Approximately, About, Around explained in about 2 paragraphs

Approximately, about, and around can all be used to indicate that a quantity is inexact. Which of these words is best depends on the context, according to the style manual of the American Medical Association.¹

In medical and scientific writing, “approximately is nearly always the best choice.”¹

Examples:
- Approximately 35% of the patients in the study had stage I or II disease.
- Our findings indicated that the optimal particle diameter was approximately 3 nm.

In nonscientific contexts, approximately, about, and around “are all acceptable.”¹

Examples:
- Travelers should keep in mind that at this time of year, the sun sets at approximately 5:30 pm.
- A taxi ride from the airport to the convention center costs about $45.
- We anticipate that around 500 attendees will visit the MD Anderson booth over the weekend.

Reference
https://academic.oup.com/book/27941/chapter/207567296#427103112