

University woodwind students' experiences with playing-related injuries and their management: a pilot study

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Background: This study aimed to determine the experiences of university classical woodwind students with playing-related injuries (PRIs), the impact of these PRIs, the management selected by students with PRIs, and the perceived effectiveness of this management.

Materials and methods: All classical woodwind students enrolled in vocational education training or undergraduate courses at a university were sent an email with a link to an online survey. Only those aged 18 years and older were eligible. The survey obtained data regarding demographic information, details of PRI experienced (location, if they lasted for more than 3 months, and if they were current), and the impact of these, as well as the types of management strategies tried and their perceived effectiveness. Data were analyzed using descriptive statistics, and comments were reported descriptively.

Results: Fourteen students returned the survey; however, one of these only completed the questions regarding demographics, and was therefore excluded. A total of 62% of participants reported having experienced a PRI. Common locations for PRI were the wrist/hand/fingers, lower back, and neck. Reducing practice time by half and missing playing commitments were the most commonly reported consequences of PRIs. Playing-related management strategies were most frequently trialed, with these and passive nonplaying-related strategies perceived to be the most effective.

Conclusion: PRIs are common in this population, with a range of consequences reported. While it is encouraging that students had tried and found effective playing-related management strategies, active nonplaying-related strategies should be encouraged, particularly in preference to passive nonplaying-related strategies. This was a small-scale study, and the results are only applicable to the institution investigated; therefore, similar larger-scale studies are recommended to determine the generalizability of these findings.

Keywords: woodwind, injury, pain, prevalence, management, treatment, musician

Background

Musculoskeletal problems are commonly experienced by musicians.^{1,2} These problems may have a significant impact upon the individual, with musicians who have been injured reporting a negative impact upon social relationships,³ the loss of a form of expression,³ loss of identity,³ and an impact on financial well-being.⁴ Furthermore, musicians are reportedly reluctant to discuss their injuries for fear of destroying their reputations,⁴ and may avoid seeking care from health and medical professionals, as they fear they will be told to stop playing, and because they perceive these professionals to lack the experience required to treat musicians.^{4,5} It is important to determine the management sought by university woodwind students for musculoskeletal problems

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and their views towards it, as well as the consequences of such problems to enable appropriate management and support to be implemented.

A systematic search (see Supplementary materials for the search strategy) was conducted to identify studies investigating the experiences of university woodwind students with musculoskeletal symptoms. Throughout the published literature, various terms and definitions have been used to describe these musculoskeletal symptoms;^{2,6} hence any musculoskeletal symptoms were considered relevant. Seven studies⁷⁻¹³ were identified (Figure S1); all investigated the prevalence of musculoskeletal symptoms (Table 1). This revealed that there is a particular need to better understand instrument-, location-, and duration-specific prevalence of musculoskeletal problems in this population. No studies investigated the incidence of musculoskeletal problems or the impact of these on the individual or their playing. Ackermann et al⁷ was the only study to report on the management strategies utilized, as well as the strategy that was perceived to be the most effective.

This study aims to fill some of the gaps identified in this systematic search by investigating the following questions:

- What is the prevalence of playing-related injuries (PRIs) in university woodwind students, specific to instrument, location, duration, and point prevalence?
- What is the impact of PRIs for university woodwind students?
- What percentages of university woodwind students with a history of PRI have trialed various conservative management strategies?

- What is the perceived effectiveness of PRI conservative-management strategies trialed by the university?

For the purpose of this study, PRIs refer to musculoskeletal symptoms, like pain, discomfort, tingling, numbness, or weakness that prevent musicians from playing at their normal level. Initially, the term “playing-related musculoskeletal disorder (PRMD)” was to be used along with Zaza et al’s⁴ definition, for it differentiated between the mild symptoms that one may expect with playing, and those that impact upon playing and may require treatment. During the pilot testing of the survey used in this project (described in the Materials and methods section), the term “PRI” was selected and the definition modified based upon feedback from the participants during the pilot testing of the survey, to make the term and definition easier to understand for the population.

Materials and methods

Ethics approval

This project had ethics approval from the University of South Australia’s Human Ethics Committee (protocol number P060/10).

Recruitment

During May 2012, an email was sent to all classical woodwind students at a tertiary training institution who were currently enrolled in one of their vocational education and training (VET) or undergraduate courses (n=40). This email was sent to students by a staff member at the conservatorium, and included the study information sheet and a link to the online survey, which was open for 1 week. This therefore represented a sample of convenience. Only students under

Table 1 Summary of the type of data published

	All woodwind	Flute	Clarinet	Saxophone	Oboe	Bassoon
Lifetime prevalence anywhere/any duration						
Pain	b	a				
Injury	d					
Musculoskeletal problem	c					
Pain or injuries		a				
Tingling		a				
Weakness		a				
Numbness		a				
Duration prevalence – location-specific						
Pain		a				
Lifetime prevalence – location-specific						
Problem		g	g	g		
Pain		a				
Point prevalence – location-specific						
Pain whilst playing	f					
Seeking treatment (during the university studies)		e	e	e	e	e

Notes: ^aAckermann et al;⁷ ^bBrandfonbrener;⁸ ^cKreutz et al;¹² ^dGuptill et al;¹⁰ ^eCayea and Manchester;⁹ ^fPratt et al;¹³ ^gHartsell and Tata.¹¹

the age of 18 years were excluded, as their parental consent could not be obtained online.

