



- When and why to consider RPA?
- What is Robotic Process Automation (RPA)?
- How RPA Can Be Leveraged to Reduce Cost
- Results

The Healthcare Revenue Cycle Process Needs to Become Smarter

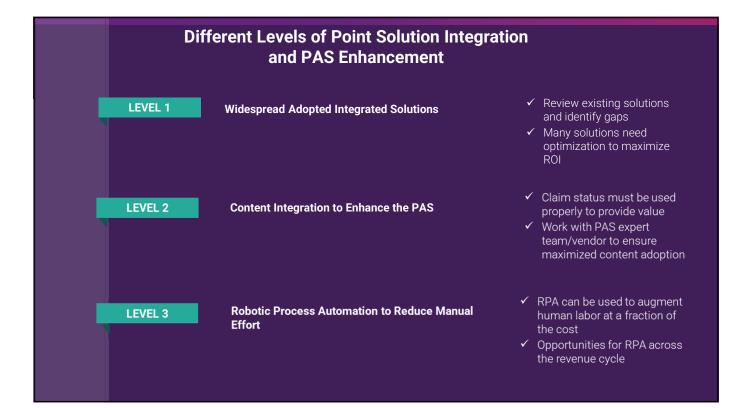
Lower reimbursements and cost are further impacting already thin margins

Human resource intense processes need to be re-evaluated to reduce cost-to-collect.

Hiring is becoming more difficult due to the labor market changes

"Because we have always done it that way" is no longer cost effective.





Robotic Process Automation technically speaking RPA technology is finally where we need it to be

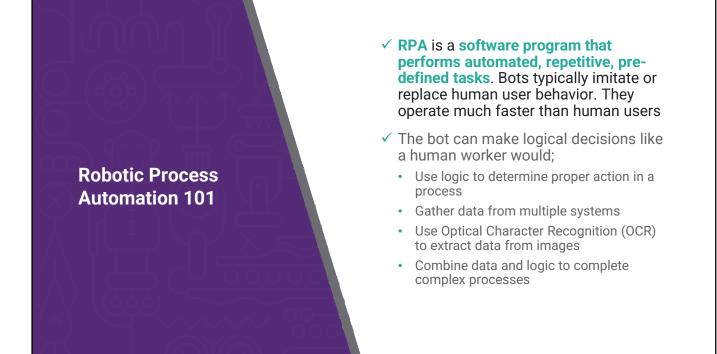


- Simple cash posting
- Early web-scraping

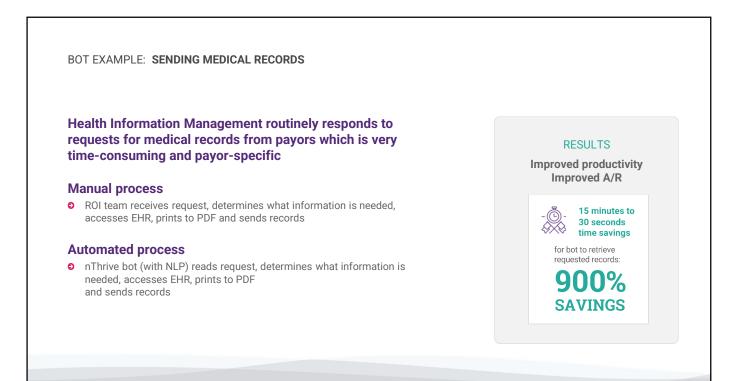
2010s and beyond

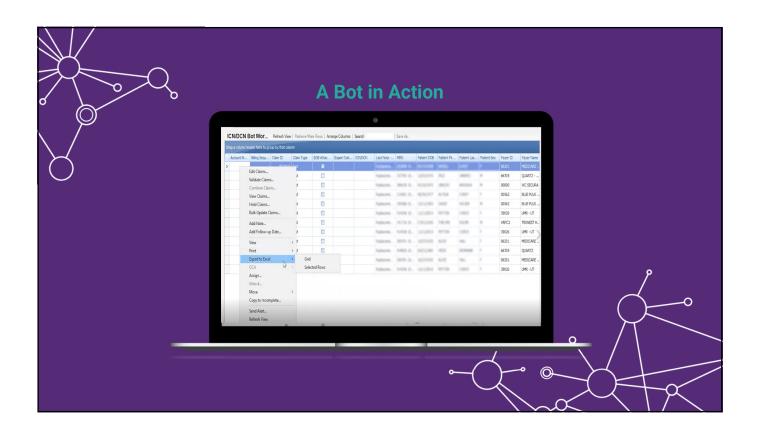
- · More sophisticated solutions
- Interaction directly with objects in the UI
- · Advanced unattended bot orchestration platforms Micro-bot management
- · Leverage AI to enable robust automation

