For the 953 Series Metrics 953-04 through 953-11, Data is extracted from the Defense Occupational and Environmental Health Readiness System-Industrial Hygiene (DOEHRS-IH) and top-loaded to the ISR.

953 – 04 – Data Element Calculation Example

There are 2500 personnel working at Fort Anywhere. The Industrial Hygienist (IH) assessed the work environments of 100 of the personnel at risk for an inhalation exposure and developed Similar Exposure Groups (SEG) based on that data that included 300 personnel. The IH determined that 50 of these 300 personnel had inhalation exposures at or above the OEL. Of those 50 over-exposures, there are no controls (administrative, personnel protective equipment, engineering) in place for 30. To ensure sufficient data is available in DOEHRS-IH to extract this metric the following is required:

1. Establish the Program Office
2. Add Supported Organizations
3. Capture Shops
4. Capture Processes
5. Capture Shop Personnel and assign to relevant processes
6. Capture Hazards
7. Capture Controls related to hazards
8. Establish SEG
9. Enter Air Breathing Zone Samples at SEG level
10. Calculate TWAs

Improvement in this metric will result if the IH Program Manager is able to identify control measures and work collaboratively with local safety, facilities, and medical personnel to implement the measures.

Calculation:

a= Breathing Zone samples above Occupational Exposure Limit (OEL), with no controls.
b= Breathing Zone samples above Occupational Exposure Limit (OEL).

Data element ‘a’ = 30
Data element ‘b’ = 50
Performance Measure = 30/50 X 100% = 60% which is Red

953 – 05 - Data Element Calculation Example

Soldiers rotate through Camp Swampy every year. The Industrial Hygienist (IH) assessed 15 Soldier work environments (shops), conducted full shift noise dosimetry, and created five Similar Exposure Groups (SEG). Two of the SEG consistently showed exposure to noise at or above 85 dbA based on 20 dosimetry samples in each SEG. The Soldiers assigned to the SEG-Motor Vehicle Maintenance, worked full shifts, did not

consistently use hearing protection, and used power tools without noise mitigation devices. No noise control was in place. To ensure sufficient data is available in DOEHRS-IH to extract this metric the following is required:

1. Establish the Program Office
2. Add Supported Organizations
3. Capture Shops
4. Capture Processes
5. Capture Shop Personnel and assign to relevant processes
6. Capture Noise Hazard
7. Capture Controls related to Noise hazard
8. Establish SEG
9. Enter Personal Noise Dosimetry at SEG level
10. Calculate TWAs

Improvement in this metric will result if the IH Program Manager is able to identify control measures and work collaboratively with local safety, facilities, and medical personnel to implement the measures.

Calculation:

a= Number of Personal Noise Dosimetry samples >= 85 dBA with no controls.
b= Number of Personal Noise Dosimetry samples >= 85 dBA.

Data element 'a' = 20
Data element 'b' = 40
Performance Measure = 20/40 X 100% = 50.0% which is Red

953 – 08 – Data Element Calculation Example

There are 2500 personnel working at Fort Anywhere. The Industrial Hygienist (IH) assessed the work environments of 100 of the personnel at risk for an inhalation exposure and developed Similar Exposure Groups (SEG) for 300 personnel. The IH determined that 50 of these 300 personnel had inhalation exposures at or above the OEL. Of those 50 over-exposures, there are no controls (administrative, personnel protective equipment, engineering) in place for 30. Of those 30 where there are no controls 10 have recommendations for controls. To ensure sufficient data is available in DOEHRS-IH to extract this metric the following is required:

1. Establish the Program Office
2. Add Supported Organizations
3. Capture Shops
4. Capture Processes
5. Capture Shop Personnel and assign to relevant processes

6. Capture Hazards
7. Capture Controls related to hazards
8. Establish SEG
9. Enter Air Breathing Zone Samples at SEG level
10. Calculate TWAs
11. Recommend Controls under the SEG Hyperlink for Samples over OEL.

Improvement in this metric will result if the IH Program Manager is able to identify control measures and work collaboratively with local safety, facilities, and medical personnel to implement the measures.