Survey

The survey used (see Supplementary materials) was specifically designed for this project. No existing published survey included the items required to fulfill the requirements of this study. Survey development drew upon existing research,^{7,13–20} as well as the experiences of the authors. This survey was also used to obtain information on students' perceptions regarding risk factors, prevention strategies, experience with prevention strategies, attitudes regarding injury prevention, injuries, and injured musicians, as well as their interest in injury-prevention programs. Items 4–8 and 22–25 were relevant to this study.

The survey was piloted with woodwind musicians who were not currently VET or undergraduate students. A semi-structured interview was conducted with each to determine the utility and validity of the survey. After each interview, the survey was modified and then tested with another individual, until there were no further issues identified. This led to the use of the term “PRI” and the definition “musculoskeletal symptoms, like pain, discomfort, tingling, numbness, or weakness, that prevent you from playing at your normal level.”

SurveyMonkey (Palo Alto, CA, USA; www.surveymonkey.com) was the platform used for this survey, and the survey has been included in the Supplementary materials.

Data analysis

Data was manually entered into Microsoft Excel to allow for analysis. Descriptive statistics were used throughout. Comments were reported descriptively, and comments from other items screened for relevant data.

Results

Fourteen students commenced the survey; however, one did not complete any questions relating to their experiences with PRI, and thus their data were excluded. As no data could be obtained regarding the number of students who were eligible for the survey (ie, the number aged 18 years or older), a response rate could not be calculated; however, the sample represented 35% of all classical woodwind students enrolled in undergraduate or VET courses. The sample reflected a range of ages, levels of study, and instruments, with both male and female students represented (Table 2). Ten (77%) participants played the instruments of their majors, and nine (62%) participants played instruments unrelated to their majors. Furthermore, five (38%) participants played

Table 2 Sample demographics

Demographic	Number (% of respondents)
Sex	
Female	10 (77)
Male	3 (23)
Age (years)	
18–19	6 (46)
20–24	3 (23)
25+	4 (31)
Program	
Certificate IV in Music (Classical performance)	2 (15)
Bachelor of Music (Classical performance, first year)	4 (31)
Bachelor of Music (Music education, second year)	1 (8)
Bachelor of Music (Classical performance, third year)	5 (38)
Honours Degree of Bachelor of Music (Classical performance)	1 (8)
Major instrument	
Flute	6 (46)
Clarinet	2 (15)
Saxophone	1 (8)
Oboe	1 (8)
Bassoon	1 (8)
Recorder	2 (15)

nonwoodwind instruments. This indicates that an instrument-specific analysis would not be appropriate, for the impact of additional instruments could not be accounted for.

The lifetime prevalence of PRI was 62% (n=8), and the point prevalence was 38% (n=5). Four participants (31%) reporting having a PRI that lasted for longer than 3 months. Details of PRI experience by location are reported in Table 3.

The most commonly experienced consequence of a PRI was reduced practice time by half (n=4, 50%), and missed playing commitments (n=3, 38%), followed by missed opportunities for work/study (n=2, 25%), stopping them from playing for 3 months (n=2, 25%), financial problems (n=1, 13%), and stopping them from playing for a month (n=1, 13%). No participant experienced social isolation. Interestingly, two participants reported that they had stopped playing for 3 months; however, they did not report stopping playing for 1 month, this accounting for the lower percentage having 1 month off from playing than for 3 months off. While multiple responses were encouraged, this appears to have been an error.

In general, playing-related management strategies, like taking breaks, were the most commonly utilized, with a relatively even spread of active and passive nonplaying-related strategies. Of the health professionals listed, physiotherapists were the most commonly consulted (63% of those with a history of PRI) (Figure 1). In general, playing-related and

Table 3 Prevalence of playing-related injuries

	n (% of all participants)		
	Ever	Longer than 3 months	Current
Body regions			
General			
Neck/shoulder regions	5 (38)	1 (8)	4 (31)
Back	6 (46)	3 (23)	2 (15)
Upper limb	6 (46)	1 (8)	4 (31)
Jaw	1 (8)	0 (0)	0 (0)
Detailed			
Neck (left side)	2 (15)	0 (0)	2 (15)
Neck (right side)	4 (31)	1 (8)	3 (23)
Upper back (left side)	0 (0)	0 (0)	0 (0)
Upper back (right side)	2 (15)	1 (8)	1 (8)
Middle back (left side)	1 (8)	0 (0)	0 (0)
Middle back (right side)	1 (8)	0 (0)	0 (0)
Lower back (left side)	3 (23)	2 (15)	1 (8)
Lower back (right side)	2 (15)	1 (8)	1 (8)
Shoulder (left)	1 (8)	0 (0)	0 (0)
Shoulder (right)	3 (23)	1 (8)	1 (8)
Arm (left)	2 (15)	1 (8)	1 (8)
Arm (right)	1 (8)	1 (8)	0 (0)
Wrist/hand/fingers (left)	4 (31)	1 (8)	2 (15)
Wrist/hand/fingers (right)	6 (46)	1 (8)	3 (23)
Jaw (left side)	1 (8)	0 (0)	0 (0)
Jaw (right side)	1 (8)	0 (0)	0 (0)

passive nonplaying-related management strategies were perceived to be most effective (Figure 2). One participant reported that they saw a Chinese doctor who treated them with acupuncture and homeopathy.

