



Do Not Pay- More Than Just Adjudication

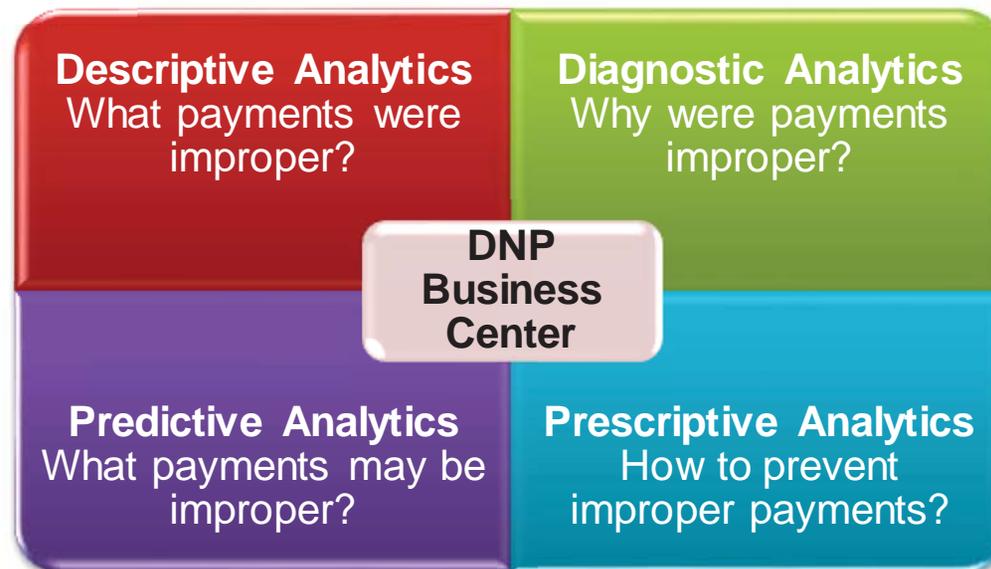
25th Annual Government
Financial Management Conference

Brendan Griffiths
Derek Pachla
Amber Jansen
August 19, 2015

Do Not Pay Business Center



A **multi-functional analytics tool**
and **one-stop data shop**
built to help federal agencies
detect and prevent **improper payments**



DNP Goals

- Provide timely, accurate information that can be acted upon to aid in Agency verification processes.
- Provide clear and understandable information regarding the root cause and impact of improper payments to federally funded agency programs.
- Equip agencies with the tools and analytics for informed decision making about potential fraud, waste and abuse.

