOSH
22 my entire laundry list of all the hazards found
23 in the education sector, and I look forward to
24 working with the agency. Our organization will
25 be happy to cooperate in any way we can to help

1 NIOSH pursue research in education.

2 **MS. SCHNORR:** Thank you, panel one. Please
3 take the opportunity, too, as we change panels,
4 to stand up and stretch or whatever as we do
5 this.

6 The -- panel number two, Ms. Rosa Balan of
7 Westin Hotel; Dr. Shane Que Hee of UCLA Center
8 for Occupational and Environmental Health; Bill
9 Meyer of Plumbers and Fitters UA Local 393;
10 Margarita Ramos from Century Plaza Hotel; and
11 Mary Gene Ryan of M.G. Ryan & Company.

12 (Pause)

13 And Ms. Balan, if you'd go first.

14 (Whereupon, the following presentation was made
15 through the use of an interpreter. Where
16 presenter and interpreter were speaking
17 simultaneously, separation of the two was
18 difficult. This transcription represents the
19 best effort of the reporter.)

20 **MS. BALAN:** Good afternoon, everybody. My name
21 is Rosa Balan. I work at the Westin layers
22 (sic). I've been working there for 30 years.
23 I work at night. I am a housekeeper there. I
24 also take care of other duties, as well. I
25 pick up the linen. I pick up the trash of ten

1 floors. Not only that, I clean meeting rooms,
2 31 of them. After that I go to the offices,
3 pick up the trash there. Once I'm done, I
4 clean the housekeeping department. But now I
5 am disabled.

6 The work there is very hard. The beds and
7 mattresses are very, very heavy. Mattresses
8 are about 35 to 40 pounds in weight. I have to
9 lift them with one hand at times.

10 Right now I'm in a very difficult situation.
11 I'm waiting to be -- to have four surgeries.
12 The money I'm being compensated with is not
13 enough for anything. It's only enough for
14 rent.

15 I got injured on June 17th trying to lift a 75
16 to 80-pound bag. On July 4th I had a
17 miscarriage. That was a big hope of mine, to
18 have my baby. I lost him. I lost my job. I
19 am not working right now. I don't have money,
20 I don't have anything to offer my children. It
21 is very difficult as a parent when -- when your
22 children come to you and ask you to take them
23 somewhere, and not be able to provide them with
24 that.

25 I'm on very heavy, strong medication. I'm on

1 morphine, pain killers, very strong pain
2 killers. We are not safe at work. Sometimes
3 we don't have enough cleaning products. We use
4 dishwashing products. Most of the female
5 workers at my workplace are ill. They are
6 injured or disabled, but they're unable to
7 speak up because they are afraid to lose their
8 jobs.

9 Thank you. We are here because we need your
10 help, and we want your help. We need your
11 support. Thank you very much.

12 **DR. HEE:** Good afternoon. I'm Shane Que Hee,
13 professor of environmental health sciences in
14 the UCLA School of Public Health. I'm also a
15 member of the UCLA Center for Occupational and
16 Environmental Health. I'm also a member of the
17 NIOSH Education and Research Center of Southern
18 California. I also served a term on the NIOSH
19 Board of Scientific Counselors from 2001 to
20 2004. On behalf of the Southern California
21 ERC, we thank NIOSH for their past and present
22 support in training industrial and
23 environmental hygienists so as to achieve
24 health and safety in the workplace.
25 We graduate about five to six masters --

1 professional masters -- professionals per year,
2 plus a doctorate about every three years. We
3 like to think of ourselves as a leader in the
4 industrial and environmental hygiene profession
5 nationwide, and also here in southern
6 California, hence our contribution to the
7 current NIOSH town hall.

8 Most of our students come from southern
9 California, but we also do needs assessments so
10 that we can know how to serve southern
11 California better. Many of our graduates also
12 stay in southern California. We want to be
13 part of any solution to problems in our
14 southern California community, and not be part
15 of a problem. This is another reason for why
16 we are here.

17 We know that NIOSH funding and support is a
18 essential part to the existence of the ERC. We
19 want the U.S. government to continue supporting
20 NIOSH's efforts to produce leaders in the
21 industrial and environmental hygiene community.

22 I would like to see NIOSH's efforts to be
23 expanded even more than current in southern
24 California.

25 Why is such a NIOSH presence needed in southern

1 California?

2 Well, there are over 15 million people here,
3 with many diverse industries and workplaces, an
4 ideal laboratory for research and training.

5 There are many hazards -- chemical, physical,
6 psychosocial, ergonomic and biological -- that
7 need research and monitoring. There are many
8 diverse communities that require specialized
9 help. There are many sweatshop conditions
10 where health and safety are secondary, and even
11 tertiary. We, as an ERC, have only scratched
12 the surface of these problems.

13 In fact, NIOSH should really think of
14 establishing a research center here to
15 complement that in Spokane, which is the only
16 NIOSH center west of the Mississippi. Such a
17 center could then make more systematic
18 investigations of health and safety in
19 California than currently done by us, who are
20 all dependent on research grants which are
21 becoming increasingly hard to come by. Our ERC
22 would benefit also by the proximity of such a
23 center.

24 I welcome and encourage NIOSH to be less
25 focused on locations east of the Mississippi

1 for their specialist research centers, and to
2 address community health and safety problems as
3 a major focus in the National Occupational
4 Research Agenda.

5 With regard to the latter, the 8-sector
6 approach has one problem. There needs to be an
7 integrated approach to all simultaneously
8 rather than a piecemeal approach at the current
9 NIOSH centers and ERCs. The best way to tackle
10 these research sectors is to base centers and
11 ERCs in areas where all sectors are present and
12 where the interactions amongst the various
13 sectors can be investigated since the whole is
14 often greater than the parts.

15 Southern California has all of these sectors,
16 and Los Angeles or its environs would make a
17 wonderful base and center for a NORA multi- and
18 inter-sector research center. Thank you.

19 (Whereupon, the following presentation was made
20 through the use of an interpreter. Where
21 presenter and interpreter were speaking
22 simultaneously, separation of the two was
23 difficult. This transcription represents the
24 best effort of the reporter.)

25 **MS. RAMOS:** (Unintelligible) to everybody here.

1 My name is Margarita Ramos, I work as
2 housekeeper for 17 years at the Century Plaza.
3 I have three beautiful sons who depend on me
4 (unintelligible) for belonging to hotel where
5 we have a union (unintelligible) so that the
6 managers of this hotel do not abuse us.
7 How do they abuse us? They give us extra work.
8 They do not respect us. We work very hard as
9 housekeepers. We have to take care of about 20
10 to 25 beds daily. We list to 25 to 30 mattress
11 units on a daily basis. Just (unintelligible)
12 it's 40 to 45 pounds (unintelligible).
13 Sometimes we feel very pressured and we only
14 get injured. I have two torn ligaments in my
15 knees. Many times it is very difficult to go
16 through my assignment of 15 rooms. As
17 housekeepers we need to have a lighter
18 (unintelligible) working conditions. We need
19 to go home and take care of our children, as
20 well.
21 What we would like is to work harmoniously so
22 that our guests come back to our hotel. I
23 would like to take the opportunity to be part
24 of this panel to make you aware that as female
25 workers to be around our children and our

1 children's education. Ten years ago my husband
2 and I decided to purchase our home, to have a
3 car, but this means that my husband and I have
4 to hold two jobs, each one of us and to allow -
5 - we are happy with our three children, but
6 we've gone through many hardships, many
7 illnesses, because at the end of the day I have
8 back pain and my knees hurt, as well. My
9 children take turns to give me a massage so
10 that I'm able to go work the next day. And
11 that is why that I would like to take this
12 opportunity to ask for your help so that you
13 can help us female workers to live a harmonious
14 life. Thank you very much.

15 **MR. MEYER:** Good afternoon. My name is Bill
16 Meyer. I've been in (unintelligible) Piping
17 Trades, Plumbers and Steamfitters Local 393 for
18 the last 25 years. Also I've served as a
19 authorized OSHA instructor for Cal and Fed OSHA
20 at our pipe trades training center in San Jose,
21 and at this point I'm about closing out my
22 first year in office as a business manager of
23 the Plumbers and Steamfitters Local.
24 In the 25 years I've been in the trade I've
25 been routinely subjected to unregulated

1 exposures of regulated hazardous substances,
2 items such as silica dust, which a fellow
3 brother brought up earlier this morning, noting
4 that when he went in after having lung damage,
5 he was unaware -- at least the doctors told him
6 they were unaware of the hazards of silica
7 dust. Yet in my possession at home from 1935 I
8 have a video done by the U.S. Department of
9 Labor -- in fact, Ms. Perkins, who the
10 Department of Labor building is named after, is
11 in this videotape. And it was very profound,
12 having worked in the field for 25 years and
13 then all of a sudden becoming aware of these
14 71-year-old issues as we speak to date. And
15 just myself out in the field working a year ago
16 battling these issues, working at a brand new
17 hospital facility in Santa Clara, California,
18 we are breathing silica dust like a vacuum
19 should be sucking it in. However, sadly it's
20 our lungs instead of a HEPA filter.
21 Weld fumes, PVC glues and primers -- I'm up in
22 silicon valley so we're dealing with intel,
23 HPs, we're dealing all the semi-conductor
24 facilities, on top of the hazards we encounter
25 in that environment, as well as biotech

1 facilities. But all it really takes is a
2 concrete building to generate these hazards.
3 And it was extremely profound when I realized
4 that crystalline silica dust is listed as the
5 same degree of hazard as asbestos
6 (unintelligible) International Agency for
7 Research on Cancer.
8 As a (unintelligible) instructor of both
9 federal and Cal-OSHA training courses, I have
10 become thoroughly aware of the laws and
11 regulations governing workplace health hazard
12 exposures, as well as the medical studies which
13 reveal that we're losing an estimated 28 human
14 lives each and every day in California just to
15 totally preventable disease. We lose over
16 60,000 per year in the U.S. from occupational
17 disease. And having become aware of California
18 Labor Code, as well as Cal-OSHA regulations in
19 my period of time teaching, as well as being
20 subjected to them on a daily basis out in the
21 field, I did move at one point to have Cal-OSHA
22 enforce some laws for me, only to have received
23 a very thoroughly unproductive response,
24 including words such as "do nothing, blow the
25 guy off." The reason I bring that up to you

1 was not because I want any kind of profound
2 response from that, but we are dealing with a
3 systemic problem per my observations of being
4 in the field for 25 years, also teaching on the
5 subject matter.

6 On first, second and third blush, how do you do
7 this job correctly? I mean how do you actually
8 ask employers to do this job in a proper manner
9 where it's going to cost dollars? And per
10 NORA's own graph on the web site, you have the
11 -- indicating the \$171 billion burden that's
12 estimated to be on our society a year from
13 injury and illness, and of course they compare
14 that on this graph with the monetary burden of
15 AIDS, Alzheimer's and circulatory disease
16 whereby the graph equates to the cost of injury
17 and illness on American workforce is five times
18 greater than AIDS, more costly than heart
19 disease and equal to the cost of all cancer on
20 our society.

21 And with that, what I ask and what I would hope
22 that we can do in the research mode is not only
23 do the wonderful job we're doing to research
24 the hazards, but to try to come up with the
25 means and a mechanism that we can actually

1 allow our enforcement communities to move
2 forward and do this job where, per my
3 observations, we're spending ten times more to
4 do this job incorrectly rather than correctly.
5 So what I do, once again -- in our -- in our
6 environment in Santa Clara County we have
7 adopted many ordinances dealing with biotech
8 and semi-conductor, and one of them was how to
9 pipe the arcene* and phosphine, all these
10 hazardous gases that we used to just put
11 together in the '80s with compression fittings,
12 pretty much a mechanical fitting. We moved
13 over to welded systems, double-contained
14 systems. We've really raised the bar in that
15 area. However, I can tell you the one spot
16 that we need serious assistance with is how to
17 enforce and how to implement the regulations
18 and laws 'cause in my eight years of teaching
19 I've learned most all the laws and regulations
20 are already on the books. It's just we have
21 this severe disconnect, especially when it
22 comes down to the chronic, long-term disabling
23 diseases. Thank you very much.

