IH Metrics in draft DoDI 6055.5

Occupational & Environmental Health Surveillance

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with Air Force data provided by LtCol Alan Dooley, CIH HQ USAF/SGP

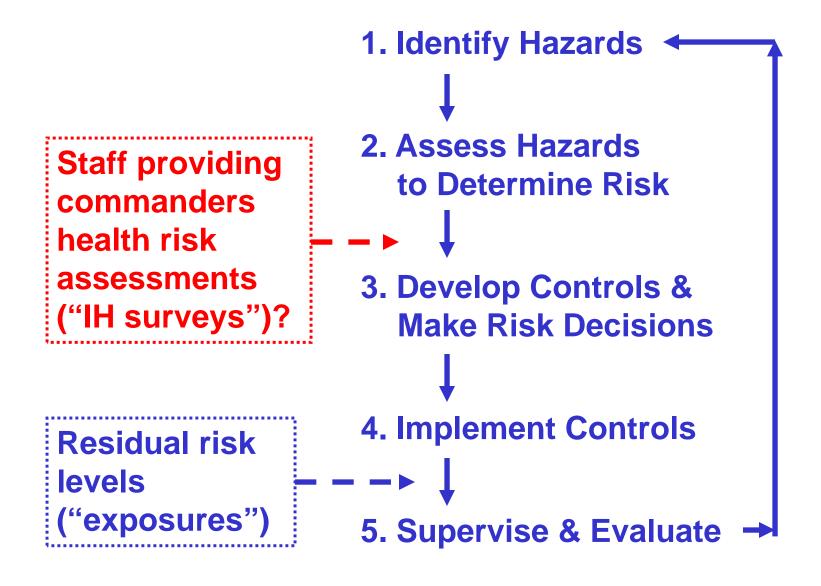
Purpose of DoDI 6055.5

- Implement Operational Risk
 Management (ORM) for health hazards
- Evaluate and control health hazards
- Occupational & environmental exposures
- Include military operations

ORM Steps ---- IH Steps

1. Identify Hazards **Anticipate Identify** 2. Assess Hazards to Determine Risk **Evaluate** 3. Develop Controls & **Make Risk Decisions** 4. Implement Controls **Control** 5. Supervise & Evaluate

2 Types of Metrics for ORM



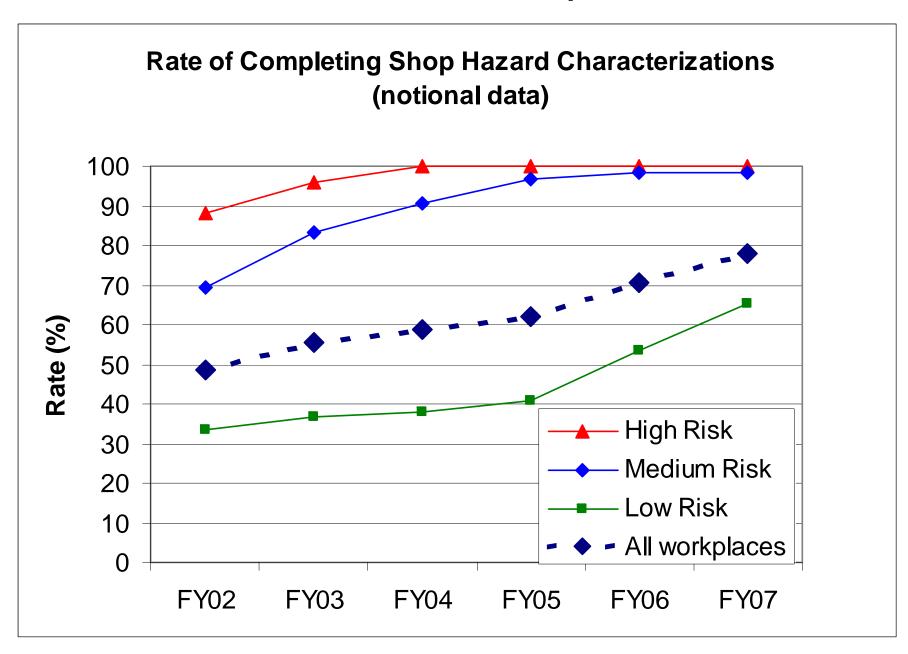
IH Survey Completion "Percent of Shop Hazard Characterizations Completed"