Data Sources Currently Available

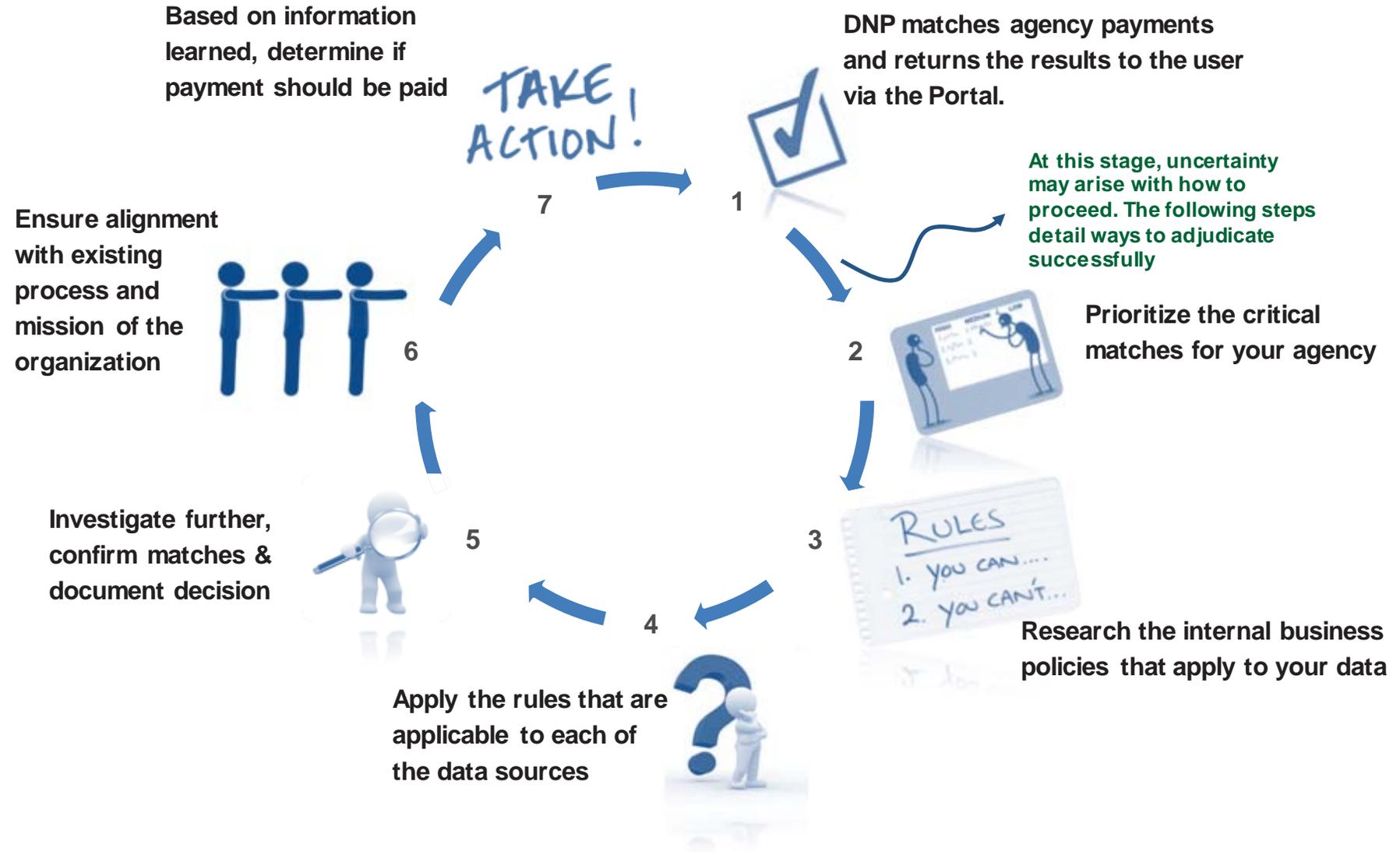
- **Credit Alert Verification Reporting System (CAIVRS) Restricted [SBA & VA]**
 - Verify whether an individual is a delinquent federal borrower
- **Death Master File (DMF) Public [SSA]**
 - Verify whether an individual receiving payments is deceased
- **List of Excluded Individuals & Entities (LEIE) Public & Restricted [HHS]**
 - Verify whether payments are to entities excluded from participating in federal health care programs
- **Office of Foreign Assets Control (OFAC) Public [Treasury]**
 - Verify whether an individual or entity is prohibited from entering into financial transactions with U.S. financial institutions and the U.S. government
- **System for Award Management (SAM) Entity Registration Records, Restricted [GSA]**
 - Verify that a vendor seeking to do business with the federal government has registered, in accordance with the Federal Acquisitions Regulation (FAR)
- **SAM Exclusion Records Public & Restricted [GSA]**
 - Verify whether payments are to debarred individuals
- **Treasury Offset Program (TOP) Debt Check, Restricted [Treasury]**
 - Identify vendors that owe federal non-tax debt and ensure vendors that owe debts are paid via the Treasury Offset process

What Does Adjudication Mean?

Within the Do Not Pay Portal, adjudication is the process by which agencies review the results of matches received and subsequently, determine whether a payment is proper or improper.