 RPA is a software program that performs automated, repetitive, pre-defined tasks.
 Bots typically imitate or replace human user behavior. They operate much faster than human users The bot performs the task using the same \checkmark interface a human worker would; Clicks, opens, and closes applications • Types, uses keyboard shortcuts **Robotic Process** Uses full mouse functionality Automation 101 Left/Right click • Multi-select, click and drag Logs into payor websites Bots have their own credentials And more









RPA Can Automate Across the Revenue Cycle Eligibility research and ✓ Pre-bill document Clearinghouse remit file validation submission/fax retrieval ✓ Medicare MBI lookup ✓ Working patient accounting ✓ Work patient account system denial queues* or billing claim edit work Medicaid # lookup queues ✓ Work denials requesting Coverage discovery ✓ Missing ICN/DCN claim medical records Auth submission/tracking edit resolution Medicaid remit data extraction ✓ Notice of admission ✓ Secondary claim COB billing ✓ False Variance correction due edit resolution ✓ Pre-bill charge write-offs to incorrect plan code ✓ Late charge validation pre-bill Work patient accounting pre- Credit backlog cleanup bill work queues* ✓ Work claim rejection work ✓ Cash/Adjustment posting queues in billing system or Loading fee schedules issue resolution patient accounting system* Charge reconciliation to ✓ Notes Posting ✓ Workers Comp medical dept systems records submission to Jopari

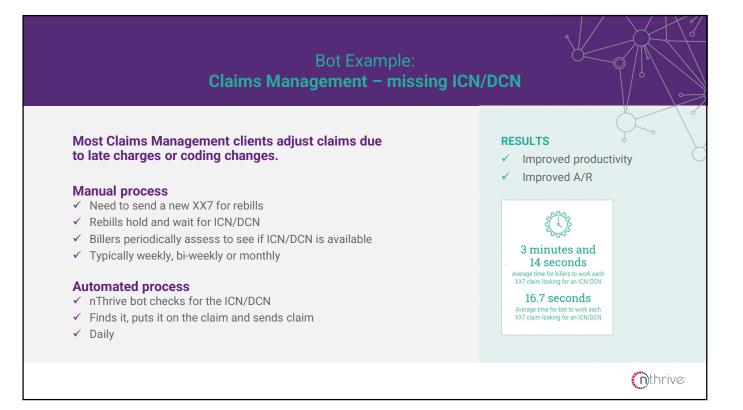
* Patient accounting system work queues could be for any system: Epic, Cerner, Meditech, CPSI, NextGen, Athena, etc.

How do we leverage RPA technology?

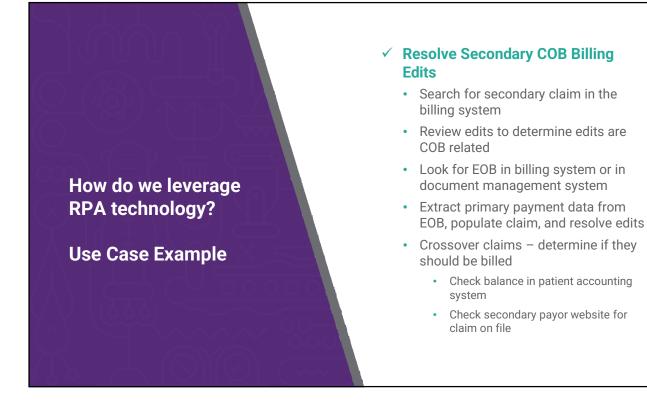
Use Case Example

✓ Working a Claim Follow-up Queue

- Log into patient accounting system
- Open follow-up work queue
- Select first account and capture patient and claim data
- Log into payor website and search for status of claim
- If claim is paid: capture payment data and log check data on account and reassign account to appropriate person
- If claim is pending: post comment on account and set follow-up date for 14 days (up to 3 times) before sending to collector
- If claim is denied: post comment with denial info and assign account to denial analyst
- If claim is not on file: post comment and assign account to biller