24 **MS. RYAN:** Good afternoon, I'm Mary Gene Ryan
25 and I'm a health and safety consultant, and I

1 work privately. But I also work with clients
2 in the public sector and in the private sector
3 in all the occupations that have been mentioned
4 today. One of the things I want to concentrate
5 on today -- or to touch base on is ergonomics,
6 but I also wanted to touch base on a couple of
7 other issues. As has been eloquently stated,
8 we have laws on the books that aren't really
9 being followed. And our people, as has already
10 been stated, are still getting hurt on the job.
11 We really do need to have an action plan, and I
12 believe NORA can -- can, as a research arm,
13 begin to look at an over-arching action plan to
14 address intervention and to do the research
15 now, as you have on your initiative to actually
16 demonstrate that interventions work.

17 To go back to ergonomics, as was stated earlier
18 by several people, we need to start at a very
19 young age. How many in here know what neutral
20 back posture is, who could stand up and say I'm
21 standing in a neutral posture? Who knows what
22 neutral arm and hand postures are? And if I'm
23 going to make a bed, as a housekeeper, am I
24 doing it in the most neutral posture? We need
25 to know what those postures are and our

1 workforce needs to know what they are and we
2 need to learn them at a very young age. Just
3 like we learn to brush our teeth, we need to
4 learn to stand in a neutral posture and we need
5 to use our hands in neutral postures.
6 Our technology's advancing so fast that our
7 children now are becoming -- are being placed,
8 as one of the educators had mentioned, in
9 positions of non-neutral posture when they sit
10 in school and work on our computer systems that
11 we now have in school. We're not in the most
12 ergonomic setting for that student, nor for our
13 employees. I still find employers that do not
14 have chairs that fit their employees. And if
15 we can't even get a chair to fit an individual,
16 then how do we expect them to stay in neutral
17 postures and know what they are?
18 We also need to educate our force on what good
19 work practices are. We've heard today from
20 many of our service-connected employees that
21 they work alone, and maybe the work practice
22 should change to a buddy system so that I do
23 have the availability of help to do work, or
24 that I can share my workload. If I have 15
25 rooms I need to clean and another person has 15

1 rooms, maybe we can work together and get them
2 done differently in a better work practice.
3 But again, it's getting to the -- changing our
4 focus and having a wider vision.

5 What I would recommend is, from an ergonomic
6 standpoint, that we look at the hazards that --
7 we already know what the hazards are. We know
8 what the risks are. But we need to classify
9 them for each particular job task, and we need
10 to give that information to employers and to
11 the employees so that they can use the tools
12 that we already have available. And we need to
13 measure what really works because we have some
14 guidelines that are out there, and as an
15 individual that does ergonomic evaluations,
16 we're not positive that everything that we are
17 recommending really is the answer. And it's
18 not the answer if we can't get the employee to
19 move. And in essence, our jobs need to include
20 movement.

21 Two other items I wanted to address are
22 respiratory protection -- our EMS
23 representative mentioned some issues with
24 respiratory protection, but our firefighters
25 here in this area, especially in Ventura County

1 where I am from, we have a lot of wildland
2 firefighting, and we still have not come up
3 with -- I know Lawrence Livermore is looking at
4 respiratory protection for wildland
5 firefighting, but we do not have a solution yet
6 for that problem.

7 And we need to stay ahead of the potential
8 threats for communicable disease, such as
9 already was mentioned with the up and coming
10 threat of avian flu and any of the new -- newer
11 pandemic issues. As we urbanize our rural
12 areas, we are now finding that we're bringing
13 threats to the human side of the house that
14 used to be in the animal side of the house.
15 From a nanotechnology area, as we get into
16 clean areas and we ask people to stay in a
17 clean environment, we limit their ability to
18 take breaks and to get hydrated, and we
19 increase the heat stress that we can have.
20 Thank you.

21 **MS. SCHNORR:** Our third panel will be Aurelio
22 Gomes of UCM; Barbara Materna of the California
23 Department of Health Services; June Fisher,
24 Trauma Foundation; Maribel Barrenechea, UNITE
25 HERE Local 11; and Jessica Barcellona of SEIU-

1 UHW Joint Employer Education Fund.

2 **DR. GOMES:** Good afternoon. My name is Aurelio
3 Gomes, and for the past five years I have been
4 an associate professor of clinical epidemiology
5 in the Medical School of the Catholic
6 University of Mozambique in East Africa and
7 director of the HIV/AIDS Research Center.
8 My research focus is on AIDS, and with support
9 from US-NIH I recently instituted the first
10 rural HIV/AIDS clinic in Mozambique, in
11 collaboration with UCLA and Pittsburgh. The
12 clinic is located in Mangunde at a remote rural
13 Catholic Mission. I have also worked in Beira
14 City in Mozambique at an urban HIV/AIDS clinic
15 developed by Sant'Egidio, a volunteer Italian
16 lay organization which was the pioneer clinic
17 to deliver antiretroviral drugs in central
18 Mozambique.

19 Today a major topic is about scaling up HIV
20 treatment in Africa. As this audience knows,
21 the U.S. government allocated \$15 billion over
22 five years to fight AIDS in developing
23 countries under the program called PEPFAR, the
24 President's Emergency Plan for AIDS Relief.
25 Such program will only be effective if health

1 care workers -- if there are health care
2 workers that can provide the treatment.
3 For those in the field, there is however a
4 phenomenon that can jeopardize this effort, the
5 increased care by health care workers of
6 contracting HIV and hepatitis, as well as other
7 infections to which they are exposed, such as
8 tuberculosis.

9 The question still not answered is this: Is it
10 ethical to ask a health worker to sacrifice his
11 or her life to save other people's life? This
12 is a question I got from one of the health
13 workers in HIV clinic which was treating
14 patients with outdated equipment, such as glass
15 syringes.

16 With help from TDICT Project that you'll hear
17 of later from Dr. Fisher, we introduced on a
18 limited basis safer devices supplied by some
19 manufacturers which were tested in our
20 environment. Sadly, a lot of these devices
21 were even known by health workers, and the few
22 that they -- that were known certainly were not
23 available for them. The health workers are
24 enthusiastic and identified some issues that
25 were culturally and environmentally relevant to

1 them, based on their work experience and needs.
2 This was particularly important for those
3 working in home care. Just imagine having to
4 provide care to someone laying on the dirty
5 floor usually.

6 Policy makers often argue that cost is a
7 limiting factor. However, anecdotal evidence
8 shows that the costs of many of these outdated
9 device are probably more expensive than those
10 that are newer because they are considered
11 custom-made. Yet they are still being ordered
12 by government.

13 Today it has been recognized that providing
14 manpower to staff these clinics has been
15 severely hampered either by deaths due to HIV
16 or by those deserting the health sector. To
17 deliver proper care, and in particular
18 antiretroviral drugs, it is critical that
19 healthcare workers be provided with proper
20 occupational health programs so they can remain
21 in health sector.

22 We would -- I would encourage NIOSH,
23 specifically when there is U.S. government
24 funds available or involved, to be more
25 intrusive and even take control of occupational

1 health issues in international funding that
2 targets activities that are risky to health
3 workers in developing world through a
4 systematic approach that includes an assessment
5 of the actual condition and mandatory
6 guidelines for such programs to effectively
7 include higher health and occupational
8 standards in their -- in their programs.
9 We would also encourage the medical device
10 industry to bore attentive to the cultural
11 values in developing countries where
12 environmental factors can be an adverse impact
13 on the use of devices tested only in U.S. or
14 other developed countries. Thank you.

15 **MS. MATERNA:** Good afternoon. I'm -- I
16 represent -- I'm Barbara Materna and I
17 represent the occupational health branch in the
18 California Department of Health Services.
19 We're a non-regulatory public health program
20 that conducts research and provides services to
21 prevent injury and illness among California
22 workers. My written comments will provide a
23 little more information about what our program
24 has done, much of it with NIOSH support through
25 the years. It also covers some of the

1 characteristics of the California workforce
2 that pose unique challenges to doing health and
3 safety to serve the needs of all of our
4 workers.

5 But in the interest of time, I'm going to jump
6 right to my recommendations, which fall under
7 two basic categories.

8 First, we recommend that NIOSH consider the
9 following priorities for the next decade of
10 NORA. First to place special attention on
11 supporting research and other activities that
12 will improve working conditions for low-wage
13 immigrant and under-served workers, which
14 you've heard about for several hours already
15 today, and I support all of my -- the speakers
16 that have preceded me. These workers are found
17 in large numbers in the services sector, as
18 well as in other sectors that are high-hazard
19 and significant in California, including
20 agriculture and construction.

21 NIOSH should support and promote efforts that
22 determine the most effective ways to provide
23 health and safety information and training that
24 is appropriate to the languages, cultures and
25 literacy levels in our workforce in California.

1 NIOSH should also support efforts that develop
2 effective interventions for preventing and
3 reducing musculoskeletal disorders, which are a
4 major contributor to workers comp costs and
5 cause of lost work days and disabilities, which
6 often in many cases go unreported and
7 uncompensated.

8 NIOSH should support efforts to disseminate
9 available information that can be used to
10 improve working conditions such as hazard
11 information, research findings and best
12 practices, and particularly to reach the large
13 numbers of small businesses and their diverse
14 workers.

15 NIOSH should support efforts that involve
16 partnerships between occupational health
17 professionals and researchers in community-
18 based and labor organizations that have special
19 access to these workers and knowledge of their
20 needs.

21 And finally, NIOSH should support efforts to
22 determine how to best address health and safety
23 within the context of other important problems
24 and issues that these workers face. For
25 example, language barriers, poverty, working

1 long hours and multiple jobs, limited
2 education, lack of access to healthcare and
3 permanent employment, exploitation and all the
4 other life stressors that you've heard many
5 others speak eloquently about today.
6 And the other area of recommendations that we
7 have for NIOSH are that NIOSH should enhance
8 and expand partnerships between NIOSH and state
9 public health departments for conducting
10 occupational injury and illness surveillance
11 and intervention activities, and to assist in
12 translating materials and research findings
13 into safer workplaces and work practices in our
14 workplaces, in line with NIOSH's R2P, Research
15 to Practice, initiative. Health departments
16 are uniquely positioned to carry out these
17 efforts. For example, we have legal right of
18 access to workplaces to carry out public health
19 investigations. We have statutory access to
20 unique data sources that can be used for
21 conducting epidemiologic analysis and case
22 follow-up investigations. We're part of the
23 state's public health infrastructure and have
24 useful ties to colleagues in communicable and
25 chronic disease control, environmental health,

1 family health and health through services
2 delivery. We have existing relationships with
3 local partners, which include trade
4 associations, unions, community-based
5 organizations, health professional
6 organizations and local health departments.
7 And we have a long history of collaborating
8 with other states and NIOSH to share
9 information and experience and promote a
10 growing network of state-based programs to
11 prevent occupational injury and illness.
12 NIOSH support, collaboration and technical
13 assistance has been critical to many of these
14 state-based activities, and we have been
15 successful in encouraging more states to expand
16 their efforts in this important area of public
17 health. So therefore we recommend that NIOSH
18 increase the total amount of funding for
19 activities conducted by state public health
20 departments, provide enhanced funding for
21 projects that involve developing and
22 implementing interventions, support proposed
23 partnerships that allow states to work with
24 stakeholder groups to address health and safety
25 issues identified in participatory group

1 processes such as the Build Safe California
2 construction industry training effort that was
3 funded through a NIOSH core surveillance
4 agreement. And finally, to partner with states
5 on efforts that involve widespread
6 dissemination of research findings and adoption
7 of the best health and safety practices into
8 our state's workplaces. Thank you very much
9 for the opportunity to provide input.