Agency Adjudication Process



DNP Analytics Services

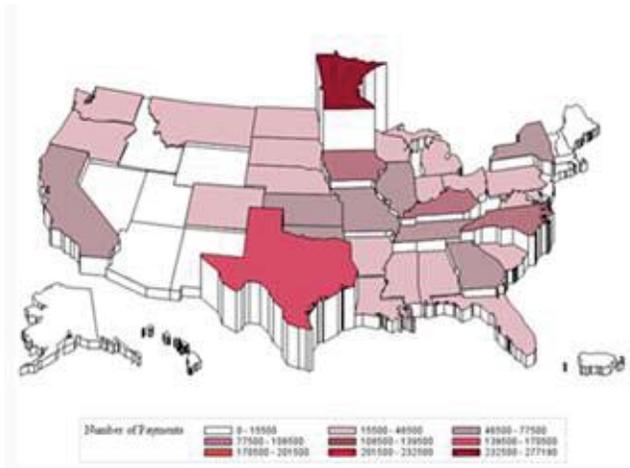
Capability	Output	2014	2015	2016	2017
Agency Payment Matching	Matches of payments data with multiple data sources (including the application of program-specific business rules) to identify patterns, linkages, impropriety, and suspect data/payments	✓	✓	✓	✓
Basic Eligibility	Comparisons of recipients/payees to entities included in a single data source (before award /payment or to monitor award/payment)	✓	✓	✓	✓
Complex/Contingent Eligibility	Comparisons recipients/payees to entities included on multiple data sources (before award /payment or to monitor award/payment)	✓	✓	✓	✓
Anomaly Detection	Reports describing payee or payment characteristics outside of normal (e.g., multiple payments to the same person or account; payment size significantly varies for similar payments)	✓	✓	✓	✓
Descriptive modeling	Smaller insights regarding payments and their attributes created from condensing “big data”	✓	✓	✓	✓
Probabilistic Risk Assessment	Risk scores created from the combined evaluation of eligibility and anomaly analysis			✓	✓
Predictive modeling	Models created to best predict the probability of payment impropriety			✓	✓
Advanced data matching algorithms	Improved data matching via use of data standardization, predictive, deterministic, and probabilistic record linkage methods			✓	✓
Prescriptive modeling	Recommended courses of action (e.g., stop payments, data correction) showing the likely outcome of each decision created using descriptive and predictive models				✓

Agency Insight Report (AIR)

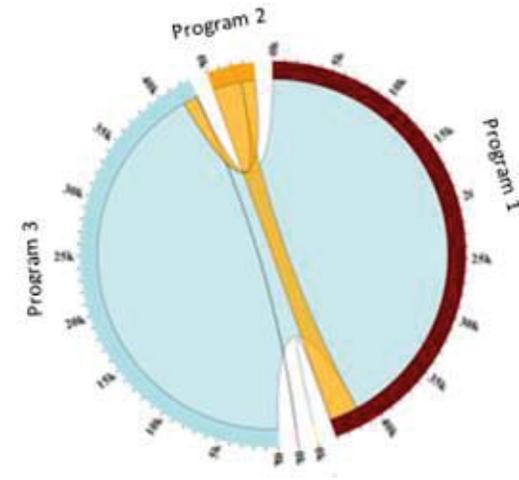
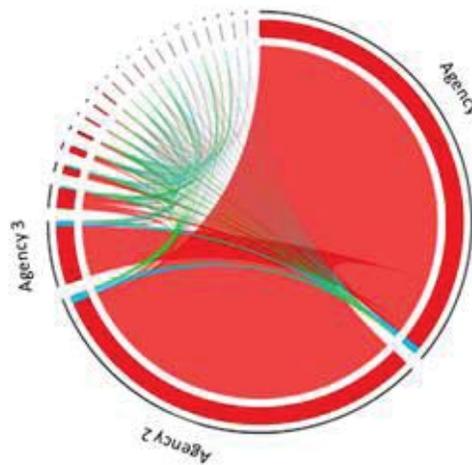
- Report capturing key insights and findings from exploratory data analytics, which includes, but not limited to:
 - Data quality assessments
 - Data pattern analysis and profiling
 - Advanced matching
 - Anomaly detection and analysis
 - Potential business/stop payment rule identification
- Analytics focus project to assist in identifying potential in-depth analytics projects that could be of assistance to the agencies
 - Two to three month turn around
 - Available upon request

