

**Appendix**  
Responses to Survey Items

Question	Students %(n)	Faculty %(n)	Total %(n)
<b>1. Status</b>	(77.8 (105)	22.2 (30)	100 (135)
<b>Skipped Question</b>	0 (0)	0 (0)	0 (0)
<b>2. From which of the following have you ever heard about a risk of music to hearing? (Check all that apply)</b>			
<i>Pre-college music teacher</i>	24.8 (26)	10 (3)	21.5 (29)
<i>College music professor</i>	27.6 (29)	40(12)	30.4 (41)
<i>Orchestra/band conductor</i>	21.9 (23)	16.7 (5)	20.7 (28)
<i>Musician friend</i>	44.8 (47)	56.7(17)	47.4 (64)
<i>Health care provider</i>	20.9 (22)	20 (6)	20.7 (28)
<i>News/Internet</i>	40 (42)	43.3 (13)	40.7 (55)
<i>Professional journal</i>	10.5 (11)	33.3 (10)	15.6 (21)
<i>Never been told</i>	26.7 (28)	13.3 (4)	23.7 (32)
Skipped Question	1.9 (2)	0(0)	1.5 (2)
<b>3. Which of the following do you think can occur as a result of prolonged exposure to loud orchestral music playing? (Check all that apply)</b>			
<i>Oversensitivity to everyday loud sounds which don't bother others</i>	40.9 (43)	50 (15)	42.9 (58)
<i>The perception of two different pitches in the two ears from the same sound</i>	13.3 (14)	20 (6)	14.8 (20)

<i>Ringling, buzzing or hissing</i>	75.2 (79)	66.7 (20)	73.3 (99)
<i>In the ear (tinnitus)</i>			
<i>Pitch starts to sound flat</i>	12.4 (13)	13.3 (4)	12.6 (17)
<i>None of the above</i>	18.1 (19)	26.7 (8)	20 (27)
<b>Skipped Question</b>	0 (0)	3.3 (1)	0.7 (1)

**4. Which of the following types of sound can be loud enough to damage your hearing? (Check all that apply)**

<i>Motorboat</i>	69.5 (73)	66.7 (20)	68.9 (93)
<i>A single violin playing</i>	14.3 (15)	30 (9)	17.8 (24)
<i>Spectator sporting event</i>	62.9 (66)	70 (21)	64.4 (87)
<i>A single piccolo playing</i>	40 (42)	60 (18)	44.4 (60)
<i>None of the above</i>	14.3 (15)	16.7 (5)	14.8 (20)
<b>Skipped Question</b>	0 (0)	0 (0)	0 (0)

**5. Hearing a very loud sound even once can cause permanent loss of hearing.**

<i>True</i>	61.9 (65)	60 (18)	61.5 (83)
<i>False</i>	34.3 (36)	36.7 (11)	34.8 (47)
<b>Skipped Question</b>	3.8 (4)	3.3 (1)	3.7 (5)

**6. What do you think is the sound level that can start to damage human hearing?**

<i>85 dBA</i>	19 (20)	30 (10)	21.5 (30)
<i>95 dBA</i>	26.7 (28)	20 (6)	25.9 (34)
<i>100 dBA</i>	19 (20)	10 (3)	17 (23)
<i>105 dBA</i>	12.4 (13)	13.3 (4)	12.6 (17)
<i>None of the above</i>	8.6 (9)	0 (0)	6.7 (9)
<b>Skipped Question</b>	14.3 (15)	26.7 (8)	17 (23)

**7. When did you have your hearing tested last?**

<i>W/in past year</i>	12.4 (13)	13.3 (4)	12.6 (17)
<i>1-3 years</i>	20 (21)	26.7 (8)	21.5 (29)
<i>3+ years</i>	38.1 (40)	33.3 (10)	37 (50)
Don't remember/Never	29.5 (31)	26.7 (8)	21.9 (39)
<b>Skipped Question</b>	0 (0)	0 (0)	0 (0)

