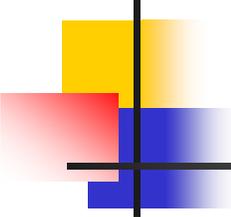


# Update on the Department of Health Professions Security Breach

---

Presentation to  
House Appropriations Committee  
Marilyn Tavenner  
Secretary, Health and Human Resources  
May 12, 2009

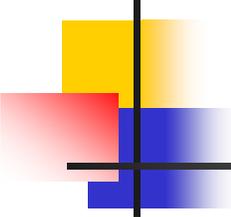


# VIRGINIA PRESCRIPTION MONITORING PROGRAM

---

## Background

- Prescription Monitoring Programs (PMPs) are systems in which controlled prescription drug data are collected in a database that is managed by an authorized state agency
- PMPs promote the appropriate use of controlled substances for legitimate medical purposes, while deterring their misuse, abuse, and diversion
- As of October 2008, 38 states had enacted legislation permitting PMPs or had operational PMPs.
- In Virginia, access to the PMP is limited to:
  - Prescribers (physicians, nurse practitioners, dentists, etc.) and pharmacists (upon providing notification of the patient and for their specific patient)
  - Certain authorized law enforcement and regulatory personnel (with an open investigation required)
  - Patients over the age of eighteen (only their own information)
- Aggregate data is available for research and education purposes.



# DRUGS COVERED

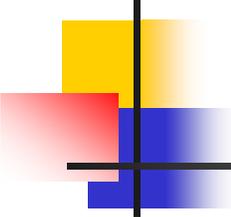
---

## **Schedule II through IV drugs reported to PMP:**

- Schedule II drugs include oxycodone, methadone, morphine, Ritalin
- Schedule III drugs include hydrocodone, Vicodin, testosterone, Tylenol with Codeine
- Schedule IV drugs include Valium, Xanax, Darvocet-N100, Ambien

## **Other Drugs not reported to PMP:**

- Schedule V drugs: include Lomotil, Robitussin with Codeine, and Parepectolin
- Other prescription drugs such as antibiotics, antihypertensives, cardiac, antidepressants, Viagra, Cialis, and birth control pills
- No over-the-counter drugs are reported to PMP



# WHAT DATA IS COLLECTED?

---

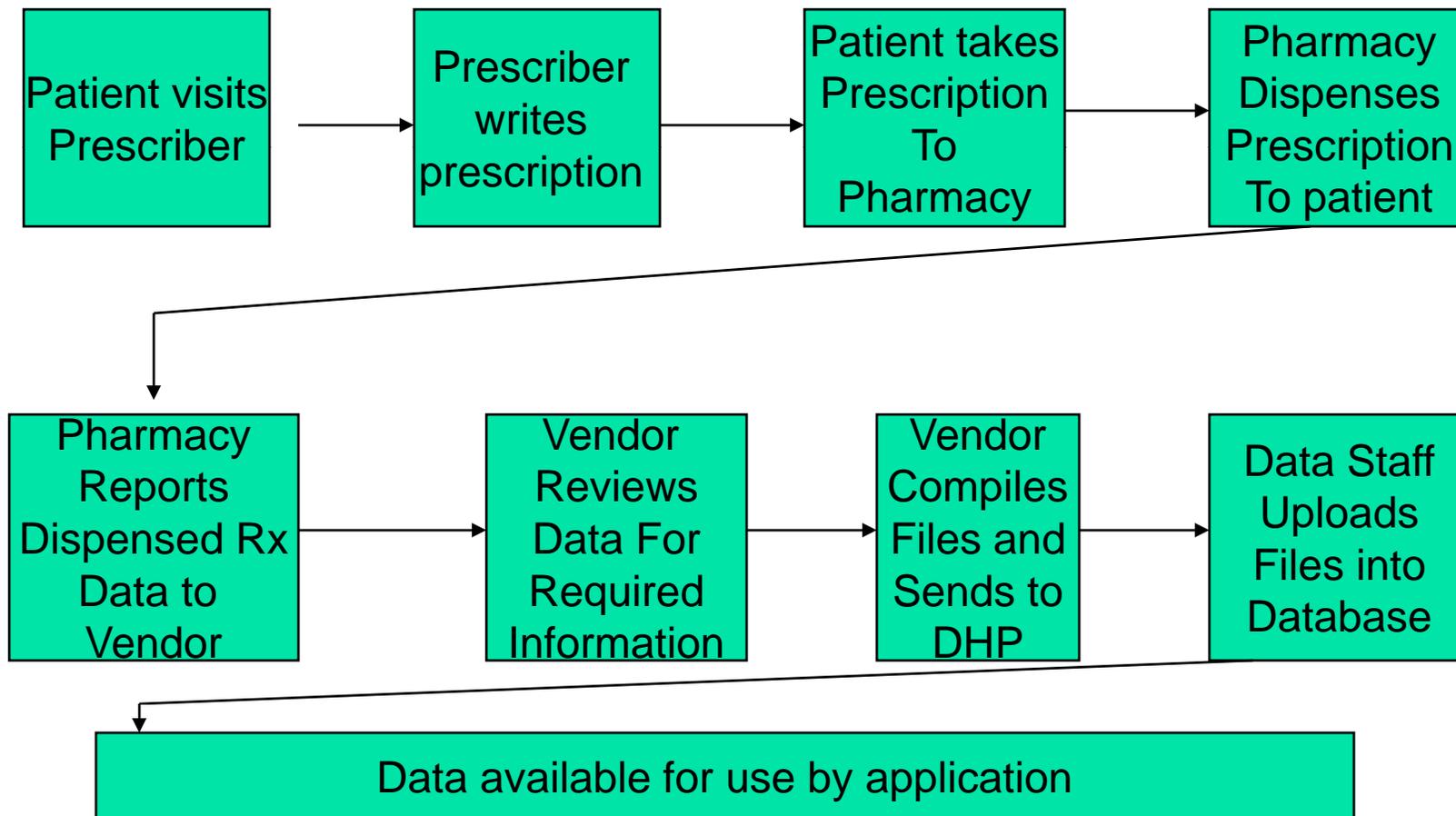
## Required data elements:

