

Impact of Age on VPCS42 Simple Linear Regression Analysis

Jacqueline V. Gomez

Email: gomez.jacqueline14@gmail.com

LinkedIn: [linkedin.com/in/jacquelinevgomez](https://www.linkedin.com/in/jacquelinevgomez)

28 January 2024

Introduction



Our objective is to explore how age influences physical health outcomes.



We analyzed a dataset from the 2020 Medical Expenditure Panel Survey, which includes over 14,000 observations.

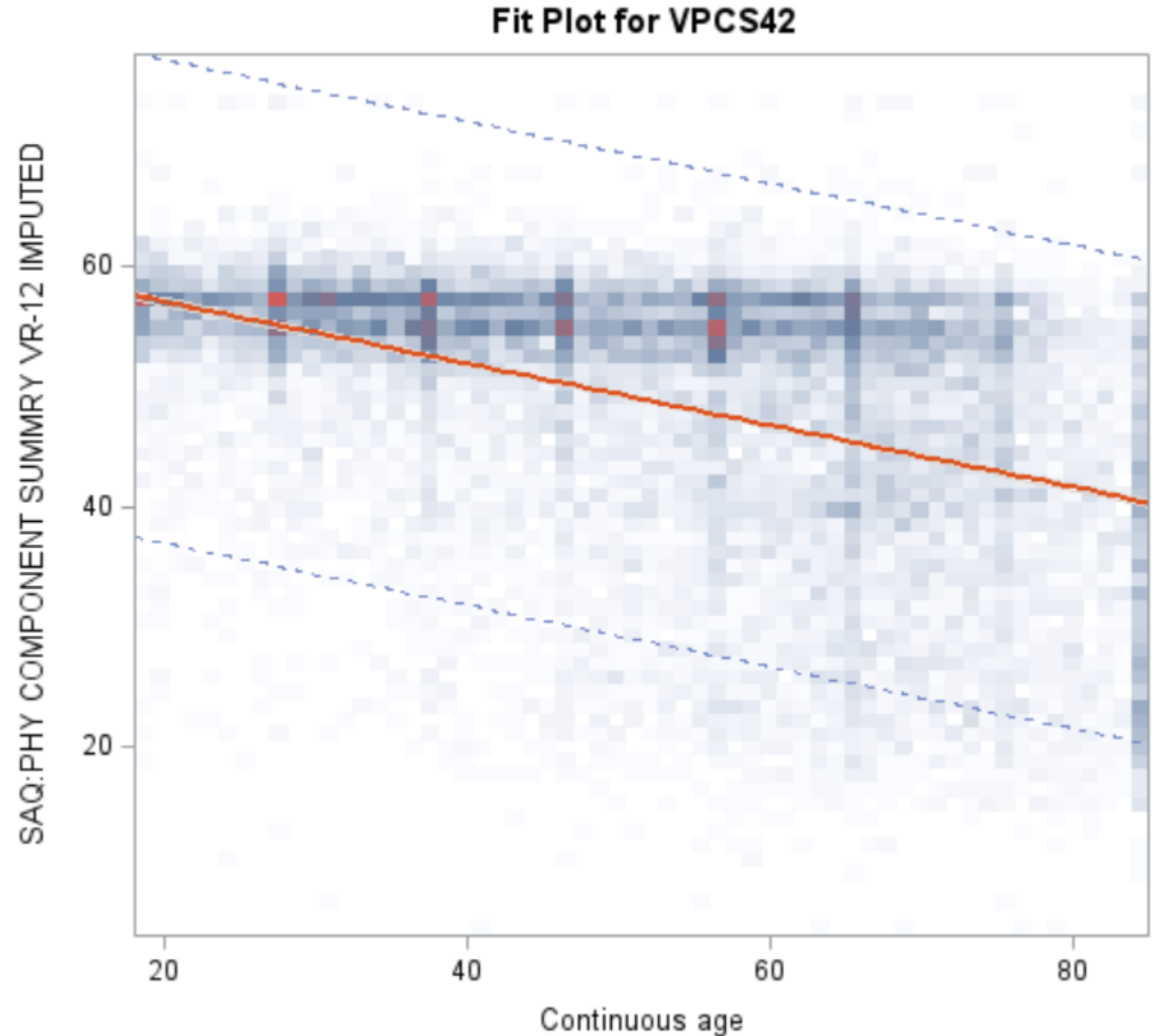
Key Findings



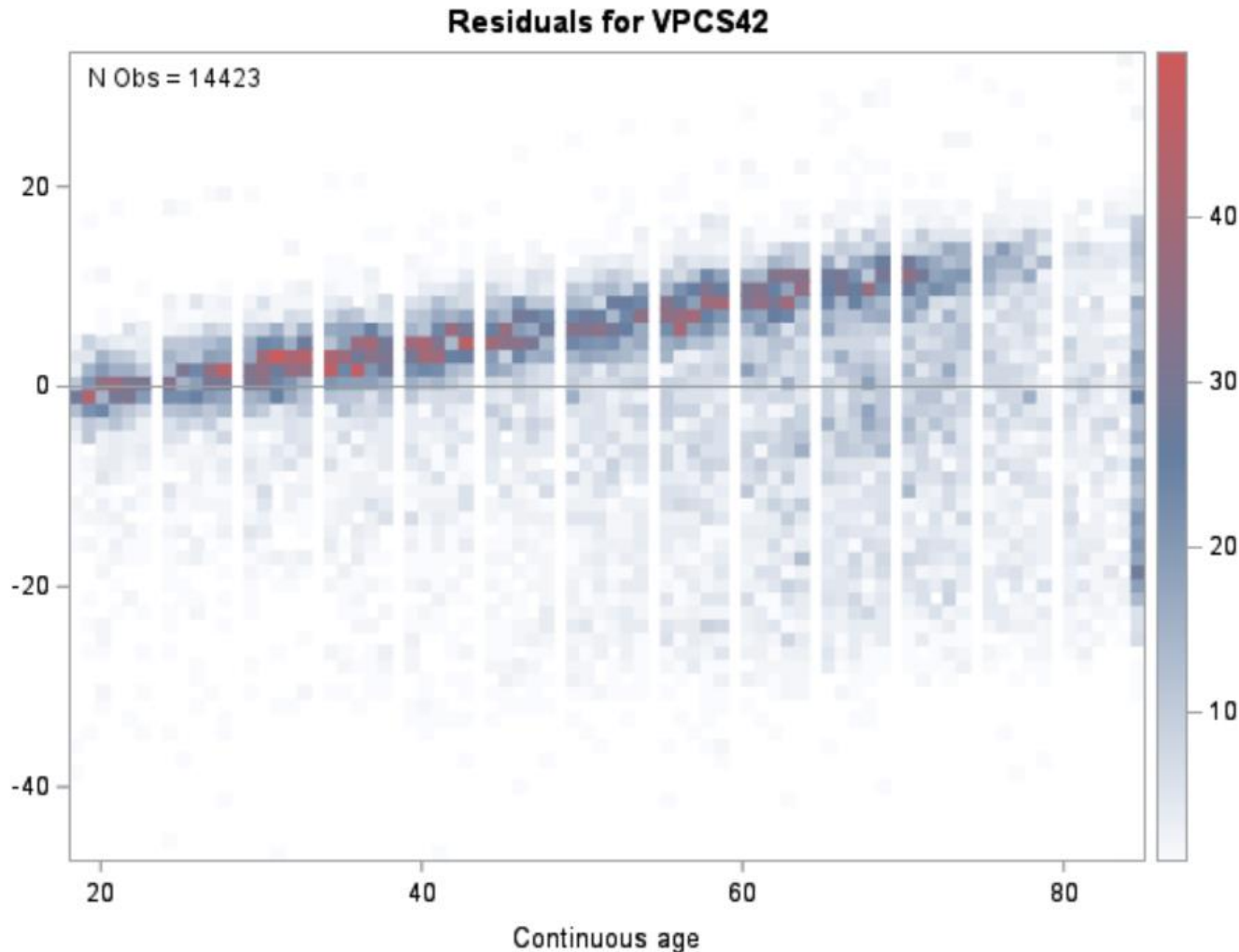
Age has a significant negative impact on physical health scores.