10 **DR. FISHER:** I am -- can you hear me? I am
11 June Fisher, an occupational health physician
12 and former lecturer in engineering. I'm also a
13 member of the current NORA infectious disease
14 group. I have been involved in participatory
15 research for -- with healthcare workers and
16 urban bus drivers for almost 30 years. Today I
17 will talk briefly about a user-based design in
18 occupational health and safety giving voice to
19 worker expertise. And I think we've heard
20 about the need for training workers and this --
21 what I'll talk about will be...

22 But we hear a lot about user-based design, and
23 most common we hear about it in the development
24 of software and that -- this is typical of --
25 way it's being used, at the very end you'll

1 beta* test something. That's too late.
2 Workers need to be involved in all aspects of
3 design development. That is including need-
4 finding, the whole process of prototyping and
5 going through the design and giving input to
6 the design of really what they need, and to
7 evaluate and select devices. In order to do
8 this, you need to have some skills and training
9 on both sides, the people who are bringing the
10 technical expertise of design and the people
11 who are bring the expertise and knowledge about
12 their own work.

13 I would like to briefly discuss a NIOSH-funded
14 project that I have been involved with for the
15 past 16 years, which may illustrate some of
16 these aspects. The project is a user-based
17 collaboration of frontline healthcare workers,
18 industrial hygienists and product designers,
19 mostly -- the later two are mostly graduate
20 students 'cause we were not well-funded. The
21 frontline healthcare workers are primarily from
22 San Francisco General Hospital, but healthcare
23 workers from many other regions in the U.S. and
24 Africa have been involved with the project.
25 The project began before devices to protect

1 healthcare workers from exposure to blood were
2 available, and this was a demand that our union
3 at our -- my hospital made when they did not
4 exist. It was not the occupational health
5 people or the physicians at the hospital. It
6 was the line healthcare workers were saying why
7 don't we have safer devices, and there was
8 stimulus for this project. And its mission is
9 to promote the development and use of
10 appropriate, safer medical devices to prevent
11 such exposures.

12 The initial emphasis of this user-based
13 collaboration was the training of the
14 industrial hygienists and product design
15 engineers to understand in depth the
16 complexities of providing healthcare. That's
17 critical. If you're going to design, you'd
18 better know what you're designing for, and that
19 doesn't happen very often. This was
20 accomplished by observational studies, focus
21 groups, joint brainstorming and -- most
22 important -- intense mentoring by the frontline
23 healthcare providers. The industrial
24 hygienists and engineers were really nurtured,
25 but valued, by their healthcare mentors. Thus

1 they gained a broad understanding of the work
2 demands and the occupational hazards in
3 healthcare.

4 In our third year, at the suggestion of the
5 product designers, a course in product design
6 and industrial hygiene for healthcare workers
7 was developed. The intent of the course was
8 not to create designers, but to give to
9 healthcare workers a language and design vision
10 so they could understand and be directly
11 involved in all phases of the design process.
12 The healthcare worker -- were -- participants
13 were most enthusiastic about the course.
14 Many of the participants have gone on to be key
15 figures in the struggle for the revised OSHA
16 bloodborne pathogen standard which mandates the
17 use of safer devices, as well as the historic
18 requirement that line healthcare workers
19 participate in evaluation and selection of such
20 devices. Many of them are active in training
21 other healthcare workers to evaluate and select
22 devices. These device-savvy healthcare workers
23 also provide critical links with the medical
24 device industry. I have no doubt that the
25 better devices that now exist owe a great deal

1 of their usability to the input of these
2 design-trained users.
3 They have also given direction to our project,
4 which I will skip over the many things that
5 we've done, but are -- well, all our efforts
6 are directed by the healthcare workers. And of
7 particular note is the user-based safety
8 criteria sheets that are widely disseminated
9 world-wide now and is included in the OSHA
10 revised bloodborne standard. The reason I
11 bring this up, because an unexpected but most
12 important outcome is that they're the de facto
13 standards for the industry, plus the voices of
14 the healthcare workers have been integrated
15 into the manufacturing of medical devices to a
16 degree that hasn't existed before.
17 I -- can I have 20 seconds more? We would
18 encourage NIOSH to support efforts to promote
19 comprehensive user-based design for all areas
20 of occupational health and safety, and this
21 includes training engineers, industrial
22 hygienists in effective strategies for
23 comprehensive participatory design.
24 Another thing I would recommend is a specific
25 recommendation -- we need a study on how the

1 OSHA requirement for worker line involvement is
2 being implemented because it's my impression --
3 and I have a lot of -- wide impression that
4 it's not being implemented. Showing a worker a
5 device you've already chosen is not worker
6 input. We have to have real worker input.
7 And then totally off of the area of design, but
8 I also think we need research on the inter-
9 relationship of patient and healthcare worker.
10 They are integrated, not the way it's viewed,
11 that one has to be compromised for the other.
12 Thank you.

13 **MS. BARRENECHEA:** Hi, good afternoon. My name
14 is Maribel Barrenechea. I'm going to try to
15 speak in English. If I find I can't, I'm going
16 to request the interpreter help.
17 I'm a housekeeper from the Westin Bonaventure
18 in downtown Los Angeles. I'm a single mother.
19 I have two daughters. And I was being worker
20 for nine years in there and the thing I can
21 tell you right now is about a problem we have
22 is a national problem we have and this problem
23 is through the union for hotel and restaurants
24 or hotels, and this (unintelligible) it was
25 already implemented in Las Vegas and in other

1 cities and these programs are some -- they put
2 -- they measured out their population of the
3 housekeeper and they -- they know how this
4 operation went there. They are working with
5 (unintelligible) to be -- when they are
6 resting, when they are working and how effect -
7 - and their help and their -- with their family
8 in general. And that program is to help us to
9 how to avoid injuries in work, and these
10 problems -- it was (unintelligible) I talk to
11 you it's international -- it's national. It
12 was in Toronto, Hawaii and Las Vegas and other
13 cities, and we were working -- like we did our
14 program where we put a big (unintelligible),
15 and a lot of ladies, they -- they put a sticker
16 where otherwise they hurt, and a lot of ladies
17 -- we notice a lot of ladies that are already
18 hurt and they don't report because they're
19 afraid to -- to lost their job, and that's the
20 (unintelligible). And we notice a lot of
21 ladies, they don't take their breaks -- their
22 breaks, even their lunch sometimes. They
23 (unintelligible) go to clock in and clock out,
24 but they don't take their lunch. We're trying
25 to -- to tell them why it's so important to

1 take their lunch and their breaks. And I know
2 a lot of ladies, they are hurt and like they're
3 still working, and they're afraid of how -- to
4 tell the managers or supervisor they're already
5 hurt because when I talked to some of them they
6 say, you know, because I don't have another
7 income. If I (unintelligible) I don't have
8 enough money to -- to pay my necessary --
9 something I need for my kids or myself.
10 I'm sorry, I'm a little bit nervous in here.
11 And where I notice in -- for -- for these
12 people or the owners of the hotel and
13 restaurant like are really -- they don't --
14 they don't like to know when other people that
15 are hurt, and they have a lot of pressure on --
16 the coworkers, they have a lot of pressure to
17 do their job. Like example, we have eight hour
18 to do our shift, you know, but we have our 30
19 minutes -- our lunch and like ten minutes in
20 the morning for a break and ten minutes in the
21 afternoon, and totally we have like seven hours
22 to do our work. It's like 14 to 15 rooms. In
23 total we have like 15 to 20 minutes to do a
24 room. And like if you notice, everyone in
25 here, we have our beds at home, you know, and

1 how -- how long would take to do a bed, you
2 know. And like we have to do -- like some of
3 the ladies, they have to do more than 20 beds,
4 like 30 beds, you know, and they have -- be
5 rushed because 20 to 15 minutes to do a room is
6 like it's not enough time. And we have -- like
7 -- like they call to them -- checklist, and we
8 have like 100 points in there, and like every
9 point -- like if they found a hair in the
10 bathtub, like they take away five points, so
11 you know, it's a lot of pressure for that. And
12 I know a lot of ladies like they can -- they
13 can finish their work because really they have
14 a lot of -- lot of pressure for other
15 coworkers, and I don't think like that's fair
16 to the other coworkers to be working like that
17 when they're -- they're really hurt and --
18 sorry, I'm very nervous, but I hope they
19 understand what I want to talk to you. Okay.

20 **MS. BARCELLONA:** Hi, good afternoon. I'm
21 Jessica Barcellona, health and safety project
22 coordinator with SEIU, United Healthcare
23 Workers West and the Joint Employer Education
24 Fund. SEIU, United Healthcare Workers West,
25 represents 135,000 healthcare workers

1 throughout the state of California. We're part
2 of the Service Employees International Union,
3 which represents 1.8 million healthcare
4 workers, building service workers and public
5 sector workers nationally.

6 I'm grateful for the opportunity to speak today
7 and thank NIOSH for planning these town hall
8 meetings throughout the country. Overall,
9 healthcare workers suffer a higher absolute
10 number of injuries and illnesses than workers
11 in any other industry sector. This sector has
12 been growing larger every year, increasing the
13 chances for more workers to be injured.

14 The rates for injuries in nursing homes are
15 substantially higher than those in hospitals.
16 Other healthcare workers, such as home care,
17 social assistance and mental health, venture
18 into the community to provide care, increasing
19 their risk for injury and illness. Many
20 workers in the healthcare industry are
21 considered vulnerable workers as they are
22 women, people of color, immigrants. They work
23 in entry level positions, are non-English-
24 speaking or suffer from illiteracy.

25 NIOSH must be commended for its work on

1 recognizing and addressing hazards facing
2 healthcare workers. More attention has been
3 paid to health and safety issues such as latex
4 allergies, needle stick injuries and hazardous
5 drugs due to NIOSH's research and alerts.
6 However, there are still many occupational
7 health hazards facing healthcare workers which
8 need more consideration from NIOSH. These
9 hazards include controlling glutaraldehyde and
10 other carcinogenic chemical exposures, reducing
11 anesthetic gas exposures, implementing
12 workplace violence controls in healthcare and
13 mental health settings, repetitive strain
14 injuries and musculoskeletal disorders, and the
15 impact of short-staffing on healthcare workers.
16 Unfortunately I do not have the time to
17 elaborate on all of these issues, so I'll focus
18 on the last two I just mentioned.
19 Repetitive strain injuries are perhaps the
20 biggest unaddressed hazard facing healthcare
21 workers. Neck, back and shoulder injuries are
22 among -- among healthcare workers are most
23 commonly caused by the dangerous practice of
24 manual patient lifting and transferring. On
25 average, nurses are getting older, while

1 patients are getting heavier, and this is a
2 recipe for disaster.

3 About 12 percent of nurses who have left the
4 profession report the main reason they've left
5 being they have suffered one or more of these
6 preventable repetitive stress injuries. While
7 at least one NIOSH-funded study has focused on
8 the use of mechanical lifting and transfer
9 devices, the need for more research is clear.

10 In addition, a large number of healthcare
11 workers who do not provide patient care also
12 suffer from work-related musculoskeletal
13 disorders. Hospital and nursing home employees
14 in the dietary, housekeeping and clerical
15 departments, or home care workers who cook and
16 clean for their client in their homes, are
17 required to push heavy carts, work in awkward
18 positions, or sit for long periods of time.