shops assessed x 100%

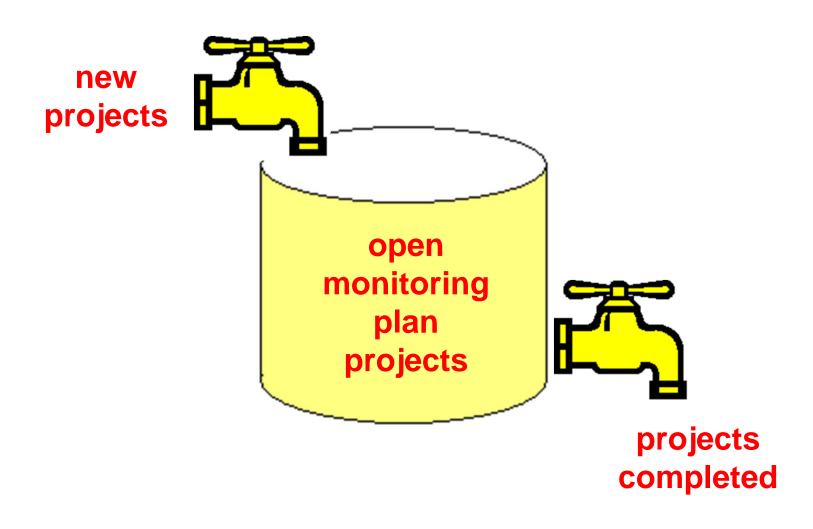
shops requiring assessment

- Requiring assessment
 - frequency from DoD Component policy
- Assessed
 - basic characterization of health hazards in a shop
 - report sent to commander or shop supervisor

Notional Example

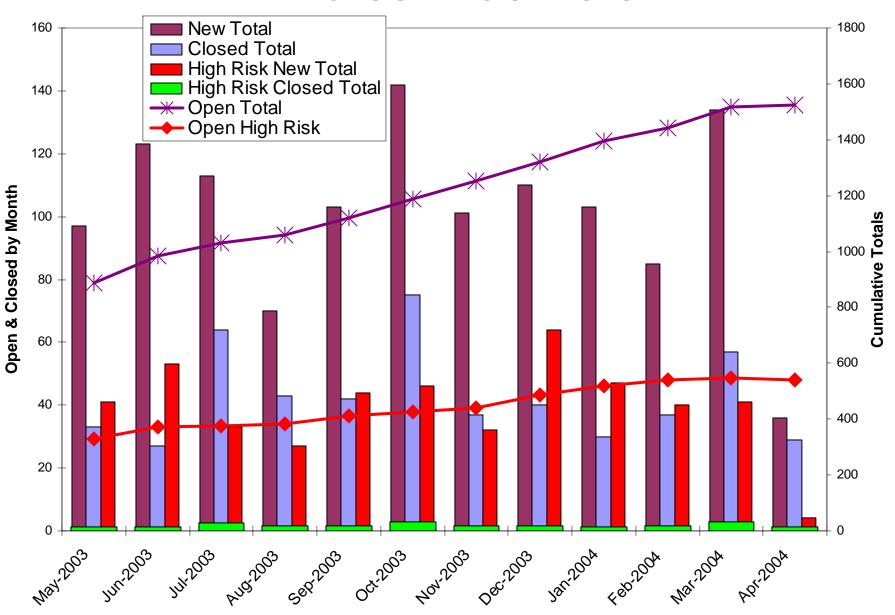


IH Survey Completion "Monitoring Plan Completed"

