



Analysis of Census Form and DOEHRS Data for Sample Plaintiff Population



Figure 1. Active Plaintiffs by Injury Asserted in Census Form







Approach 1 -Measuring Shifts Between First and Last AGs

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Figure 4. Plaintiffs Asserting Hearing Loss with DOEHRS Data and More than One AG by Maximum Threshold Shift(s) Between First and Last AG





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Approach 2 -**Measuring Shifts Between Reference AG Closest to Earplug Use Start Date and AG Closest to Earplug Use End Date**

Figure 6. Plaintiffs Asserting Hearing Loss by Maximum Threshold Shift(s) Between Reference AG Closest to Earplug Use Start Date and AG Closest to Earplug Use End Date







Approach 3 -AMA Impairment Comparison Between First and Last AGs

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D-1. Plaintiffs With More than One Audiogram 500





Figure 7. Plaintiffs by Net Percentage of AMA Hearing Loss in Left Ear Under Approach 3



Figure 8. Plaintiffs by Net Percentage of AMA Hearing Loss in Right Ear Under Approach 3



Figure 9. Plaintiffs by Net Percentage of AMA Hearing Loss in Both Ears Under Approach 3





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Approach 4 -**AMA Impairment Comparison Between Reference AG Closest to Earplug Use Start and AG Closest** to Earplug Use End

E-1. Plaintiffs With Earplug Use Dates in Census Form 500



E-3. Hearing Loss in Either or Both Ears

Figure 10. Plaintiffs by Net Percentage of AMA Hearing Loss in Left Ear Under Approach 4



Figure 11. Plaintiffs by Net Percentage of AMA Hearing Loss in Right Ear Under Approach 4



Figure 12. Plaintiffs by Net Percentage of AMA Hearing Loss in Both Ears Under Approach 4





Comparison of Approaches

Figure 13. Percentage of Plaintiffs by Severity of Shift and Approaches



Analysis Approach

Approach 1 - First to Last

Approach 2 - Earplug Use Start and End

Figure 14. Plaintiffs Asserting Hearing Loss by Maximum Threshold Shift(s) Between Reference AG Closest to Earplug Use Start Date and AG Closest to Earplug Use End 158 Date (500 & 1000 Hz only)





● Shift of <=0 dB ● Shift of +5 dB ● Shift of +10 dB ● Shift of +15 dB ● Shift of +20 dB ● Shift of +25 to 45 dB ● Shift of +50 or More dB







Tinnitus: Approach 1 -Measuring Shifts Between First and Last AGs

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Figure 17. Plaintiffs Asserting Tinnitus with DOEHRS Data and More than One AG by Maximum Threshold Shift(s) Between First and Last AG







Tinnitus: Approach 2 -Measuring Shifts Between Reference AG Closest to Earplug Use Start Date and AG Closest to Earplug Use End Date

Figure 19. Plaintiffs Asserting Tinnitus by Maximum Threshold Shift(s) Between Reference AG **Closest to Earplug Use Start Date and AG Closest to Earplug Use End Date**





Tinnitus: Comparison of Approaches

Figure 20. Percentage of Plaintiffs by Severity of Shift and Approaches



Analysis Approach • Approach 1 - First to Last • Approach 2 - Earplug Use Start and End