



VistA Application Analytics

*Real-world clinical workflow analysis
of Vista's point of care applications*

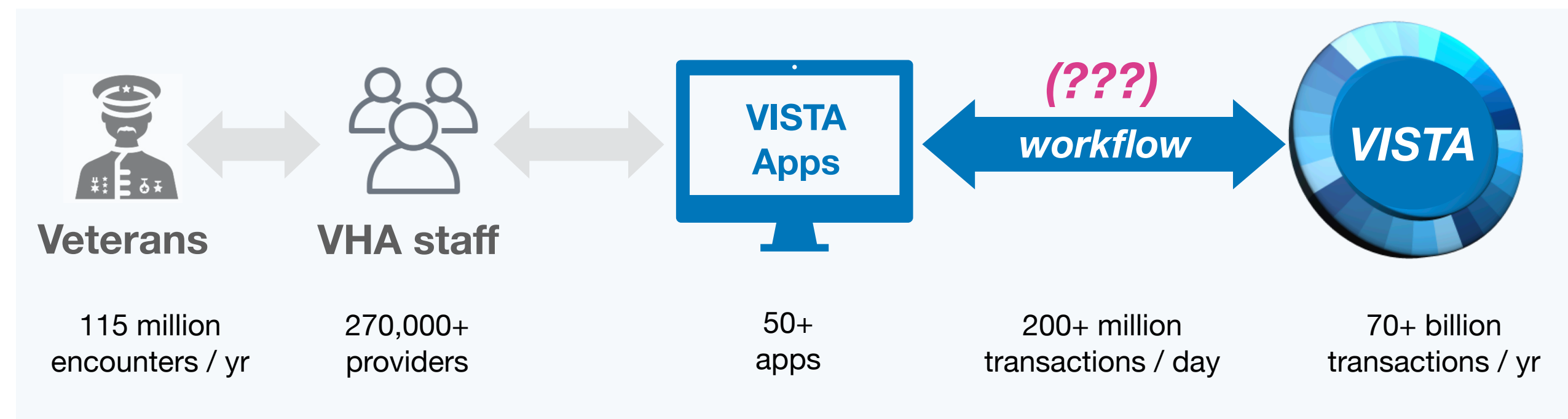
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Summary

Background	<p><i>Veteran care is provided using VistA’s Applications (CPRS, Imaging, and others). In FY22, VHA provided over 115 million veteran care encounters using VISTA point of care applications. The workflow of all of this care remains, however, unmeasured and unknown.</i></p> <p><i>In June 2024, VA completed the four-year migration of all VistA systems to the VA Enterprise Cloud (VAEC), a federally-certified commercial cloud managed by Amazon Web Services (AWS). In its new cloud platform, VISTA can access and leverage a wide range of new commercial cloud-based capabilities.</i></p>
Objective	<p><i>Leverage the AWS cloud capability to capture and analyze all end-user traffic flows between cloud-based VISTA and all of VISTA’s point of care applications. This ability to capture and analyze clinical workflows is analogous to the EHRM “Lights on Network.”</i></p>
Clinical Focus	<p><i>A first-ever capability to provide real-world clinical workflow analytics, and provide a data-driven approach for improvement and standardization of clinical workflow</i></p>
Benefits	<p><i>Enterprise Standardization of clinical workflow</i></p> <p><i>Clinical workflow optimization and efficiency</i></p> <p><i>Data-driven approach for clinical workflow improvement</i></p>
Support	<p><i>CIDMO / FY24-25</i></p>

