Physiotherapy Interventions May be Influenced by Racial and Ethnic Differences of Patients
The Results of a Scoping Review

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Physiotherapists, like other health care professionals, provide care to people in multicultural environments in many parts of the world.

There may be a misalignment between the values and beliefs of physiotherapist and the patients they serve (Campinha-Bacote, 2003).

Research into the differences in health outcomes among ethnic minority groups is extremely important (Egede, 2006).

Research focused on race, ethnicity or culture of patients and how these factors impact on health outcomes has been limited.
The overall aim of this scoping review was to provide an overview of the research literature to understand the impact of racial/ethnic and cultural differences of patients on physiotherapy interventions offered to patients from racial/ethnic minorities.
Methods

Conducted according to the guidelines proposed by Levac, Colquhoun, & O’Brien (2010) and Arksey and O’Malley methodological framework (2005).

1. Identifying relevant studies
   The initial literature search was conducted using multiple electronic databases

2. Selecting studies
   Written in English, description of physiotherapy interventions, Global North countries, patients from racial/ethnic minorities
Methods

3. Charting the data
   Data extraction included patient population, intervention, study design, study purpose, and study location.

4. Collating, summarizing, and reporting the results:
   Numerical analysis and thematic analysis were conducted with the extracted data.
Results

- 37/610 eligible articles underwent a full-text review.
- 3/37 articles were excluded based on the full-text review.
- A total of 34 studies were included in the scoping review.
Results

Focus of study

- Cardio Pulmonary Fitness Program (3)
- Cultural competence and patients' needs (8)
- Culturally sensitive perinatal programme (1)
- Faith-based program and spirituality (2)
- Falls Prevention Programme (1)
- Health care utilisation (2)
- Physical activity (5)
- Post stroke rehabilitation services (5)
- Self-management /chronic pain (5)
- Urinary incontinence (1)
- Work-related injuries and illnesses (1)
Results

Purposes of studies

- Assessing impacts
- Evaluating the efficacy of intervention
- Evaluating the feasibility and potential efficacy of intervention
- Exploring and describing disparities
- Exploring patients needs
- Understanding the perspectives of patients
- Understanding the perspectives of professional
- Understanding the perspectives of professional and patients
Results

Country were study was conducted

- Canada: 13
- USA: 7
- Netherlands: 5
- Australia: 2
- England: 2
- Germany: 2
- Norway: 1
- Sweden: 1
- Switzerland: 1
Results

Studies’ design and influence of differences due to ethnicity, race or culture

- Controlled trial (1)
- Cross-sectional study (5)
- Factorial study (1)
- Mixed-methods approach (4)
- Pre-post interventional study - Pilot Study (2)
- Qualitative study (7)
- Randomized Controlled Trial (7)
- Retrospective epidemiological cohort study (6)
- Systematic review (1)

0 2 4 6 8

Influence  No influence  Unclear influence
Conclusion

• There may be important differences in outcomes of physiotherapy interventions for people from ethnic minority groups due to their racial/ethnic and cultural differences.
• These differences may extend to the experiences and attitudes of both patients and physiotherapists.
• The impact of race, ethnicity or culture on these differences is not clear.
• More research is required:
  - Factors that may influence these differences
  - The use of physiotherapy services among patients from racial/ethnic minority groups
References


Thank You

Dankie  Gracias  شكراً 感谢您  Obrigado  Teşekkür Ederiz

Cпасибо  Merci  Takk  감사합니다 ขอบคุณ

Köszönjük  Dziękujemy  Děkojame  Děkujeme vám ありがとうございます  Tack

Grazie  Vielen Dank  Paldies  Спасибо  Tänname teid

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Kiitos  Terima kasih _THANK YOU_  감사합니다 ขอบคุณ

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