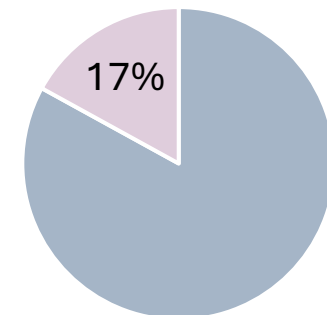
For every additional year of age, physical health scores (VPCS42) decrease by about .26 points.



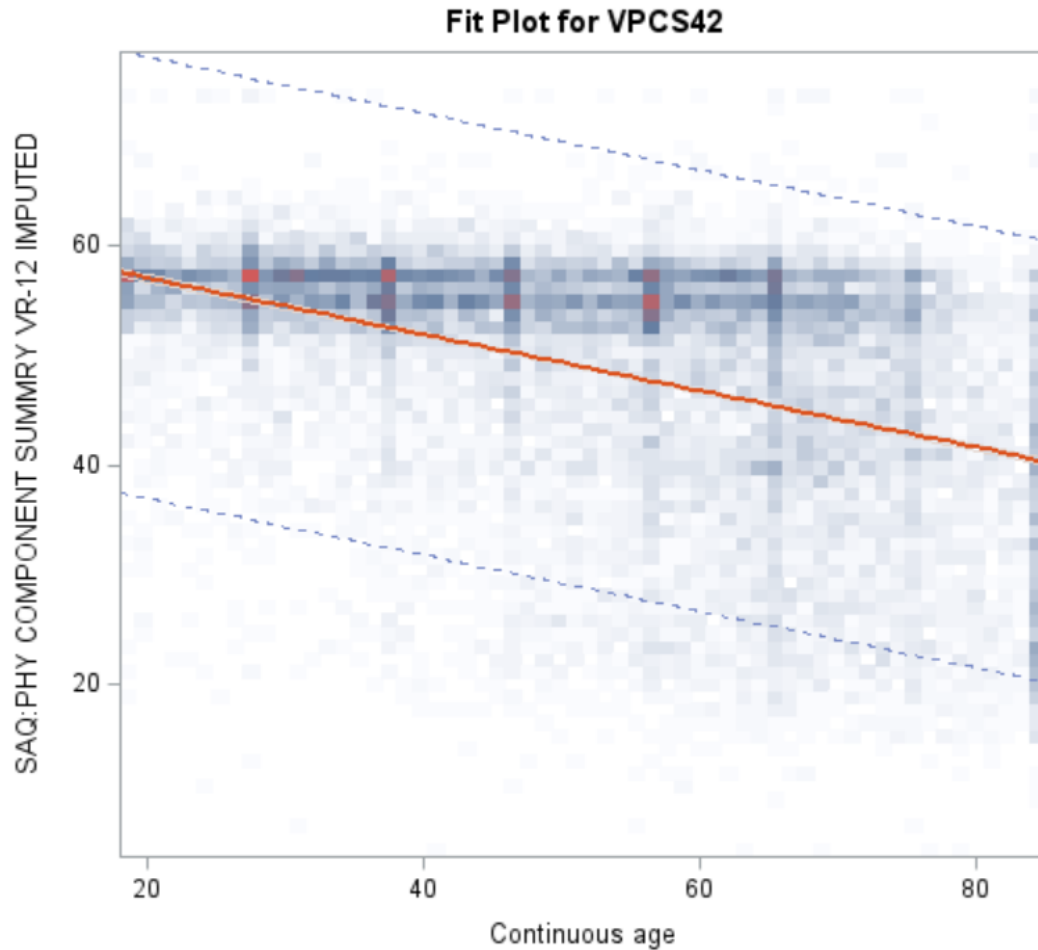
Understanding the Results



- The model shows that age explains about 17% of the variance in VPCS42.
- This means other factors also influence physical health scores.



Addressing Key Questions



How does age influence physical health scores?

- Yes, significant differences exist.

Are there significant differences in outcomes across age groups?

- Age negatively affects physical health scores.

Can age predict physical health outcomes?

- Yes, age is a predictor but not the only factor.

Should be allocated differently based on age? resources

- Yes, older adults may need more targeted support.

Implications for Resource Allocation

1

Consider age when planning health initiatives.

2

Additional support may be necessary for older adults.

3

A holistic approach is needed to address various factors.

Next Steps



Explore other variables that may impact physical health.



Consider further analysis by age groups.



Develop targeted health programs based on findings.



Questions?