Discussion

The lifetime prevalence of PRIs in this cohort was 62%, which is within the range of the reported literature for university woodwind students (58%–87%).^{8,10,12} Variation may be due to differences in the populations, as well as the terms used to define the musculoskeletal symptoms (PRI, pain, musculoskeletal problems, playing-related physical problem). The lifetime prevalence is less than that of woodwind musicians in Australian professional orchestras, which was reported as 88.1%.¹ The point prevalence of PRI in this population is arguably the most important prevalence to consider. Not only is it more accurate to report, as it is not retrospective, it gives a better indication of the risks involved in playing at this level, as previous injuries, which may have occurred during their early stages of learning, are not considered. For this cohort, the point prevalence was 38%. There was no existing literature with which to compare this finding that specifically investigated university woodwind students; however, in Australian professional orchestras, 49.3% were

reported to have current pain or injuries,¹ which is considerably higher than in university students.

Thirty-one percent of participants reported having PRIs that had lasted for at least 3 months. As this means that the musician’s playing was affected for at least 3 months this could have a dramatic impact upon the student’s education and future career, through decreased practice time or missed opportunities for work or study. It is important that we understand why these disorders have persisted for so long, and to improve the effectiveness of management to decrease their duration.

The lifetime prevalence of PRI was highest for the wrist/hand/finger regions (31% for left, 43% for right), as well as the lower back on the left side (23%), neck on the right side (31%), and right shoulder (23%). Similarly, Ackermann et al⁷ found the hand/wrist/elbow regions (65%), either shoulder (65%), and the lumbar spine (40%) to be commonly affected by playing-related musculoskeletal disorders (PRMDs) (no definition reported). This higher prevalence may be due to potential differences in the definition of PRMDs/PRIs, differences in the regions investigated, or the small sample size in our study. Furthermore, Ackermann et al’s⁷ study was specific to flautists, which may have altered the results. The prevalence reported by Hartsell and Tata¹¹ found the prevalence of injuries in flute, clarinet, and saxophone students to be lower in general, which may be due to use of the term “injury,” as well as more specific in the regions investigated. However, after combining the results for these instruments, prevalence was highest for the hand (10%), wrist (6%), and face (6%). Whilst there are differences in the prevalence rates across the three studies, the wrist/hand/finger regions appear to be the most commonly affected by PRIs.

PRIs lasting for longer than 3 months were most commonly reported in the lower back region on the left side (15%) in our study. Ackermann et al’s⁷ study of flautists revealed that either shoulder (40%) was at the highest risk of long term PRMDs (greater than 3 months), whereas the lower back only had a prevalence of 25% for this time period. Again, this may be due to differences in the population or body regions reported. This does however indicate that PRIs in the shoulder and lower back regions are most likely to impact upon a musician’s studies and career because of their longer durations. Studies into the management of PRIs should focus on managements specific to these regions.

The neck (left side 15%, right side 23%) and wrist/hand/finger regions (left side 15%, right side 23%) had the highest point prevalence. Given that the prevalence of PRI for longer

