

Key findings from Titanic dataset

Dataset: Titanic

Source: Kaggle

Tool: Excel

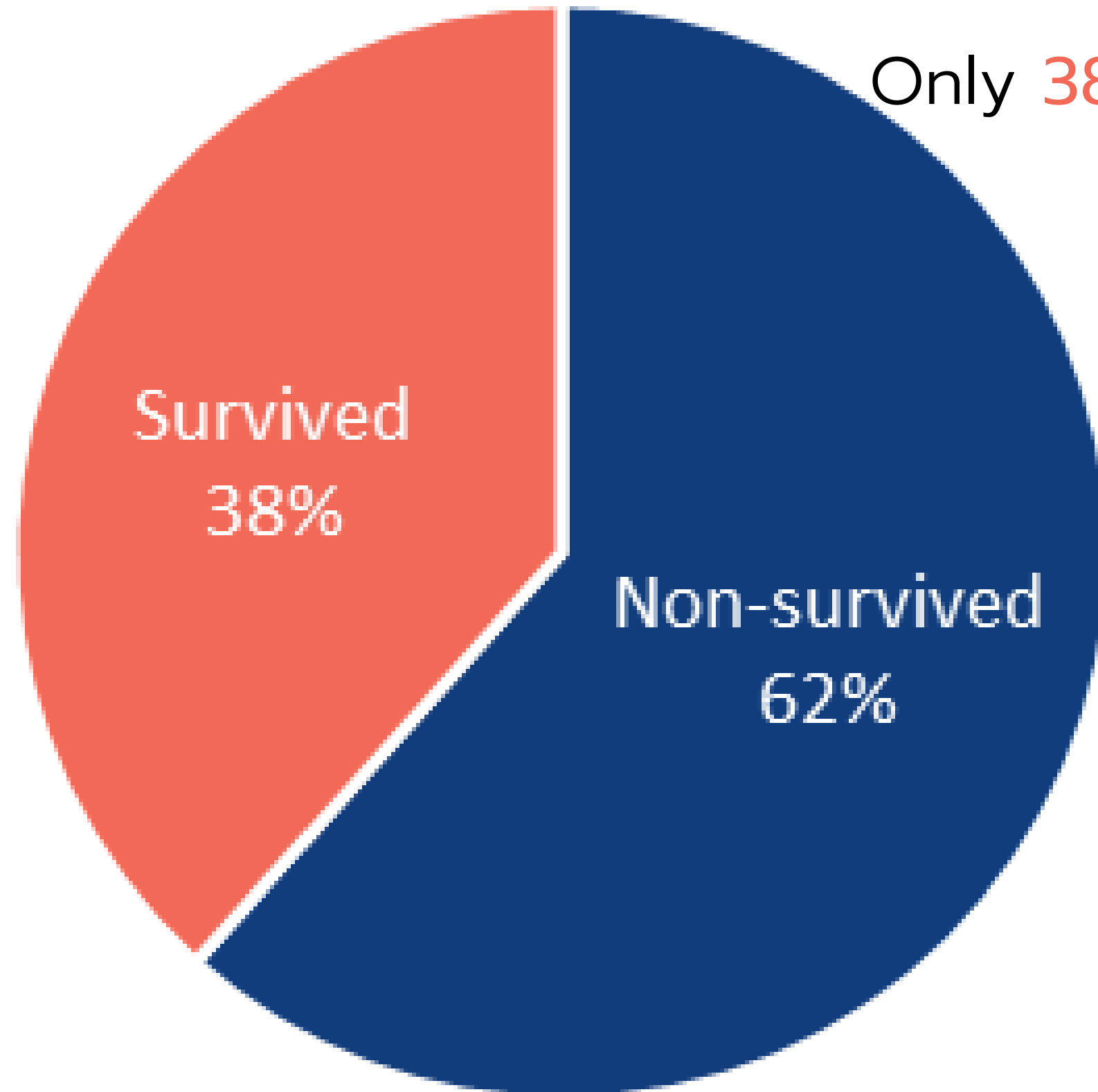
Presenter: Dương Ngân

Statistical Overview

(Ratio Data only)

