

Note: This is Online Appendix 1 of Ravidutt, M. & Maharaj, S., 2024, 'The knowledge, attitudes and perceptions of physiotherapists and chiropractors in South Africa', *South African Journal of Physiotherapy* 80(1), a1922. <https://doi.org/10.4102/sajp.v80i1.1922>

Online Appendix 1:

Main Study Questionnaire for Chiropractors

Section 1: Personal Information

1. Indicate your age bracket.

<26	26–35	36–45	46–55	56–65	>65

2. What is your gender?

Male	Female

3. How many years have you been qualified as a Chiropractor?

<6 years	6–<11 years	11–<16 years	16–<21 years	21–30 years	>30 years

4. In which setting do you practise?

Private Practice	Hospital/Clinic Setting	Multidisciplinary Setting	Other

5. If other, please specify

6. In which sector do you practise?

Public Sector	Private Sector	Both Public and Private Sector

7. Where is your practice located?

Suburb	Central Business District	Rural

8. Do you practise with other Chiropractors?

Yes	No

8.1 If YES to question 8, in what type of practice do you work? (Group = more than 2 Chiropractors)

Duo-practice	Group-practice

9. Which province do you practise in?

Eastern Cape	Free State	Gauteng	KwaZulu-Natal	Limpopo
Mpumalanga	Northern Cape	North West	Western Cape	

Section 2: Knowledge of Physiotherapy

10. How many registered Physiotherapists do you think there are in South Africa? (Select ONE option only)

<2000	2000–4000	4001–6000	6001–8000	8001–9000	>9000

11. What qualification does a Physiotherapist obtain once qualified in South Africa? (Select ONE option only)

11.1 Diploma	
11.2 National Higher Diploma	
11.3 Bachelor's Degree	
11.4 Master's Degree	
11.5 PhD	

12. At which institution(s) can Physiotherapy be studied in South Africa? (Tick ALL that apply)

12.1 Durban University of Technology		12.6 University of the Witwatersrand	
12.2 University of KwaZulu-Natal		12.7 University of Stellenbosch	
12.3 University of the Free State		12.8 University of Western Cape	
12.4 University of Pretoria		12.9 University of Cape Town	
12.5 University of Johannesburg		12.10 Sefako Makgatho Health Science University	

13. How many years of studying do you think is required in order to qualify as a Physiotherapist in South Africa? **(Select ONE option only)**

<2 years	2 years	3 years	4 years	5 years	>5 years

14. Indicate which of the following examinations you think a Physiotherapist may perform on a patient. **(Tick ALL that apply)**

14.1 Medical and family history taking		14.8 Nerve Conduction Studies/Electromyography	
14.2 Vital signs (BP, PR, RR, Temp)		14.9 Orthopaedic Exam	
14.3 Cardiovascular Exam		14.10 Diagnostic Ultrasound/CT/MRI	
14.4 Obtain Blood Samples		14.11 Radiological Exam	
14.5 Respiratory Exam		14.12 X-Ray Interpretation	
14.6 Abdominal Exam		14.13 Genito-Urinary Exam	
14.7 Neurological Exam			

15. Indicate what treatment modalities you think a Physiotherapist may perform for the treatment and management of a patient. **(Tick ALL that apply)**

15.1 Massage		15.13 Joint Mobilisation	
15.2 Acupressure/Ischaemic Compression		15.14 Joint Manipulation	
15.3 Cryotherapy/Cold Application		15.15 Soft Tissue Manipulation	
15.4 Thermotherapy/Heat Application		15.16 Surgery	
15.5 Biofeedback		15.17 Blood Transfusion	
15.6 Exercise and Rehabilitation Programmes		15.18 Vaccination	
15.7 Electrotherapy (IFC/TENS/Ultrasound)		15.19 Prescription Medication	
15.8 Hydrotherapy		15.20 Relaxation Techniques	
15.9 Traction		15.21 Patient Education	
15.10 Dry Needling		15.22 Nutritional Advice	
15.11 Acupuncture		15.23 Ergonomic Advice	
15.12 Intravenous Therapy/Biopuncture			

16. Indicate which of the following conditions a Physiotherapist may treat. (Tick ALL that apply)

16.1 Neck Pain	
16.2 Whiplash	
16.3 Low Back Pain	
16.4 Chronic Pain Disorders	
16.5 Organ Failure	
16.6 Sport Injuries	
16.7 Joint Sprains	
16.8 Muscle/Ligament Strains	
16.9 Gynaecological Conditions	
16.10 Respiratory Conditions	
16.11 Cardiovascular Conditions	
16.12 Gastrointestinal Conditions	
16.13 Neurological Conditions	
16.14 Psychological Disorders	
16.15 Disc Herniation	
16.16 Temporomandibular Joint Disorders	
16.17 Post-operative Rehabilitation	

Section 3: Attitude towards Physiotherapy

17. Indicate your agreement with the following statements:

Statement	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
17.1 Physiotherapists are competent in musculoskeletal and neurological examination					
17.2 Physiotherapists are competent in managing and treating patients with neuromusculoskeletal conditions					
17.3 Physiotherapists can perform the same treatment (i.e. manipulation, soft tissue therapy etc..) as Chiropractors without additional training					
17.4 Chiropractic and Physiotherapy are similar professions					
17.5 Chiropractic and Physiotherapy are complementary professions					
17.6 Physiotherapy is effective for some patients					
17.7 Physiotherapy causes more harm than good					
17.8 Physiotherapy treatments have been shown to be superior to Chiropractic					
17.9 Chiropractic treatments have been shown to be superior to Physiotherapy					
17.10 You would like to work closely with the Physiotherapy profession					
17.11 You already work closely with a Physiotherapist					