Calculation:

a= Number of Breathing Zone samples above Occupational Exposure Limit (OEL) not controlled, that are recommended for control.
b= Number of Breathing Zone samples above Occupational Exposure Limit (OEL) not controlled.

Data element 'a' = 10
Data element 'b' = 30
Performance Measure = 10/30 X 100% = 33% which is Amber

953 – 09 - Data Element Calculation Example

Soldiers rotate through Camp Swampy every year. The Industrial Hygienist (IH) assessed 15 Soldier work environments (shops), conducted full shift noise dosimeter, and created five Similar Exposure Groups (SEG). Two of the SEG consistently showed exposure to noise at or above 85 dBA based on 20 dosimetry samples in each SEG. The Soldiers assigned to the SEG-Motor Vehicle Maintenance, worked full shifts, did not consistently use hearing protection, and used power tools without noise mitigation devices. No noise control was in place. However, in one of the SEG an IH recorded control recommendations. To ensure sufficient data is available in DOEHRS-IH to extract this metric the following is required:

1. Establish the Program Office
2. Add Supported Organizations
3. Capture Shops
4. Capture Processes
5. Capture Shop Personnel and assign to relevant processes
6. Capture Noise Hazard
7. Capture Controls related to Noise hazard
8. Establish SEG
9. Enter Personal Noise Dosimetry at SEG level
10. Calculate TWAs
11. Recommend Controls under the SEG Hyperlink for Samples over OEL.

Improvement in this metric will result if the IH Program Manager is able to identify control measures and work collaboratively with local safety, facilities, and medical personnel to implement the measures.

Calculation:

a= Number of Personal Noise Dosimetry samples >= 85 dBA with no controls.
b= Number of Personal Noise Dosimetry samples >= 85 dBA.

Data element 'a' = 20
Data element 'b' = 40
Performance Measure = 20/40 X 100% = 50.0% which is Red.

953 – 10 – Data Element Calculation Example

A Priority 1 Shop requires an annual review based on lack of information or documented hazards, insufficient controls, regulation or other criteria.

There are 2500 personnel working at Fort Anywhere. The Industrial Hygienist (IH) assessed the work environments and determined that there are 76 Priority 1 Shops. The IH program Manager scheduled visits in DOEHRS Master Schedule to these 76 shops throughout the calendar year. These visits vary from IH sampling to Periodic Surveys. When data is reviewed at the end of the 1st quarter of FY 2010 Fort Anywhere completed 65 tasks on Priority 1 Shops for the date range of 1 Jan 2009 to 31 Dec 2009. To ensure sufficient data is available in DOEHRS-IH to extract this metric the following is required:

1. Establish the Program Office
2. Add Supported Organizations
3. Capture Shops
4. Schedule Visits to Priority 1 Shops in Master Schedule
5. Complete the Master Schedule Task
6. Capture a Close Date for the Master Schedule Task.

Calculation:

a= Total number of DOEHRS-IH shops coded as Priority 1 which have at least one task performed in the past 12 months.
b= Total number of DOEHRS-IH shops coded as Priority 1

Data element 'a' = 65
Data element 'b' = 76
Performance Measure = 65/76 X 100% = 86%, which is Green.

953 – 11 – Data Element Calculation Example

Fort Anywhere IH program office recorded 100 organizations for which they provide service. There are 2500 personnel assigned to the 100 UICs. The program office recorded Priority 1, 2 and 3 shops and recorded 998 personnel in those shops. To ensure sufficient data is available in DOEHRS-IH to extract this metric the following is required:

1. Establish the Program Office
2. Add Supported Organizations
3. Capture Shops
4. Capture Shop Personnel

Calculation:

a= Number of personnel (DoD ID) assigned DOEHRS-IH priority code.
b= Total number of personnel (DoD ID) in installation UIC list.

Data element ‘a’ = 998
Data element ‘b’ = 2500
Performance Measure = 998/2500 X 100% = 40%, which is Red.

953-06 is similar to 953-04-05

953-07 is similar to 953-08-09