	Age	SibSp	Parch	Fare
Mean	24.45	0.52	0.38	32.20
STD	13.24	1.10	0.81	49.69
Min	0.42	0	0	0
25%	22	0	0	7.91
Median (50%)	30	0	0	14.45
75%	35.50	1	0	31
Max	80	8	6	512.33

Survived Overview



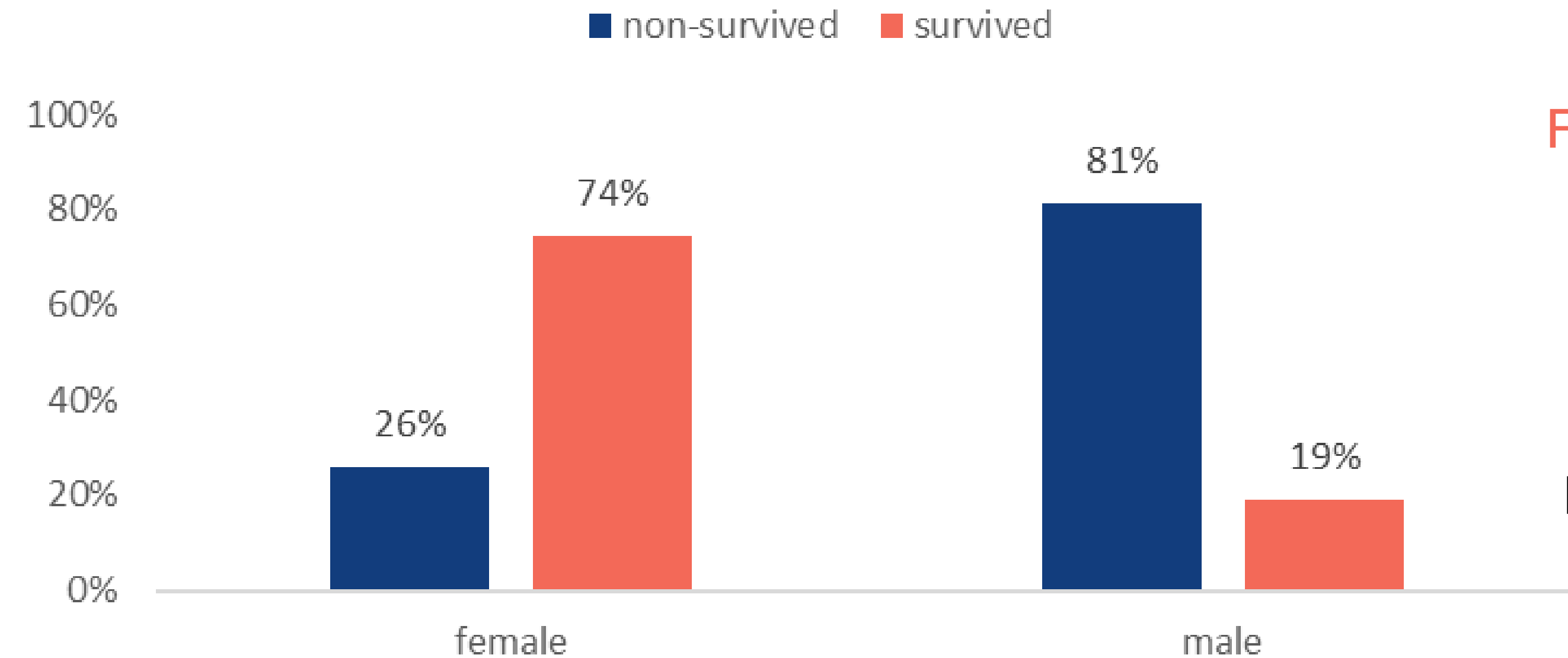
Only **38%** passengers **survived** during that tragedy.

62% did **not** survived.

Data is analyzed in more detail in the following sections.