Section 4: Perceptions of Physiotherapy

18. Indicate your responses to the following statements regarding your perceptions on the Physiotherapy profession:

The Physiotherapy profession...	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
18.1 ...is a primary health care service					
18.2 ...is a secondary health care service					
18.3 ...is an alternative health care service					
18.4 ...is accessible to all members of the public					
18.5 ...is affordable					
18.6 ...is needed in South Africa					
18.7 ...is included in Medical Aid cover					
18.8 ...is based on scientific evidence					
18.9 ...plays an important role in the health care system					
18.10 ...is registered with the Health Professions Council of South Africa					
18.11 ...is registered with the Allied Health Professions Council of South Africa					

Section 5: Inter-professional relationships

19. Do you ever refer patients to a Physiotherapist?

Yes	No

19.1 If you answered YES to question 19: indicate the reason(s) for referring a patient to a Physiotherapist: **(Tick ALL that apply)**

Reason for referring a patient to a Physiotherapist	YES
19.1.1 Condition dependent	
19.1.2 Patient finances	
19.1.3 Personal reasons	
19.1.4 Second opinion	
19.1.5 Holistic care of the patient	
19.1.6 Collaborative treatment	
19.1.7 More qualified health care provider	
19.1.8 Best interests of the patient	
19.1.9 Your scope of practice is limited in helping the patient	
19.1.10 Wish to get rid of a patient	

19.2 If you answered YES to question 19: indicate for which of the following condition(s) you refer a patient to a Physiotherapist: **(Tick ALL that apply)**

Conditions for which you refer a patient to a Physiotherapist	YES
19.2.1 Neck Pain	
19.2.2 Whiplash	
19.2.3 Low Back Pain	
19.2.4 Chronic Pain Disorders	
19.2.5 Organ Failure	
19.2.6 Sport Injuries	
19.2.7 Joint Sprains	
19.2.8 Muscle/Ligament Strains	
19.2.9 Gynaecological Conditions	
19.2.10 Respiratory Conditions	
19.2.11 Cardiovascular Conditions	
19.2.12 Gastrointestinal Conditions	
19.2.13 Neurological Conditions	
19.2.14 Psychological Disorders	
19.2.15 Disc Herniation	
19.2.16 Temporomandibular Joint Disorders	
19.2.17 Post-operative Rehabilitation	

19.3 If you answered NO to question 19: please provide the reason(s) for not referring a patient to the Physiotherapist:

20. Does a Physiotherapist ever refer patients to you?

Yes	No

20.1 If you answered YES to question 20: indicate for which of the following condition(s) Physiotherapist(s) refer patients to you. (Tick ALL that apply)

Conditions for which a patient has been referred to you by a Physiotherapist	YES
20.1.1 Neck Pain	
20.1.2 Whiplash	
20.1.3 Low Back Pain	
20.1.4 Chronic Pain Disorders	
20.1.5 Organ Failure	
20.1.6 Sport Injuries	
20.1.7 Joint Sprains	
20.1.8 Muscle/Ligament Strains	
20.1.9 Gynaecological Conditions	
20.1.10 Respiratory Conditions	
20.1.11 Cardiovascular Conditions	
20.1.12 Gastrointestinal Conditions	
20.1.13 Neurological Conditions	
20.1.14 Psychological Disorders	
20.1.15 Disc Herniation	
20.1.16 Temporomandibular Joint Disorders	
20.1.17 Post-operative Rehabilitation	

21. Do you communicate with the Physiotherapist regarding feedback of the patient(s) that you had referred to him/her OR vice versa if the patient had been referred to you?

Yes	No	Not Applicable

22. Indicate your agreement that you consider there to be an overlap between the scope of practice of Chiropractors and Physiotherapists

Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree

23. Should a patient enquire about Physiotherapy, how do you approach this question? **(Select the option(s) that apply to you)**

Give your professional opinion	Outline the enquired professions scope of practice	Outline the difference between the chiropractic and physiotherapy professions	Say that you don't know enough	Tell the patient that you can treat the same condition

24. Indicate your agreement that inter-professional relationships between Chiropractors and Physiotherapists are beneficial for:

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
24.1 The patient					
24.2 The Physiotherapy profession					
24.3 The Chiropractic profession					

Thank you for your time in completing this questionnaire

Online Appendix 2:

Main Study Questionnaire for Physiotherapists

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Male	Female

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<200	200–400	401–600	601–800	801–1000	>1000

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Section 5: Inter-professional relationships

19. Do you ever refer patients to a Chiropractor?

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19.2.14 Psychological Disorders	
19.2.15 Disc Herniation	
19.2.16 Temporomandibular Joint Disorders	
19.2.17 Post-operative Rehabilitation	

19.3 If you answered NO to question 19: please provide the reason(s) for not referring a patient to the Chiropractor:

20. Does a Chiropractor ever refer patients to you?

Yes	No

20.1 If you answered YES to question 20: indicate for which of the following condition(s) Chiropractor(s) refer patients to you: **(Tick ALL that apply)**

Conditions for which a patient has been referred to you by a Chiropractor	YES
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Thank you for your time in completing this questionnaire