**8. Which of the following are advantages of hearing protection strategies in your opinion? (Check all that apply)**

<i>Make sounds more comfortable</i>	49.5 (52)	50 (50)	49.6 (102)
<i>Reduces risk that music will sound flat</i>	18.1 (19)	10 (3)	16.3 (22)
<i>Prevents ringing, buzzing or hissing in the ear (tinnitus)</i>	72.4 (76)	60 (18)	69.6 (94)
<i>Saves my hearing</i>	80.9 (85)	83.3 (25)	81.5 (110)
<i>Prevents fatigue</i>	31.4 (33)	36.7 (11)	32.6 (44)
<i>None of the above</i>	1.9 (2)	3.3(1)	2.2 (3)
<b>Skipped Question</b>	3.8(4)	6.7 (2)	4.4 (6)

**9. Check below your frequency of use of each of the following hearing protection strategies during professional music practice/performance.**

Ear Plugs

<i>Always</i>	1.9 (2)	3.3 (1)	2.9 (3)
<i>Often</i>	9.5 (10)	10 (3)	9.6 (13)
<i>Sometimes</i>	20 (21)	26.7 (8)	21.5 (29)
<i>Never</i>	55.2(58)	46.7 (14)	53.3 (72)
Not relevant	12.4 (13)	10 (3)	11.8 (16)

Measure sound exposure levels

<i>Always</i>	9 (1)	3.3 (1)	1.5 (2)
Often	1.9 (2)	3.3 (1)	2.2 (3)
Sometimes	3.8 (4)	3.3 (1)	3.7 (5)
Never	71.4 (75)	73.3 (22)	71.8 (97)
<i>Not relevant</i>	12.4 (13)	10 (3)	11.8 (16)

Elevate speakers/amps

<i>Always</i>	5.7 (6)	10 (3)	6.7 (9)
<i>Often</i>	15.2 (16)	10 (3)	14.1 (19)
Sometimes	20.9 (22)	16.7 (5)	20 (27)
Never	40 (42)	36.7 (11)	39.3 (53)
<i>Not relevant</i>	16.2 (17)	20 (6)	21.5 (23)

Take a break from exposure

<i>Always</i>	14.3 (15)	10 (3)	13.3 (18)
Often	16.2 (17)	23.3 (7)	17.8 (24)
<i>Sometimes</i>	44.8 (47)	13.3 (4)	37.8 (51)
<i>Never</i>	15.2 (16)	33.3 (10)	19.3 (26)
Not relevant	8.6 (9)	10 (3)	8.9 (12)

Use shields when playing

<i>Always</i>	0.9 (1)	0 (0)	0.7 (1)
Often	3.8 (4)	6.7 (2)	4.4 (6)
<i>Sometimes</i>	7.6 (8)	16.7 (5)	9.6 (13)
<i>Never</i>	58.1 (61)	43.3 (13)	54.8 (74)
Not relevant	26.7 (28)	26.7 (8)	26.7 (36)