Sex vs. Survived



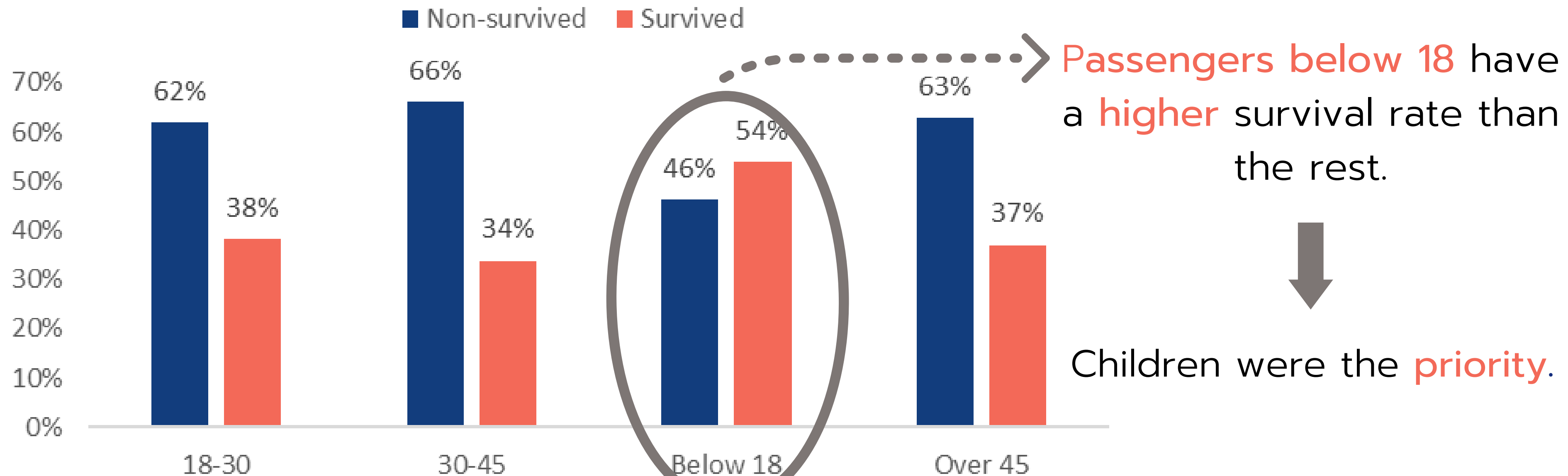
Female passengers have a higher survival rate than male passengers.



Females were the priority.

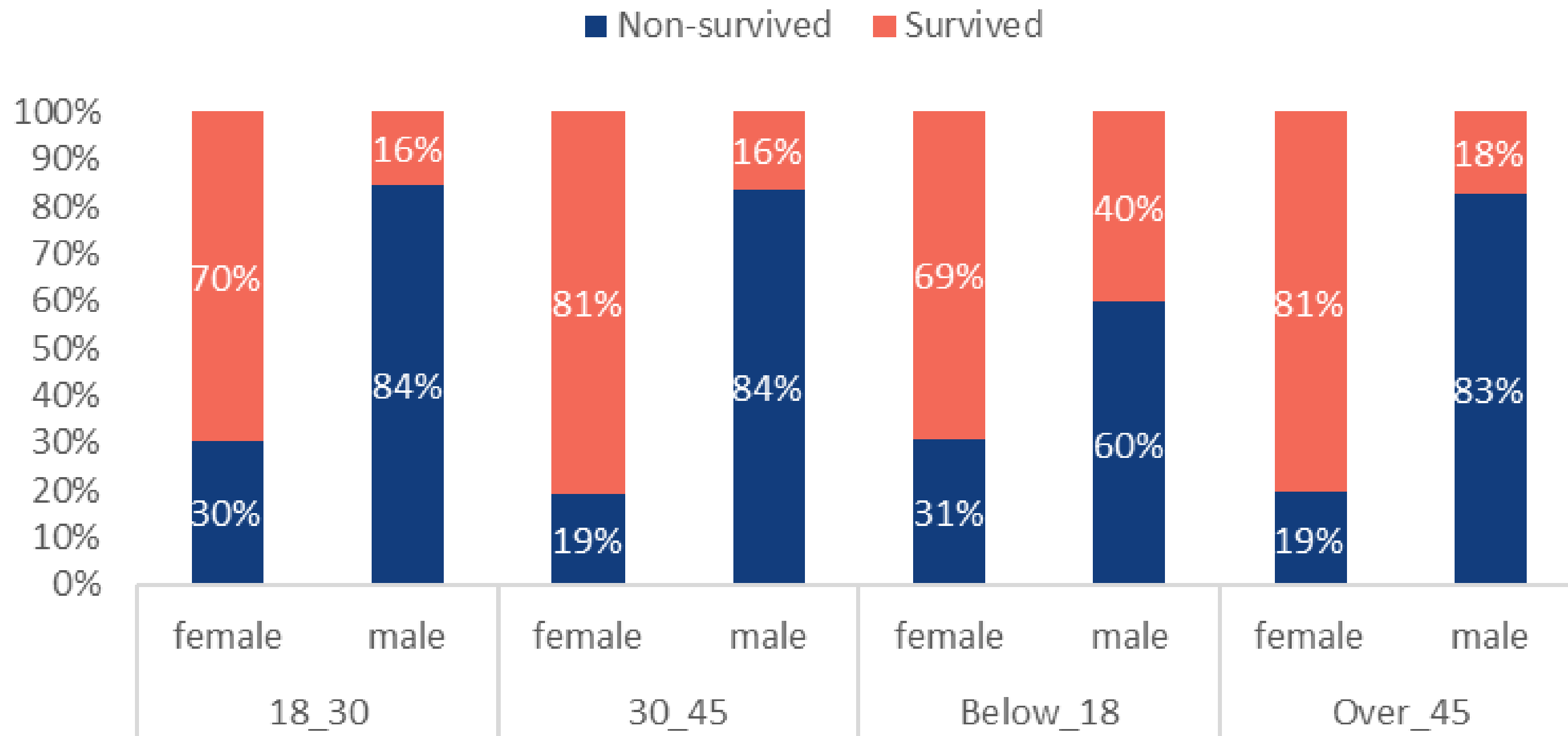
Passenger Gender Distribution -
Survived vs. Non-survived