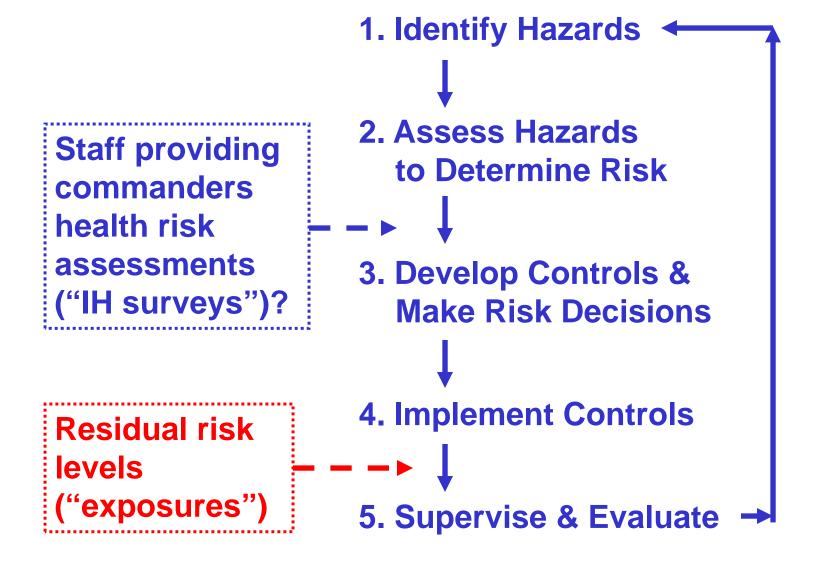


Example: Monitoring Plan Completed

Air Force-wide Data



2 Types of Metrics for ORM

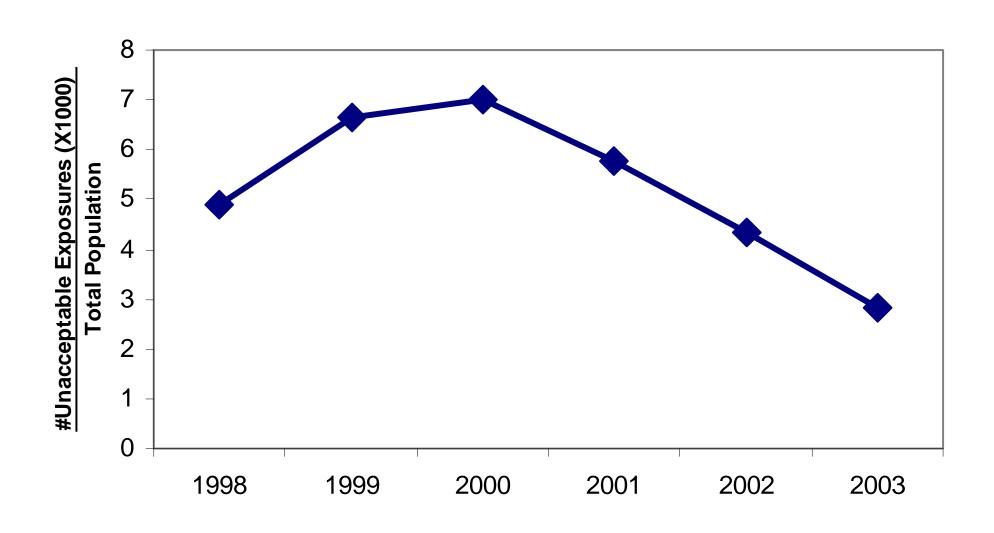


Exposures "Index of Unacceptable Exposures"

