

Data Science in Healthcare

Project 2 - Cancer Survival Analysis

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1. Which cancer has the highest survival for this cohort?

Thyroid has the highest survival for this cohort.

2. Which cancer has the lowest survival for this cohort?

Lung cancer has the highest survival for this cohort.

3. How many patients had 2 cancer diagnosis?

There are 29 patients who had 2 cancer diagnosis.

4. Which age group has the lowest survival after 400 days since cancer diagnosis?

The age group 91-100 has the lowest survival after 400 days since cancer diagnosis.

5. What is the survival rate for females with colorectal cancer after 1000 days since diagnosis?

The survival rate for females with colorectal cancer after 1000 days since diagnosis is 94.84%.

6. What is the survival rate for males with lung cancer after 300 days since diagnosis?

The survival rate for males with lung cancer after 300 days since diagnosis is 91.50%.

7. What is the survival rate for females with melanoma cancer after 1200 days since diagnosis?

The survival rate for females with melanoma cancer after 1200 days since diagnosis is 95.88%.

8. What is the survival rate for males with thyroid cancer after 1500 days since diagnosis?

The survival rate for males with thyroid cancer after 1500 days since diagnosis is 97.23%.

9. What is the survival rate for males with pancreatic cancer after 2200 days since diagnosis?

The survival rate for males with pancreatic cancer after 2200 days since diagnosis is 95.28%

10. What is the survival rate for African Americans with colorectal cancer after 2000 days since diagnosis?

the survival rate for African Americans with colorectal cancer after 2000 days since diagnosis is 77.07%

11. What is the survival rate for Whites with lung cancer after 1000 days since diagnosis?

The survival rate for Whites with lung cancer after 1000 days since diagnosis is 90.93%.

12. What is the survival rate for African Americans with melanoma cancer after 2 years since diagnosis?

The survival rate for African-Americans with melanoma cancer after 2 years since diagnosis is 82.54%.

13. What is the survival rate for Whites with pancreatic cancer after 3 years since diagnosis?

The survival rate for Whites with pancreatic cancer after 3 years since diagnosis is 96.54%.

14. What is the survival rate for Asians with thyroid cancer after 1500 days since diagnosis?

The survival rate for Asians with thyroid cancer after 1500 days since diagnosis is 98.49%.

15. Which age group has the lowest survival for colorectal cancer at the end of the study?

The age group with the lowest survival for colorectal cancer at the end of the study is 51-60.

16. Which age group has the highest survival for lung cancer at the end of the study?

The age group with the highest survival for lung cancer at the end of the study is 21-30.

17. What is the survival rate for 61-70 age group with melanoma cancer after 5 years since diagnosis?

The survival rate for 61-70 age group with melanoma cancer after 5 years since diagnosis is 97.40%.

18. What is the survival rate for 21 - 30 age group with pancreatic cancer after a year since diagnosis?

The survival rate for 21 - 30 age group with pancreatic cancer after a year since diagnosis is 100.00%

19. What is the survival rate for 51-60 age group with thyroid cancer after 2200 days since diagnosis?

The survival rate for 51-60 age group with thyroid cancer after 2200 days since diagnosis is 98.18%.

20. Which race has the high survival for all cancers after 2500 days since diagnosis?

The race with the highest survival for all cancers after 2500 days since diagnosis is White