19 And workers who do patient care are also
20 expected to complete other tasks such as
21 maintain charts or distribute medication. The
22 emergence of mobile work stations have created
23 a new potential for ergonomic injuries in
24 healthcare.

25 The other issue that is most important when we

1 talk with our healthcare workers, members of
2 our union, they identify short-staffing and
3 stress as a high priority in health and safety.
4 Short-staffing has become the norm within most
5 healthcare institutions. Many healthcare
6 workers are feeling the stress and strain that
7 comes along with it. Due to short-staffing,
8 stress and fatigue increase, therefore raising
9 the potential for injury and illness for
10 workers. Also the quality of patient care may
11 suffer as a result of healthcare worker stress
12 and strain.

13 Stress may manifest itself in psychological
14 symptoms which can be hard to diagnose as work-
15 related. Also many stress-related physical
16 symptoms -- such as headaches, gastrointestinal
17 problems, sore muscles, high blood pressure --
18 are often attributed to personal health
19 problems as opposed to work-related stress.
20 We urge NIOSH to focus more research on short-
21 staffing, stress and other related psychosocial
22 issues, as well as ergonomic hazards in the
23 healthcare industry. Thank you.

24 **MS. SCHNORR:** Thank you. Why don't we take a
25 short 3-minute break so you can stretch, but

1 really keep it to three minutes so we can keep
2 going. Thanks.

3 (Whereupon, a recess was taken from 3:38 p.m.
4 to 3:45 p.m.)

5 **MS. SCHNORR:** ... panel of people will be
6 Richard Gorham of United Professionals; Sheryl
7 Moore of AFSCME 3090; Fred Drennan, Team
8 Safety, Inc.; Irina Nemirovsky, California
9 Commission on Health and Safety and Workers
10 Compensation; and Lynn Strother, Human Factors
11 and Ergonomics Society.

12 (Pause)

13 **MR. GORHAM:** Hello, my name is Richard Gorham.
14 I used to be a state employee but I retired
15 early to go to work for United Professionals.
16 Some of our members include psychologists,
17 social workers, dieticians, individual program
18 coordinators, recreation therapists, physical
19 and occupational therapists, audiologists,
20 chaplains, rehab counselors, pharmacists and
21 licensing program analysts.

22 The basic problem with the state of California
23 is understaffing. All occupations are covering
24 at least one-third of a vacant position. This
25 adds stress to everyone. The psychiatric

1 technicians, level of care, they're an
2 endangered species. The state's way of
3 addressing that is to hire a PT assistant.
4 This is a certified nurses's assistant. It's
5 like ten weeks of training. And they also have
6 student assistants.
7 Who picks up the slack from all this work? The
8 psychiatric technician. That's the person that
9 actually delivers the level of care work.
10 Hiring process, if they are advertising, takes
11 up to six months to hire someone. They have to
12 do a background check which includes a credit
13 report and a physical. And by the time they
14 are called, they either starve to death or have
15 found another job, and you're back to square
16 one trying to hire them.
17 They had a program in the '90s, it was called
18 Salary Savings. It was -- upper and middle-
19 management were getting a salary bonus for
20 every salary that they saved, every position
21 that they kept open. I cannot find from
22 anybody -- I don't get a straight answer when I
23 ask is that in effect now. It has every
24 earmark of that.
25 They also ha-- we also suffer from contracting

1 out psychologists, social workers, pharmacists,
2 rehab counselors. We've been in negotiations
3 with the State of California and they've agreed
4 to stop, but they don't seem to be complying.
5 We are underpaid. Our basic salary is
6 augmented by a recruitment and retention bonus,
7 which is not included in our peers' retirement.
8 Psychiatric technicians that -- it's not even
9 an A.S. degree -- make more than the individual
10 program coordinators, dieticians and
11 recreational therapists. They -- everyone in
12 our union has at least one, if not multiple
13 degrees.
14 Overtime, we're salary so we get no overtime.
15 I worked ten hour days four days a week. Just
16 because there was so much work, I was required
17 to come in from one to four days every month
18 just to try to keep up with the workload. My
19 case load stayed the same, but the work just --
20 it's phenomenal. It costs me \$6 in gas just to
21 go back and work -- forth to work, so -- and
22 I'm not earning any money while I'm doing that.
23 We have some outside influences. The federal,
24 state licensing, Department of Justice and the
25 courts, they keep raising the bar. More rights

1 for the clients, more activities, more
2 services, even though they're aware that they
3 cannot deliver these services. This creates a
4 neglectful atmosphere.

5 Borderline hostile work environment, ever-
6 increasing workload, pressure to keep up,
7 unresponsive management and their inability to
8 change direction. Injuries have skyrocketed,
9 both for the clients and staff, both from
10 workplace violence. We represent people that
11 work in department of corrections,
12 developmental centers and mental health
13 facilities. Every single one of those is
14 understaffed.

15 I've got a pharmacist at Etascadero. He just
16 was involved in an altercation. He ended up
17 with three broken ribs. But we also have
18 communicable diseases, methicillin-resistant
19 staphylococci and vancomycin-resistant
20 enterococci. These are two very bad pathogens.
21 The treatment for that is -- is treating them
22 with two different top of the line antibiotics,
23 and they're not always successful. We also
24 have people that have hepatitis.

25 My recommendations, bring outside influences

1 back into reality. Keep positions filled by
2 speeding up hiring and provide incentives for
3 hiring. And our highest priority for the
4 upcoming negotiations would be increased pay,
5 to that of the private sector, and include
6 recruitment and retention in the base pay.
7 Thank you.

8 **MS. MOORE:** Good afternoon. My name is Sheryl
9 Moore and I represent the City of Los Angeles,
10 as well as Cal-COSH. I am a -- on the advisory
11 board. For the City of Los Angeles we're
12 talking about over 5,000 clerical and support
13 services members, which includes your 911
14 operators, a lot of your support staff when --
15 which you go to the counter and wish to get
16 information from.

17 In the City of Los Angeles over a year ago we -
18 - AFSCME Local 3090 put on the table for the
19 City of Los Angeles to -- to sit down and look
20 at injuries within our workers. Those injuries
21 has skyrocketed as far as workers comp claims
22 in the City of Los Angeles, so we took it upon
23 ourselves to put some language down and then we
24 started a program, with the assistance of UCLA,
25 in order to look at injuries within the City of

1 Los Angeles. Now what I found astonishing was
2 the fact that we had surveys done -- each time
3 we did a class or an awareness class, we had
4 surveys done. Now I'm going to just throw
5 these numbers out at you. Out of -- based of
6 741 surveys, because we have a female-dominated
7 class, we had over 594 women who responded to
8 the survey and only 146 males. What I thought
9 was -- and then the average age is 43, so
10 you're talking about an aging workforce in the
11 City of Los Angeles.

12 We heard a lot about what's going on in the
13 private sector. Well, there is just as many
14 injuries going on in the public sector, if not
15 more. And the thing about it is, these people
16 are not reporting these injuries simply because
17 they have a mechanism to do it but they won't
18 do it. And you know why? There is a fear
19 factor in the public sector, just like it is in
20 the private sector.

21 Just to throw out a couple of numbers, 69
22 percent or 80 percent of the people that work
23 in the City of Los Angeles uses -- uses a
24 computer, and 80 percent of them are injured on
25 the job. Yes, if you get injured you're

1 supposed to fill out a form. You have to wait
2 90 days in order for it to be approved. But
3 people are working hurt in the City of Los
4 Angeles.

5 One of the things that I also found astonishing
6 was there's a lot of neck -- we asked them if -
7 - if they're experiencing discomfort with their
8 neck within the last 70 -- seven days; 63
9 percent out of the 741 said yes, they are
10 experiencing the basic neck, shoulders, upper
11 back pain. Large numbers of people are
12 experiencing pain, but they are not reporting
13 it. Not reporting it.

14 One of the things that I found just -- just --
15 just threw me off the loop through these -- the
16 survey was 70 perc-- 70 peop-- 70 percent
17 people answered "no" to missing works --
18 missing work at their job. They will come to
19 work hurt. Only 22 percent said they missed
20 working days and not come to work. Now that --
21 that's -- that's ridiculous. Why are people
22 coming to work hurt?

23 Another thing is 73 percent said no, they don't
24 file workers comp claims. Well, there's no
25 incentive to file a workers comp claim. Why

1 should you? Because if you do, it's not going
2 to do any good, in the first place. You still
3 have to work on that job and complete that task
4 before anybody will even take a look at you,
5 and that's including the City's doctor, as well
6 as your own.

7 The other thing that I found quite astonishing
8 was -- and you would think the City of Los
9 Angeles with its bureaucracy would -- would
10 promote good health and safety among its
11 workers simply because they depend on workers
12 in order to make a difference in the City of
13 Los Angeles. Well, 74 percent said no, they
14 don't receive any ergonomic training in the
15 City. If UCLA, City of Los Angeles as well has
16 asked me, didn't put on the table and say hey,
17 you need to do something about the workers
18 that's coming on in here, they wouldn't have
19 done anything.

20 What I found that the research needs to be
21 done, and I'm just asking, is education. There
22 should not be any fear factor with anyone
23 reporting their injuries. Also on-the-job
24 training, ongoing training that includes peer
25 health advisors, people within the

1 establishment get additional training in order
2 to help one another, because I'll go to a
3 coworker before I'll go to management. The
4 psychosocial behavior that's -- and that's
5 reducing the fear of on-job -- reducing the
6 fear of on-job injuries, so that way these
7 injuries can be reported. And then also
8 looking at follow-up. We need follow-up. You
9 need management as well as City workers in
10 order to look at the bigger picture. What is
11 it going to take for us to reduce these
12 injuries as a group, you see, and not just put
13 it all on the workers. These are some of the
14 areas that I feel that is -- that needs to be
15 researched more often and in place. We are
16 trying to do it, but it's going to take a lot
17 more help and also cooperation on all ends.
18 Thank you for your time.

19 **MR. DRENNAN:** My name is Fred Drennan. I'm a
20 safety consultant and I've consulted for large
21 corporations such as Exxon, 3M and to small
22 mom-and-pop organizations around the United
23 States. And I've -- also have been the task
24 force leader for the American Society of Safety
25 Engineers for the last year and a half. We

1 have 30,000 members across the United States
2 and our initiative is to help NIOSH with the
3 steps to a healthier U.S. workforce. And some
4 of the issues that the previous speaker
5 presented is that while these problems that we
6 have is the health of the worker, the aging
7 worker, and how are we going to be melding
8 safety and health issues because they really
9 are one and the same picture. And so that's
10 been my -- my focus for the last year and a
11 half, speaking with John Howard and Greg Wagner
12 and also Paul Scholte* in New Orleans just
13 before the hurricane hit. And so -- but my
14 presentation today is to really to talk to you
15 about my position as a safety consultant and
16 the other speakers here that are responsible to
17 implement safety programs and to promote safety
18 within their organizations, and that's the
19 perspective I want to give you today.
20 And the first one is is that NIOSH, from my
21 perspective, has been focused on what I call
22 the hard sciences -- respiratory protection,
23 the chemical exposure, dermatitis, things like
24 that. I want to -- I'd like to see NIOSH focus
25 on what I call the soft sciences. And for the

1 last 20 years in the field of safety one of the
2 dominant management systems has been what we
3 call behavior-based safety. And that
4 philosophy says that 96 percent of all
5 accidents in the workplace are caused by
6 workers' unsafe acts. And so this -- this
7 program is being promoted by other consultants
8 such as myself and these programs cost millions
9 of dollars and a lot of the major corporations
10 across the United States have had less than
11 stellar results from these. And so it's almost
12 a consumer protection program is how do we --
13 companies -- individuals, the people like
14 myself that are there to help small employers
15 and large employers to implement and promote
16 safety for their help, for their workers, and
17 also that behavior-based safety has taken a new
18 twist and it's called people-based safety. And
19 there's no real research to say are these
20 really valid, and so the unsuspecting buyer out
21 there is kind of in a vulnerable position.
22 The second one is this -- this is our trade
23 journal for the American Society of Safety
24 Engineers and the lead article here is the ANSI
25 Z-10. It's a safety management assistant, so

1 this is going to be the benchmark for the next
2 several years, and ANSI is American National
3 Standards Institute, and it was only done by a
4 group of 80 individuals such as myself and they
5 got together and they called best practices, so
6 this is going to be the new standard. But
7 there is no real research that says is the ANSI
8 standard really the gold standard, if you want
9 to perceive it that way.