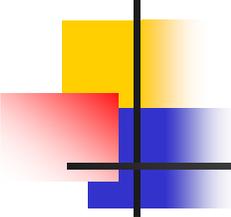
- Recipient's name and address
- Recipient's date of birth
- Covered substance dispensed to the recipient
- Quantity of the covered substance that was dispensed
- Date of the dispensing
- Prescriber's identifier number
- Dispenser's identifier number
- Prescription number

## Optional data elements:

- Dispenser's customer identification number, which in limited instances may be a social security number
- Number of refills authorized by the prescriber
- Number days supply

# HOW DOES PMP GET THE DATA?

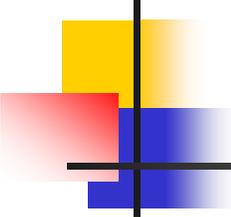




# TIMELINE OF EVENTS

---

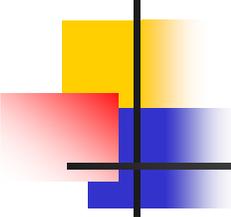
- On April 30, 2009 DHP recognized an unauthorized message posted on the PMP website
- DHP immediately shut down all computer systems to protect the security of its data
- State authorities including VITA and law enforcement were notified
- At the time of system shut-down, all DHP data had been properly backed up
- Back up files had been properly secured



# CURRENT SITUATION

---

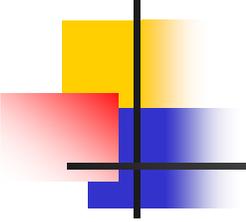
- DHP continues to work very closely and cooperatively with federal and state law enforcement, VITA, and Northrop Grumman to resolve the situation
- Agency applications are gradually being restored as security analyses are completed
- Information is available and updated through the redirected DHP website
- Licensing information available through the website was last updated April 30, 2009, until online services are restored
- Any employer or licensee seeking verification of licensure status may call the Board directly
- Online licensure renewals are anticipated to be available this week.



# CURRENT SITUATION, Contd

---

- Ongoing forensics investigation being conducted by VITA Commonwealth Security & Northrop Grumman with support from DHP, and in coordination with law enforcement.
- DHP issued statement on potential breach and a Q&A document on May 6, 2009
- Information regarding steps citizens may take to safeguard against identity theft has been posted on DHP's website.
- Additional information will be provided to pharmacies as a next step in the notification process



