



Phishing and how to fight it

Rev. Michael Mayo-Moyle

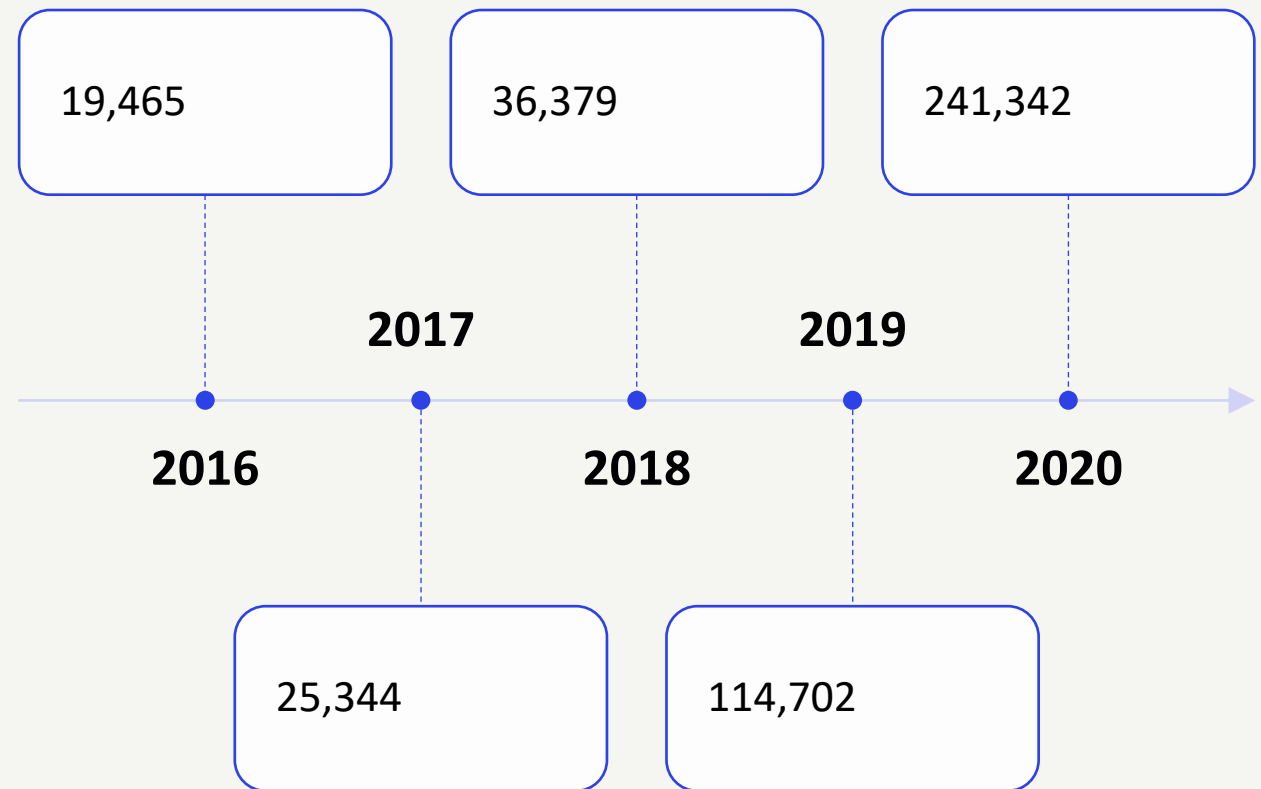
Michigan Conference of The United Methodist Church

Scope of Phishing

\$3.5 billion lost
in 2019

\$4.2 billion lost
in 2020

Scope of Phishing



Structure of a typical attack

Scrape contact information
from web or purchase lists.

Create impersonal email using the
(publically available) name(s) of
directors/leaders.

Use legitimate graphics from the
website to create illusion of
authenticity

Create a sense of secrecy and
urgency to get the victim to
respond quickly

Educating Users

- Do I know this person? Does it make sense that they are trying to contact me?
- Look at the email header, not just the name of the email. Is this message coming from my domain or a service like gmail, yahoo or hotmail?
- Develop and inform everyone around a clear policy for spending requests. Let everyone requests for assistance will never come in the form of an email asking for gift cards or a wire transfer.
- Create a culture of verifying information – when in doubt ASK!