10 And then the next issue that is gaining more
11 popularity is organizational culture. What are
12 the cultures that we have in these different
13 organizations that promote safety or hinder
14 safety and the City of Los Angeles obviously
15 has got a dysfunctional safety culture there.
16 So it goes from there to my last statement that
17 I would like to see and I think is the most
18 profound that I would like to see NIOSH do
19 research on is how do we sell safety to
20 management. How do we sell safety to business
21 owners. You know, in the 28 years I've been
22 doing this, my first issue has always been an
23 easy way to make a living is sell compliance.
24 Well, once the compliance issues are taken care
25 of and the management and business owners start

1 focusing on other areas and they take their eye
2 off the ball that safety and things start going
3 back down again until they start accelerating
4 and getting (unintelligible) back hey, we've
5 got a compliance problem.

6 The second issue, especially in the last couple
7 of years in California, is the workers comp
8 cost, including the -- self-insured has been
9 very, very expensive in California so that's
10 been my second biggest sell. So what I would
11 like to see NIOSH do is focus on how do we sell
12 management safety that's beyond compliance and
13 workers comp issue. We need to show business
14 owners and business executives that it improves
15 efficiency, improves productivity, it improves
16 morale, it improves all of these other issues
17 than making businesses better places to work
18 for, and the only way that's going to be done
19 is if NIOSH comes and looks at -- and does some
20 really broad-stroke demographic research of
21 executives to find out how can we do a better
22 job so people like myself and the lady here
23 speaking for the City of Los Angeles, we have
24 some real concrete data that we can present
25 these things -- and the union speaker here was

1 talking about that. So I think that that's
2 what I would like to see NIOSH focus on is the
3 soft science, the sociology of safety, and
4 that's my degree. I'm a sociologist and I hope
5 that's the direction they take. Thank you.

6 **MS. NEMIROVSKY:** Good afternoon. My name is
7 Irina Nemirovsky and I'm actually part of the
8 Commission on Health and Safety and Workers
9 Compensation of the State of California. My
10 remarks are also on behalf of executive officer
11 Christine Baker, who unfortunately apologizes
12 and was not able to be here today.

13 First of all I would really like to thank NIOSH
14 and UCLA for the opportunity really to be here
15 today and to provide some of our key research
16 issues for the workers compensation and
17 occupational health and safety community in
18 California. But before I begin, I'm not sure
19 how many of you really know about the
20 Commission or what its role is, and I'd like to
21 just give you a brief introduction on what we
22 do and what our mandate is in the state of
23 California.

24 The Commission was created by the 1993
25 legislative reforms of the California workers

1 compensation system. The eight members of the
2 Commission are appointed by the Governor and
3 the legislature to represent employers and
4 labor. And the mission of the Commission is
5 really far-reaching. It was formed to monitor
6 the health and safety and workers comp programs
7 in California, and the Commission is charged
8 with recommending legislative and/or
9 administrative modifications to improve system
10 operations. It's mandated to conduct a
11 continuing examination of systems in California
12 and to evaluate those programs in other states.
13 Many of the Commission's studies and research
14 findings have been incorporated into the
15 workers compensation recent reforms of A.B.
16 749, A.B. 227, S.B. 228 and more recently in
17 S.B. 899, which was signed in 2004.
18 We believe that considerable progress has been
19 made in improving workplace health and safety,
20 as some of the recent injury and illness
21 statistics demonstrate that there've been
22 considerable declines in the past decades of
23 injury and illness incidence rates and has --
24 there has been a huge decrease in incidence
25 rates really for all industries.

1 But much of the progress that has been made
2 improving workplace health and safety has
3 largely been based on support and knowledge
4 generated by occupational safety and health
5 research. However, resources for occupational
6 safety and health research are limited, and the
7 toll on costs of injuries are still high.
8 There's still about 700,000 non-fatal
9 occupational injuries and illnesses in
10 California annually, and an additional 416
11 deaths from injuries on the job. Thousands are
12 permanently disabled as a result of workplace
13 injuries. The workers comp costs, as some
14 panelists have mentioned, for work-related
15 injuries are really high. They're over \$20
16 billion annually in administrative expenses,
17 medical and indemnity costs.
18 Our -- CHSWC's -- some of the CHSWC's key
19 research priorities which we would like to
20 address here today and really recommend for
21 NIOSH to take a look at include -- we really
22 feel that there's a need for ongoing monitoring
23 and independent evaluation of the workers comp
24 system. It's critical to assess system
25 performance and determine whether the goals of

1 the reforms are being realized. More research
2 needs to be done in evaluating the medical
3 outcomes, quality and access of the recent
4 reforms. Yes, workers comp reforms have been
5 put in place to control some of the above-
6 mentioned costs and make improvements in the
7 workers comp system, but their impact still
8 needs to be evaluated, and the impact
9 especially on the quality of care and access.
10 That work still needs to be done.
11 We would like to recommend that more research
12 be done on integrating -- on the integration of
13 non-occupational and occupational healthcare
14 and what the impact of that is on improving
15 continuity of care, quality of care and
16 reducing workers comp costs.
17 The implications of the aging workforce on
18 occupational health and safety and workers
19 compensation needs to be studied.
20 Incorporation of health promotion into existing
21 occupational health and safety programs, that's
22 a priority. There needs to be more information
23 about workers compensation system available in
24 several languages in addition to English and
25 Spanish -- other languages such as Chinese,

1 Vietnamese, Tagalog, Cantonese and Korean.
2 There needs to be actually more information
3 disseminated into these languages as well.
4 Lastly, it would be great if we can determine
5 the feasibility of establishing a northern and
6 southern California resource centers for
7 employers and injured workers that would
8 maximize successful return to work after a
9 workplace injury and reduce workers
10 compensation costs.

11 I would lastly like to emphasize that all of
12 the Commission studies have been done with
13 input from stakeholders. We believe that
14 strengthening and broadening partnerships with
15 partners is of great value in leveraging
16 limited resources, obtaining important feedback
17 and helping to implement and evaluate programs.
18 Partnership with stakeholders are key to
19 improving the workers compensation and health
20 and safety systems in California, and we look
21 forward to partnering with NIOSH and other
22 organizations on helping to improve workers
23 comp and health and safety systems in
24 California. Thank you.

25 **MS. STROTHER:** Good afternoon. My name is Lynn

1 Strother and I am the executive director of the
2 Human Factors and Ergonomics Society. We're
3 located in Santa Monica, California -- right
4 here down the road -- and I represent about
5 4,500 scientists and practitioners
6 internationally in the area of human factors
7 and ergonomics. And our mission is to advance
8 the science and practice of human factors and
9 ergonomics, and today my remarks are focusing
10 primarily on some concerns within the research
11 community regarding NORA's sector-based
12 approach.

13 NORA was originally established in 1996 to
14 consider the occupational and safety and health
15 needs of industry and how to define a research
16 agenda that would be meaningful for society.
17 The idea was to bring together researchers,
18 practitioners, academics, industry
19 representatives and so forth to determine where
20 weaknesses were in the research agenda and
21 where future research focus should be
22 encouraged. We applaud this inter-disciplinary
23 and multi-dimensional focus to addressing this
24 important public health issue.

25 Given the production of NORA I, we think that

1 the research agenda positively influenced the
2 field of occupational health and served as a
3 useful guide for policy makers and researchers
4 to help focus their efforts.

5 The original NORA effort was effective and
6 appeared to encourage research in needed
7 directions. Research that would have had
8 greatest impact across industry sectors was
9 encouraged, and often focused upon fundamental
10 illness and injury causality issues. This work
11 reinforced traditional research values that
12 encouraged the advancement of the science that
13 would underpin the basic principles underlying
14 health causality issues.

15 The new NORA effort appears to have
16 significantly changed its approach from the
17 focus on the injury/illness-based research to
18 an industry sector approach that would
19 encourage industry to identify the areas of
20 research that are most -- of importance to
21 them, to industry. Given the fact that the
22 occupational health recording system has
23 changed dramatically over the years, our fear
24 is that public funds will not be appropriately
25 directed to the real occupational health issues

1 facing society, but they will only be directed
2 to the issues that are permitted by whatever
3 the surveillance system is designed to
4 identify.

5 An example of this concern can be found in
6 musculoskeletal disorders. It is well known
7 that musculoskeletal disorders represent the
8 primary reason for missed work in industry
9 overall. However, recent changes to the
10 recording system have eliminated the MSD
11 category from the surveillance forms. Thus
12 this system would permit the country's most
13 widespread health issue to be under-appreciated
14 in this sector-based approach since it would
15 most likely be buried in a generic accounting
16 system.

17 Although musculoskeletal issues are to be
18 addressed via the cross-cutting sector category
19 in the new NORA plan, it is difficult to
20 understand how addressing musculoskeletal
21 disorders as a cross-cutting topic can
22 facilitate a better understanding of the causal
23 pathways that are needed in order to bring
24 about truly effective solutions.

25 We live in a rapidly-changing world from an

1 occupational perspective. The fundamental
2 manner in which work is accomplished has
3 changed, along with out-sourcing, in-sourcing,
4 globalization and large corporations
5 increasingly being responsible for worker
6 health across a multitude of industrial sector
7 definitions. The sector-based approach to
8 occupational safety and health research
9 represents an effort to encourage immediate
10 applied research efforts and, we fear, to
11 minimize basic research efforts. Although
12 applied research can be useful and of immediate
13 assistance, any effective research portfolio
14 requires a balance between basic and applied
15 research.

16 Applied research can be optimal and useful in
17 the long term only if it builds upon a strong
18 scientific foundation that has been well-
19 reasoned and builds upon a systematic approach
20 to understanding the causal relationships
21 underlying an occupation-related injury or
22 illness. Our concern is that research defined
23 and based upon industry sector will not lead to
24 meaningful research that is consistent with the
25 long-established process of scientific inquiry.

1 This sector-based approach will encourage
2 superficial research that may not necessarily
3 address the most important occupational health
4 issues, and instead may result in industry
5 control practices that address symptoms of
6 occupational health problems instead of their
7 root causes.

8 An additional concern involves the body of
9 research that was initiated under Phase I of
10 NORA. As stated earlier, scientific inquiry is
11 a progressive process that often takes decades
12 to come into fruition. Many of the efforts
13 that were funded under the research topic-based
14 NORA initiative over the past ten years will
15 only lead to useful solutions if they are
16 followed by research efforts that can build
17 upon these initial steps.

18 I have a little bit more. I have been told to
19 stop. I'll make sure that my comments get into
20 the record, and I just want to offer the
21 assistance and partnership of the Human Factors
22 and Ergonomics Society, its members and
23 technical groups in this effort. Thank you
24 very much for your attention.

25 **MS. SCHNORR:** Thank you. We are up to our last

1 panel. There are six people on this panel,
2 Suzanne Porcenne*, SEIU 660; Pamela Vossenias,
3 UNITE HERE, Strategic Affairs; Sonia Moseley,
4 United Nurses Association; Al Perez and Charles
5 Burks of the Postal Service.

