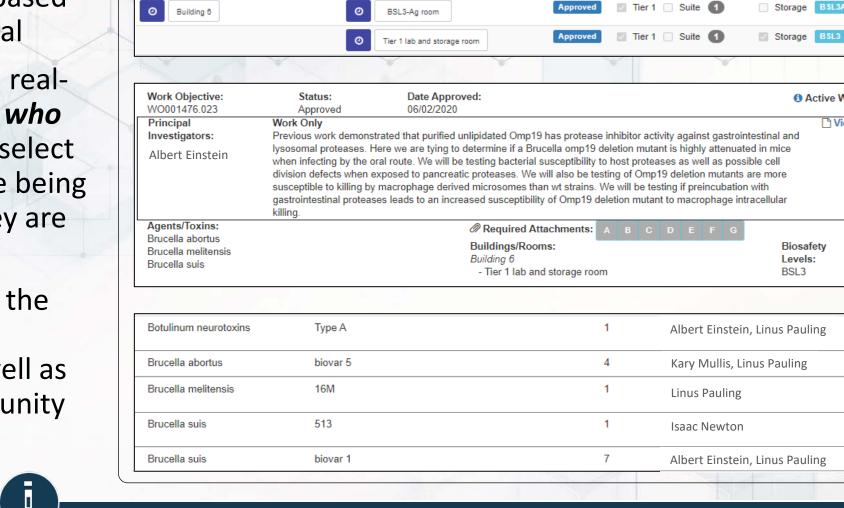
Electronic Federal Select Agent Program (eFSAP) Information System

2021 Responsible Official Webinar Series August 18, 2021



### Electronic Federal Select Agent Program (eFSAP) **Information System**

- Highly secure, web-based communication portal
- Provides immediate, realtime information on who has access to which select agents, how they are being used, and where they are located
- Built to benefit both the Federal Select Agent Program (FSAP) as well as the regulated community



BSL3Ag

Active Work

View

 Status of registration amendments, theft-loss-release reports, transfer requests, inspection reports, etc.
 displayed in real-time and available to the entity 24/7

#### Date And Time Notification From eFSAP system Form 2 transfer authorization T-F2-010324 1/22/2021 5:20:04 AM has expired. Branch Chief 1/19/2021 3:31:38 PM Form2 (T-F2-010327) was modified (State: Approved Section2 Pending) by Branch Chief eFSAP system Section 4 - SRA status will expire in 7 days 12/13/2020 5:10:04 AM on 12/20/2020 for Gregor Mendel (JJ070277) fte advanced 12/8/2020 10:33:00 AM Amendment #332070 - Section 7a/c -Amendment to Modify Work objective (WO001976.003.001) was modified (State: Branch Chief 8/24/2020 12:17:47 PM Form3 (TLR-F3-000090) was modified (State: RequestForMoreInformation) by Branch Chief

Real-time Notifications

 Status of registration amendments,
 theft-loss-release reports, transfer requests,
 inspection reports, etc.
 displayed in real-time and available to the entity 24/7

### Amendment Status

Amendment Type 🛛 🗸	Number ~	Date Submitted x.	Date Approved.x.	Status 👻 🗸
Section 7AC - Add Ne	00332071	12/08/2020		Pending
Section 7AC - Remove	00332067	12/08/2020	12/08/2020	Approved
Section 6 - Modify Roo	00332009	09/09/2020	09/18/2020	Approved
Section 1 - Change Ent	00332022	09/25/2020		RequestFo

### Transfer Status

Agents ~	Transfer Id.x.	Sender ~	Date Create.x	Status ~
Bacillus anthracis	T-F2-010359	eFSAP Test Entity	01/15/2021	Transfer in Review
Ricin	T-F2-010351	eFSAP Test Entity	12/30/2020	Request for Information
Botulinum neurotoxin	T-F2-010343	eFSAP Test Entity	12/15/2020	Approved Section 2 Pending
Burkholderia mallei	T-F2-010333	eFSAP Test Entity	12/05/2020	Approved Section 3 Pending
Yersinia pestis	T-F2-010323	eFSAP Test Entity	11/27/2020	Transfer Complete

- Entity staff can communicate with FSAP staff directly within the system
- Discussions are timestamped and categorized for later search and retrieval

