

H1 2023 Data Breach Analysis: 2023 Data Compromises Are on a Blistering Pace to Set a New Record

Summary

- + The number of data compromises reported in the U.S. in the first half (H1) of 2023 is higher than the total compromises reported every year between 2005 and 2020, except for 2017. For the H1 ending June 30, 2023, there were 1,393 data compromises reported, including 951 in the second quarter (Q2). Since 2005, only the full years of 2017, 2021 and 2022 have exceeded the number of compromises recorded in the first six months of 2023.
- + Data breach patterns are difficult to predict. However, given that the number of compromises per quarter has been more than 350 since the fourth quarter (Q4) of 2020, it is reasonable to project the total number of 2023 data events will far exceed the 2021 record-high number of 1,862.
- + Every sector reported a higher number of data compromises in H1 2023 compared to the previous H1. Healthcare leads the sectors with the most compromises. However, Financial Services firms reported nearly double the number of compromises versus H1 2022.
- + "Not Specified" continued to be the leading cause of data breaches in H1 2023, with 534 notices lacking actionable information about the root cause of a compromise, up from 319 in H1 2022. Phishing and ransomware were the primary attack vector for cyberattacks. However, the number of malware attacks jumped 89 percent over the same period last year.
- + While the number of compromises is on pace to set a new high-water mark, the number of victims disclosed in notices is well behind 2022's pace. Notices in H1 2023 estimated 156M individuals were impacted by a data compromise compared to the ~424M people affected by data events in full-year 2022.

Q2 Data Compromise Highlights

This quarter had the highest number of compromises the ITRC has ever tracked in a single quarter.



Number of Q2 Compromises



946 DATA BREACHES

56,217,391 VICTIMS

5 DATA EXPOSURES

23 VICTIMS

0 DATA LEAKS

0 VICTIMS

0 UNKNOWN COMPROMISES

0 VICTIMS

Q2 Attack Vectors



CYBERATTACKS

673 Breaches

55,779,336 Victims



SYSTEM AND HUMAN ERRORS

253 Breaches/Exposures

415,234 Victims



PHYSICAL ATTACKS

25 Breaches/Exposures

22,844 Victims



SUPPLY CHAIN ATTACKS

67 Breaches/Exposures

329 Entities Affected

10,780,167 Victims

Top Compromises by Industry in Q2



HEALTHCARE

298 Compromises



FINANCIAL SERVICES

172 Compromises



OTHER

104 Compromises



MANUFACTURING & UTILITIES

85 Compromises



PROFESSIONAL SERVICES

70 Compromises

Q2 Public Data Breach Notices



Top 5 Compromises by Victim Count in Q2

MCNA INSURANCE COMPANY

8,923,662 VICTIMS

LOUISIANA OFFICE OF MOTOR VEHICLES

6,000,000 VICTIMS

PHARMERICA CORPORATION

5,815,591 VICTIMS

TMX FINANCE CORPORATE SERVICES, INC.

4,822,580 VICTIMS

PBI RESEARCH SERVICES/BERWYN GROUP

4,751,490 VICTIMS

H1 Data Compromise Highlights

Number of H1 Compromises



1,379 DATA BREACHES
156,558,466 VICTIMS

12 DATA EXPOSURES
78,950 VICTIMS

0 DATA LEAKS
0 VICTIMS

2 UNKNOWN COMPROMISES
UNKNOWN NUMBER OF VICTIMS

H1 Attack Vectors



CYBERATTACKS
1,049 Breaches
152,075,884 Victims



SYSTEM AND HUMAN ERRORS
311 Breaches/Exposures
4,448,718 Victims



PHYSICAL ATTACKS
31 Breaches/Exposures
112,814 Victims



SUPPLY CHAIN ATTACKS
108 Breaches/Exposures
402 Entities Affected
22,180,035 Victims

