# Automating with the Microsoft Power Platform

NATIONAL CAPITAL REGION FIRE & EMERGENCY RESPONSE ANALYSTS SYMPOSIUM

FAIRFAX, VA | MAY 3, 2024

# Agenda

- ▶ What is it?
- ▶ Licensing
- ▶ Examples
    - ▶ from RMS
    - ▶ from Approvals
    - ▶ from Survey123
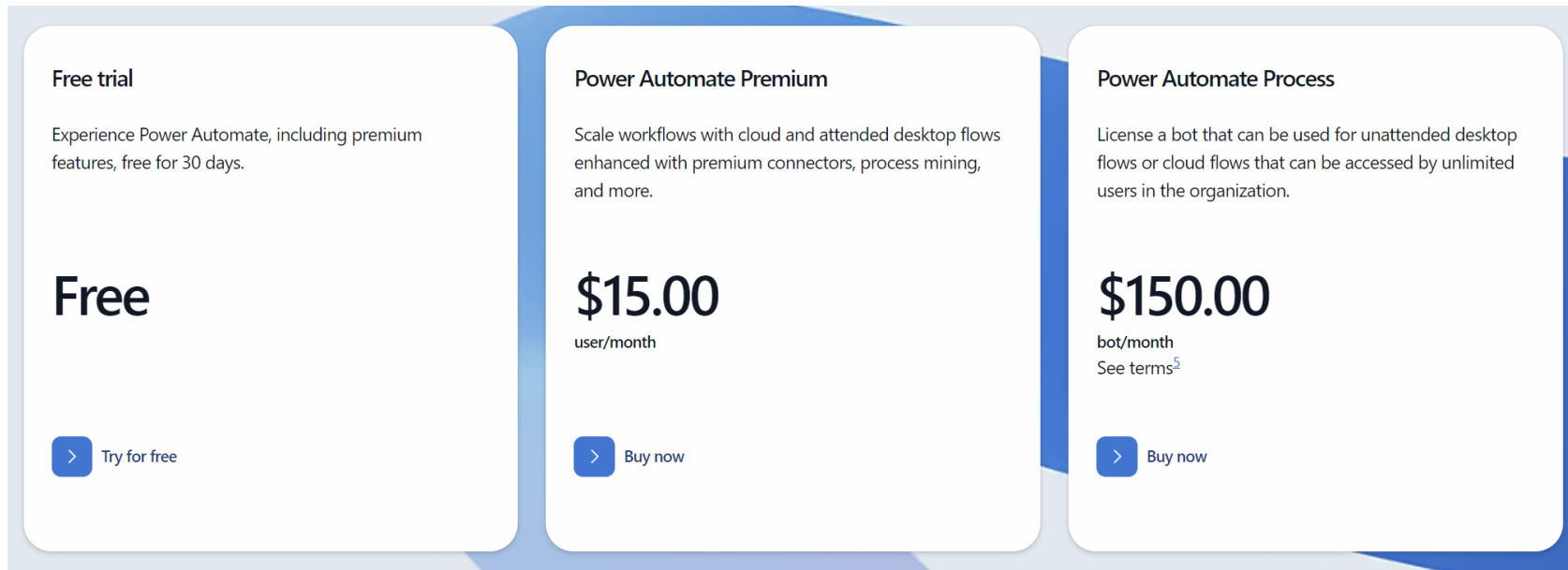    - ▶ from RMS into Lists into Power BI
- ▶ Best Practices

# What is Power Automate?

- ▶ Low-Code cloud automation platform
- ▶ If this thing happens, then do this, and then do this other thing
- ▶ Unites the Microsoft world for you
- ▶ Over 1,000 API connectors
- ▶ Prebuilt templates for rapid deployment

# Licensing

▶ Generally everything with Office365 is free

▶ Many external APIs or Microsoft data sources (Dataverse, SQL Server) require Premium

▶ Premium is $15/user/month

## Free trial

Experience Power Automate, including premium features, free for 30 days.

**Free**

> Try for free

## Power Automate Premium

Scale workflows with cloud and attended desktop flows enhanced with premium connectors, process mining, and more.