AIR Data Visualizations

Payment Calendar and Heatmaps

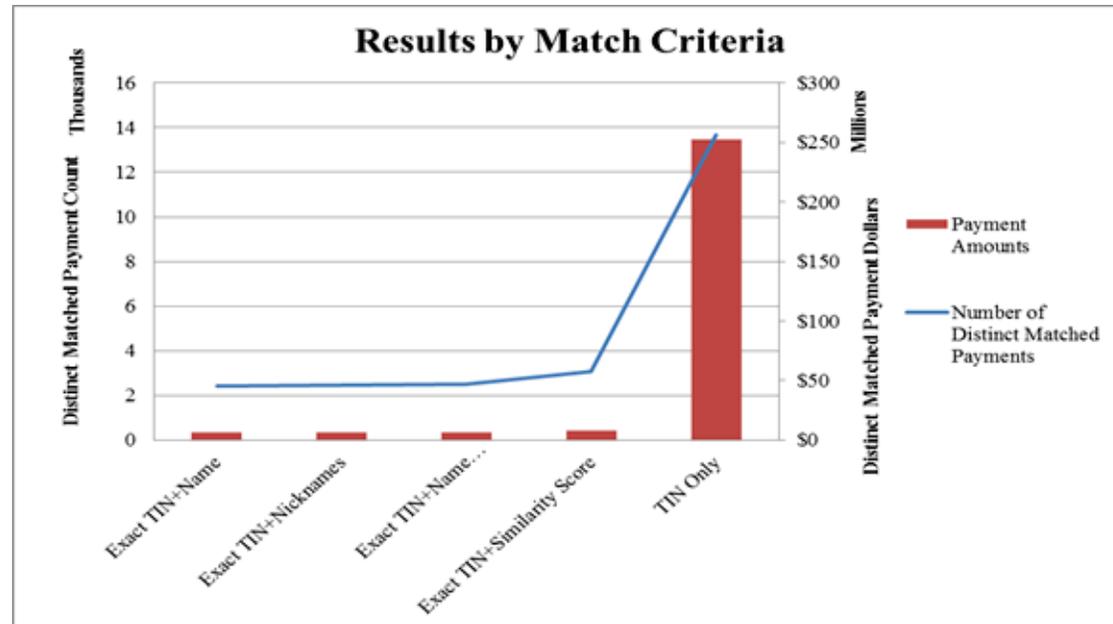


Circos Graphs



AIR Data Visualizations

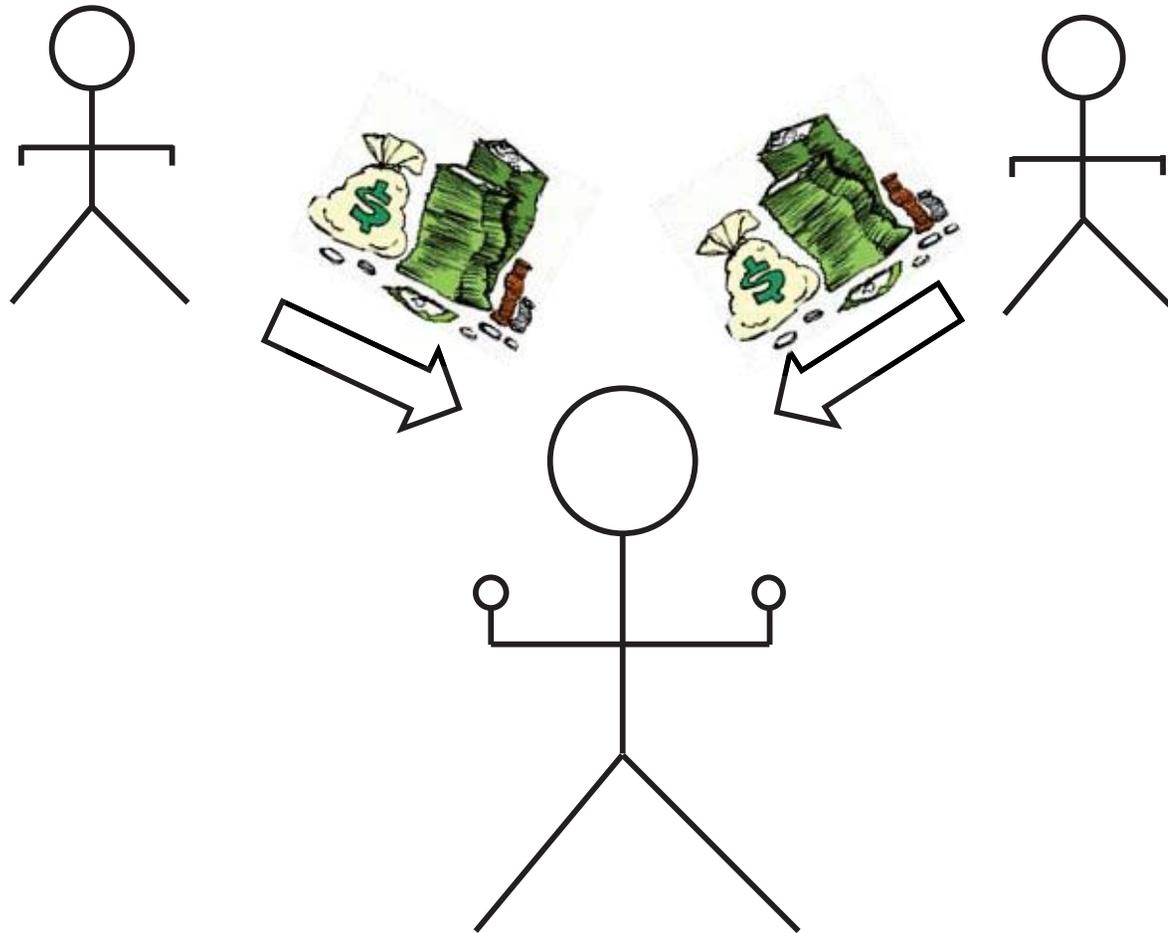
Results of additional/advanced matching



Matching Terms	Number of Distinct Matched Payments	Percent Increase in Number of Distinct Matched Payments	Associated Dollar Payment Amounts	Associated Dollar Percent Increase
