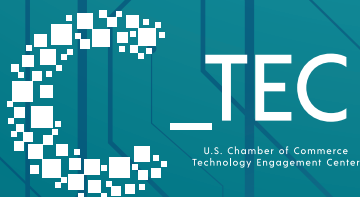


DATA FLOWS, TECHNOLOGY, & THE NEED FOR

NATIONAL PRIVACY LEGISLATION

Appendix & Sources



APPENDIX

SAMPLE OF 24 DATA BREACHES

Company Name	Date	# Affected	Type of data taken
DSW	2005	1,500,000	credit, purchase
ChoicePoint	2006	163,000	PII, SSN, credit, employment
TJX	2006	94,000,000 credit cards	credit/debit, returned purchases
Heartland	2008	130,000,000	credit card numbers, expiration dates, some names
SONY	2011	12,000,000 credit cards	names, credentials, credit card, purchase history, addresses
RSA Security	2011	up to 40,000,000	two-factor authentication
LinkedIn	2012	167,000,000	credentials
Target	2013	41,000,000	credit, contact info
Neiman Marcus	2013	370,000	names, credit card info, mag stripe
MySpace	2013	427,000,000	email addresses, passwords, usernames
Adobe	2013	38,000,000	names, credentials, encrypted debit/credit info, source code
JPM Chase	2014	76 million households	names, addresses, emails, phone (no account)
Home Depot	2014	50,000,000	credit, email
Ebay	2014	145,000,000	names, addresses, DOB, encrypted passwords
OPM	2015	22,000,000	HR records, security clearance, health insurance, PII
Experian	2015	15,000,000	T-Mobile data (PII, SSN, drivers' license, passport)
Anthem	2015	78,800,000	names, addresses, SSNs, DOB, employment history
Yahoo	2013-2016	3,000,000,000	names, emails, DOB, encrypted passwords, security questions
Adult Friend Finder	2016	412,200,000	IP address, credentials, location, language, sex, race, DOB
Uber	2016	57,000,000 + 600,000 drivers	names, email addresses, phone numbers, driver's license
Equifax	2017	145,000,000	credit report, DOB, SSN, lines of credit, income??
MyHeritage	2017	92,000,000	email addresses, passwords
Under Armour	2018	150,000,000	email addresses, passwords, usernames
Marriott	2014-2018	100,000,000 payment info	credit, driver's license, passport,

Company Name	# of valid identity theft claims	Cost of data breach	Settlement Amount
DSW	"Some fraudulent charges"	\$6.5-\$9.5 million	No data
ChoicePoint	750-800	\$17-\$22 million	\$15 million
TJX	0	\$256 million	\$40.9 million
Heartland	11	\$139.4 million	\$102.8 million
SONY	"No evidence"	\$186 million	\$15 million
RSA Security	No data	\$63 million	No settlement
LinkedIn	No data	\$3-\$4 million	\$1.25 million
Target	No data	\$162 million	\$18.5 million
Neiman Marcus	9200	\$1.5 million	\$1.5 million
MySpace	No data	No data	No settlement
Adobe	No data	\$1.2 million	Undisclosed
JPM Chase	"No evidence"	No data	No settlement
Home Depot	No data	\$161 million	\$19.5 million
Ebay	"No evidence"	\$200 million	No settlement
OPM	61	\$421 million	Not liable
Experian	"No evidence"	\$22 million	\$22 million
Anthem	"No evidence"	\$260.5 million	\$115 million
Yahoo	No data	\$467.5 million	\$117.5 million
Adult Friend Finder	No data	No data	Arbitration
Uber	"No evidence"	\$148 million	\$148 million
Equifax	0	\$1.4 billion	Pending
MyHeritage	"No evidence"	No data	Pending
Under Armour	No data	No data	Arbitration
Marriott	No data	\$28 million (so far)	Pending

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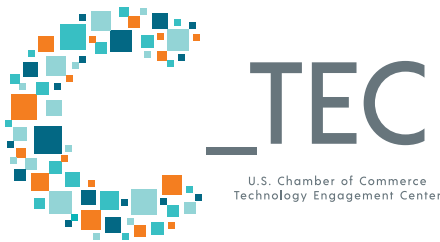
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