**Skipped Question**

0.9 (1)	3.3 (1)	1.5 (2)
---------	---------	---------

**10. If you do not use earplugs or use them infrequently, check reasons for non-use. (Check all that apply)**

<i>Not needed</i>	41.9 (44)	23.3 (7)	37.8 (51)
<i>Problem w/monitoring sound</i>	27.6 (29)	30 (9)	28.1 (38)
<i>Alteration of sound</i>	29.5 (31)	20 (6)	27.4 (37)
Problem speaking w/others	14.3 (15)	23.3 (7)	16.3 (22)
Unable to hear env. sounds	30.5 (32)	40 (12)	32.6 (44)
<i>Doesn't fit/stay in ear</i>	14.3 (15)	13.3 (4)	14.1 (19)
<i>Not effective</i>	4.8 (5)	6.7 (2)	5.2 (7)
<i>Don't like how it looks</i>	7.6 (8)	0 (0)	5.9 (8)
<i>Hassle to deal with</i>	22.9 (24)	23.3 (7)	22.9 (31)
<i>Not comfortable</i>	24.8 (26)	16.7 (5)	22.9 (31)
<i>Cost</i>	6.7 (7)	3.3 (1)	5.9 (8)
<i>Don't know</i>	8.6 (9)	3.3 (1)	7.4 (10)
<i>None of the above</i>	7.6 (8)	6.7 (2)	7.4 (10)
<b>Skipped Question</b>	10.5 (11)	23.3 (7)	13.3 (18)

**11. Are you in favor of some hearing loss prevention instruction as part of a music course of study?**

<i>Yes</i>	64.8 (68)	83.3 (25)	68.9 (93)
<i>No</i>	35.2 (37)	13.3 (10)	30.4 (47)
<b>Skipped Question</b>	0 (0)	3.3 (1)	0.7 (1)

**12. Why not? (Check all that apply) \*Of those who checked no to Question 11**

	<b>(N=37)</b>	<b>(N=4)</b>	<b>(N=41)</b>
Music exp. not a concern	27 (10)	25 (1)	26.8 (11)
<i>Musicians already take action</i>	29.7 (11)	25 (1)	29.3 (12)

<i>Ineffective instruction</i>	24.3 (9)	0 (0)	21.9 (9)
<i>Too many other areas to cover in program</i>	62.2 (23)	25 (1)	58.5 (24)
<b>Skipped Question</b>	8.1 (3)	25 (1)	9.8 (4)

**13. What would you like to learn more about? (Check all that apply)**

<i>Basic ear acoustics</i>	56.2 (59)	53.3 (16)	55.6 (75)
<i>Sound induced hearing loss/ and abnormalities assoc. w/ it</i>	59 (62)	73.3 (22)	62.2 (84)
<i>Anatomy and Physiology of the ear</i>	44.8 (47)	36.7 (11)	43 (58)
<i>Hearing protection strategies</i>	61.9 (65)	80 (24)	65.9 (89)
<i>None of the above</i>	7.6 (8)	6.7 (2)	7.4 (10)
<b>Skipped Question</b>	2.9 (3)	3.3 (1)	3 (4)

**14. What methods would you prefer? (Check all that apply)**

<i>As part of a college course</i>	29.5 (31)	43.3 (13)	32.6 (44)
<i>Periodic workshops during program</i>	38.1 (40)	53.3 (16)	41.5 (56)
<i>Periodic ins. by music professors</i>	44.8 (47)	30 (9)	41.5 (56)
<i>Referral to relevant websites</i>	33.3 (35)	53.3 (16)	37.8 (51)
<i>Periodic emails w/information</i>	28.6 (30)	33.3 (10)	29.6 (40)
<i>None of the above</i>	7.6 (8)	3.3 (1)	6.7 (9)
<b>Skipped Question</b>	2.9 (3)	3.3 (1)	3 (4)

**15. If offered by the college, I would be interested in: (Check all that apply)**

<i>Measure of iPod volume(damaging lvl.)</i>	51.4(54)	53.3 (16)	51.8 (70)
<i>Free annual hearing screening</i>	82.9 (87)	80 (24)	82.2 (111)
<i>Assistance on use of sound exp. apps</i>	35.2 (37)	46.7 (14)	37.8 (51)
<i>None of the above</i>	8.6 (9)	10 (3)	8.9 (12)

<b>Skipped Question</b>	5.7 (6)	3.3 (1)	5.2 (7)
-------------------------	---------	---------	---------

**16. Age:**

<i>Under 30</i>	83.8 (88)	10 (3)	67.4 (91)
-----------------	-----------	--------	-----------

<i>31-50</i>	12.4 (13)	43.3 (13)	19.3 (26)
--------------	-----------	-----------	-----------