Age vs. Survived



Passenger Age Distribution -
Survived vs. Non-survived

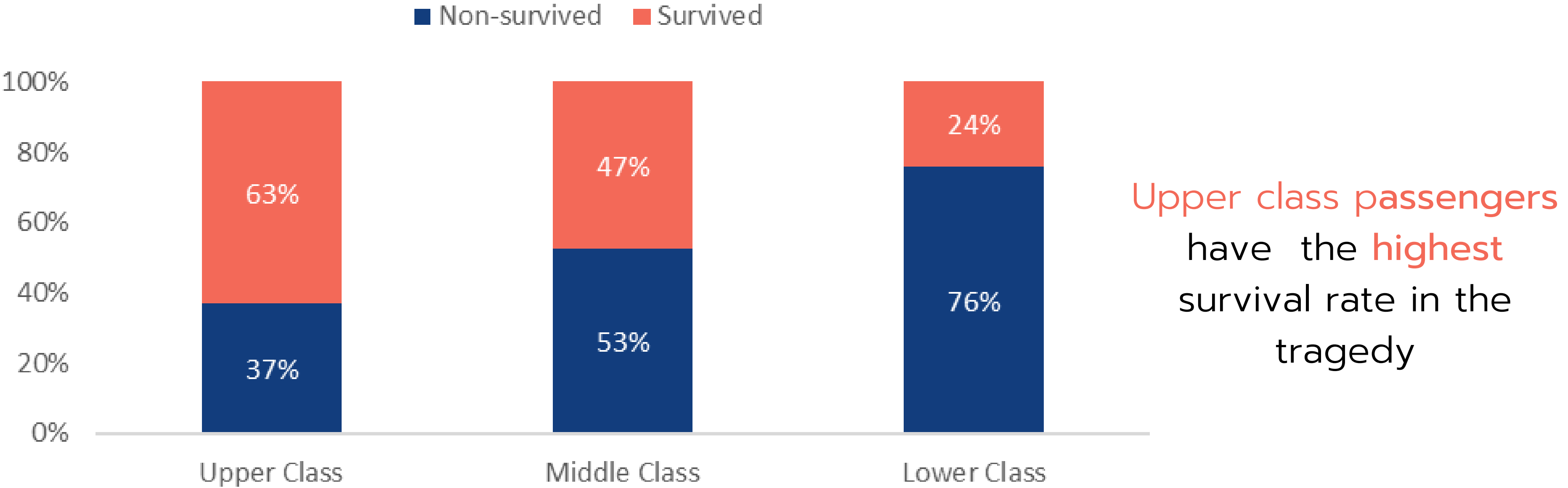
Survived by Sex and Age



Female passengers tend to survive more at any age.