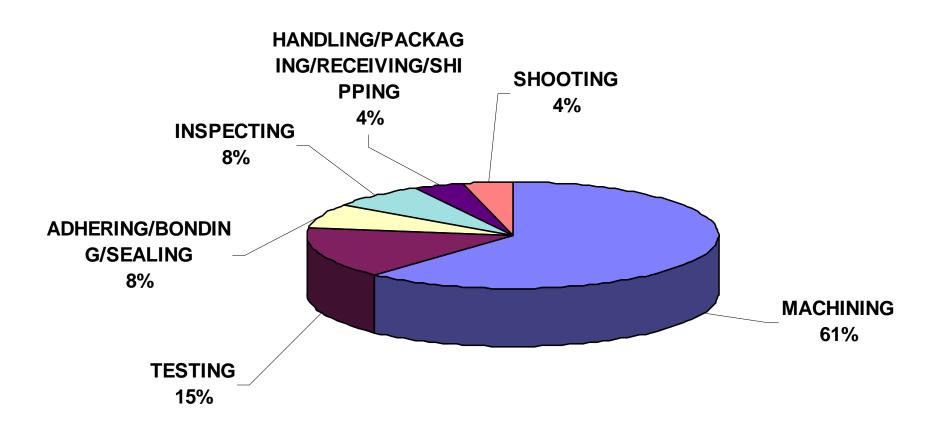
unacceptable exposures # of total population

- # of total population
 - number of people in an organization
- # of unacceptable exposures
 - exposures > OEL
 - evidence of adverse health effects
 - e.g., musculoskeletal disorder
 - count each unacceptable hazard

Index of Unacceptable Exposures Noise in AFMC



Overexposures by Process Noise in AFMC

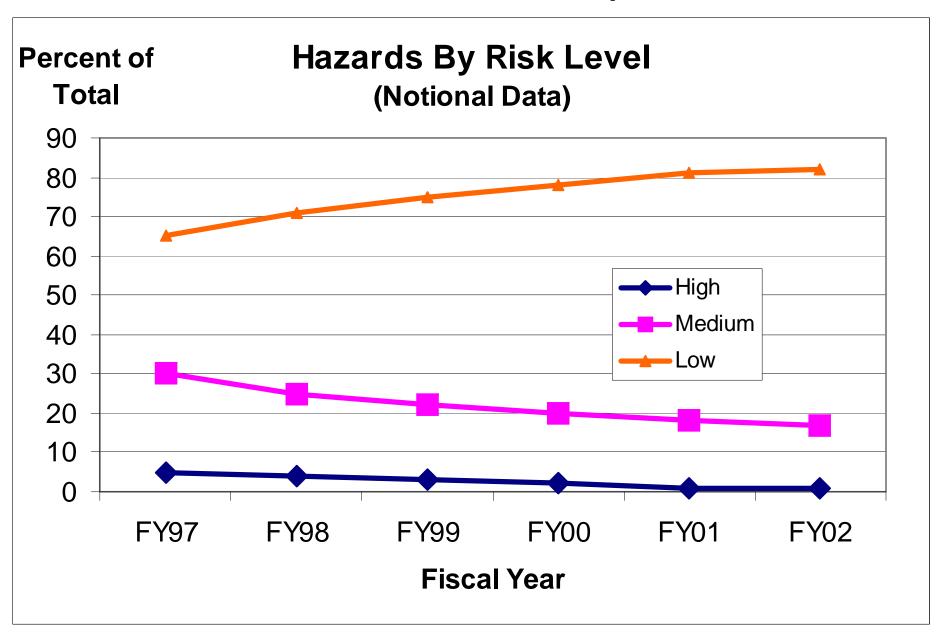


Exposures "Percent of Hazards by Risk Level"

high/medium/low risk hazards x 100%
of total hazards (unacceptable exposures)

- # of total hazards
 - total # of hazard exposures identified during basic characterization and assigned a risk level
- # of high/medium/low risk hazards
 - # of hazards within each of the 3 risk levels
 - risk levels updated with new evidence

Notional Example



Conclusion: Measuring Implementation of ORM

1. Identify Hazards 2. Assess Hazards **Staff providing** to Determine Risk commanders health risk assessments 3. Develop Controls & ("IH surveys")? **Make Risk Decisions** 4. Implement Controls Residual risk levels ("exposures") 5. Supervise & Evaluate