**$15.00**

user/month

> Buy now

## Power Automate Process

License a bot that can be used for unattended desktop flows or cloud flows that can be accessed by unlimited users in the organization.

**$150.00**

bot/month
See terms[5]

> Buy now

# Creating a Flow

► Create based on an action

    ► Automated (when something happens)

    ► Instant (webhook, for a file in SharePoint)

    ► Scheduled (every day at this time)
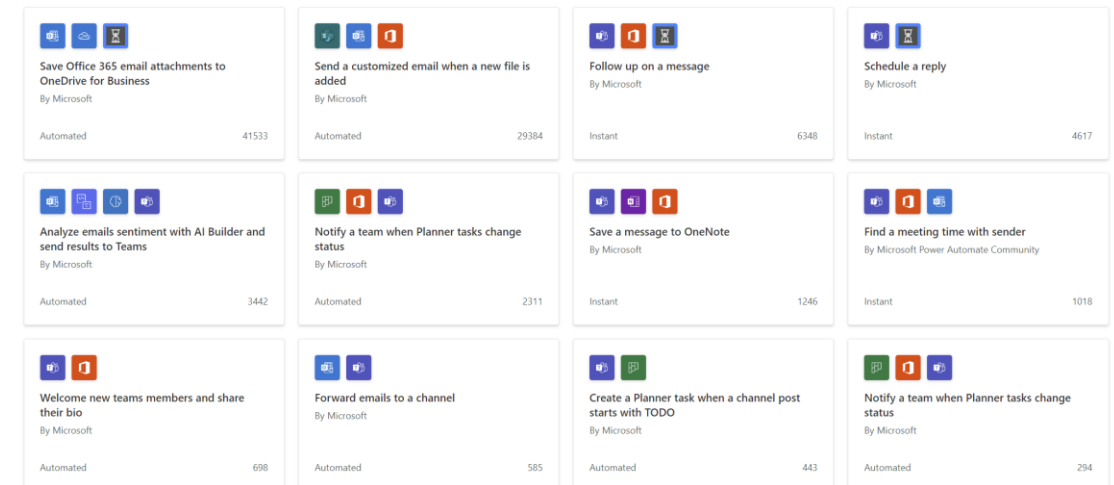
► Pre-built templates
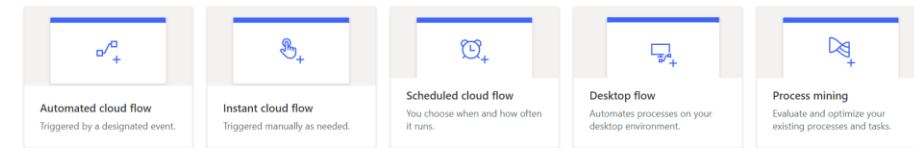
► From a connector

# Examples from RMS – AED, Missing ePCR, EZIO

Good morning,

The ePCR for the following patient indicates AED use prior to EMS arrival or bystander CPR.

**From:** fire.DoNotReply <fire.DoNotReply@fairfaxcounty.gov>
**Sent:** Thursday, November 18, 2021 7:01 AM

**Cc:** Hartman, Stephen C. <Stephen.Hartman@fairfaxcounty.gov>; Morrison, John C <John.Morrison@fairfaxcounty.gov>
**Subject:** ePCR Missing - E213220050 (Beta testing)

Hello,

**_This is a beta test for missing ePCR notifications.  Please provide feedback._**

In a routine audit of missing electronic Patient Care Reports (ePCR), it appears you are missing a report for E213220050 at 3709 SOUTH GEORGE MASON DR while on E431.

Per SOP 01.09.03, an ePCR shall be required for every patient encounter. When an EMS incident results in no patient contact, one ePCR shall be completed documenting the re
When no county transport unit is assigned to the event, the primary county suppression unit on the event shall complete the ePCR.

All incident reports shall be completed prior to the end of the shift or assigned work period.

Thank you.

