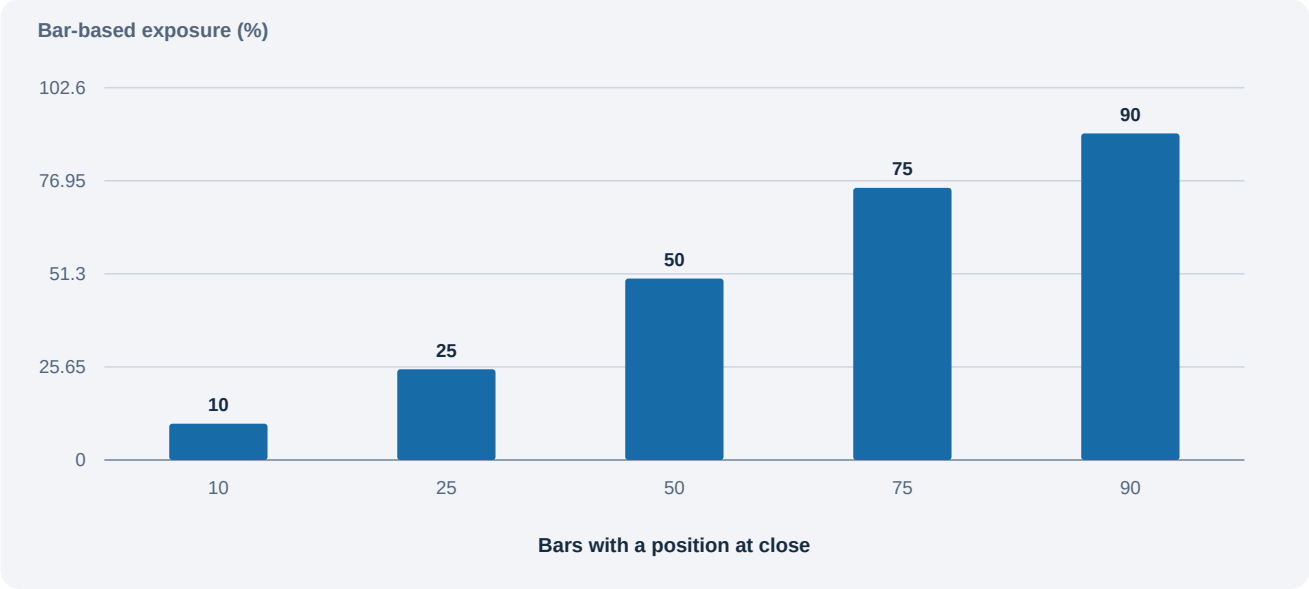
Fraction of bars with exposure

Research and evaluation | Original synthetic example | Edition 2026-11-26

Exposure time is the share of observed intervals during which a strategy holds a position under a specified sampling convention. It distinguishes active participation from time spent flat.

FORMULA Exposure fraction = invested bars / eligible bars

SCENARIO 01: 100 eligible bars; position-at-close convention



WORKED EXAMPLE

50 invested bars among 100 eligible bars give 50% exposure. Intrabar holding times are not measured.

COMMON MISTAKE

Assuming bar-based exposure equals exact intrabar holding time hides the sampling approximation.

BEFORE YOU USE THE CALCULATION

1. Define when a bar counts as invested.
2. Use eligible session bars.
3. State the treatment of overlapping positions.

COMPARE TWO MORE INPUT SETS

Scenario 05: 300 eligible bars; position-at-close convention. 150 invested bars among 300 eligible bars give 50% exposure. Intrabar holding times are not measured.

Scenario 10: 550 eligible bars; position-at-close convention. 275 invested bars among 550 eligible bars give 50% exposure. Intrabar holding times are not measured.

Synthetic values are not historical market data. Educational material; trading can result in substantial losses.