Discussion	1 Logs
General Discussion	Search General Discussions (Dates in mm/dd/yyyy)
responsible official4 - regarding: Amendment 332071 Just submitted this amendment. Please reach out to me if you need any a	1/22/2021 4:45:37 PM     RO
BC 9 1/22/2021 4:46:42 PM Branch Chief - regarding: Amendment Yes sir, just saw it come in. We will take a look and get back to p	
esponsible official4 - regarding: Form 2 Transfer ID T-F2-010326 Vanted to let you know that we may have to modify this transfer request to	© 1/22/2021 4:47:58 PM RO
O 1/22/2021 4:49:12 PM Branch Chief - regarding: Form 2 Trans That's no problem, I'll return the form to you so that you can mo	
Type your message here	
Previous 1 2 Next	Send
	Selid

- eFSAP is FSAP's official system of records
- Entities do not need to maintain separate records
- If entities keep eFSAP up to date, the number of records requested during inspections should be minimal

#### **Original Name** Unique File Identifier Uploaded Date File Category Start Date End Date Form 3 TLR-F3-000090-20200824-9/2/2020 3:29:05 PM-Other-'other v2 9/2/2020 3:29:05 PM Human remains application doc.pdf Form 3 TLR-F3-000074-20200722-9/2/2020 3:20:20 PM-Other-'other v2 9/2/2020 3:20:20 PM test upload.pdf Form 2 form 3 upload error JPG F2-010338-9/2/2020 1:52:05 PM-Transfer Authorization-'ta v2' 9/2/2020 1:52:05 PM Form 2 updated test upload docx F2-010338-9/2/2020 1:49:17 PM-Application Request-'ar v2' 9/2/2020 1:49:17 PM Form 2 test upload.pdf F2-010338-9/2/2020 1:48:27 PM-Application Request-'ar v2' 9/2/2020 1:48:27 PM Form 2 Upload Test - (9).pdf F2-010338-9/2/2020 1:28:20 PM-Application Complete 9/2/2020 1:28:20 PM Form 2 inland Test (0) add E2 040329 0/2/2020 1/27/59 DM Compliance Letter 0/2/2020 1-27-50 DM 1 - 10 of 162 items ✓ items per page Form 1 (33) Form 2 (19) Form 3 (11) Form 4A (8) Form 4B (1) Form 5 (3) Entity Select Agent and Registration Certificate Compliance (8) Facilities (2) Inspection (42) Policy (8) Toxin Program (1)Documents (13) Restricted Experiments/Exclusions Security (1) Training (2) View All (162)

Entity records library

# Impact of the eFSAP Information System

- 79% reduction in time required for entities to resolve regulatory departures
- 92-99% reduction in FSAP approval times versus previous system

Select Agents and Toxins Regulatory Process/Requirement		Median Business Days		Percent (%)	
		Pre eFSAP (2016-2017)	eFSAP (2019- 2020)	Increase in Efficiency	Decrease in Time
Days to Resolve Regulatory Depa	rtures	202	42	481	79
Days to Approve Amendments: a. Replace Responsible Officia		26	2	1,300	92
b. Update Entity Personnel		15	*0.02	75,000	99.87
c. Update Entity Safety/Securi	ty Information	100	2	5,000	98
d. Add/Update/Remove Regis	tered Areas	93	3	3,100	97
e. Add/Modify/Remove Appro	oved Activities	63	4	1,575	94
f. Add/Modify/Remove Strain	S	64	*0.02	320,000	99.96

\*These amendments are now "self-service" within eFSAP information system. The 0.02 value for business days represents a conservative estimate of these actions requiring 30 minutes to complete.

# Impact of the eFSAP Information System

- 79% reduction in time required for entities to resolve regulatory departures
- 92-99% reduction in FSAP approval times versus previous system

Select Agents and Toxins Regulatory Process/Requirement		Median Business Days		Percent (%)	
		Pre eFSAP (2016-2017)	eFSAP (2019- 2020)	Increase in Efficiency	Decrease in Time
Days to Rese	olve Regulatory Departures	202	42	481	79
	prove Amendments:	26	2	1 200	92
-	e Responsible Official e Entity Personnel	15	*0.02	1,300 75,000	92 99.87
c. Updat	e Entity Safety/Security Information	100	2	5,000	98
d. Add/U	pdate/Remove Registered Areas	93	3	3,100	97
e. Add/M	lodify/Remove Approved Activities	63	4	1,575	94
f. Add/M	lodify/Remove Strains	64	*0.02	320,000	99.96

\*These amendments are now "self-service" within eFSAP information system. The 0.02 value for business days represents a conservative estimate of these actions requiring 30 minutes to complete.