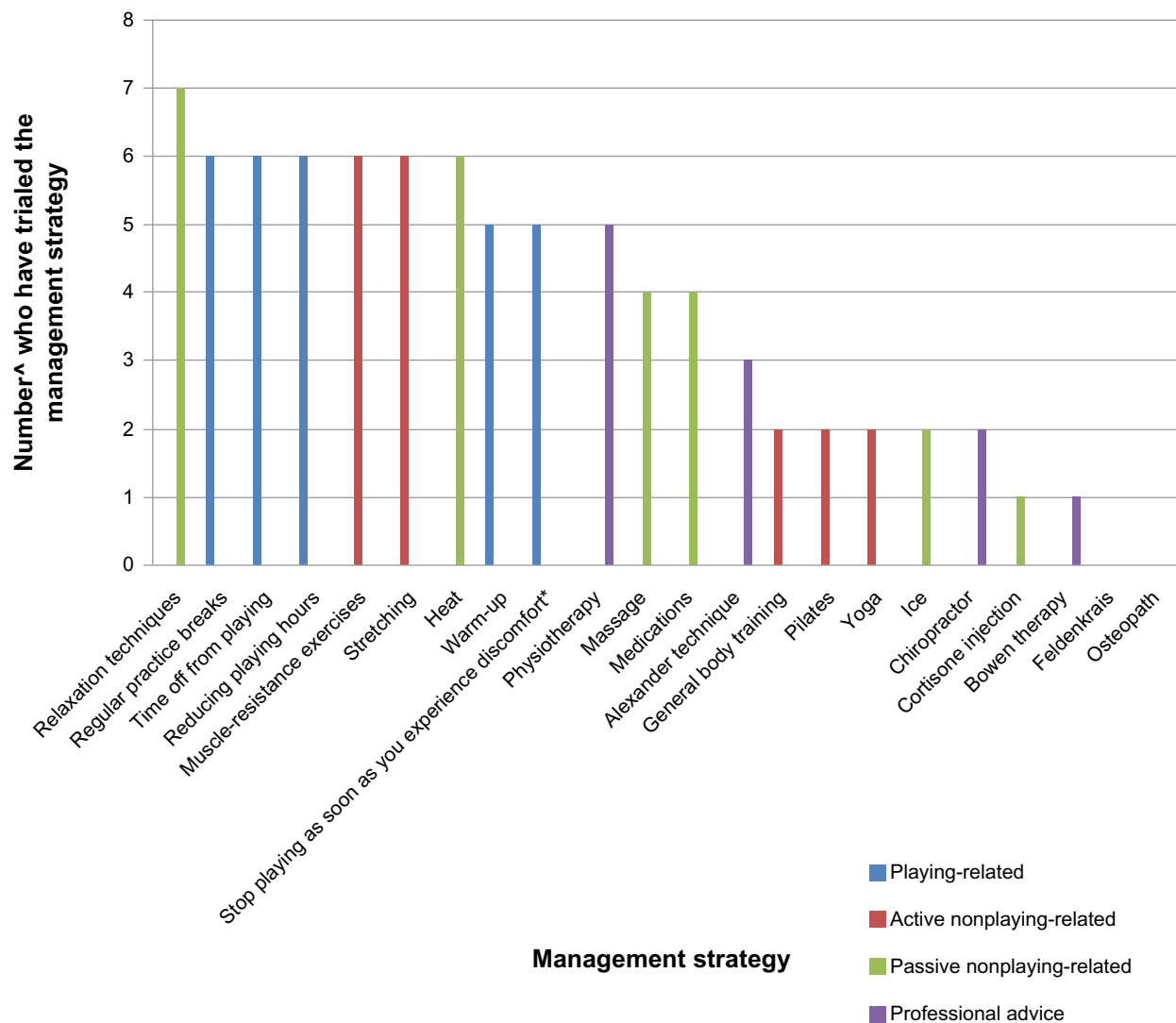


Figure 1 Management strategies tried.

Notes: ^Number of participants with a history of playing-related injury (n=8); *or increased discomfort.

than 3 months was not high, it is hypothesized that PRIs occur more frequently in these regions; however, the duration of bouts is relatively short. Pratt et al¹³ also found point prevalence for the fingers and wrist to be the highest (64% and 71%, respectively), with neck pain experienced by 52% of participants at the time of the survey. The higher prevalence in Pratt et al's¹³ study may be because they investigated playing-related pain, which did not have to impact upon playing.

We decided not to investigate the instrument-specific prevalence of PRI because of the high proportion of participants (62%) who played other instruments that were unrelated to their majors. None of the previous literature reporting instrument-specific data^{7,9,11} reported whether their participants played other instruments.

With the exception of the middle and lower back and the jaw, PRIs were more prevalent on the right side. This may

be due to the right thumb supporting the weight of the clarinet, saxophone, bassoon, and oboe, and depending on hand position, the flute. Given the small sample and the lack of instrument-specific analysis, conclusions regarding the potential ergonomic reasons for these asymmetrical symptoms cannot be made. Hypotheses regarding this could be drawn from a larger-scale study of a similar nature, where instrument-specific analysis can occur.

This was the first study to investigate the consequences of PRIs for university woodwind students. The most commonly reported consequence of a PRI was reducing playing time by half (50%). Whilst this may be problematic, this question did not account for how long their playing time was limited for (eg, the number of days). Of greater concern is that 38% had missed playing commitments, followed by missed opportunities for work/study (25%) and 3 months off

