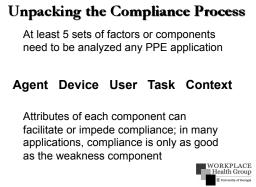
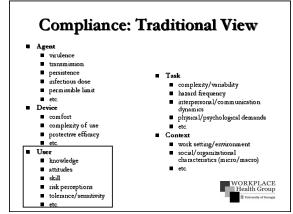


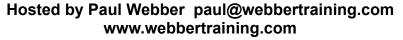
OverviewUnpacking• PPE compliance is not as simple as we might thinkAt least 5
need to be• PPE usage is not just a worker issueCompliance needs to be examined as a multi-
component, behavioral processAgent D• Training is important to compliance, but it is not the
whole storyAttributes
facilitate
facilitate
applications

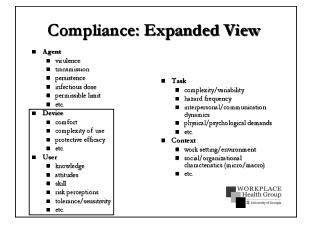
 Safety climate is important but our knowledge base is incomplete

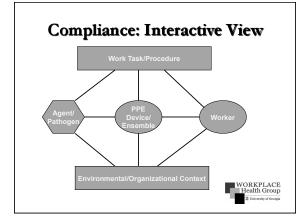


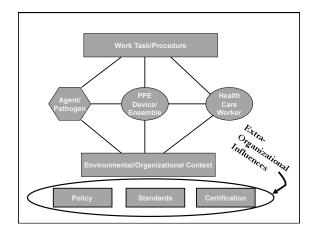


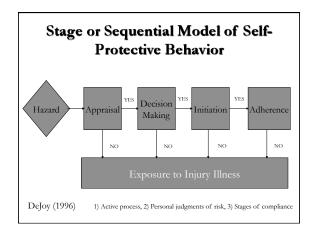




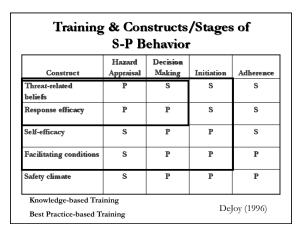


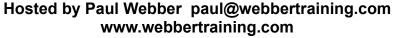






Construct	Hazard Appraisal	Decision Making	Initiation	Adherence
Threat-related beliefs	Р	S	S	S
Response efficacy	Р	Р	S	S
Self-efficacy	S	Р	Р	S
Facilitating conditions	s	Р	Р	Р
Safety climate	S	Р	Р	Р





Training and PPE Compliance

- Training necessary but usually not sufficient
- Correlation between # training hours and compliance is often surprisingly weak
- Type of training is important
 Knowledge-based
 - knowledge and skill development (behavioral capability)
 - Behavioral modeling, practice, and dialogue (2-way
 - communication) (knowledge, skill, & motivation)

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Reinforcement/Feedback and Compliance

- Reinforcing compliance can boost rates of compliance, as can providing feedback on performance
- Works best for simple, discrete, frequently repeated behaviors
- Compliance diminishes with withdrawal of reinforcer
- Approach may be susceptible to "gaming" WORKPLACE Health Group

Safety Climate

<u>Shared</u> perceptions of employees about the importance of safety (the relative importance of)
Shapes behavior-outcome expectations
Management commitment

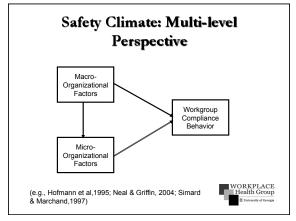
- Enacted policies and procedures (actions > words)
- Social exchange
- Leading indicator of safety performance



Safety Climate: Knowledge Base

- Uni-dimensional or Multi-dimensional concept
- No universal agreement on key dimensions of safety climate
- Limited understanding of safety climate antecedents
- Very limited research on safety climate interventions



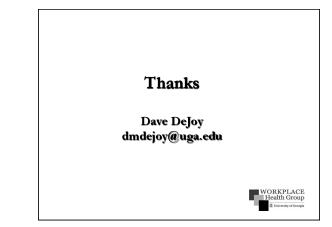




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Conclusions

- PPE should considered as part of a comprehensive hazard control strategy
- PPE compliance is a multi-component, behavioral process
- Workers activity make judgments of personal risk
- Different factors are important at difference stages of compliance These are potential leverage points
 Training is important but it needs to go beyond basic knowledge
- Facilitating (enabling) conditions and workplace climate enhance transfer of training, and are key to day-to-day, ongoing compliance
- Micro-organizational factors may be initial priority for climate-related intervention
- Participatory/involvement strategies may be more effective than formal/organizational policy statements





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