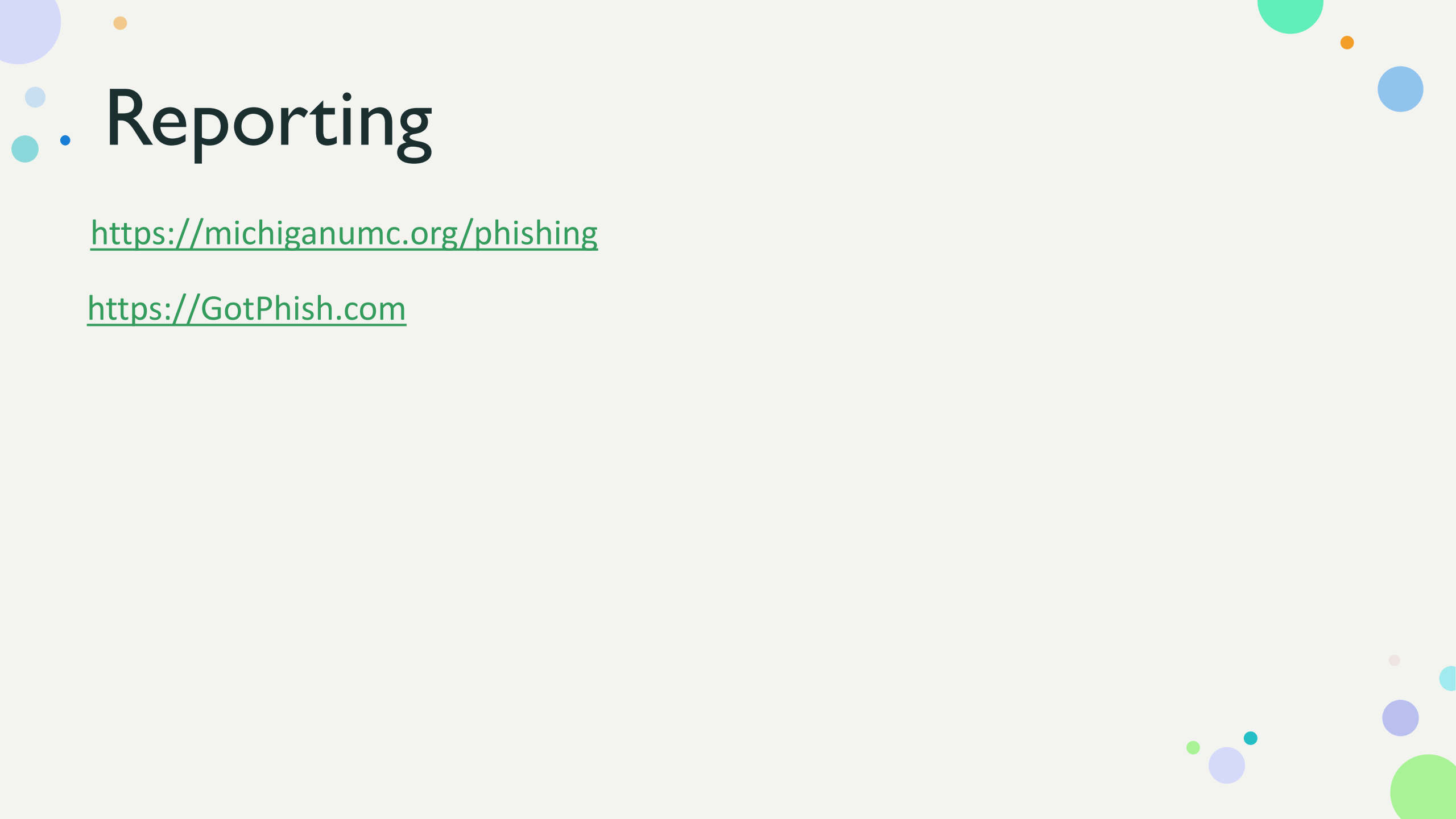
Training Resources

KnowBe4 - <https://www.knowbe4.com/>

The screenshot shows the KnowBe4 website header with navigation links: 855-KnowBe4, Blog, Support, Partners, Request A Demo, and Account Login. Below the header is the KnowBe4 logo and a navigation menu with links for PRODUCTS & SERVICES, FREE TOOLS, PRICING, RESOURCES, ABOUT US, and CONTACT US. The main content area features a Forrester Wave report titled 'THE FORRESTER WAVE™ Security Awareness And Training Solutions, Q1 2020'. The report is a 2x2 matrix with 'Stronger current offering' on the y-axis and 'Stronger strategy' on the x-axis. The quadrants are labeled: Challenges, Contenders, Strong Performers, and Leaders. KnowBe4 is positioned in the Leaders quadrant, along with other companies like Elevance Security, Cylance, and Intuitive. Other companies in the Strong Performers quadrant include Proofpoint, Mimecast, and Watchdog. Companies in the Contenders quadrant include PhishLabs, Medallia, and Colson. The report also includes a 'Market presence' section with icons for various regions.