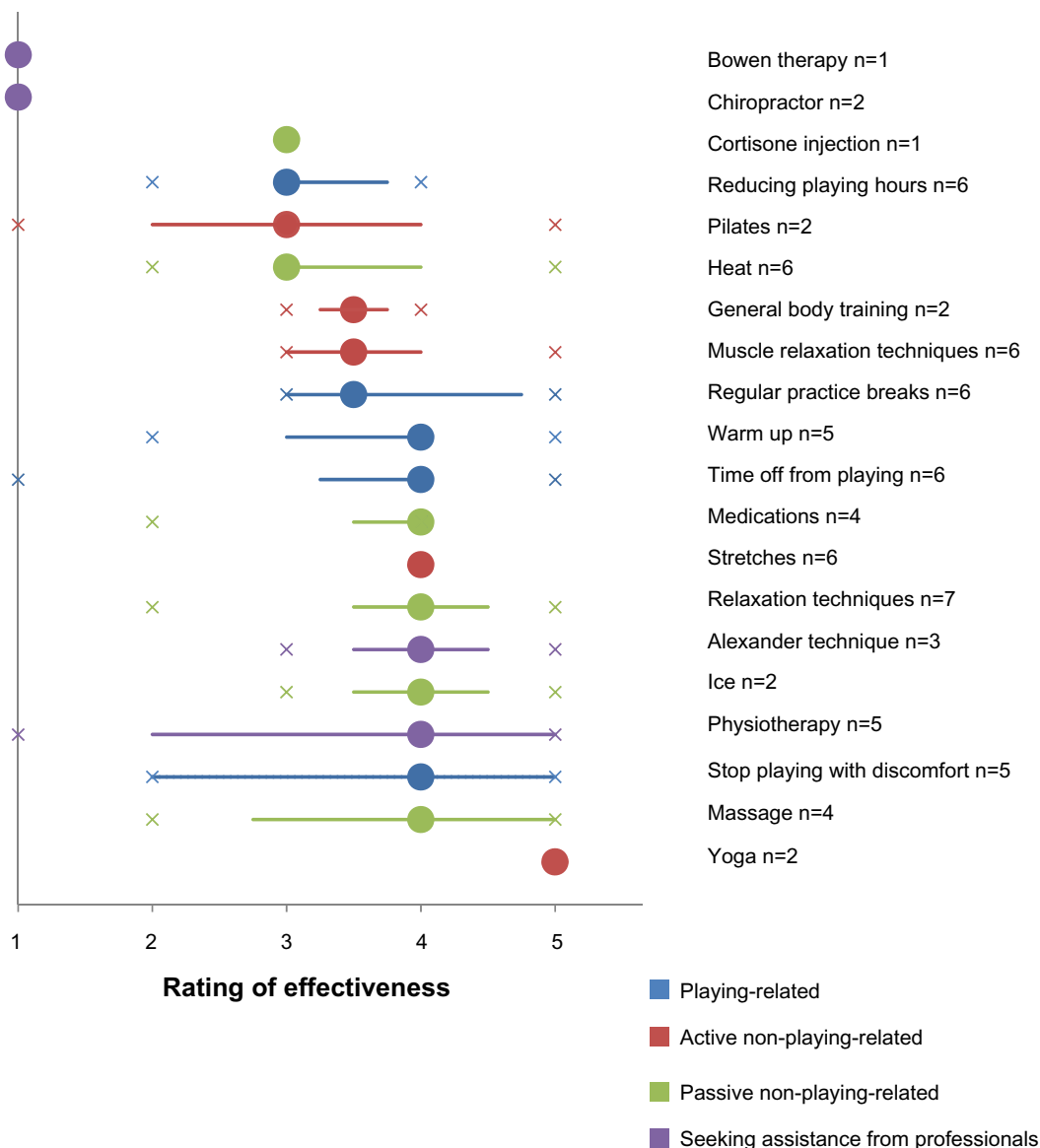


Figure 2 Perceived effectiveness of management strategies.
Notes: Circle, median; line, interquartile range; crosses, range; 1, no help; 5, extremely helpful.

from playing (25%). Music is a highly competitive career in which being reliable is of great importance. Missing commitments may therefore negatively impact upon an individual’s reputation. Moreover, time off from playing and missed opportunities for study and work may have longer-term implications for the musician, as their exposure to potential employers is decreased, and they effectively “lose” practice time. Additionally, time off may lead to deskilling that they will later have to make up. It is possible that these musicians may be too eager to get back to their previous level of playing, and therefore not pace themselves, thus potentially increasing their risk of reinjury.

Playing-related management strategies appeared to be the most frequently trialed. This is positive, in that many

of these, if continued beyond the PRI bout, may assist in preventing future injury. Participants in our study were most likely to consult a physiotherapist for advice (60%), which is in contrast with Ackermann et al’s⁷ finding of only 15% of university flute students consulting a physiotherapist. They found that their participants would more commonly consult an Alexander-technique teacher (30%) or a chiropractor (20%). This indicates differences between the institutions, which may originate from the types of health professionals in contact with the institutions and the beliefs of the teachers and other students regarding which type of health professional may be most appropriate to consult.

In general, passive techniques appeared to be rated as the most effective, whereas more active strategies tended to

rate lower. This may be because active strategies require more work on the part of the student, and thus their expectations of effectiveness may be higher. Moreover, active strategies tend take longer to be effective than passive techniques. It is possible that the improvement in PRI is more subtle with active strategies, or that participants are not committed to these in the long term, thus decreasing their effectiveness.

The management preferences of this population, as well as their perceived effectiveness, are of great importance in terms of understanding the population, as well as prioritizing the management strategies that should be investigated in future research. It will also be important to gain an understanding of the management goals and definitions of effectiveness of this population, as these may reveal that different strategies will be preferred for different goals.

Limitations

The greatest limitation of this study is the poor response rate, drawn from a small population. This may be because this population had not previously been approached for this type of research, which may have limited their interest in participating. As we were investigating PRI, those with a history of PRI may have been more interested in participating; however, in contrast, some may have been eager to leave their PRI in the past, and therefore reluctant to participate in a survey that would make them reflect on their experiences. This may account for differences in the prevalence findings of our study in comparison with those in the literature. This was a pilot study utilizing a convenience sample, which limits the generalizability of the study findings, and thus the study should be repeated with a larger sample using probabilistic sampling.

The findings of this study are primarily applicable to the institution from which the sample was drawn, rather than all university woodwind students. The comparison with Ackermann et al's⁷ study, particularly with respect to management preferences, revealed differences between institutions within the same country. It cannot therefore be assumed that similar results would be obtained elsewhere.