6 **MS. PORCENNE:** Good afternoon. My name is
7 Suzanne Porcenne. I'm with SEIU Local 660 that
8 serves Employees International Union. And we
9 represent L.A. County workers as well as
10 workers in special districts totaling close to
11 50,000 workers in L.A. County.
12 Our workforce includes office workers, court
13 reporters, workers in schools, healthcare
14 workers such as nurses, LVNs, eligibility
15 workers in social services, blue collar workers
16 -- custodians, housekeepers, and anyone else
17 who delivers services for L.A. County.
18 As an important stakeholder in the public
19 sector, SEIU Local 660 very much wants to work
20 with NIOSH and looks forward to a collaborative
21 partnership through the NORA sector research
22 councils and other avenues. We urge NIOSH to
23 support and conduct research that can be used
24 to effect real policy changes, such as better
25 ergonomic standards and an increase in staffing

1 levels across different departments within any
2 public sector, including county, state and
3 federal. And also to effect changes that will
4 reduce psychosocial stresses on workers.
5 For over 20 years SEIU Local 660 has had a
6 labor/management ergonomics committee. It is
7 one of the few committees of this type that has
8 an operating budget that we negotiated with
9 L.A. County management. Our clerical
10 bargaining unit, composed of 16,000 members,
11 fought hard to win the creation and funding for
12 that committee, and maintained the funding
13 levels through a political climate that was
14 adversarial towards workers.
15 We are in a bargaining year this year with L.A.
16 County. We want to continue to make gains for
17 county workers by negotiating better ergonomic
18 standards, more funding for safe equipment for
19 other bargaining units, and higher staffing
20 levels. In order to do this we need research
21 that will bolster these efforts. Policy makers
22 need to see research on the correlation between
23 the use of ergonomically correct standards and
24 equipment, adequate staffing levels, and the
25 reduction in injuries and less time off the job

1 by workers, and the cost savings to employers.
2 I'd really like to emphasize that economic
3 reasons for health and safety for workers is a
4 very, very important argument that policy
5 makers listen to. We work very closely with
6 legislators on the state and federal levels, as
7 well as the county levels, in SEIU, and these
8 are the sort of issues that policy makers
9 grapple with constantly in making decisions on
10 funding priorities.

11 As was stated in the morning session, research
12 doesn't do us much good if it does not assist
13 us in effecting policy changes. This kind of
14 research will be key and extremely important in
15 educating policy makers on the local, state and
16 federal levels to support ergonomics, staffing
17 increases and better health and safety
18 standards and enforcement, and the creation and
19 increase of funding for these programs through
20 legislation and bargaining by unions.

21 We hope that NIOSH will work with the
22 stakeholders, as they've stated, including
23 union members and staff people, to identify the
24 priorities that make sense for the workers, as
25 well as winnable issues that can really impact

1 the workers' lives. If we can assist in any
2 way in terms of resources and actual staffing
3 to make this happen, we would like to do that.
4 But we want to really emphasize that it's the
5 policy changes that are really going to affect
6 the workers' lives, so we'd like -- we'd like
7 this research to be really geared towards that
8 and sort of stay away from academic theory that
9 is very useful in its own right, but would not
10 be as useful to the workers out in the field on
11 the front lines. Thank you.

12 **MS. VOSSENAS:** Good afternoon. My name is
13 Pamela Vossenias, and I am the senior health and
14 safety educational representative for the union
15 UNITE HERE at the international headquarters.
16 I have about 20 years experience in the field
17 of health and safety, working for unions,
18 academic institutions and community groups as a
19 researcher and as an educator.

20 I'd like to thank Linda Delp, Terri Schnorr and
21 Cass Ben-Levi for making our participation here
22 today possible, and to my sisters at Local 11
23 for their strong presence here today. It is
24 both a pleasure and an honor to be here today
25 while NIOSH lays out its future research

1 agenda, while at the same time hotel workers in
2 Los Angeles and across the United States and
3 Canada are demanding safer jobs.

4 The hotel housekeepers who spoke explained only
5 too well the price that they pay with their
6 health as professional housekeepers working
7 under unreasonable workloads. They may not be
8 on assembly line, but these women constantly
9 face speed-up every single day.

10 Hotel housekeepers are women who are working in
11 constant motion, every minute of every hour of
12 every day of every week of every year. They
13 have all the telltale ergonomic risk factors --
14 heavy lifting of mattresses, repetitive bending
15 while making beds and twisting to do so because
16 night tables are in the way. They reach high
17 and low to clean showers and toilets. They
18 experience forceful loads while pushing carts
19 lade down with linens and amenities. And so it
20 is no surprise that when we surveyed 600 hotel
21 housekeepers that we found 91 percent said they
22 suffered from workplace pain; 77 percent
23 reported that it interfered with their
24 activities outside of work -- meaning their
25 time at home and with their families; 67

1 percent visited a doctor because of the pain;
2 and 66 percent took pain medication. So the
3 next time when you go to a hotel, look around
4 at the housekeepers and realize that two out of
5 every three of them are on pain medications.
6 Something is seriously wrong with the
7 workloads. When we review OSHA logs in
8 different cities, we see that housekeepers make
9 up a percentage of injured workers that is
10 greater than the percentage they comprise of
11 the hotel workforce. So for example, if
12 housekeepers represent 23 percent of the
13 workforce in a particular hotel, when we look
14 at the logs they may actually represent about
15 26 percent or more of the injuries. We know
16 that about 66 to 69 percent of housekeepers do
17 not report that -- those injuries, and so we
18 know what we are seeing is just an
19 underestimation of the reality.
20 We must remember that work is organized, and it
21 is organized by the employer, which means that
22 it can be organized to be safer. Also
23 employers have a legal responsibility to
24 provide a workplace free of known and
25 recognized hazards. With 80 percent of U.S.

1 jobs being in the service sector, and with
2 record-breaking hotel occupancy rates that
3 equal huge profits, NIOSH has an opportunity --
4 but I would also say an obligation -- to study
5 workplace conditions of hotel workers, and to
6 identify interventions that can reduce these
7 injuries and prevent workplace-related
8 illnesses.

9 From my own professional experience, I know
10 that NIOSH can make a difference. From 1989 to
11 1992 I was fortunate to be funded by a NIOSH
12 cooperative agreement at the Laborers Health
13 and Safety Fund of North America, where I was
14 able to do ground-breaking research on
15 construction laborers. This time period we
16 were able to set the ball in motion for many
17 subsequent studies and additional funding for
18 more studies and interventions. I'm certain
19 that in 2006 the hotel industry is where the
20 construction industry was over 15 years ago --
21 many injured workers with few studies to prove
22 to management that the conditions must change
23 that can change. This is what the hotel
24 industry in particular and the service sector
25 needs today.

1 We strongly recommend participatory research so
2 the workers in the community have a role. And
3 I'd like to leave you with a research task of
4 your own. Next time you go to a hotel, how
5 many pillows are on your bed? How many sheets?
6 How many mirrors? How big are they? And know
7 that every item in your room is one item on a
8 100-point checklist that workers are graded on
9 every -- for every room that they clean. Thank
10 you very much.

11 **MS. MOSELEY:** Good afternoon. My name is Sonia
12 Moseley and I'm a registered nurse and
13 executive vice president of United Nurses
14 Associations of California, NUHHCE, AFSCME, our
15 American Federation of State, County and
16 Municipal Employees. Thank you for the
17 opportunity to provide input into the National
18 Occupational Research Agenda. Our national
19 union has been active with NORA -- the NORA
20 initiative from its inception.

21 I want to touch on both a general area of
22 concern as well as a specific issue with
23 respect to the research agenda. First, as a
24 member of AFSCME, I want to mention that
25 occupational safety and health for my sisters

1 and brothers in the public sector, particularly
2 state and local government workers, continues
3 to be a major area that does not receive the
4 attention it needs and deserves. State and
5 local governments employ nearly 20 million
6 workers. That's roughly 15 percent of the non-
7 farm civilian workforce in this country.
8 According to the Bureau of Labor Statistics,
9 there were 5,703 fatal workplace injuries in
10 2004; 527 of these -- or those, or nine
11 percent, involved federal, state or local
12 government workers. Thousands more die each
13 year from occupational disease, and hundreds of
14 thousands suffer injuries that result in time
15 away from work, in all too many cases
16 permanently.
17 Public employees are in many ways the forgotten
18 workers, including among the occupational
19 health and safety research community. Despite
20 doing some of the most hazardous work in this
21 society, public employees were excluded when
22 the Occupational Safety and Health Act was
23 passed over 35 years ago. We need to examine
24 the hazards, health effects and consequences on
25 public employees of working without health and

1 safety laws and enforcement. Today only 24
2 states have federally-approved state OSHA
3 programs that cover state and local government
4 workers. And we are indeed fortunate that
5 California is one of those states.

6 I'd like to focus the remainder of my remarks
7 on an important issue to nurses and other
8 healthcare workers, respiratory protection
9 against airborne pathogens. Concerns about
10 appropriate equipment and resources have risen
11 as the world and this nation are facing the
12 possibility of an influenza pandemic. In the
13 past week avian influenza was reported to have
14 spread to more counties, including Italy,
15 Germany and other parts of western Europe. And
16 as of February 13th the World Health
17 Organization has reported 169 confirmed cases
18 of avian influenza in humans, with 91 deaths.
19 Last November the Department of Health and
20 Human Services released its pandemic influenza
21 plan and recommended a surgical mask for
22 respiratory protection. Its recommendation is
23 based on the assumption that transmission is
24 primarily via large droplet nuclei. However,
25 the plan admits it does not have definitive

1 scientific evidence to support this claim. It
2 does not address the issue of the evaporation
3 and breakdown of droplets into respirable-sized
4 particles within a matter of seconds, or even
5 fractions of seconds, after they are expelled
6 through sneezing, coughing or even talking.
7 Surgical masks are not respirators. They
8 cannot filter out droplet nuclei. They cannot
9 achieve a tight seal against the wearer's face.
10 They are not certified as respirators by NIOSH.
11 The recommendation for surgical masks
12 contradicts guidance from the Centers for
13 Disease Control and Prevention and OSHA
14 regarding respiratory protection for avian flu.
15 They recommend a minimum of N95 respirators and
16 higher levels of protection for activities that
17 may generate aerosols.
18 NIOSH and others have not adequately addressed
19 the effectiveness of disposable respirators for
20 use against airborne pathogens. There are many
21 questions that remain today and are applicable
22 to other airborne pathogens, particularly a
23 pathogen as lethal as avian flu, should it
24 develop the ability to be transmitted between
25 humans. Research should focus on determining

1 the minimum level of respiratory protection
2 needed to protect wearers from exposure to
3 airborne viruses like avian flu where
4 infectious doses may be approaching one
5 particle. We also need the research to
6 establish the appropriate criteria for
7 certifying the fit of half-mask respirators as
8 part of NIOSH's certification requirements.
9 Thank you for the opportunity to express our
10 concerns.