Exact TIN+Name	2,433	-	\$6,438,922.07	-
Exact TIN+Nicknames	2,457	0.99%	\$6,602,356.46	2.54%
Exact TIN+Name Alterations	2,482	2.01%	\$6,471,494.86	0.51%
Exact TIN+Similarity Score	3,061	25.81%	\$7,988,482.79	24.07%
TIN Only	13,687	462.56%	\$252,592,142.00	3822.89%

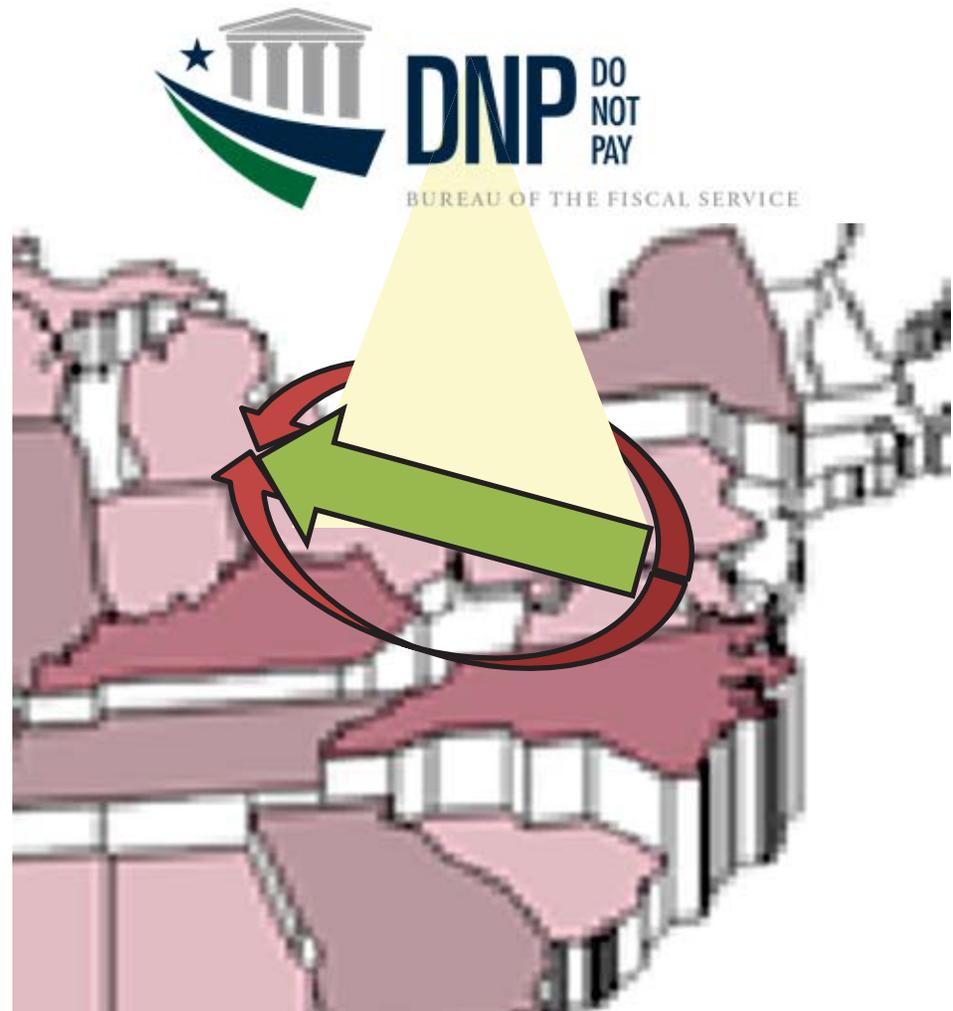
Cross-Cutting Government Analytics

Have you ever lent money to a friend?