# Examples from RMS – Elevators

# Power Automate – Elevator Flow



- ✓ Run everyday at 8am
- ✓ Convert the time to EDT
- ✓ Execute a stored procedure to grab elevator calls
- ✓ Parse that data into a readable format
- ✓ Create a variable for the ATIS email address
- ✓ If no elevator calls return, do nothing
- ✓ If one or more elevator calls return, loop over each one and send this email

# Examples From Approvals

▶ Recruit Processing

# Examples From Su



- Medication Accountability
- Fire Code Violations
- APS/CPS/Hoarding Notifications

- Survey123 can call web service
- On submit, Webhook receives data
- Stored Procedure queries CAD/RMS info
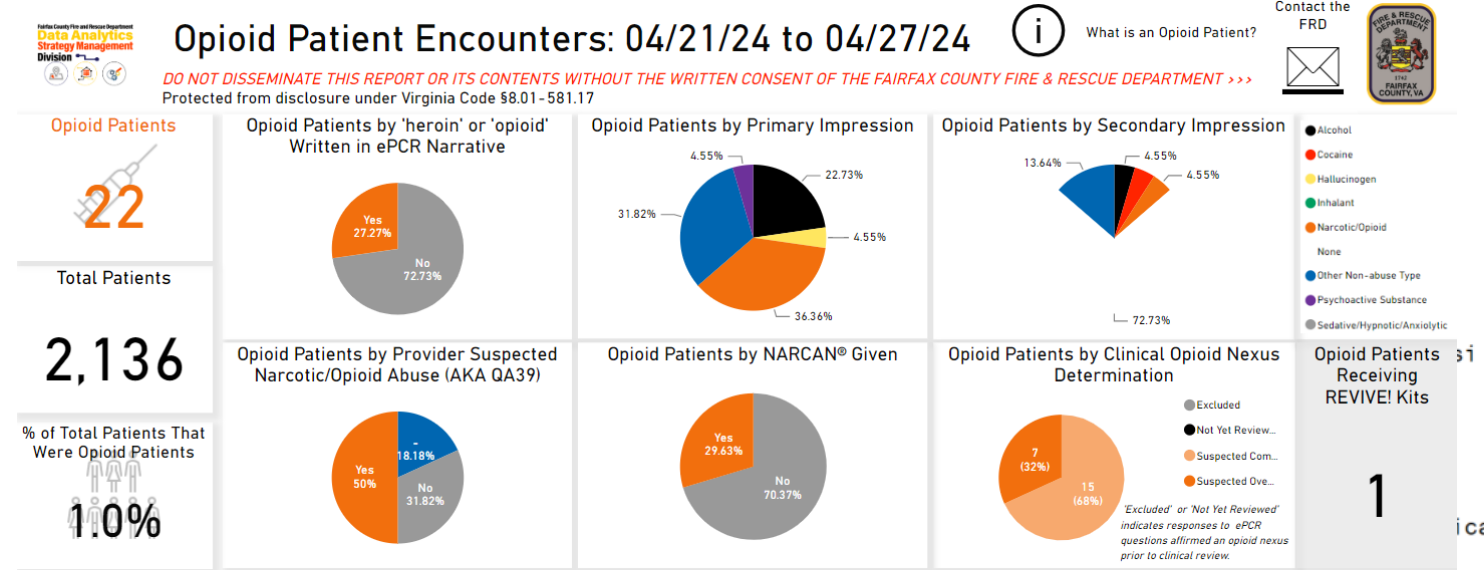- HTTP Post for photos from GIS portal
- Email notifications
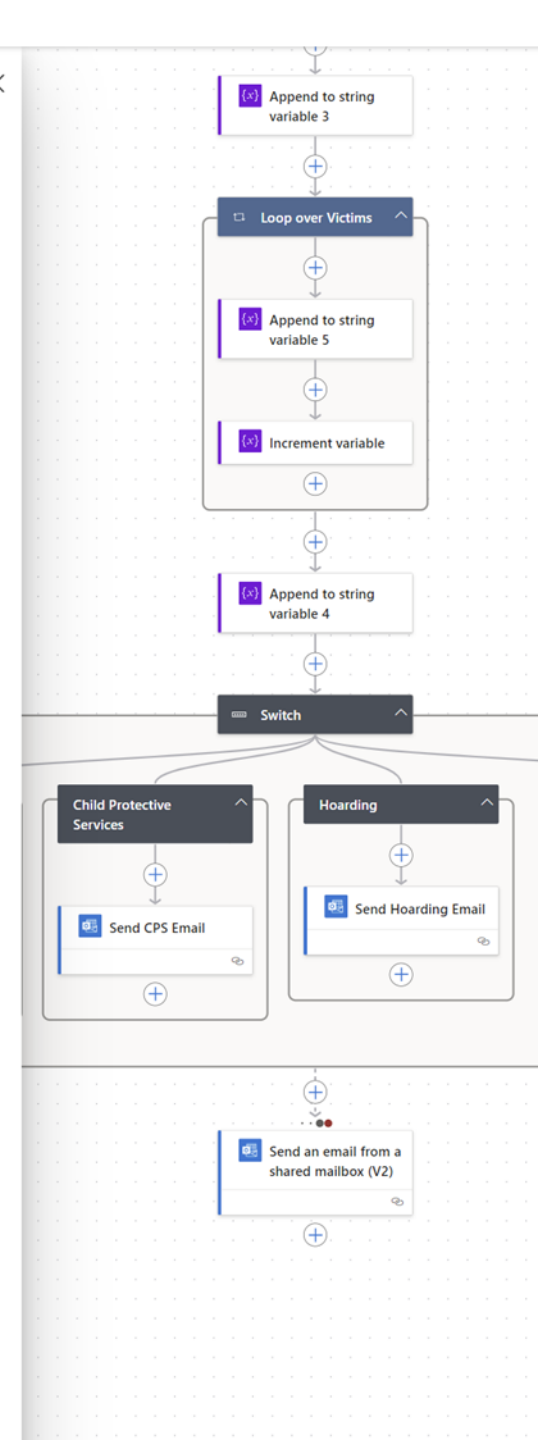
# Examples From RMS into Lists into Power BI