11 **MR. BRYCE:** Good afternoon. I'm Charles
12 (unintelligible) Bryce, president of National
13 Postal Mailhandlers Local 303 and also the
14 president of the COSH group, southern
15 California COSH. I'm here -- we represent
16 mailhandlers who work in mail processing plants
17 from Bakersfield to San Diego and even Las
18 Vegas, which is a total of about 14 processing
19 plants here in southern California.
20 And I wanted to speak on some things about
21 federal workers. As you all know, we got hit
22 with the anthrax here and that was scary. That
23 was real -- we wish NIOSH or the COSH and
24 anybody else could help us with that. That was
25 a real scary moment for public workers. You

1 know, Postal Service, we -- we can't look in
2 your package to see what's in there. It's
3 against the law. If we do it, we lose our
4 jobs. We would like help in that area.
5 But what I'm here today asking help for in the
6 area of research is forklifts and operating
7 mules within the Postal Service. As we drove
8 up here today -- many of us drove up here today
9 -- we saw the highways, we saw the streets, we
10 -- we saw where pedestrians walk and we saw
11 where cars go and buses go. In the Postal
12 Service what they do, they got a mixture of all
13 that into one, and there's a high rate of
14 accidents. And we feel that if working with --
15 with you and with anybody that can research
16 that and find out -- just basically if you'll
17 put a plan together what's in those processing
18 plants where workers can work, equipment
19 operators can operate and so forth and so on,
20 we're willing to work with you on that.
21 And we appreciate, you know, you coming in and
22 thanks for hearing me.

23 **MR. PEREZ:** Good afternoon. I guess somebody
24 has to go last. Right? My name is Al Perez.
25 I'm an environmental safety and health

1 professional. I've been in the profession for
2 25 years. This is my chosen profession. I
3 started off as an industrial hygienist. I'm a
4 graduate of a NIOSH-funded industrial hygiene
5 program. And over the years, you know, I've
6 had progressive responsibilities, expanding
7 into safety engineering and environmental
8 health and, you know, progressing up as a --
9 into a management position.

10 Most of my career has been with private
11 industry, and I currently work for the largest
12 commercial laundry -- or one of the largest
13 commercial laundries in the country, and we
14 have about 13,000 employees. Most of our
15 employees are unionized. A lot of our
16 employees in the production area are UNITE
17 HERE-represented, and a lot of our drivers --
18 or most of our drivers are Teamsters.

19 I'm going to touch on a subject that's very
20 similar to what the consultant talked about
21 just a little earlier about those soft areas,
22 not the technical areas but more softer areas
23 that I feel NIOSH should -- should be focusing
24 on.

25 Again, my primary job is to develop and

1 implement injury prevention programs. And one
2 question that kind of -- has come up over the
3 years as a health and safety professional when
4 I talk to my peers is -- especially those of us
5 who work in private industry -- is we ask each
6 other, you know, what kind of safety culture do
7 you have at your company, and vice versa. It's
8 just something that always comes up. And early
9 in my career I just kind of took that for
10 granted. If you work in a company where you
11 have a strong safety culture, it's there. You
12 work with it. It makes your job easier.
13 However, not all companies are the same. And
14 earlier the gentleman from NIOSH showed a chart
15 up on the wall that showed that the average
16 injury rate in industry right now I think is
17 five or so recordable injuries for every 100
18 full-time employees. Well, why is it that some
19 companies have injury rates of one or less than
20 one, and why is it that companies have injury
21 rates of ten or greater than ten? I mean --
22 you know, the five is just the average. And if
23 you look at it on an industry-by-industry
24 basis, I would argue that the reason why you
25 have companies with extremely low injury rates

1 is because they have a strong safety culture.
2 And you know, what do I mean by that? There
3 are different models with respect to safety
4 cultures, what we call safety management
5 systems. And there's the -- OSHA has a VPP
6 model, and if you look at companies that are
7 members of this prestigious VPP program, it's
8 like -- you know, it's like getting the Nobel
9 Prize for safety. OSHA actually recognizes
10 companies that have stellar safety programs,
11 and they're part of this VPP program.
12 And the difference is that these companies that
13 do well have safety management programs in
14 place. And that's an area that I'd like to
15 recommend that OSHA really take a hard look at,
16 and in particular I think there are three areas
17 that I think are extremely important.
18 One of them is management commitment and
19 accountability. The second is employee
20 involvement, and the third is safety
21 leadership.
22 Again, there are a lot of models out there, but
23 what I find difficult is that you can go to
24 reference books and you can find a lot of
25 theoretical information about safety management

1 systems. What I'd like to request that NIOSH
2 do is just develop some practical solutions to
3 improving safety management systems 'cause you
4 can develop all of the -- the nicest-looking,
5 well-written safety programs in the world, and
6 if you don't have safety management systems in
7 place at your company, they're not going to go
8 anywhere. Without those systems in place,
9 basically your safety program is not going to
10 move forward. So I'd like to recommend that
11 NIOSH come up with research and actually come
12 up with some practical solutions and methods
13 for developing effective management commitment
14 programs, employee involvement programs --
15 'cause you won't find -- or you rarely find a
16 strong safety culture that doesn't involve
17 their employees in the safety process. It just
18 doesn't happen.

19 And then lastly with safety leadership, without
20 the leadership throughout the organization,
21 obviously I think there needs to be a focus on
22 senior management, but everybody needs to be a
23 safety leader in a strong safety culture. So
24 with these three areas, how do you define these
25 three areas, what is -- what is -- what is

1 safety management commitment, what is employee
2 involvement, what is safety leadership? What
3 are the best practices, how do you achieve it?
4 And then again, what are practical solutions to
5 developing this strong safety culture? Thank
6 you.

7 **MS. SCHNORR:** (Unintelligible) last presenter.

8 **MS. DELP:** Hi, I'm Linda Delp. I'm the
9 director of the UCLA Labor Occupational Safety
10 and Health program. We -- UCLA LOSH develops
11 programs for a variety of workers from the
12 public and private sectors, from the informal
13 and the formal economy. Our goal is to improve
14 workplace health and safety through
15 participatory education, collaborative research
16 and through promoting policy change.
17 We heard a lot today about often low-wage
18 invisible workers in southern California.
19 We've heard about immigrant workers, garment,
20 restaurant, hotel, janitorial, construction
21 industry, workers that are largely invisible to
22 society. I want to highlight one other sector
23 of the often invisible workforce, and that is
24 the growing number of home care workers who
25 provide critical personal care services to the

1 elderly and disabled.

2 In L.A. County alone there are over 100,000 in-
3 home supportive services workers, and they are
4 predominantly middle-aged women. They're an
5 ethnically diverse group, and about half of
6 them are immigrant workers. And they have a
7 really non-traditional workplace, which is the
8 home. I'm currently analyzing data from over
9 1,600 questionnaires and from six focus group
10 discussions conducted with home care workers, a
11 research project that we undertook with the
12 union that represents home care workers, SEIU
13 434-B, to identify job stressors that are
14 important to home care workers and what kind of
15 support is available to them.

16 From the research findings so far, it's really
17 clear that job-related stressors related to
18 both direct care work, emotional and physical
19 demands and to inadequate home care policies
20 are significantly associated with workers'
21 health and with job satisfaction. What's not
22 completely clear are like what are all the
23 mechanisms through which these different
24 factors operate.

25 What -- I did -- I have learned quite a bit in

1 doing this research, and I want to just
2 highlight a few issues that have emerged based
3 on this experience that I think are important
4 for research. Number one is what should be the
5 research focus, and I do believe that the
6 occupational health needs of this workforce do
7 warrant concerted and systematic research
8 efforts. It's a growing workforce to serve a
9 growing elderly population in our society. The
10 research needs that have been highlighted in
11 the past are lifting, back injuries, bloodborne
12 pathogens -- though we've heard today that
13 those still need some more research. But even
14 more important are the job stressors associated
15 with both direct care work and with the way the
16 work is organized, the schedule, demands, the
17 lack of back-up support and respite care for
18 workers.

19 Secondly is the research approach, which I
20 would say must fundamentally change, as we've
21 heard actually throughout the day. If one of
22 the research goals is to collect valid data
23 that can be used as a foundation for making
24 policy changes, which I believe it should be,
25 then we can't use the traditional research

1 approach -- in particular with the populations
2 of workers that we've been talking about today,
3 with immigrant workers, with workers that work
4 in non-traditional workplaces.
5 What I believe is the only way to actually do
6 valid research is through collaborative
7 partnerships, so -- with -- with the groups
8 that actually represent the workers that are
9 most affected so that research questions can be
10 identified, that all are appropriate to that
11 workforce, so that the questions can be asked
12 in a way that people understand, and so that
13 there's a relationship of trust that's
14 developed so that workers will respond and
15 provide research data that -- that is accurate.
16 This has been referred to a couple of times
17 today as either community-based participatory
18 research or participatory action research.
19 Just one quick example of how that's worked in
20 the research that I've been doing, we actually
21 trained a team of home care workers to
22 interview the other home care workers in, geez,
23 about four different languages. And I would
24 assert that with training and adequate
25 supervision, workers can be as good or better

1 researchers than traditional researchers. They
2 know how to talk to other workers. They have
3 an element of trust with other workers that a
4 lot of researchers don't. And they're
5 passionately involved in wanting to conduct
6 these projects. And a specific example is one
7 of the Chinese worker-interviewers who was
8 having a lot of trouble during our regular
9 hours of making phone calls reaching other
10 Chinese workers. And she's like the only way
11 we can reach these workers is if we call them
12 after they get home from their other jobs.
13 They don't make enough money in home care.
14 They're working in restaurants as well. They
15 don't get home till after 11:30 at night. She
16 said you aren't going to reach them. So we're
17 like okay, you've had enough experience now.
18 Take the surveys home and you can call them at
19 11:30 at night. She -- she came back with the
20 highest response rate of everyone because she
21 knew when and how to reach workers and how to
22 talk to them. And she was very, very
23 interested in making sure that we got the
24 information that -- that would -- from home
25 care workers that would actually result in

1 changes to improve their working conditions.
2 Third is that the research methods need to be
3 diverse, and I would say that we need both
4 quantitative and qualitative methods. You
5 can't really understand what's going on just
6 with survey numbers. They are important,
7 though, to be able to document how many people
8 are affected. But unless you have in-depth
9 interviews or focus groups, you really can't
10 interpret what those results are.

11 And then lastly, worker education has to be a
12 critical component of research. Unless the
13 results of the research are disseminated to the
14 people most affected and they understand what
15 they mean, the research is not going to result
16 in really fundamental change to change
17 workplace health and safety conditions, which I
18 believe ultimately is the goal of our research.
19 Thank you.

20 **MS. SCHNORR:** Thank you all. Is there anyone
21 who I may have missed or who is moved at the
22 moment by all the others who have any comments?

23 (No responses)

24 **CLOSING: TERRI SCHNORR, NIOSH**

25 Okay. With that, I am going to summarize the

1 comments from this afternoon. As I think all
2 of you are aware, the diversity of the services
3 sector came out in a lot of the comments today,
4 so in summarizing I -- there were a number of
5 different populations or subsectors that were
6 mentioned. To highlight a few of them, child
7 care and EMS, immigrant and low-wage workers of
8 which janitors, maids, dry cleaning and car
9 washers were given as an example of a high
10 percentage of those workers; hotel
11 housekeeping, plumbers, pipefitters, wildland
12 firefighters, healthcare, social workers, city
13 workers, postal workers and laundry workers.
14 We were also reminded that the school is a
15 child's workplace, as well.
16 As far as health and safety issues that were
17 raised, musculoskeletal disorders was uniformly
18 commented in nearly every one of these
19 categories, and also noted that these -- these
20 problems are under-reported in the data
21 collection means that we have. Personal
22 protection equipment and transportation issues
23 for emergency medical staff were highlighted.
24 The issue of mixing pedestrian and vehicle
25 traffic, particularly in the postal services,

1 was also brought up. Rest breaks, violence,
2 chemicals including cleaning chemicals and
3 others, voice disorders, bladder infections and
4 asthma, heavy lifting issues with mattresses,
5 pregnancy hazards as a result. Working while
6 injured, the issue of protecting healthcare
7 workers from infectious diseases as to whether
8 the surgical mask recommendation is adequate.
9 Infectious diseases in a number of the
10 subsectors, particularly EMS, schools and
11 healthcare. HIV/AIDS, particularly in
12 developing countries, stress, and we're
13 reminded that clients and staff in the services
14 sector are often inter-related and they have
15 inter-related problems.