The survey used was developed specifically for this project, and only has face validity, as it was not formally tested for content and construct validity. This may have limited the accuracy of this study. Furthermore, it is acknowledged that the term "PRI" and its definition also have face validity only.

Conclusion

This study supports previous works that suggest that university woodwind students are at high risk of PRI, particularly

in regions of the back, neck, and upper limbs. Furthermore, half of these were reported to last for longer than 3 months, which may have a significant impact on their career. This was the first study to investigate such consequences for university woodwind students, finding that many had to reduce their playing time by half and/or miss playing commitments due to a PRI. Most chose to use playing-related management techniques, with passive nonplaying-related strategies generally rated as the most effective. This was a pilot study with a small sample size, and so should be repeated with a larger sample to improve the generalizability and accuracy of the findings. Furthermore, it is recommended that future research investigate why musicians select a particular management approach, and what makes them effective.

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Disclosure

The authors report no conflicts of interest in this work.

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Supplementary material

Systematic Search

A systematic search of Scopus, Cumulative Index to Nursing and Allied Health Literature (CINAHL) (EbscoHost), Medline (OvidSP), and Embase (OvidSP) was conducted in October 2012 using the search terms reported in Table S1. Woodwind terms were searched in the Title field, whilst the other terms were searched in the Title, Abstract, and Keyword fields, where permitted by the databases. These terms were combined as woodwind terms AND university student terms AND musculoskeletal symptoms terms AND (prevalence/incidence terms OR impact terms OR management terms). Searches were limited to English-language articles for all databases, as well as peer-reviewed articles in CINAHL, and journal articles in Scopus.

Studies were excluded if they were not published in English, in peer-reviewed journals, did not report relevant data (prevalence/incidence of musculoskeletal symptoms, impact of musculoskeletal symptoms, management utilized, or perceptions of effectiveness of management utilized) specific to university woodwind students, or were opinion papers (eg, non-systematic narrative reviews, editorials).

Table S1 Search terms

Woodwind player	flute OR flutes OR flautist* OR flutist* OR musician OR music student* OR woodwind* OR wind player* OR Instrument player* OR instrumentalist* OR musical instrument* OR wind instrument* OR instrumental music OR stud* music* OR saxophon* OR clarinet* OR oboist* OR oboe* OR bassoon*
University student	universit* OR colleg* OR tertiary OR conservat* OR student* OR studying OR education OR training
Musculoskeletal symptoms	muscul* OR overuse* OR injur* OR muscle* OR pain* OR discomfort OR strain* OR sprain* OR disorder* OR condition* OR syndrome* OR disease* OR problem* OR disab* OR symptom* OR weak* OR numb* OR medical* OR health*
Prevalence/incidence	preval* OR inciden* OR rate* OR frequen* OR common* OR percent*
Impact	consequen* OR impact* OR experienc*
Management	manag* OR therap* OR treat*

Note: *indicates a truncation symbol (the symbol may be replaced by any number of characters by the search engine).

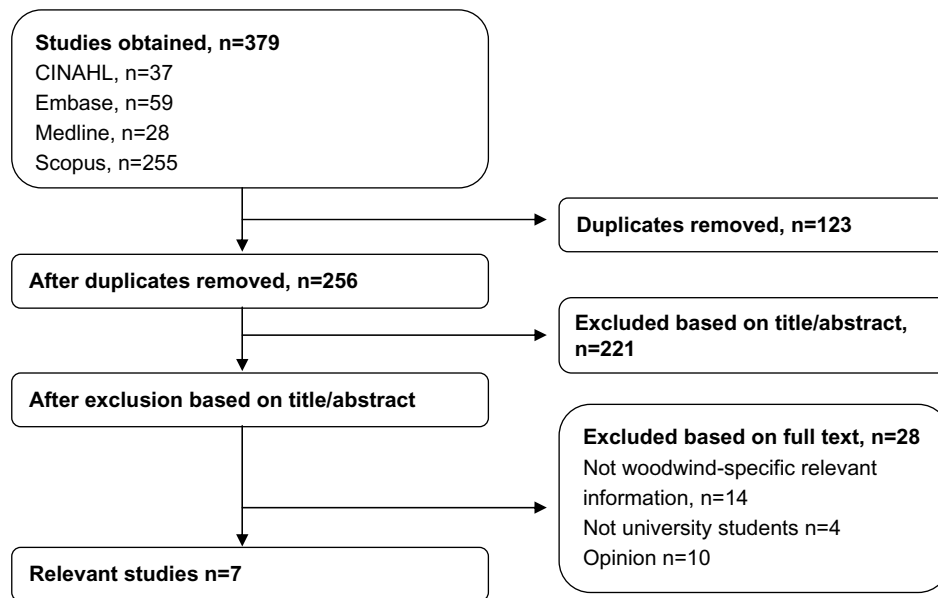


Figure S1 Flowchart of study exclusion.

Abbreviation: CINAHL, Cumulative Index to Nursing and Allied Health Literature.

Survey

The survey was administered using SurveyMonkey (Palo Alto, CA, USA).

Survey preliminary information

Thank you for your interest in this survey.

