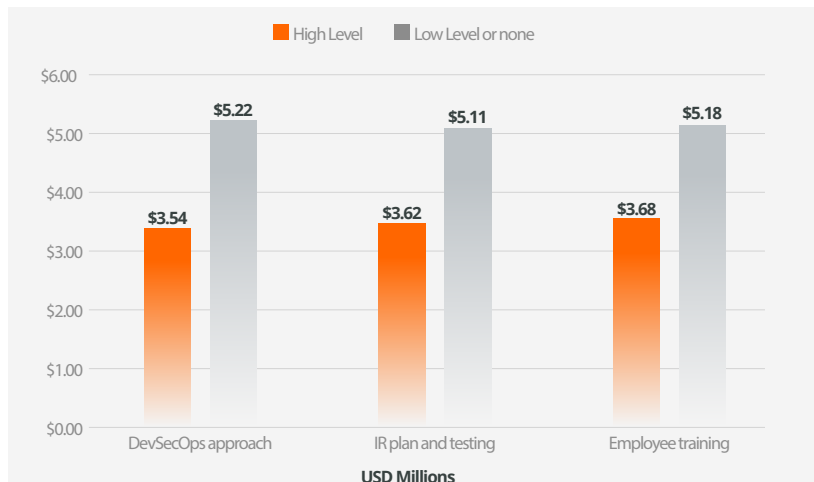# Data Breach Costs

TOTAL COST OF A DATA BREACH WITH HIGH AND LOW LEVELS OF ADHERENCE TO VARIOUS MITIGATION STRATEGIES ● ● ●

Legend: High Level | Low Level or none

	DevSecOps approach	IR plan and testing	Employee training
High Level	$3.54	$3.62	$3.68
Low Level or none	$5.22	$5.11	$5.18

USD Millions

$1.68 million or 38.4%
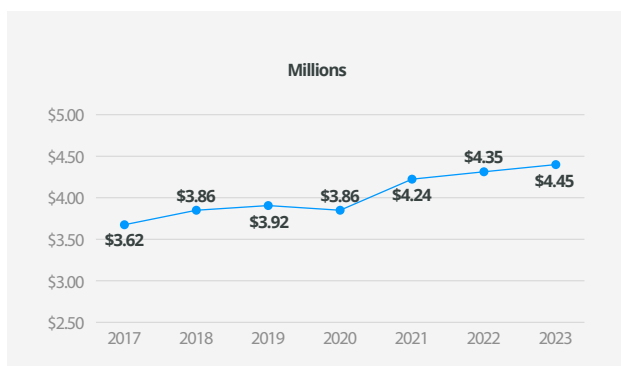The difference between organizations with high and low levels of a DevSecOps approach.

$1.49 million or 34.1%
The differnce between high and little to no IR planning and testing.

$1.5 million or 33.9%
The difference between high and low levels of employee training.
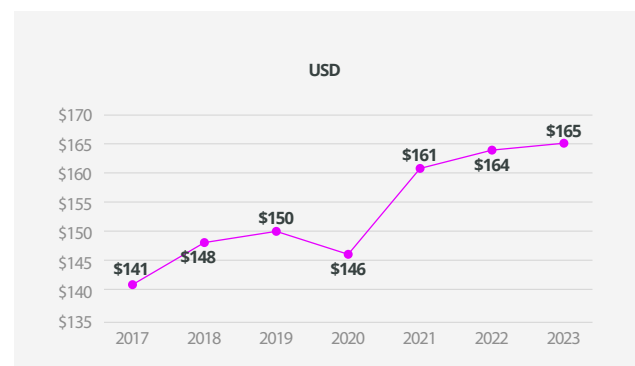
TOTAL COST OF A DATA BREACH ● ● ●

Millions

2017	2018	2019	2020	2021	2022	2023
$3.62	$3.86	$3.92	$3.86	$4.24	$4.35	$4.45

$4.45 million
The average cost of a data breach.

15.3%
Is the percentage increase to the average total cost of a data breach.

PER-RECORD COST OF A DATA BREACH ● ● ●

USD

2017	2018	2019	2020	2021	2022	2023
$141	$148	$150	$146	$161	$164	$165

$165
Per-record cost of a data breach - a new high.

12.4%
The percentage increasae to the average cost of a data breach since 2017.

The following data is from the 2023 cost of a data breach report by IBM and the Ponemon institute.

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