Resolve and post unposted remit batches in the patient accounting system • Open remit batch in PAS, open remit reports Identify and post PLB adjustments Review secondary EOBs that might cause credits How do we leverage · Compare adjustments, payments, **RPA technology?** patient liability to balance Remove adjustments that would create • credit **Use Case Example** Resolve remaining account balances when Medicaid is paying as secondary • Ensure account plan matches plan being posted Generate claims that do not exist Post batch







Organizational Objectives

- Automate lengthy manual processes
- · Eliminate inconsistencies across team members
- · Address issues with staffing limitations and inability to backfill positions
- Reduce mundane tasks for team members to increase team happiness
- · Reduce new hire orientation and training costs
- · Ensure there would not be any unintended consequences

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Discoveries Along the Way

- It really CAN do the job in far more scenarios than we thought.
- Mapping out manual processes identified inconsistencies and created standardizations
- Staff skeptical at first but 'all-in' once they were confident in the automation
 - · Bot recordings helped get staff on board
- We can have control over the process, no worries about a Robot Apocalypse
- Processes automations are fluid and will evolve over time as business changes

Deployed Bots

Cash Posting Bot

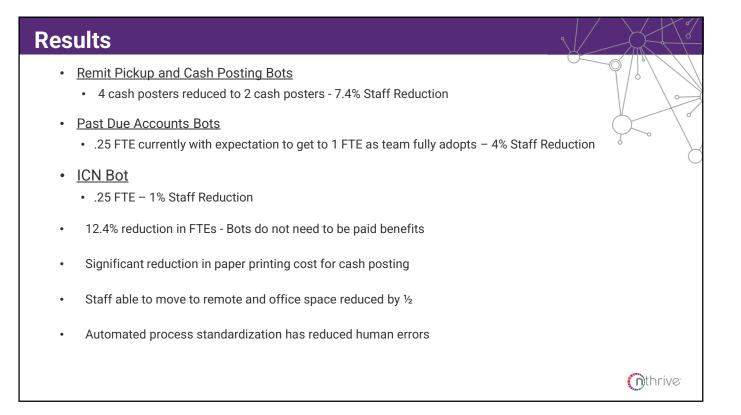
- Works open remit queue in Cerner to post remits for ~30 payers
- Post PLB interest payments
- Review secondary payments/adjustments and remaining balance to ensure secondary adjustments are properly handled
- Validate and correct health plans for payment/adjustment posting

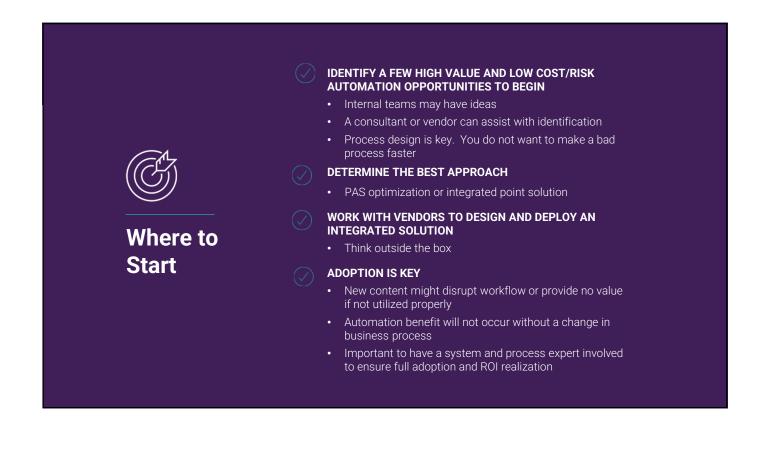
Rebill ICN Bot

- Works in nThrive Claims Management
- Searches for original claim EOBs to capture original claim ICNs needed for rebilled claim
- Populates the original ICN onto the rebill claim to
 resolve claim edits and completes claim for billing
- Allowed for review of late charge process to reduce
 effort

Past Due Account Bots

- Work initial claim follow-up work queue in Cerner for 7
 payers
- Go to payer website and check claim status
- Paid: notate check info on account and reassign account to cash poster for review of missed/lost payments
- Pending: post comment on account and set follow-up date for 14 days (up to 3 times) before sending to insurance specialist
- Denied: post comment with denial info and assign account to denial analyst
- Not on file: post comment and assign account to biller
- Remit Pickup Bot
 - Picks up 835s and paper remits from payer websites and nThrive Claims Management and places them in network folders
 - High staff satisfaction due to elimination of mundane tasks





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From Patient-to-Payment," nThrive empowers health care for every one in every community.*

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