- Opioids
  - RMS: Stored procedure queries for opioid patients
  - Lists: RN confirms involvement and adds contact information
  - RMS: Stored procedure returns updated data to data warehouse
  - Power BI: Displays opioid patient information
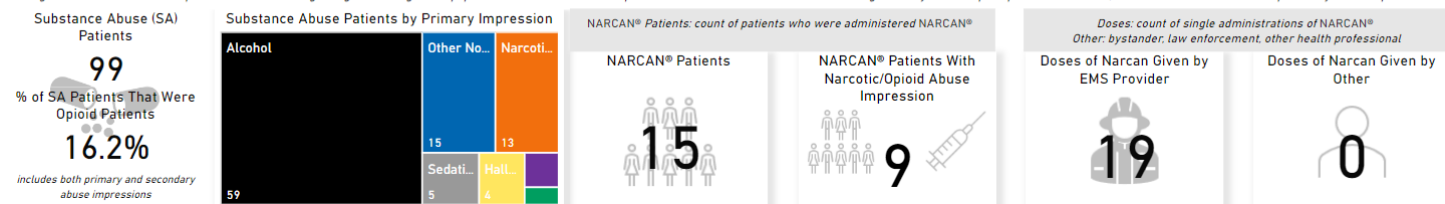
# Best Practices

- ▶ Service Account
- ▶ Solutions
- ▶ Power BI Refreshes
- ▶ Standalone Environment
- ▶ Failure Notifications
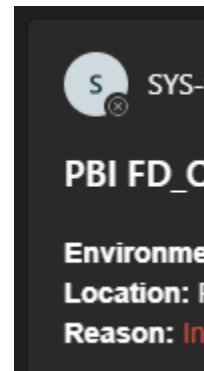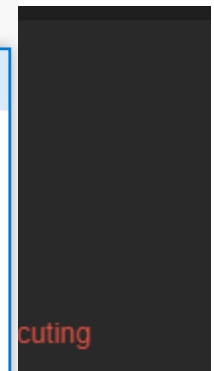
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Questions?