Cross-Cutting Government Analytics

- Unique ability to look across payments and program areas to observe government spending as a whole
- DNP legislative authorities assist agencies to address potential overlap in payments or any other cross-government issue
- Positioned at a “top looking down” location to see them entire picture of payments

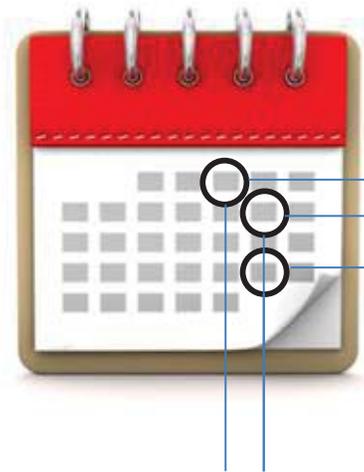


Duplicate Payment Analysis

- DNP analytics can provide information to agencies on ***intra-agency payments*** to help assess likelihood of a payment being duplicative
- DNP can also provide information on individuals who have been ***paid by multiple agencies*** to provide leads for further research
- ***Duplicate payment analysis*** can be done using strict matching or sensitivity analysis on the identification number, payment amount, payment type, payment date

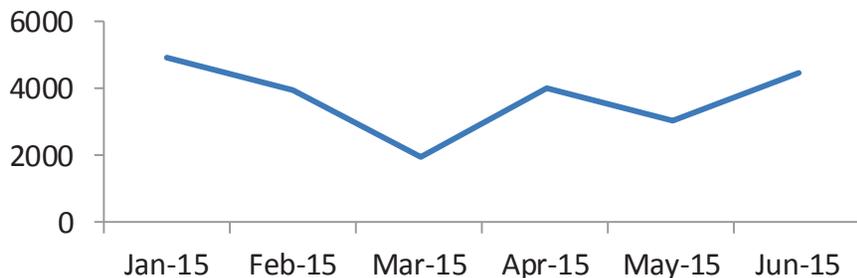
DNP Reporting Services

Standard reports allow for metrics to be captured in a well-defined, repeatable, consistent methodology that can be validated across government.



	Death Master File		SAM Exclusions	
	(#)	(\$)	(#)	(\$)
Payments Reviewed	12,345	\$12,345,678	1,234	\$12,345
Payments with Matches	#	\$	#	\$
Payments with Matches Adjudicated as Improper	#	\$	#	\$
Payments with Matches Pending Adjudication	#	\$	#	\$
Payments Stopped			\$	#

