

The background of the slide features a light blue gradient that transitions from a pale lavender at the top to a deeper blue at the bottom. Scattered across this background are numerous water droplets of various sizes, rendered with realistic highlights and shadows to give them a three-dimensional appearance. Some droplets are clustered together, while others are isolated.

# IS MY DATA SAFE? CYBERSECURITY VISUALIZATIONS

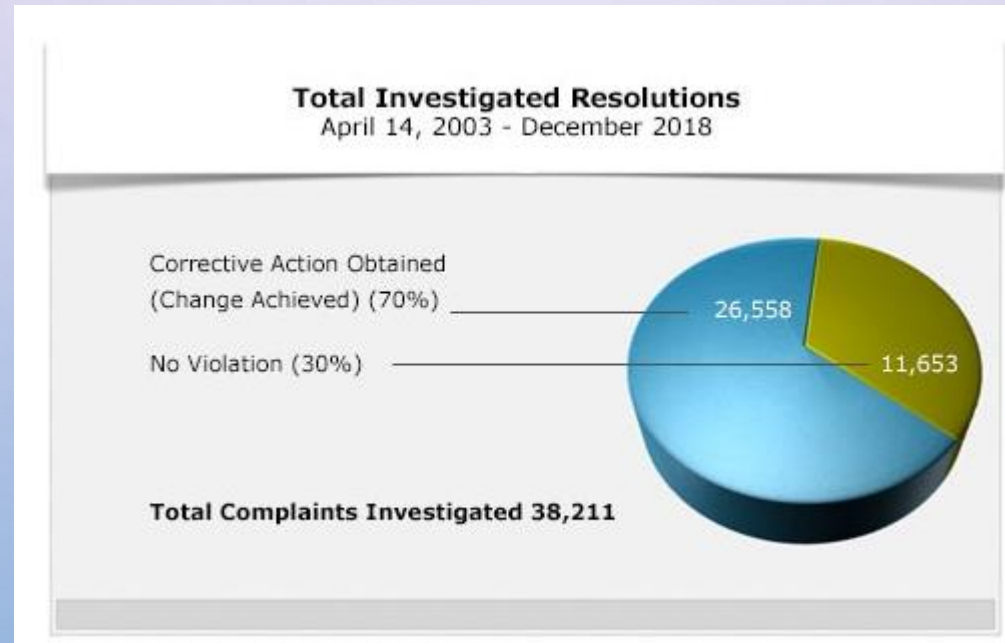
BY: SUZANNA SCHMEELK

# BACKGROUND STATISTICS - AUGUST 3, 2017

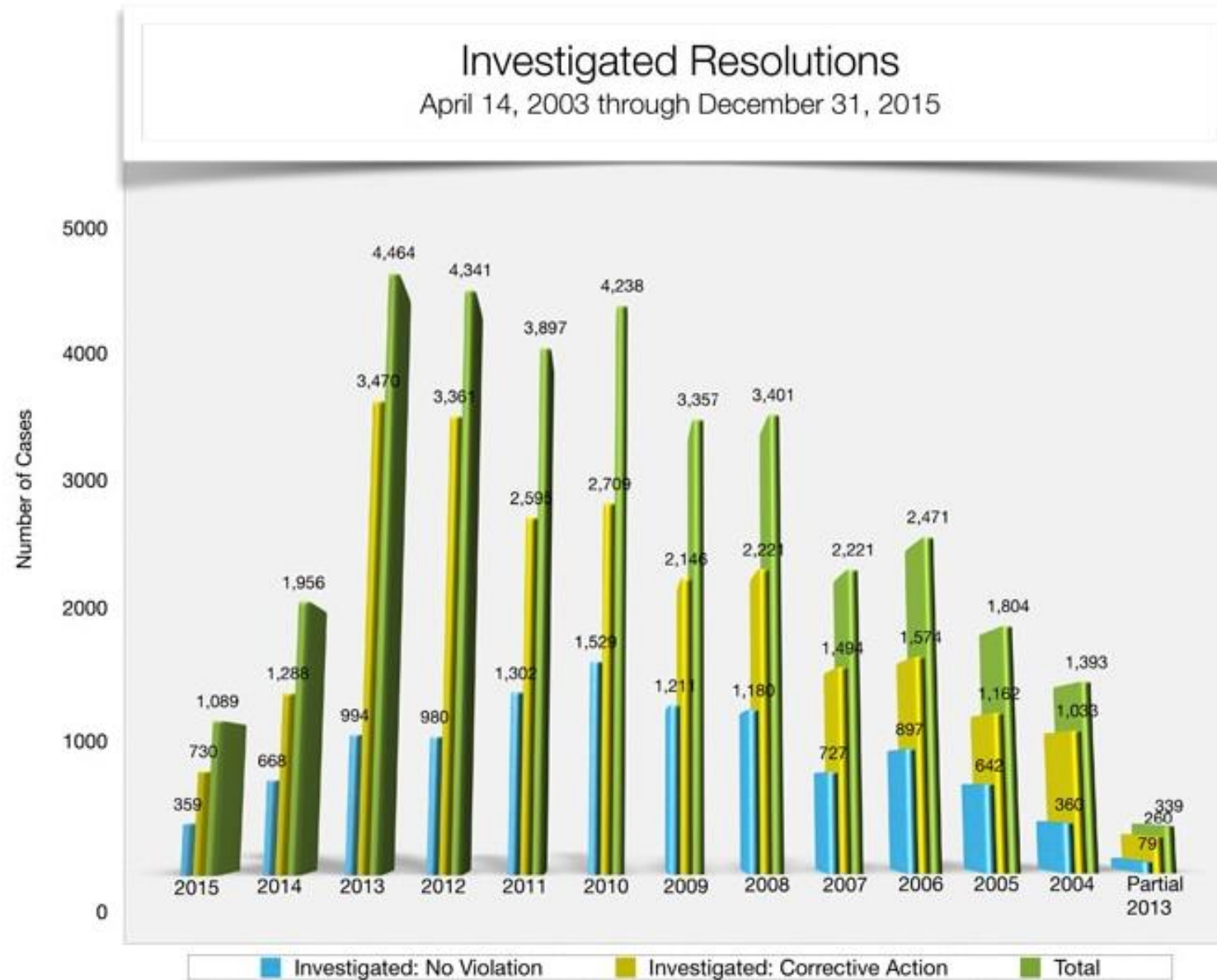
- ACCORDING TO [HTTPS://WWW.HIPAAONE.COM/2017-HIPAA-BREACH-STATS/](https://www.hipaaone.com/2017-hipaa-breach-stats/)
  - APPROXIMATELY 174,792,250 PEOPLE HAVE BEEN AFFECTED BY 1,996 HITECH BREACHES THROUGH JULY 17, ACCORDING TO AN ANALYSIS BY HEALTH INFORMATION PRIVACY/SECURITY ALERT OF DATA RELEASED BY THE HHS OFFICE FOR CIVIL RIGHTS (OCR)
  - BUSINESS ASSOCIATES WERE INVOLVED IN APPROXIMATELY 409 BREACHES WITH 31,239,362 PATIENTS POTENTIALLY EXPOSED
  - IN THE PAST MONTH ALONE, 40 NEWLY POSTED BREACHES AFFECTED APPROXIMATELY 802,896 PATIENTS

# OCR HIPAA SECURITY/PRIVACY AUDITS

- ACCORDING TO [HTTPS://WWW.HHS.GOV/HIPAA/FOR-PROFESSIONALS/COMPLIANCE-ENFORCEMENT/DATA/NUMBERS-GLANCE/INDEX.HTML](https://www.hhs.gov/hipaa/for-professionals/compliance-enforcement/data/numbers-glance/index.html) ON FEBRUARY 12, 2019



# OCR HIPAA SECURITY/PRIVACY AUDITS






U.S. Department of Health & H
+
https://ocrportal.hhs.gov/ocr/breach/breach\_report.jsf
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# U.S. Department of Health and Human Services

## Office for Civil Rights

### Breach Portal: Notice to the Secretary of HHS Breach of Unsecured Protected Health Information



[Under Investigation](#)
[Archive](#)
[Help for Consumers](#)

As required by section 13402(e)(4) of the HITECH Act, the Secretary must post a list of breaches of unsecured protected health information affecting 500 or more individuals. The following breaches have been reported to the Secretary:

## Cases Currently Under Investigation

This page lists all breaches reported within the last 24 months that are currently under investigation by the Office for Civil Rights.

