

HEARING IMPAIRMENT CALCULATION WORKSHEET

Date 10/1/95	Date of audiogram 7/5/95	Claim number A111111
Name George Worker		Hours since last exposure to noise (must be more than 14) 48

A.N.S.I. 1969

Monaural Hearing Loss Formula:

$$([([500 \text{ Hz} + 1000 \text{ Hz} + 2000 \text{ Hz} + 3000 \text{ Hz}] \div 4) - 25] \times 1.5) = \% \text{ of loss}$$

LEFT EAR (X)	
Hz	dB level
500	35
1000	25
2000	20
3000	35
Total	115
STOP here if total is 100 or less	
Avg threshold for 4 frequencies	÷ 4 = 28.75
Less threshold fence of 25 dB	- 25 = 3.75
Multiplied by 1.5 equals the % of monaural loss	x 1.5 = 5.63
Add rating for tinnitus of 0 through 5%	2.0
Total percent monaural hearing loss	7.63

RIGHT EAR (O)	
Hz	dB level
500	35
1000	25
2000	20
3000	25
Total	105
STOP here if total is 100 or less	
Avg threshold for 4 frequencies	÷ 4 = 26.25
Less threshold fence of 25 dB	- 25 = 1.25
Multiplied by 1.5 equals the % of monaural loss	x 1.5 = 1.88
Add rating for tinnitus of 0 through 5%	2.0
Total percent monaural hearing loss	3.88

STOP HERE IF EITHER OF THE MONAURAL HEARING LOSS %'s ARE ZERO!!!

Combined Hearing Loss Formula:

$$([\% \text{ better ear} \times 5] + [\% \text{ worse ear}]) \div 6 = \% \text{ of loss}$$

% better ear	3.88	x 5 =	19.4
Plus % worse ear		+	7.63
		Sub-Total	27.03
Sub-Total divided by 6		÷ 6 =	4.51

% Binaural
Hearing Loss

HEARING IMPAIRMENT CALCULATION WORKSHEET

Date 10/1/95	Date of audiogram 7/5/95	Claim number A111111
Name Joe Worker		Hours since last exposure to noise (must be more than 14) 48

A.N.S.I. 1969
 Monaural Hearing Loss Formula:

$$(((500 \text{ Hz} + 1000 \text{ Hz} + 2000 \text{ Hz} + 3000 \text{ Hz}) \div 4) - 25) \times 1.5 = \% \text{ of loss}$$

LEFT EAR (X)

Hz	<u>dB level</u>
500	<u>35</u>
1000	<u>25</u>
2000	<u>20</u>
3000	<u>35</u>
Total	<u>115</u>
STOP here if total is 100 or less	
Avg threshold for 4 frequencies	$\div 4 =$ <u>28.75</u>
Less threshold fence of 25 dB	$- 25 =$ <u>3.75</u>
Multiplied by 1.5 equals the % of monaural loss	$\times 1.5 =$ <u>5.63</u>
Add rating for tinnitus of 0 through 5%	<u>2.0</u>
Total percent monaural hearing loss	<u>7.63</u>

RIGHT EAR (O)

Hz	<u>dB level</u>
500	<u>35</u>
1000	<u>25</u>
2000	<u>20</u>
3000	<u>25</u>
Total	<u>105</u>
STOP here if total is 100 or less	
Avg threshold for 4 frequencies	$\div 4 =$ <u>26.25</u>
Less threshold fence of 25 dB	$- 25 =$ <u>1.27</u>
Multiplied by 1.5 equals the % of monaural loss	$\times 1.5 =$ <u>1.88</u>
Add rating for tinnitus of 0 through 5%	<u>2.0</u>
Total percent monaural hearing loss	<u>3.88</u>

STOP HERE IF EITHER OF THE MONAURAL HEARING LOSS %'s ARE ZERO!!!

Combined Hearing Loss Formula:

$$([\% \text{ better ear} \times 5] + [\% \text{ worse ear}]) \div 6 = \% \text{ of loss}$$

% better ear	<u>3.88</u>	$\times 5 =$	<u>19.4</u>
Plus % worse ear		$+$	<u>7.63</u>
	Sub-Total		<u>27.03</u>
Sub-Total divided by 6		$\div 6 =$	<u>4.51</u>

% Binaural
Hearing Loss