Portal Online Searches Conducted

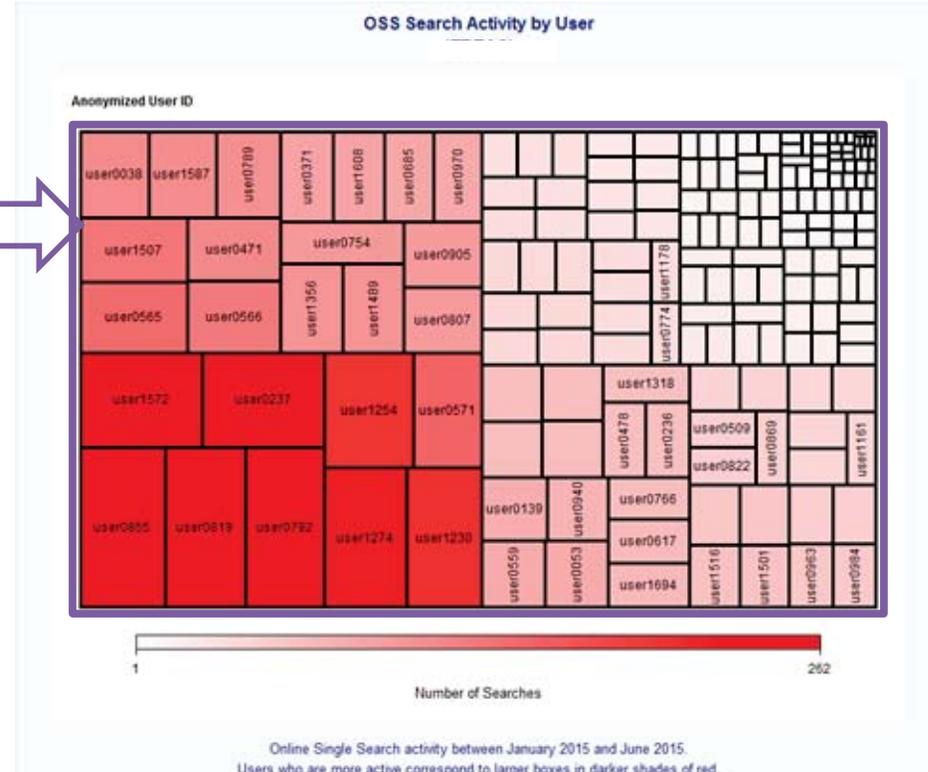
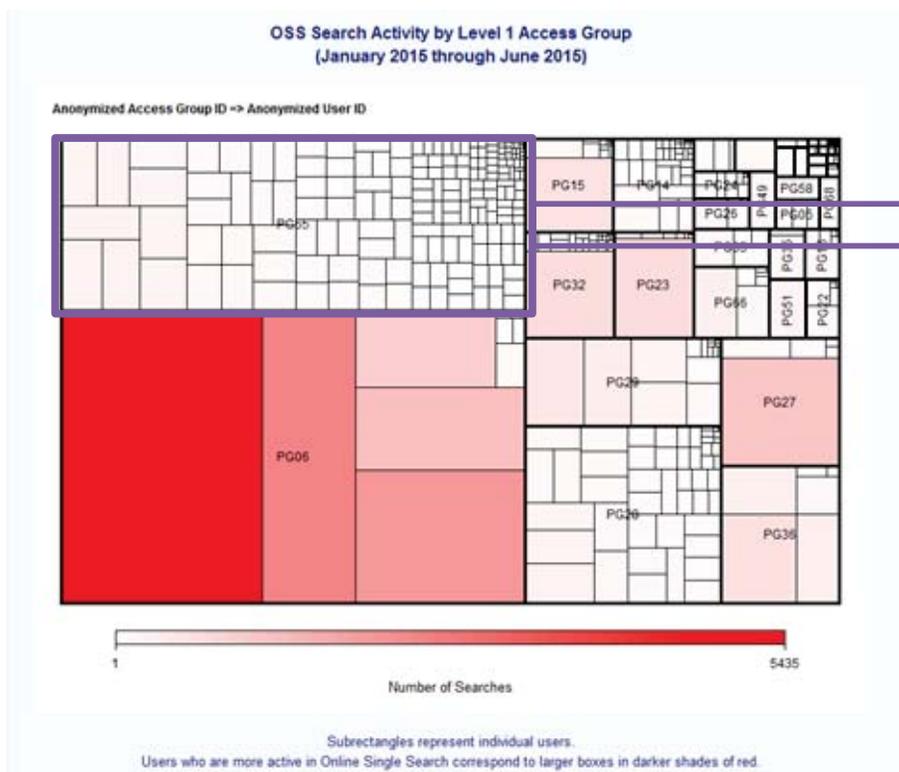


Customized reports can be tailored and defined to meet your agency needs.

