

## How to Calculate a Significant Threshold Shift (STS)

An STS is calculated in two steps.

Step 1: Subtract the summed reference levels (baseline audiogram) from the summed current levels at 2000, 3000, and 4000 Hz.

Step 2: Take the difference in summed hearing levels calculated at 2000, 3000, and 4000 Hz and divide each by three.

### STEP 1

Current Audiogram

Date:

Left

Right

$$2K (\text{____}) + 3K (\text{____}) + 4K (\text{____}) = \text{_____}$$

$$2K (\text{____}) + 3K (\text{____}) + 4K (\text{____}) = \text{_____}$$

- (MINUS)

- (MINUS)

Baseline Audiogram

Date:

Left

Right

$$2K (\text{____}) + 3K (\text{____}) + 4K (\text{____}) = \text{_____}$$

$$2K (\text{____}) + 3K (\text{____}) + 4K (\text{____}) = \text{_____}$$

Current Audio Sum – Baseline Audio Sum for each ear separately: Left

Right

### STEP 2

Left Ear Difference / 3 =

Right Ear Difference / 3 =

STS is defined as a change in hearing of an average of  $> \pm 10$  dB at 2000, 3000 and 4000 Hz in either ear and/or any change of  $> \pm 15$  dB at 1000, 2000, 3000 or 4000 Hz in either ear, relative to the current baseline audiogram.