<i>51+</i>	0.9 (1)	43.3 (13)	10.4 (14)
------------	---------	-----------	-----------

<b>Skipped Question</b>	2.9 (3)	3.3 (1)	3 (4)
-------------------------	---------	---------	-------

**17. Gender:**

<i>Female</i>	40 (42)	30 (9)	37.8 (51)
---------------	---------	--------	-----------

*Male*

	58.1(61)	66.7 (20)	60 (81)
--	----------	-----------	---------

<b>Skipped Question</b>	1.9 (2)	3.3 (1)	2.2 (3)
-------------------------	---------	---------	---------

**18. Please indicate your current status:**

<i>Freshman</i>	15.2 (16)	---.-----	---.-----
-----------------	-----------	-----------	-----------

<i>Sophomore</i>	15.2 (16)	---.-----	---.-----
------------------	-----------	-----------	-----------

<i>Junior</i>	10.5 (11)	---.-----	---.-----
---------------	-----------	-----------	-----------

<i>Senior</i>	14.3 (15)	---.-----	---.-----
---------------	-----------	-----------	-----------

<i>Graduate Student</i>	43.8 (46)	---.-----	---.-----
-------------------------	-----------	-----------	-----------

<i>Faculty</i>	---.-----	100 (30)	---.-----
----------------	-----------	----------	-----------

<b>Skipped Question</b>	0.9 (1)	3.3 (1)	1.5 (2)
-------------------------	---------	---------	---------

**19. Are you an audio engineer or audio professional?**

<i>Yes</i>	11.4 (12)	10 (3)	11.1 (15)
------------	-----------	--------	-----------

<i>No</i>	85.7 (90)	86.7 (26)	85.9 (116)
-----------	-----------	-----------	------------

<b>Skipped Question</b>	2.9 (3)	3.3 (1)	3 (4)
-------------------------	---------	---------	-------

**20/21. What is your main instrument or voice/What is you secondary instrument/ if any?\***

<i>Piano</i>	41.9 (44)	50 (15)	43.7 (59)
<i>Voice</i>	42.9 (45)	30 (9)	40 (54)
<i>String Instrument</i>	36.2 (38)	10 (3)	30.4 (41)
<i>Percussion</i>	11.4 (12)	3.3 (1)	9.6 (13)
<i>Wind Instrument</i>	47.6 (50)	46.7 (14)	47.4 (64)
<i>Electronics</i>	5.7 (6)	6.7 (2)	5.9 (8)
<b>Skipped Question</b>	3.8 (4)	13.3 (4)	5.9 (8)

**22. Do you play in an ensemble or orchestra?**

<i>Yes</i>	58.1(61)	53.3 (16)	57 (77)
<i>No</i>	37.1 (39)	40 (12)	37.8 (90)
<b>Skipped Question</b>	4.8 (5)	6.7 (2)	5.2 (7)

**23. Check all of the following which apply to you:**

<i>Ask people to repeat more than others</i>	26.7 (28)	26.7 (8)	26.7 (36)
<i>More diffic. w/ conversations 2+ people</i>	9.5 (10)	26.7 (8)	13.3 (18)
<i>More difficulty understanding in noise</i>	26.7 (28)	40 (12)	29.6 (40)
<b>Skipped Question</b>	60.9 (64)	50 (15)	58.5 (79)

**24. After exposure to music, how often do you experience ringing, buzzing, or hissing in your ear?**

<i>Almost always</i>	1.9 (2)	3.3 (1)	2.2 (3)
<i>Often</i>	3.8 (4)	10 (3)	5.2 (7)
<i>Sometimes</i>	32.4 (34)	10 (3)	27.4 (37)
<i>Rarely/Never</i>	57.1 (60)	73.3 (22)	60.7 (82)
<b>Skipped Question</b>	4.8 (5)	3.3 (1)	4.4 (6)



## 25. Additional Comments