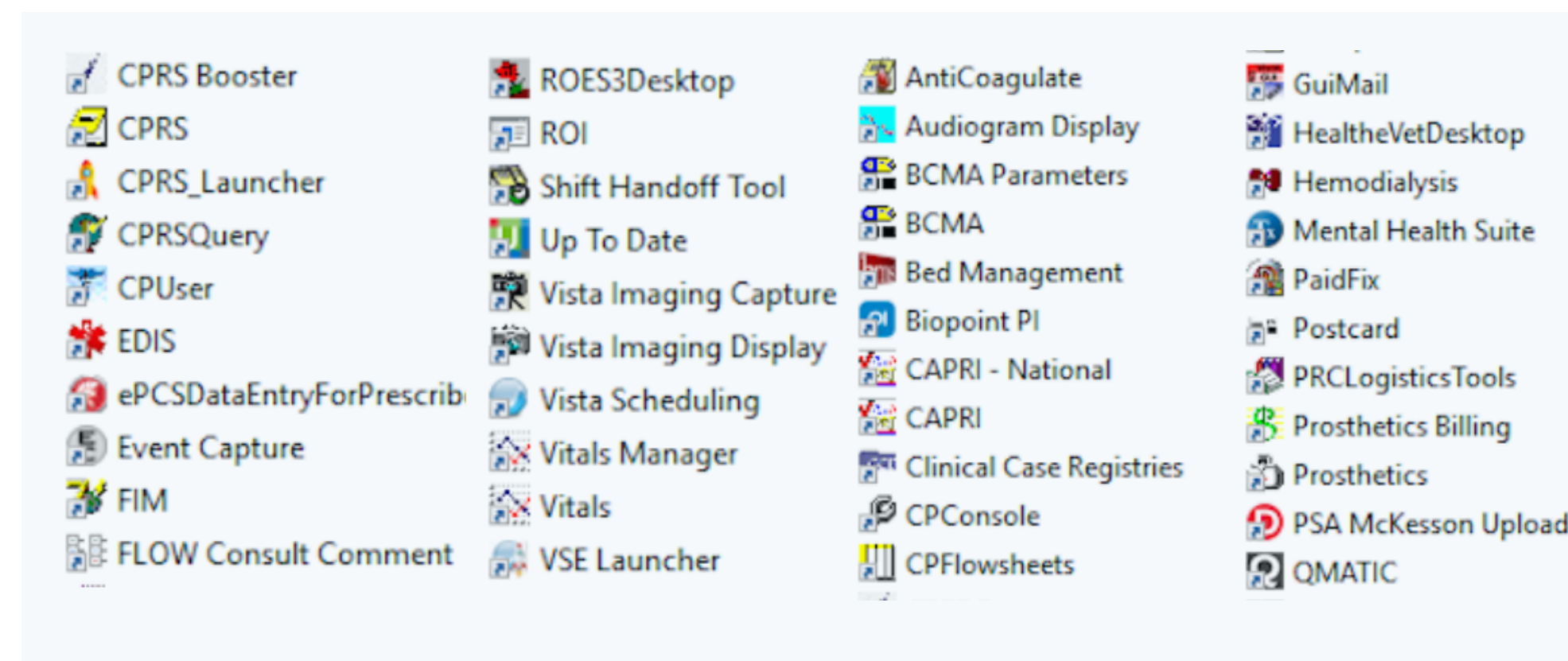
VHA Clinical Workflow Overview

VHA staff provide veteran care using a suite of VistA Applications (“VistA Apps”) including CPRS, Imaging, and over fifty others. Each day in VA, over 270,000 staff at 1250 facilities use VistA Apps to create, store, and process over 4 million new documents, images, lab, pharmacy orders in VISTA. In FY22, VHA provided over 115 million veteran care encounters using VistA Apps.



VISTA Database

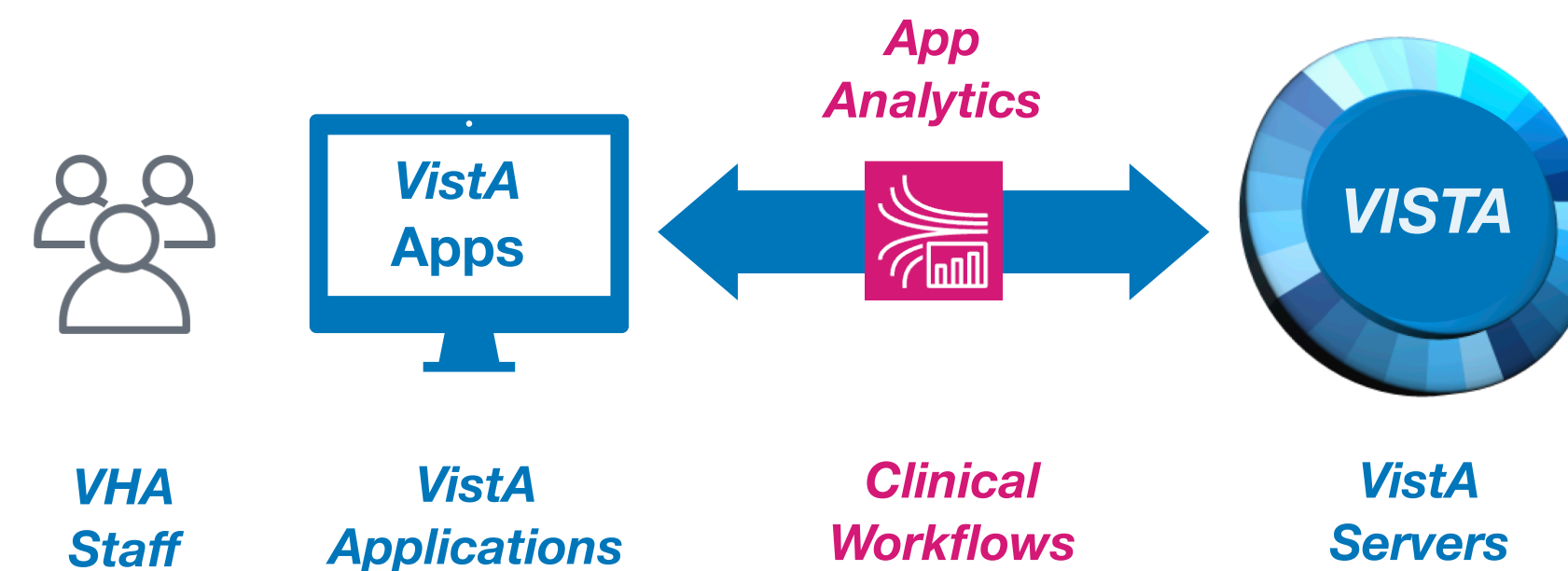
- Contains 500 million veteran-years of cumulative data and knowledge
- Adds 4 million new documents, lab, imaging, and pharmacy orders each day
- Supports over 200 million transactions each day, all with six sigma reliability.