Prior to participating in this survey, please ensure that you have read and understood the information sheet (attached to the email which included this link).

You must be aged 18 years or over to participate in this survey.

We are interested in the thoughts of those who are not interested in an injury prevention program, as much as we are those who are interested.

Throughout the survey, injuries refer to playing-related injuries only. These are defined as musculoskeletal symptoms, like pain, discomfort, tingling, numbness, or weakness, that prevent you from playing at your normal level. This definition will appear at the top of each page as a reminder.

Compulsory questions are marked *

After many of the questions, there is a comments section. You may use this to add any extra information, ie, other suggestions, thoughts, or to explain your views.

Participants were also provided with a contact email if they experienced difficulties in completing the survey.

Survey questions

1. *Have you read and understood the information sheet, and provided your consent?
 Yes
 No (survey completed at this point)
2. *Are you aged 18 years or over?
 Yes
 No (survey completed at this point)
3. *Have you completed this survey previously?
 Yes (survey completed at this point)
 No
4. Are you male or female?
 Male
 Female
5. How old are you?
 18–19 years
 20–24 years
 25+ years
6. List all of the instruments you regularly play, with your university major listed first (include detail, ie, alto saxophone, bass clarinet)
(Open response)
7. Which degree/diploma are you enrolled in? (include detail, ie, performance and pedagogy, classical performance)
(Open response)
8. Which year are you in for your performance subject?
 1
 2
 3
9. Are you interested in information about how to prevent injuries?
 Yes
 No

10. Do you think information about preventing injuries should be part of your university education?

- Yes
 No

11. Do you think there should be a whole subject devoted to musicians' health at university?

- Yes
 No

12. What format do you think information about preventing injuries should be provided in? (tick all that apply)

[Order of statements was randomized]

- Instrument-specific sessions (ie, practical sessions specifically for clarinet players)
 Practical workshop
 Book
 Lecture
 One-on-one sessions (ie, one-on-one session with a health professional)
 Interactive webpage

Comments (open response)

13. How likely do you think you are to experience an injury in the next:

	No chance				Extremely likely
6 months	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12 months	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ever	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

14. If you had an injury, how likely do you think the following would be?

[Order of statements was randomized]

	No chance				Extremely likely
Missed playing commitments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A negative impact on your playing reputation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A week off from playing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ending your career	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reducing your playing time by half	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Financial problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Three months off from playing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A month off from playing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Social isolation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments (open response)

15. How much do you think the following factors would increase your risk of an injury?

[Order of statements was randomized]

	Not at all				Extreme impact
Not enough breaks when practicing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Poor posture/hand position	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sudden increase in playing intensity (eg, harder pieces)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sudden increase in playing time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Carrying your instrument	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overpracticing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Playing with discomfort	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insufficient warm up (eg, playing long notes, slow scales)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(Continued)

(Continued)

	Not at all				Extreme impact
Poor general physical fitness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cramped playing conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Poor awareness of injury prevention	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stress (eg, performance anxiety)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Moving equipment (chairs, stands)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Facilities (eg, chairs, temperature, lighting)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Instrument setup (eg, thumb rests, reeds, neck straps, key height)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments (open response)

16. How effective do you think the following are in PREVENTING an injury? (if you don't know what these strategies are, leave the line blank)

[Order of statements was randomized]

	No effect				Will completely prevent an injury
Warm-up (eg, long tones, slow scales)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Yoga	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regular massage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stop playing as soon as you experience discomfort	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pilates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aerobic exercise (eg, running, rowing)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stretching	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Muscle-resistance exercises (eg, weights, Thera-Band)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alexander technique	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Osteopath	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bowen therapy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Physiotherapy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Relaxation techniques	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Feldenkrais	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regular practice breaks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chiropractor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments (open response)

17. Have you tried or are you currently doing any of these to help PREVENT an injury? (tick all that apply)

[Order of statements was randomized]

	Have done	Currently doing
Pilates	<input type="checkbox"/>	<input type="checkbox"/>
Stop playing as soon as you experience discomfort	<input type="checkbox"/>	<input type="checkbox"/>
Alexander technique	<input type="checkbox"/>	<input type="checkbox"/>
Relaxation techniques	<input type="checkbox"/>	<input type="checkbox"/>
Stretching	<input type="checkbox"/>	<input type="checkbox"/>
Yoga	<input type="checkbox"/>	<input type="checkbox"/>
Feldenkrais	<input type="checkbox"/>	<input type="checkbox"/>
Aerobic exercise (eg, running, rowing)	<input type="checkbox"/>	<input type="checkbox"/>
Physiotherapy	<input type="checkbox"/>	<input type="checkbox"/>
Chiropractor	<input type="checkbox"/>	<input type="checkbox"/>
Osteopath	<input type="checkbox"/>	<input type="checkbox"/>
Warm-up (eg, long tones, slow scales)	<input type="checkbox"/>	<input type="checkbox"/>
Regular practice breaks	<input type="checkbox"/>	<input type="checkbox"/>
Muscle-resistance exercises (eg, weights, Thera-Band)	<input type="checkbox"/>	<input type="checkbox"/>
Bowen therapy	<input type="checkbox"/>	<input type="checkbox"/>
Regular massage	<input type="checkbox"/>	<input type="checkbox"/>