# INFRASTRUCTURE TRANSFORMATION

---

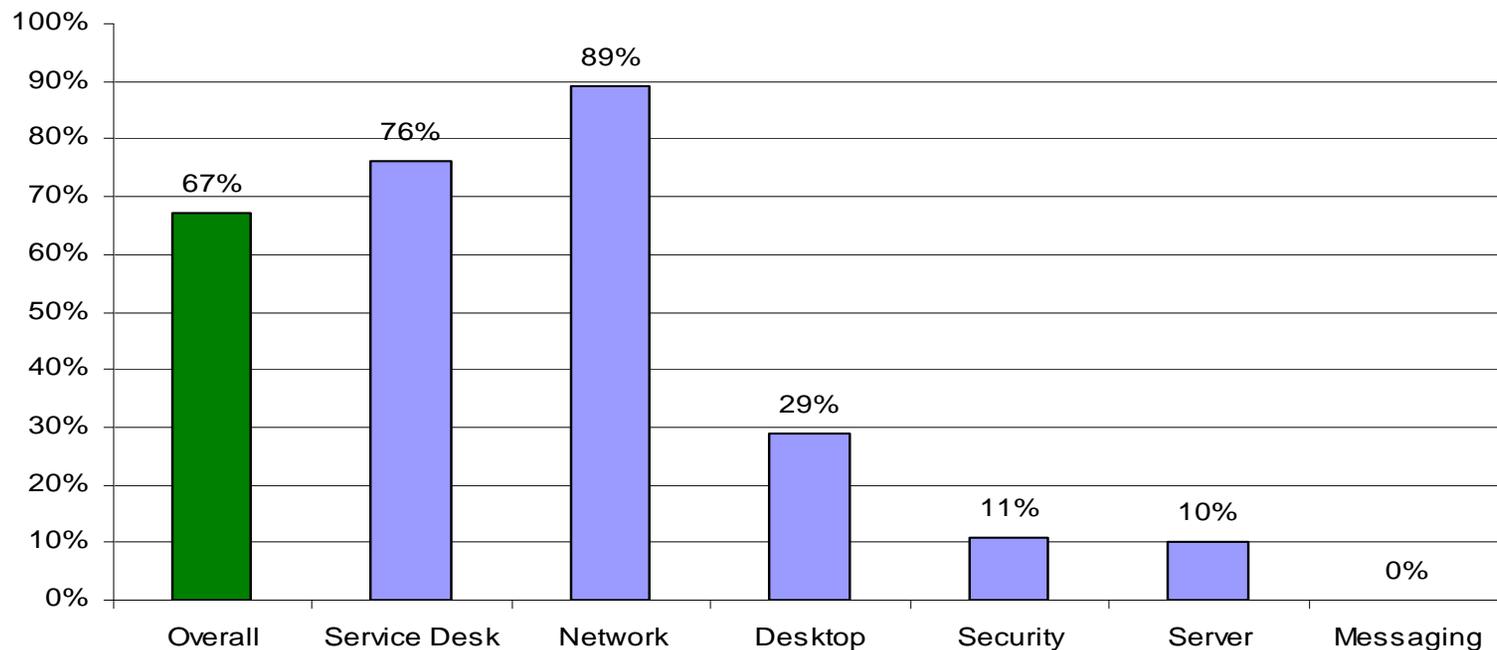
Transformation is a statewide effort to consolidate and modernize IT infrastructure (computers, data centers, servers, etc.)

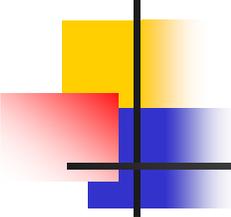
DHP is working with VITA to finish infrastructure transformation

# DHP INFRASTRUCTURE TRANSFORMATION, Contd

## Infrastructure Transformation Status

Source: VITA/Northrop Grumman Agency Dashboard (May 1, 2009)





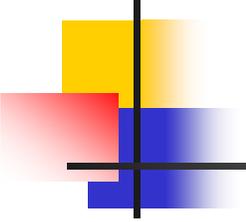
# DHP INFRASTRUCTURE TRANSFORMATION, Contd

---

- DHP is working with VITA to finish infrastructure transformation
- Why not start with security and server transformation?
  - Other pieces have to be in place first (dependencies)
    - Network
    - Desktop
- When will DHP infrastructure transformation be complete?
  - Projected completion date was August 2009
  - Technical resources focused on incident response/recovery; schedule to be confirmed



# How will transformation affect security?



---

Infrastructure transformation significantly improves information security

Dedicated, certified security professionals and a statewide operations center provide:

- Stronger defenses
  - Multiple layers of security and controls
  - Constant monitoring and updates
  - Tools to prevent attacks and find vulnerabilities
- Better responses when (not if) incidents occur
  - Tools to detect intrusions and quarantine problems
  - Forensic investigation and collaboration with authorities
  - Service recovery