

Music and Parkinson's Disease

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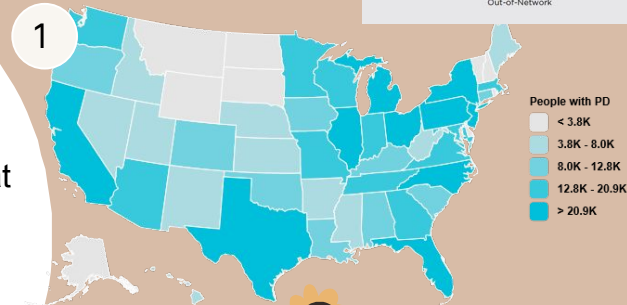
The Problem:

Parkinson's Disease

Definition: A neurodegenerative disease that Limits a person's movement, preventing a them from being able performing daily tasks. Currently no cure.

Other Related problems caused by Parkinson's Disease:

- Insomnia; Difficulty sleeping
- Anxiety and Depression
- Fatigue
- Respiratory /breathing problems



PATIENTS TAKING MEDICATION TO RELIEVE SYMPTOMS RELATED TO PARKINSON'S DISEASE, BY AGE

57% 30-44 YEAR OLDS

81% 45-54 YEAR OLDS

87% 55-59 YEAR OLDS

84% 60-64 YEAR OLDS

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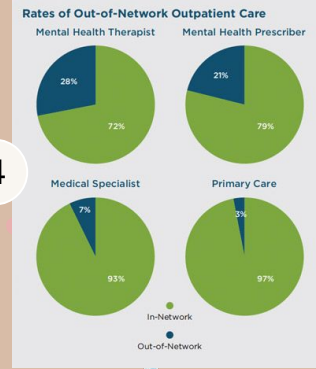
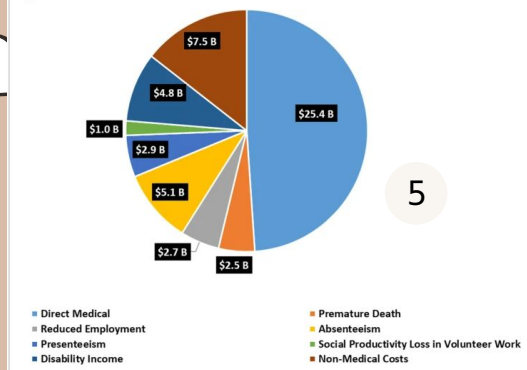
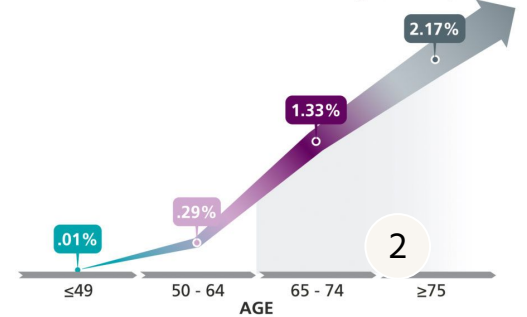


Fig. 1: Total economic burden of Parkinson's disease in the U.S. in 2017 (in billions).



Pie chart of the economic burden of Parkinson's disease in the U.S. in 2017 by components (in billion \$s).

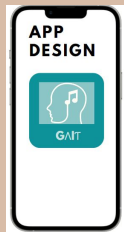
Parkinson's Disease Prevalence Increases with Age (Hamilton & Yang et al, 2019)



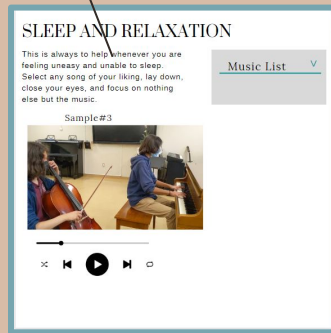
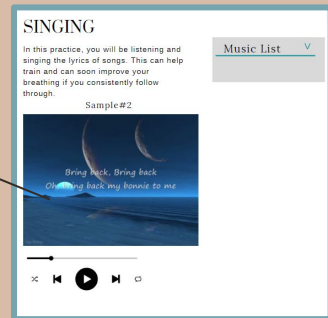
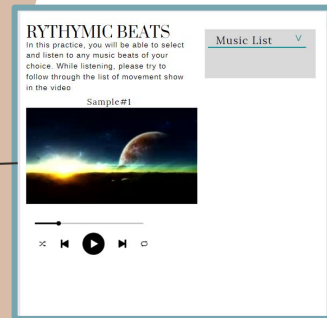
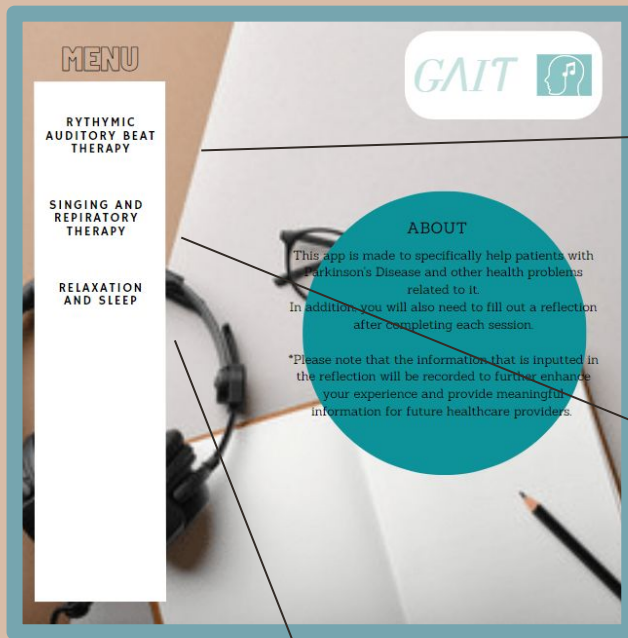
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Our Solution: MUSIC THERAPY!



App Design Preview



REFLECTION

How do you feel after this session?

Did you feel any improvement compared from before?

*A therapeutic treatment through the use of singing, listening, and moving to music.