Top Compromises by Industry in H1



HEALTHCARE | 379 Compromises



FINANCIAL SERVICES | 241 Compromises



OTHER | 163 Compromises



MANUFACTURING & UTILITIES | 139 Compromises



PROFESSIONAL SERVICES | 112 Compromises

H1 Public Data Breach Notices



Top 5 Compromises by Victim Count in H1

T-MOBILE
37,000,000 VICTIMS

PEOPLECONNECT, INC.
20,221,007 VICTIMS

WEEE! INC.
11,000,000 VICTIMS

ZACKS INVESTMENT RESEARCH, INC.
8,929,503 VICTIMS

MCNA INSURANCE COMPANY
8,923,662 VICTIMS

H1 2023 Data Compromise Charts

Top 10 Compromises of H1 2023

	Entity	Victims Impacted
1	T-Mobile	37,000,000
2	PeopleConnect, Inc. - Instant Checkmate & Truthfinder	20,221,007
3	Weee! Inc.	11,000,000
4	Zacks Investment Research, Inc.	8,929,503
5	MCNA Insurance Company	8,923,662
6	Louisiana Office of Motor Vehicles – MOVEit Transfer	6,000,000*
7	PharMerica Corporation	5,815,591
8	TMX Finance Corporate Services, Inc.	4,822,580
9	PBI Research Services/Berwyn Group – MOVEit Transfer	4,751,490
10	Independent Living Systems, LLC	4,226,508
*Unknown number of victim duplicates. The number will be updated if a total number of victims impacted is reported.		

Compromise Year-over-Year Totals

Year	Compromises	Victims
2023 YTD	1,393	156,637,416
2022	1,802	424,465,517
2021	1,862	298,213,506
2020	1,108	310,218,744
2019	1,279	883,558,186
2018	1,175	2,227,849,622
2017	1,506	1,825,413,935

Unless otherwise noted, all data reported here was entered into the ITRC *notified* database between January 7, 2023, through June 30, 2023.

Quarter-to-Quarter

Year	Compromises	Victims
Q2 2023	951	56,217,414
Q1 2023	442	100,420,002
Q4 2022	512	253,099,805
Q3 2022	473	109,346,060
Q2 2022	413	35,251,441
Q1 2022	404	26,768,211
Q4 2021	566	35,388,356
Q3 2021	445	166,249,443
Q2 2021	497	55,321,228
Q1 2021	354	41,254,479

Compromises by Sector H1 2023 vs. H1 2022 & 2021

	Year					
	H1 2023		H1 2022		H1 2021	
	Compromises	Victims	Compromises	Victims	Compromises	Victims
Education	80	905,787	41	405,493	57	290,767
Financial Services	241	24,731,035	127	22,484,757	133	9,834,719
Government	50	11,079,145	33	810,529	34	1,264,696
Healthcare	379	21,010,179	161	13,130,142	162	10,564,849
Hospitality	18	382,552	11	77,761	18	82,771
Manufacturing & Utilities	139	38,809,009	115	490,535	99	943,592
Non-Profit/NGO	47	2,142,454	36	672,128	35	1,066,117
Professional Services	112	5,914,940	94	3,346,048	75	20,454,867
Retail	53	6,119,759	30	325,530	53	2,086,161
Technology	78	30,871,855	31	15,807,269	47	41,323,522
Transportation	33	11,144,291	19	845,823	22	186,163
Other	163	3,526,410	119	3,623,637	113	8,244,819
Unknown	-	-	-	-	3	232,664
Totals:	1,393	156,637,416	817	62,019,652	851	96,575,707

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Attack Vector H1 2023 vs. H1 2022 & 2021

	H1 2023	H1 2022	H1 2021
Cyberattacks	1,049	730	723
Phishing/Smishing/BEC	246	221	249
Ransomware	131	131	154
Malware	89	47	73
Non-Secured Cloud Environment	8	5	14
Credential Stuffing	21	6	8
Unpatched Software Flaw	-	-	-
Zero Data Attack	17	2	1
Other	14	11	210
NA – Not Specified	523	307	14
System & Human Error	311	66	91
Failure to Configure Cloud Security	12	10	28
Correspondence (Email/Letter)	175	21	30
Misconfigured Firewall	8	15	5
Lost Device or Document	23	1	5
Other	84	11	23
NA – Not Specified	9	8	-
Physical Attacks	31	16	28
Document Theft	2	3	1
Device Theft	13	9	11
Improper Disposal	4	3	3
Skimming Device	7	1	-
Other	5	-	13
NA – Not Specified	-	-	-
Data Leak	-	-	5
Unknown	2	5	4

METHODOLOGY NOTES: For purposes of quarterly and annual reporting, the ITRC aggregates data events based on the date the breach, exposure, or leak was entered into the database rather than the date the event occurred. This avoids the confusion and data conflicts associated with the need to routinely update previous reports and compromise totals. The date of the original compromise, if known, and the date of the event report are noted in the ITRC's [notified data compromise tracking database](#).

The number of victims linked to individual compromises are updated as needed and can be accessed in the ITRC's [notified breach tracking solution](#).

The ITRC reports Third-Party/Supply Chain Attacks as a single attack against the company that lost control of the information. The total number of individuals impacted by third-party incidents is based on notices sent by the multiple organizations impacted by the single data compromise.

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