Male passengers under the age of 18 survived more than men of other ages.

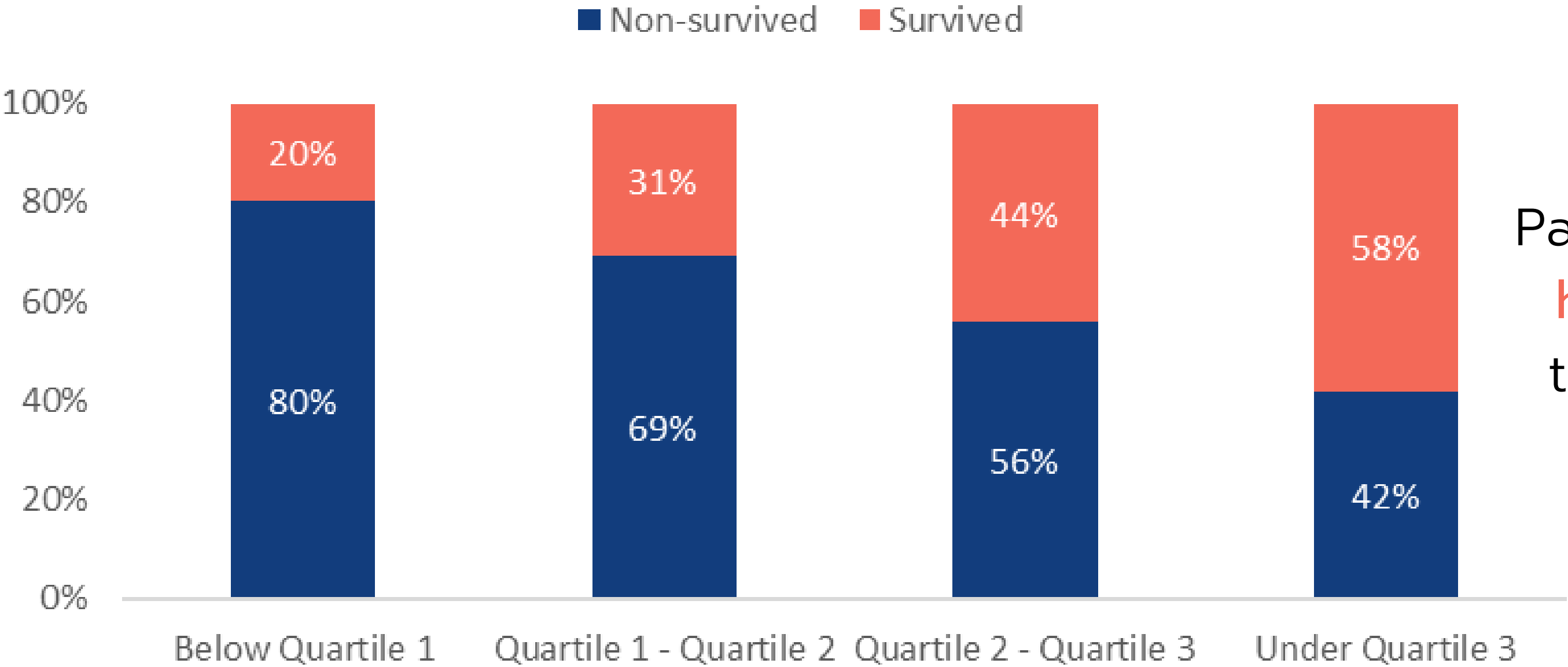
PClass vs. Survived



Passenger Class Distribution -
Survived vs. Non-survived

Upper class passengers
have the **highest**
survival rate in the
tragedy

Fare vs. Survived

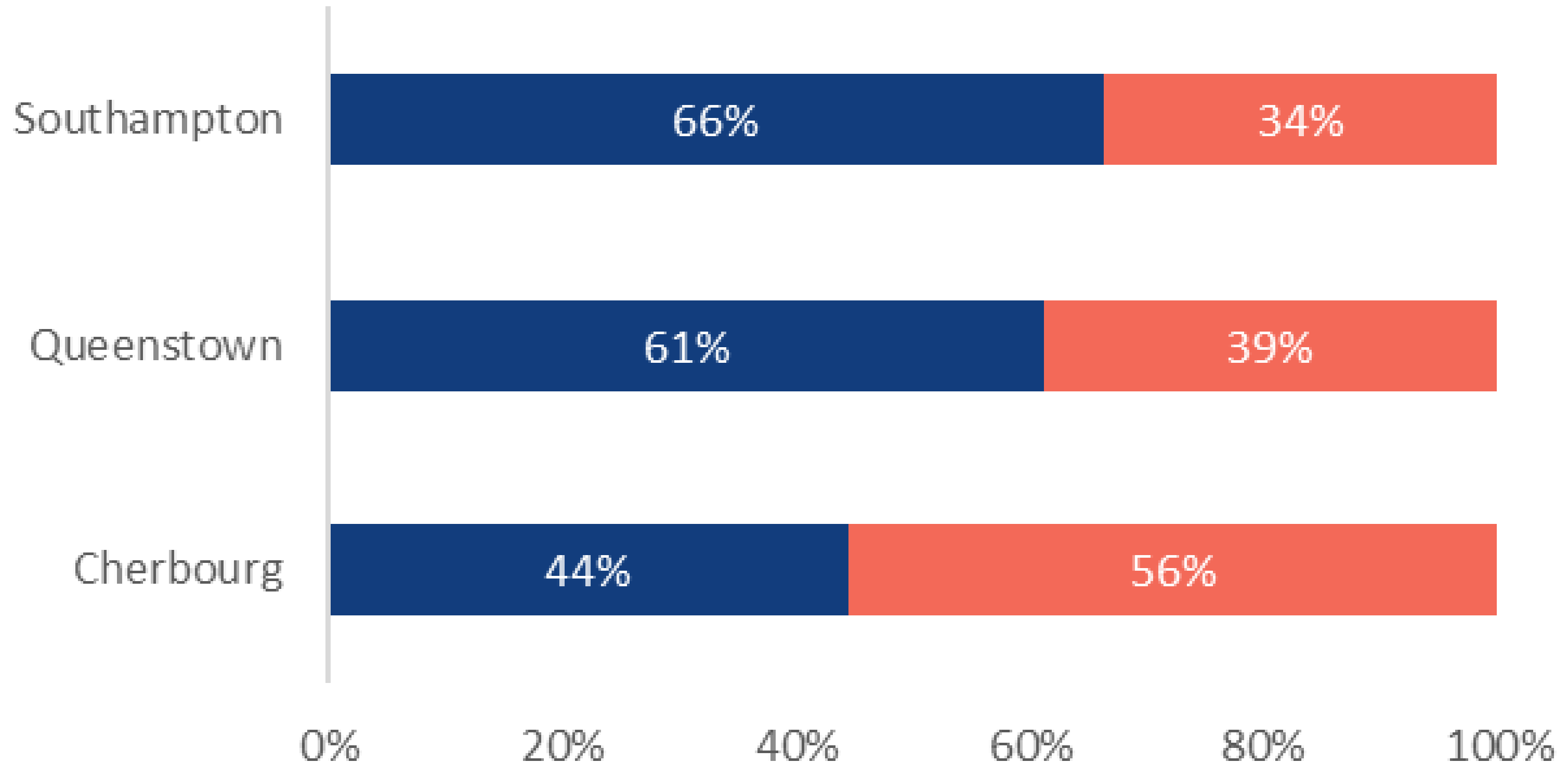


Passengers who bought **higher-priced** tickets tended to have **more chance of surviving**.

Fare Distribution -
Survived vs. Non-survived

Embarked vs. Survived

■ Non-survived ■ Survived



Embarked vs. Survived



Passengers departing from
Cherbourg have the
highest survival rate (56%)

More than 60% of the
passengers **died** boarded
on **Queenstown**.

Passengers departing from
Southampton have the
lowest survival rate (34%)

Conclusion

There are many things for a greater chances to survive. Being a female or a child will increase your chances. As for a man, you are more likely to survive if you are under 18. If you are upper class, you have a better chance of survival than passengers in lower class. Similar to ticket fare, the more expensive the ticket, the higher the chance of survival. Finally, if you depart from Cherbourg, your survival chances are greater compare to Southampton and Queenstown.

Thanks for reading

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