

ANOVA

ANOVA - Individuals Affected

Cases	Sum of Squares	df	Mean Square	F	p	η^2
Type of Breach	$3.369 \times 10^{+12}$	1	$3.369 \times 10^{+12}$	13.335	< .001	0.004
Covered Entity Type	$4.332 \times 10^{+12}$	2	$2.166 \times 10^{+12}$	8.572	< .001	0.006
Type of Breach * Covered Entity Type	$5.759 \times 10^{+11}$	2	$2.879 \times 10^{+11}$	1.140	0.320	7.674×10^{-4}
Residuals	$7.363 \times 10^{+14}$	2914	$2.527 \times 10^{+11}$			

Note. Type III Sum of Squares

Descriptives

Descriptives - Individuals Affected

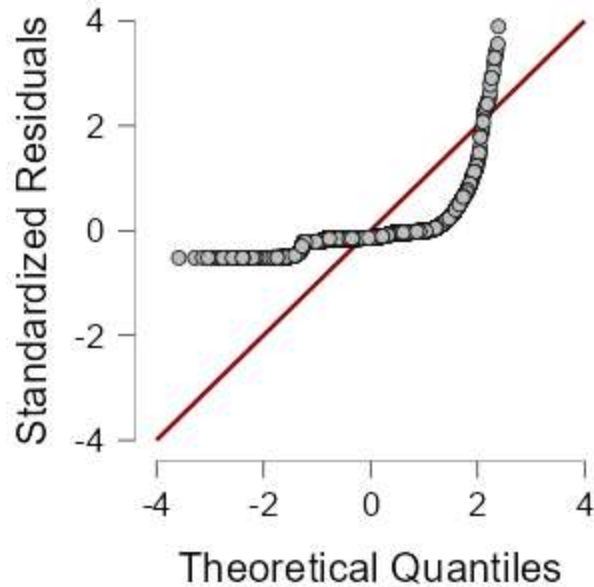
Type of Breach	Covered Entity Type	N	Mean	SD	SE	Coefficient of variation
Hacking/IT Incident	Business Associate	376	261744.082	$1.072 \times 10^{+6}$	55300.156	4.097
	Health Plan	266	109555.523	435353.129	26693.213	3.974
	Healthcare Provider	1654	78910.669	365937.066	8997.848	4.637
Unauthorized Access/Disclosure	Business Associate	88	108605.693	499376.762	53233.742	4.598
	Health Plan	130	10272.477	34809.130	3052.963	3.389
	Healthcare Provider	406	21218.478	169679.442	8421.049	7.997

Assumption Checks

Test for Equality of Variances (Levene's)

F	df1	df2	p
30.715	5.000	2914.000	< .001

Q-Q Plot



Post Hoc Tests

Standard

Post Hoc Comparisons - Type of Breach

		Mean Difference	SE	t	p _{tukey}
(Hacking/IT Incident)	(Unauthorized Access/Disclosure)	103371.209	28307.623	3.652	< .001

Note. Results are averaged over the levels of: Covered Entity Type

Post Hoc Comparisons - Covered Entity Type

		Mean Difference	SE	t	p _{tukey}
Business Associate	Health Plan	125260.888	40114.792	3.123	0.005
	Healthcare Provider	135110.314	32857.167	4.112	< .001
Health Plan	Healthcare Provider	9849.426	30284.599	0.325	0.943

Note. P-value adjusted for comparing a family of 3

Note. Results are averaged over the levels of: Type of Breach