[Show Advanced Options](#)

Breach Report Results							
Expand All	Name of Covered Entity	State	Covered Entity Type	Individuals Affected	Breach Submission Date	Type of Breach	Location of Breached Information
	Rainbow Dental Care PLLC	TX	Healthcare Provider	10000	02/04/2019	Hacking/IT Incident	Desktop Computer
	Anesthesia Associates of Kansas City	KS	Healthcare Provider	3472	02/01/2019	Theft	Paper/Films

# Penalties



## 2018 HIPAA Fines

Date	Organization	Fine Total	Link to OCR Settlement
February 1, 2018	Fresenius Medical Care North America (FMCNA)	\$3,500,000	<a href="#">Five breaches add up to millions in settlement costs for entity that failed to heed HIPAA's risk analysis and risk management rules</a>
February 13, 2018	Filefax, Inc.	\$100,000	<a href="#">Consequences for HIPAA violations don't stop when a business closes</a>
June 18, 2018	The University of Texas MD Anderson Cancer Center	\$4,348,000	<a href="#">Judge rules in favor of OCR and requires a Texas cancer center to pay \$4.3 million in penalties for HIPAA violations</a>
September 20, 2018	Boston Medical Center (BMC), Brigham and Women's Hospital (BWH), and Massachusetts General Hospital (MGH)	\$999,000	<a href="#">Unauthorized Disclosure of Patients' Protected Health Information During ABC Television Filming Results in Multiple HIPAA Settlements Totaling \$999,000</a>
October 16, 2018	Anthem	\$16,000,000	<a href="#">Anthem Pays OCR \$16 Million in Record HIPAA Settlement Following Largest U.S. Health Data Breach in History</a>
November 26, 2018	Allergy Associates of Hartford, P.C.	\$125,000	<a href="#">Allergy practice pays \$125,000 to settle doctor's disclosure of patient information to a reporter</a>
December 4, 2018	Advanced Care Hospitalists PL (ACH)	\$500,000	<a href="#">Florida contractor physicians' group shares protected health information with unknown vendor without a business associate agreement</a>
December 11, 2018	Pagosa Springs Medical Center (PSMC)	\$111,400	<a href="#">Colorado hospital failed to terminate former employee's access to electronic protected health information</a>
December 12, 2018	Cottage Health	\$3,000,000	<a href="#">Cottage Health Settles Potential Violations of HIPAA Rules for \$3 Million</a>
	<b>2018 TOTAL:</b>	<b>\$28,683,400</b>	

<https://compliance-group.com/hipaa-fines-directory-year/>





## Collection #1 ?

In January 2019, a large collection of credential stuffing lists (combinations of email addresses and passwords used to hijack accounts on other services) was discovered being distributed on a popular hacking forum. The data contained almost 2.7 *billion* records including 773 million unique email addresses alongside passwords those addresses had used on other breached services. Full details on the incident and how to search the breached passwords are provided in the blog post [The 773 Million Record "Collection #1" Data Breach](#).

**Breach date:** 7 January 2019

**Date added to HIBP:** 16 January 2019

**Compromised accounts:** 772,904,991

**Compromised data:** Email addresses, Passwords



## devkitPro

In February 2019, [the devkitPro forum suffered a data breach](#). The phpBB based forum had 1,508 unique email addresses exposed in the breach alongside forum posts, private messages and passwords stored as weak salted hashes. The data breach was self-submitted to HIBP by the forum operator.

**Breach date:** 3 February 2019

**Date added to HIBP:** 11 February 2019

**Compromised accounts:** 1,508

**Compromised data:** Email addresses, Passwords, Private messages



# RESEARCHQUESTION

- [HTTPS://GITHUB.COM/SAMIZDATCO/MS2-2019/BLOB/MASTER/STUDENTS/SUZANNA/QUESTIONS.MD](https://github.com/SAMIZDATCO/MS2-2019/blob/master/STUDENTS/SUZANNA/QUESTIONS.MD)