16 As far as the recommendations -- I tried to
17 sort these in -- into groupings -- we heard a
18 lot about training and information. We were --
19 it was recommended that we start teaching
20 people at a young age about occupational safety
21 and health, that there should be better worker
22 training at the appropriate level and in the
23 correct language; that peer health advisors are
24 a useful tool for providing this type of
25 information. It was also reminded that we need

1 better dissemination of the information that's
2 already available to the people that need it
3 most, not just the businesses but the workers
4 and particularly small businesses were
5 highlighted.

6 There was also a mention of fitting health and
7 safety into other factors, and some of those
8 other factors that were mentioned were -- that
9 affect health and safety are unpaid wages, low
10 wages, the underground economy, fear of job
11 loss as a result of injuries incurred on the
12 job, the fact that low-wage workers need --
13 often need multiple jobs to make ends meet,
14 lack of access to healthcare. Under-staffing
15 was mentioned several times, and also the issue
16 of, in the government subsector, of the problem
17 of slow hiring which exacerbates the under-
18 staffing problem.

19 It was mentioned by a few people that we need
20 better surveillance and more of it,
21 collaboration with the states as well as on
22 other health outcomes; that -- it was also
23 mentioned that the presence of NIOSH west of
24 the Mississippi should be increased and we
25 should have good coordination between the

1 sectors so we look at the total workforce, not
2 by sector -- each sector by itself.

3 Respiratory protection for airborne viruses --
4 I mentioned that already, sorry. Economic data
5 in research was a recommendation. This was
6 mentioned as an important tool in effecting
7 change in the workplace.

8 There were several recommendations related to
9 regulation and policy. It was -- some felt
10 that it was -- we need better enforcement and
11 implementation of what is on the books. We
12 need to do research that effects changes in
13 health policy, and we need to do work that
14 demonstrates what interventions and regulations
15 work and which ones don't. Related to that,
16 many government workers are not covered by
17 occupational safety and health regulations.
18 In the area of education, there were a number
19 of recommendations. One is that it should be
20 its own sector. In addition, intervention and
21 demonstration projects particularly related to
22 ventilation issues as well as surveillance and
23 increasing partnerships.

24 Recommendations specific to workers
25 compensation -- are somewhere. A common theme

1 is to determine if change and reform is
2 necessary in workers compensation or if they're
3 having any change. The effect of the aging
4 workforce on workers compensation and safety
5 and health was also mentioned and that we need
6 to make more information about workers
7 compensation available in many languages.
8 That's a common theme as well.
9 In the EMS category it was recommended that we
10 do research on design of ambulances and look at
11 national standards for safety for any EMS
12 personnel.
13 There was a concern regarding the sector-based
14 approach, particularly for -- because -- the
15 question is whether it will effectively address
16 health outcomes. One issue is that -- one
17 danger is that it may minimize the basic
18 research to a detrimental degree in the long
19 run. Another is that the surveillance system,
20 as it currently stands, is inadequate to
21 measure a number of the health effects and
22 exposure issues, and there's concern that those
23 might be overlooked because of inadequate
24 surveillance. So -- and as I mentioned, along
25 that line many people recommended better

1 surveillance systems, better surveillance data.
2 Partnerships was a common theme, particularly
3 for follow-up and implementation issues and for
4 leveraging our limited resources. Insurance
5 companies and infectious disease experts were
6 particularly cited as being useful partners to
7 include participatory research as recommended
8 by many. Some mentioned we should look at our
9 workplaces and rethink how the jobs are done as
10 one means of improving the workplace. Others
11 mentioned integrating health promotion with
12 prevention. Another issue was working on how
13 to best sell safety and health to employers to
14 go beyond compliance, and to build that into
15 the safety culture, to improve safety culture
16 in various employers.
17 And finally was a recommendation that we use
18 soft sciences more effectively in occupational
19 safety and health and to start implementing
20 qualitative research as well as quantitative
21 research in our work. And I think that's all I
22 have to say.
23 And if you have more comments, you can still
24 provide them. You can visit the web site and
25 keep giving us some input.

1 **DR. LUM:** We've come to the end of the session.
2 I want to once more -- if there's anyone in the
3 audience that says gee, I really do have an
4 idea, I'd like to come up and talk about it,
5 remember that you can give us that input on the
6 web site. But this is the appropriate time to
7 not only thank you for coming, but look around
8 and thank you for staying. That's also
9 important.

10 Just one final note, I'd like to just -- to
11 thank again our organizers and to provide a
12 placque that commemorates this historic town
13 hall meeting. And I say that really because --
14 you know, the first time around we did town
15 hall meetings and we did three of them. But
16 you'd think from talking to people over the
17 last ten years we must have had a thousand
18 people at each one of those. You know -- oh, I
19 was at the town hall meeting, I was at the town
20 hall meeting. Well, this is a -- this'll
21 provide some evidence that at least we had some
22 support here and we have your signed-in
23 signatures so we know that you were in
24 attendance at this historic town hall meeting.
25 Let me just read this placque. This is to the

1 UCLA Labor Organization Safety and Health
2 Program -- Laurie, could you -- I think you're
3 -- is Cass here or Bill?

4 **UNIDENTIFIED:** (Off microphone)
5 (Unintelligible)

6 **DR. LUM:** Linda? Linda -- oh, this is Linda,
7 sorry, Linda. I've got one -- I should take my
8 glasses off when I read --
9 This is, UCLA Labor and Occupational Safety and
10 Health Program for your leadership in
11 organizing a town hall meeting for the National
12 Occupational Research Agenda. We appreciate
13 your dedication in advancing the safety and
14 health of workers in your region and throughout
15 the nation. Signed by John Howard just a
16 couple of days ago. Thank you very much.

17 **UNIDENTIFIED:** Thank you.

18 **DR. LUM:** Finally --

19 **UNIDENTIFIED:** (Off microphone) Now
20 (unintelligible).

21 **DR. LUM:** -- now it's your turn. The -- this
22 is the -- sort of the survivor. This is the
23 southern California Education and Research
24 Center, the same language, thank you very much
25 again, incredible effort on the ground here to

1 get the town hall meeting set up and, again,
2 thank you for your help.

3 So that brings to a conclusion this town hall
4 meeting. We -- just to remind you that we know
5 a lot of you will probably not be able to come
6 to Washington, but we are going to have the
7 symposium in April and we urge you to stay in
8 touch with us through the web. And I know Sid
9 mentioned this morning and I wanted to correct
10 something that Sid said, you can go onto and
11 sign up for e-news. No, we've signed you up
12 for e-news. We know you need more e-mail and
13 we just know that, and so -- but you can not
14 receive it if you want. You will be getting e-
15 mail -- e-news from NIOSH. It's a monthly
16 publication to keep you up-to-date. And again,
17 thank you for your ideas.

18 Yes, ma'am?

19 **UNIDENTIFIED:** (Off microphone)

20 (Unintelligible) talk a little bit more about
21 the agenda (unintelligible) symposium
22 (unintelligible) objectives are.

23 **DR. LUM:** You know, it's funny, Sid and I go
24 back and forth on this all the time. I say
25 it's a important political meeting. Sid says

1 no, it's a research meeting. It's -- you know,
2 tastes good -- what is it, tastes good, it's
3 light -- I think we go back and forth, so when
4 you have a research question, I'll yield to
5 you, Sid.

6 **DR. SODERHOLM:** Yes, it's both. We will be
7 celebrating the successes of the first decade
8 of NORA. We have approximately 200 posters of
9 research studies and information about other --
10 from other groups who'll be presented. We will
11 be having some provocative speakers, some -- to
12 make us think about better ways to deal with
13 the research to practice issues, all the way
14 from how does basic etiological research affect
15 practice to how does an employer -- a large
16 employer successfully affect practice and how
17 do we do intervention effectiveness research.
18 We will be celebrating the 35th anniversary of
19 the Occupational Safety and Health Act. We
20 will be thanking the team members for the 21
21 NORA priority teams that have worked for ten
22 years and most of them have accomplished
23 wonderful things and have had major effects on
24 their fields. And one of my favorite parts, I
25 don't know if it's scientific or political, is

1 going to be the last day where we'll have eight
2 concurrent workshops, one on each sector, who
3 will be doing some initial multi-- I think I
4 mentioned that this morning, multi-voting on
5 what that group thinks the priorities are
6 within sectors. And then to show that we're
7 not losing the cross-sector issues, we'll
8 follow that with eight cross-sector workshops
9 in what -- you know, unscientifically we've
10 decided we've seen as the highest priority
11 issues that have come up in these town hall
12 meetings, these cross-sector issues where we'll
13 talk about how we work within sectors, how do
14 we work across sectors, what are the next steps
15 to have the most effect in these high priority
16 areas.

17 So it's a -- it's a lot of different things,
18 and I hope you can attend. Do I get the last
19 word this time, Max? We go back and forth
20 here.

21 I want to thank you for coming and remember,
22 this isn't the end. This is the beginning.
23 And I'll interrupt myself because we have
24 another question, and questions are more
25 important.

1 **UNIDENTIFIED:** (Off microphone)

2 (Unintelligible).

3 **DR. SODERHOLM:** The question is will there be a
4 transcript of all the testimony. Yes, there
5 is. We have a member of an overworked
6 workforce in our presence, Ray, and he is a
7 member of the services sector, I might point
8 out, and a small business owner, so Ray has --
9 we have -- we do have the transcript of the
10 very first town hall meeting on the web site,
11 so if you go in where you registered and so on
12 and where you found the details of this
13 meeting, if you go to the first one in College
14 Park you'll see a link for a transcript.
15 You'll actually see a few pictures. We don't
16 put up a couple of thousand, but we do put up a
17 few pictures, and have the transcript there.
18 So as we catch up with these meetings we will
19 have the full transcript of all the meetings
20 and we will be, as I mentioned, analyzing and
21 putting that into the docket where -- you know,
22 in the different categories where it belongs,
23 also.

24 Any other questions?

25 (No responses)

1 So this isn't the end; this is the beginning of
2 the second decade of NORA. Stay involved. If
3 you would like, volunteer to join a research
4 council. If it's in the sector area then you
5 can talk to me or Terri or David. Or if it's
6 in one of the other sectors, then certainly let
7 me know and we will get you connected with the
8 people who are trying to put a balanced
9 research council together.

10 If you can't devote that kind of time but you'd
11 like to keep up on what's going on, you have
12 expertise, please let us know. We'll put you
13 on a mailing list and when there are draft
14 research agendas and other items up there where
15 we'd like feedback, we'll make sure you know
16 that -- that this is an opportune time to visit
17 the web site and to provide some feedback. So
18 there are a number of ways you can continue to
19 participate and I encourage you to do so.

20 And thank you for your -- your longevity in
21 sticking it out today, and -- is Max going to
22 take the final word? -- we're done. Thank you
23 very much.

24 (Whereupon, the meeting was adjourned at 5:00
25 p.m.)

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CERTIFICATE OF COURT REPORTER**STATE OF GEORGIA****COUNTY OF FULTON**

I, Steven Ray Green, Certified Merit Court Reporter, do hereby certify that I reported the above and foregoing on the day of February 21, 2006; and it is a true and accurate transcript of the testimony captioned herein.

I further certify that I am neither kin nor counsel to any of the parties herein, nor have any interest in the cause named herein.

WITNESS my hand and official seal this the 21st day of March, 2006.

STEVEN RAY GREEN, CCR**CERTIFIED MERIT COURT REPORTER****CERTIFICATE NUMBER: A-2102**