Comments (open response)

18. What has or would prompt you to make changes to reduce your risk of injury? (tick all that apply)

[Order of statements was randomized]

	Has prompted a change	Would prompt a change
Reading about injuries	<input type="checkbox"/>	<input type="checkbox"/>
Advice from a health/medical professional	<input type="checkbox"/>	<input type="checkbox"/>
Experiencing an injury that impacts on your playing	<input type="checkbox"/>	<input type="checkbox"/>
Starting to get symptoms (before they start impacting on your playing)	<input type="checkbox"/>	<input type="checkbox"/>
Having a class/workshop about injuries	<input type="checkbox"/>	<input type="checkbox"/>
Knowing someone who has experienced an injury	<input type="checkbox"/>	<input type="checkbox"/>
Advice from your teacher	<input type="checkbox"/>	<input type="checkbox"/>
Advice from other students/colleagues	<input type="checkbox"/>	<input type="checkbox"/>

Comments (open response)

19. How important is it for musicians to:

[Order of statements was randomized]

	Not at all important					Extremely important
Have a 'no pain, no gain' attitude	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Understand the physical requirements of playing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have a good posture/hand position	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Understand injury prevention	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Carefully structure practice sessions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have good playing technique	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do exercises (stretches and strengthening to reduce injuries)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments (open response)

20. Rate your agreement with the following statements

[Order of statements was randomized]

	Completely disagree			Neutral			Completely agree		
Injury prevention is the responsibility of the teacher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury prevention is the responsibility of the individual musician	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury prevention is the responsibility of the university	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injuries can be prevented	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If I had an injury, I would tell my teacher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If a musician has an injury, it reflects poorly on their teacher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Musicians should understand injury prevention	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discomfort is a normal part of playing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Health professionals need a good musical understanding to advise and treat musicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I would not tell another musician if I had an injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Musicians who have had an injury are at higher risk of future injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Musicians who have had an injury should not be professional musicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Musicians who have had to have time off because of an injury must not want to be musicians bad enough	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Teachers should teach injury prevention	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injuries are an excuse for time off	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments (open response)

21. To what extent do you agree with the following statements regarding strategies to prevent injuries?

[Order of statements was randomized]

	Completely disagree			Neutral			Completely agree		
Changing my posture/hand position would have a positive effect on my playing long term	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Learning more about good posture/hand position will make me a better teacher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
It is too difficult to change my posture/hand position	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changing my practice structure will help improve my playing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changing my posture/hand position will help prolong my career	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The discomfort and fatigue from doing exercises will make it hard to practice afterwards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Having a good posture/hand position will improve the way in which my performance is perceived, even if the sound is the same	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Doing exercises will help decrease my injury risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Doing exercises is embarrassing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changing my practice structure will help decrease my injury risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Doing exercises will improve my playing reputation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I need to practice for long durations to be able to perform for long durations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changing my practice structure will help prolong my career	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
It is too difficult to change my practice structure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Doing exercises will help improve my posture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Doing exercises will improve my playing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If I found time to do exercises, I may as well practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
It would take too much time to change my posture/hand position	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changing my posture/hand position would affect my playing negatively in the short term	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Doing exercises will help prolong my career	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changing my posture/hand position will help decrease my injury risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
There is not the space to do exercises at university	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
My duration of practice in one session is dictated by practice room availability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I don't have the time to do exercises	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments (open response)

22. Have you ever experienced an injury?

- Yes
- No (progress to item 26)

23. Mark all the areas you have experienced an injury in, and whether it has lasted more than 3 months, or if you currently have it

	Ever experienced	Longer than 3 months at a time	Currently
Neck (left side)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neck (right side)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Upper back (left side)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Upper back (right side)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Middle back (left side)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Middle back (right side)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lower back (left side)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lower back (right side)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Left shoulder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Right shoulder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(Continued)

(Continued)

	Ever experienced	Longer than 3 months at a time	Currently
Left arm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Right arm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Left wrist/hand/fingers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Right wrist/hand/fingers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jaw (left side)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jaw (right side)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments (open response)

24. How have your injuries affected your playing/career? (tick all that apply)

[Order of statements was randomized]

- Reduce practice time by half
- Stop you from playing for a month
- Social isolation
- Missed opportunities for work/study
- Stop you from playing for 3 months
- Financial problems
- Missed playing commitments

Comments (open response)

25. How effective have you found the following in TREATING injuries? (only mark those you have tried)

[Order of statements was randomized]

	No help					Extremely helpful
Relaxation techniques	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Massage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cortisone injections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stretching	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alexander technique	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Yoga	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bowen therapy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pilates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General body training	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Warm-up	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stop playing as soon as you experience discomfort	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regular practice breaks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time off from playing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Medications	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Muscle resistance exercises (eg, weights, Thera-Band)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reduce playing hours	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Feldenkrais	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chiropractor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Physiotherapy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Osteopath	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments (open response)

26. If there is anything else you would like to tell us about injuries or injury prevention, including anything in particular you would like taught in an injury prevention program, please write this in the space below

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