VISTA Apps

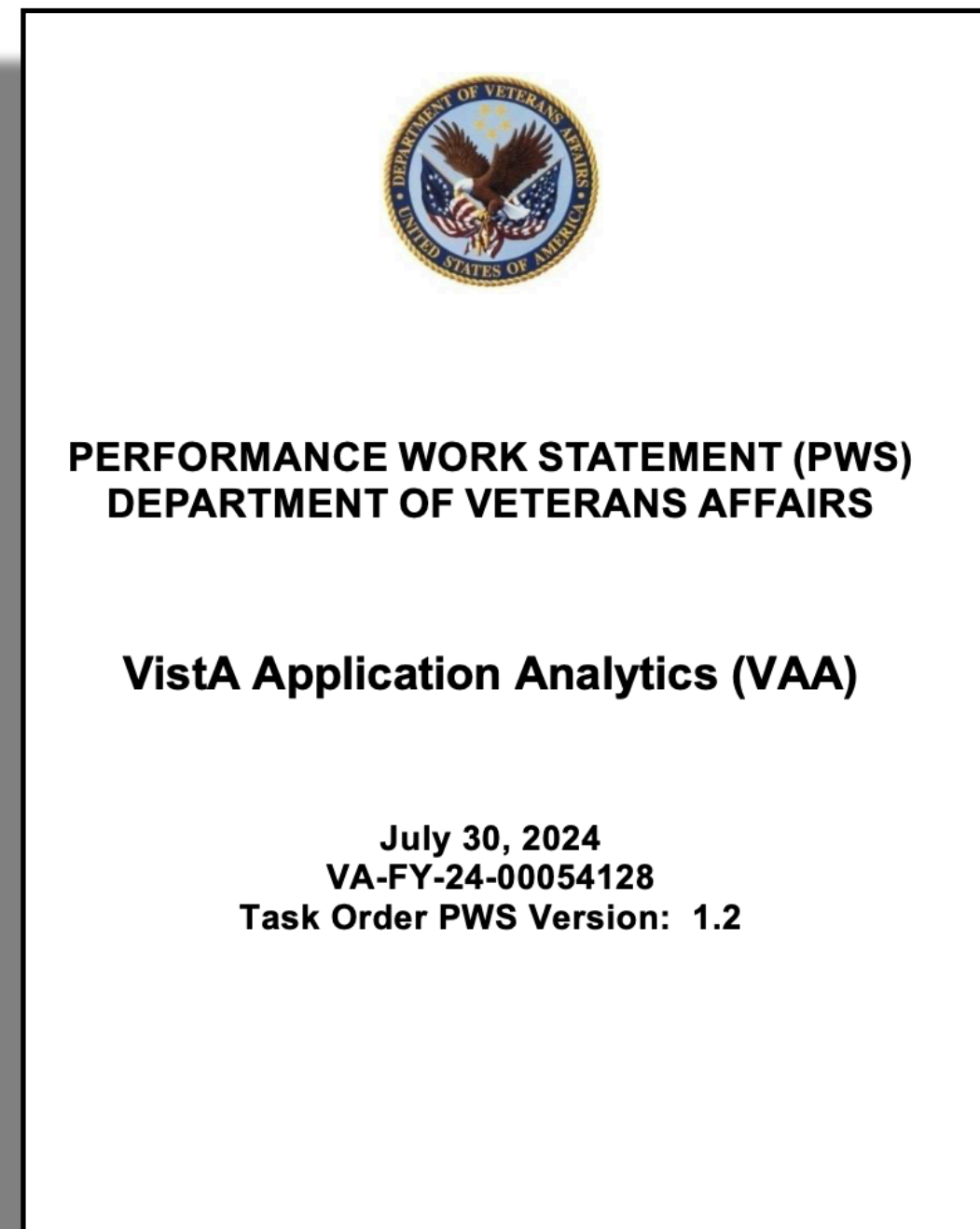
- VISTA Apps are a suite of 50+ Windows desktop applications installed on 400,000 computers across all VAMCs
- VISTA Apps use the VISTA database for all transactions and storage
- VISTA Apps include CPRS, Vista Imaging, and BCMA
- **???: The workflows of VistA Apps are currently unmonitored and unknown**

VistA App Analytics Overview



VistA Application Analytics provides comprehensive monitoring and analytics of all users and usage of VistA's point of care applications (CPRS and others), enabling data-driven improvement to the workflows and efficiency of all VHA clinical staff.

VistA App Analytics Status



- VHA Digital Health Office funded: 9/30/23
- PWS contract awarded: 9/5/24
- Project kickoff: 9/15/24