KnowBe4 Named a **Leader** in The Forrester Wave™: Security Awareness and Training Solutions, Q1 2020

» [Download Your Complimentary Copy of the Report](#)



Reporting

<https://michiganumc.org/phishing>

<https://GotPhish.com>

Defending

Office 365 – Blacklisting emails

Manage blocked senders Clo

Add senders and domains to this list to ensure messages are always marked as spam.

[+ Add senders](#) 14 items ☰ ▼

Sender address
af911@yahoo.com
info@assoreference.org
pp32870309@gmail.com
pp909128000@gmail.com
bishopmichiganum@gmail.com
marthajib5782@gmail.com
churchonline6723@gmail.com

Defending

Google Workspace

The screenshot displays the Google Admin console interface. At the top, there is a blue header with the 'Google Admin' logo and a search bar. A left-hand navigation menu lists various administrative areas, with 'Google Workspace' expanded to show 'Gmail'. The main content area shows the 'Safety' settings for Gmail, specifically for the 'Michigan United Methodist Church' organizational unit. The settings are organized into sections: 'Attachments', 'IMAP view time protections', and 'Links and external images'. Each section includes a status indicator (ON or OFF) and a 'Learn more' link.

Google Admin

Search for users, groups or settings

Apps > Google Workspace > Settings for Gmail > Safety

Showing settings for users in Michigan United Methodist Church

Gmail

Status
ON for everyone

Organizational Unit

Search for organizational units

- Michigan United Methodist Church
 - Disability Concerns

Attachments
Applied at 'Michigan United Methodist Church'

Additional policies to protect against malware in emails. [Learn more](#)
[View affected emails](#) (charts access requires Google Workspace Enterprise Plus edition).

Protect against encrypted attachments from untrusted senders: **ON**
Protect against attachments with scripts from untrusted senders: **ON**
Protect against anomalous attachment types in emails: **OFF**
Apply future recommended settings automatically.: **ON**

IMAP view time protections
Applied at 'Michigan United Methodist Church'

Additional settings to protect IMAP users as they interact with emails. [Learn more](#)
Enable imap link protection: **OFF**

Links and external images
Applied at 'Michigan United Methodist Church'

Additional settings to prevent email phishing due to links and external images. [Learn more](#)
Identify links behind shortened URLs: **ON**

Reducing Attack Surface



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[[RE] P 1971; F 1974] 1973 Birmingham: Embury (assoc); 1974 Flint: Flint Park; Jan 1976 Hemlock, Nelson; 1978 Regional Director, Pacific Northwest Area for Church World Service/CROP; 1980 Southfield: Hope; 1983 Ferndale: First; 1989 Executive Director, United Methodist Foundation of the Detroit Annual Conference; 1990 Troy: First; 1997 Ypsilanti: First; 2000 Detroit: Metropolitan (assoc); 2002 Livonia: Newburg; Sept 1, 2005 leave of absence; **2006 Retired.** <- 586 Riverbank Circle, Zeeland 49464 (616) 239-1500 revtwa@yahoo.com

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[[RE] P 1976; F 1977] Detroit: Westlawn 1976; Detroit: Peoples 1977; Pontiac: St. John's Feb 1981; Detroit: Scott Memorial May 1, 1992; Flint District Superintendent 2001; Pontiac: St. John 2009; **Retired Dec 31, 2009**; Crossroads District Superintendent 4/1-6/30/2012; Flint: Bethel Apr 1-June 20, 2018; Flint: Bethel (interim) 2019-2020; Home: 5424 Sycamore Lane, Flint 48532 (810) 732-6653. A.Allie@comcast.net

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Obfuscation

[Brick River | Our new Email Obfuscator helps stop email harvesting](#)



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Our New Email Obfuscator Helps Stop Email Harvesting

9/26/2019

"97% Of Spam Is The Direct Result Of Posting Email Addresses To Web Pages"

The other day several customers told me their people had received deceptive spam emails.

All these customers had online directories showing people's email addresses.

We Lickety-Split Made An Email Obfuscator "Helper" And Updated All Your "Database-Driven Directories"

Now spam bots won't be able to harvest your directories.

How Our Helper Works

It spits out a human-readable AND clickable email BUT one that is a mishmash of javascript mumbo jumbo for a spam bot.



SMS?

Consider limiting or redacting public-facing cell phone number?

General Best Practices

Multi-Factor Authentication

Duo <https://duo.com/>

Google Authenticator

Microsoft Authenticator

Password Manager

LastPass <https://www.lastpass.com/>

KeePass <https://keepass.info/>

1Password <https://1password.com/>

Updates & Access Controls