DNP Reporting Visualization

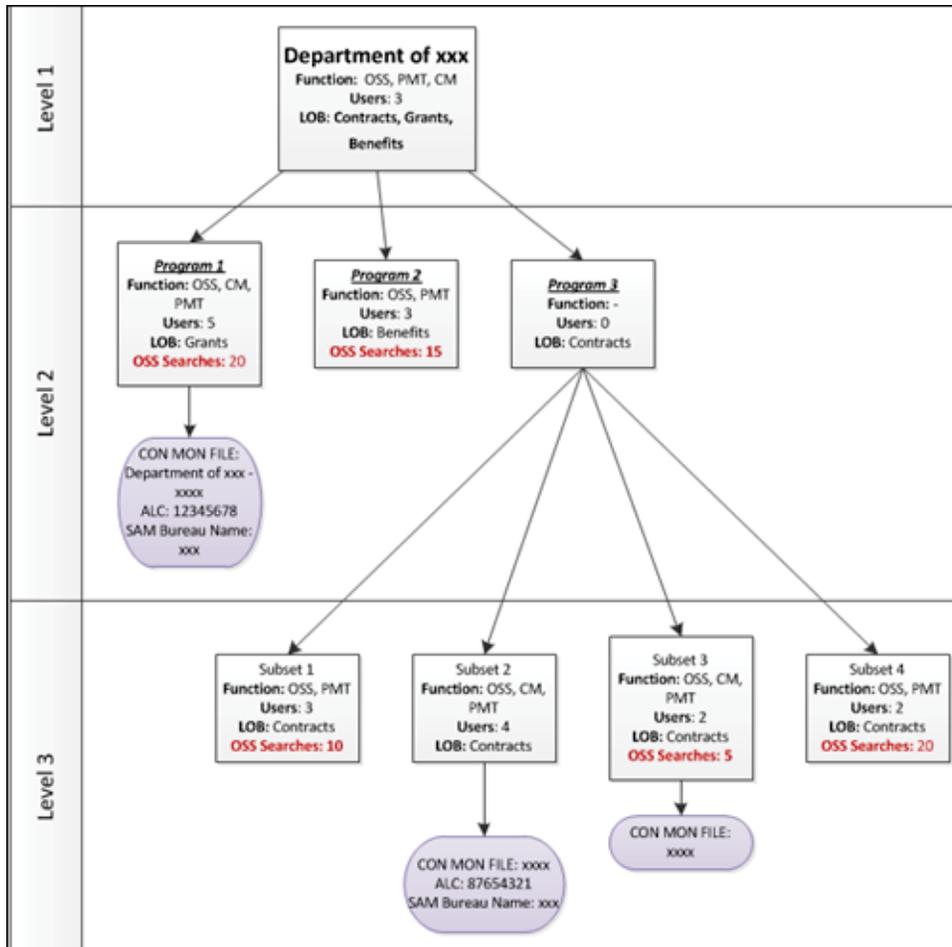
Online Search Activity Agency Level

Online Search Activity User Level



DNP Reporting Visualization

Access Group and Usage



User list

User ID	Full Name	Email	Status	Account Type	Access Groups	Last Activity Date
jsmit01	John Smith	john.smith@agy.gov	Active	PLSA	AGY	12/10/2014
radam02	Rosie Adams	rosie.adams@agy.gov	Active	PORTALUSER	AGY_1	1/13/2015
jdoe003	Jane Doe	jane.doe@agy.gov	Active	PORTALUSER	AGY_1	1/16/2015
ajane04	Amy Jane	amy.jane@agy.gov	Active	PORTALUSER	AGY_1	1/23/2015
mmous01	Mickey Mouse	mickey.mouse@agy.gov	Active	PORTALUSER	AGY_1	6/23/2015
dduck02	Donald Duck	donald.duck@agy.gov	Active	PORTALUSER	AGY_1	10/8/2014
agoof03	A. Goofy	a.goofy@agy.gov	Active	PORTALUSER	AGY_2	10/9/2014
bbunn01	Bugs Bunny	bugs.bunny@agy.gov	Active	PORTALUSER	AGY_2	10/31/2014
rrunn05	Road Runner	road.runner@agy.gov	Active	PORTALUSER	AGY_2	11/6/2014
tbird005	Tw eety Bird	tw eety.bird@agy.gov	Inactive	PORTALUSER	AGY_2	11/17/2014
jsmit02	John Smith	john.smith@agy.gov	Active	PORTALUSER	AGY_2	12/10/2014
radam03	Rosie Adams	rosie.adams@agy.gov	Active	PORTALUSER	AGY_1	1/13/2015
jdoe004	Jane Doe	jane.doe@agy.gov	Active	PORTALUSER	AGY_1	1/16/2015
ajane05	Amy Jane	amy.jane@agy.gov	Active	PORTALUSER	AGY_1	1/23/2015
mmous02	Mickey Mouse	mickey.mouse@agy.gov	Active	PORTALUSER	AGY_1	6/23/2015
dduck02	Donald Duck	donald.duck@agy.gov	Active	PORTALUSER	AGY_1	10/8/2014
agoof04	A. Goofy	a.goofy@agy.gov	Active	PORTALUSER	AGY_2	10/9/2014
bbunn02	Bugs Bunny	bugs.bunny@agy.gov	Active	PORTALUSER	AGY_2	10/31/2014
rrunn06	Road Runner	road.runner@agy.gov	Active	PORTALUSER	AGY_2	11/6/2014
tbird005	Tw eety Bird	tw eety.bird@agy.gov	Inactive	PORTALUSER	AGY_2	11/17/2014

Questions?



Contact Information

Brendan Griffiths
brendan.griffiths@fiscal.treasury.gov
202-874-5242

Derek Pachla
derek.pachla@fiscal.treasury.gov
202-504-3524

Amber Jansen
amber.m.jansen@stls.frb.org
314-444-3877

Do Not Pay Business Center
donotpay@stls.frb.org
1-855-837-4391

www.donotpay.treas.gov

Sign up for our mailing list to receive updates on
new functionality and data sources or to
schedule a demo.

<http://www.donotpay.treas.gov/MailingList.htm>