# Impact of the eFSAP Information System

- 79% reduction in time required for entities to resolve regulatory departures
- 92-99% reduction in FSAP approval times versus previous system

Select Agents and Toxins Regulatory Process/Requirement		Median Business Days		Percent (%)	
		Pre eFSAP (2016-2017)	eFSAP (2019- 2020)	Increase in Efficiency	Decrease in Time
Day	ys to Resolve Regulatory Departures	202	42	481	79
Day	ys to Approve Amendments:				
a.	Replace Responsible Official	26	2	1,300	92
b.	Update Entity Personnel	15	*0.02	75,000	99.87
c.	Update Entity Safety/Security Information	100	2	5,000	98
d.	Add/Update/Remove Registered Areas	93	3	3,100	97
e.	Add/Modify/Remove Approved Activities	63	4	1,575	94
f.	Add/Modify/Remove Strains	64	*0.02	320,000	99.96

\*These amendments are now "self-service" within eFSAP information system. The 0.02 value for business days represents a conservative estimate of these actions requiring 30 minutes to complete.

- Principal Investigator (PI) user role
- Rapid PI replacement
- Redesign of how strains are captured
- Integration with the FBI Bioterrorism Risk Assessment Group
- Internal "Action Center"
- Internal PowerBI-based reporting module



### • Pl user role

- Specialized user role for entity PIs
- Allows PIs to have direct control to update and edit agent strains in their inventory
- Permits PIs to edit and save, but not submit, draft amendments to their approved work objectives
- Provides PIs a read-only view of their approved work objectives for review of accuracy
- Designed to protect the privacy of research (PIs cannot see the work being conducted or strains possessed by other PIs on the registration)



### Rapid PI replacement

- The APHIS/CDC Form 1 requires that all personnel, work objectives, and strains be assigned to at least one PI
- Previously, when a PI left an organization, many hours may have been spent to reassign personnel, work objectives, and strains to another PI
- eFSAP now provides a way for entities to rapidly replace a PI via an automated script that reassigns personnel, work, and strains to a new PI in just minutes



### Redesign of how strains are captured

- Historically, and initially in eFSAP, agent strains were captured as free text fields
- The program was not able to rapidly query and identify which entities/PIs possessed specific strains of an agent
- With a redesign to enable input of strains from a drop-down list, the program can now identify in minutes the entities and PIs that possess any specific select agent strain
- The program can now provide immediate support to law enforcement



### Integration with the FBI Bioterrorism Risk Assessment Group (BRAG)

- BRAG provides FSAP with the results of the security risk assessment for entity personnel seeking to work with select agents and toxins
- BRAG has a user role allowing system access to directly update information on the over 9000 active users for security risk assessments
- Allowing BRAG access to eFSAP has led to faster processing of security risk assessments
- BRAG only has access to personnel records to protect entity privacy



### Internal "Action Center"

- Home page and hub for internal eFSAP users
- Multiple grid tables providing real-time notifications of events requiring action/attention
- Hyperlinks allowing instant navigation to the amendment, form, inspection response, etc.
- Internal FSAP users can filter the information to their team or personal level



### Internal PowerBI-based reporting module

- Built upon the Microsoft PowerBI platform
- Pulls real-time information from different system data points
- Limited to internal system users (FSAP staff)
- Allows rapid analysis of metrics, trends, and data anomalies/outliers
- Current information is readily available and accurate



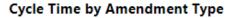
#### 310

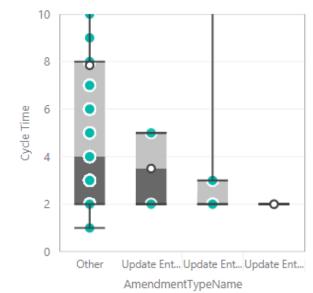
### **Amendment Cycle Times**

Section 7AC - Remove Approved Work

#### Amendment Cycle Times by Entity and Category **Entity Name** Total Days Work Days Entity Number Submitted Amendment Category Approved ∕ Q Search Date Date 4/7/2020 Section 7AC - Remove Approved Work 3682 4/6/2020 2 Objective Entity 3684 4/6/2020 4/8/2020 Section 7AC - Remove Approved Work 3 Objective All 3685 4/6/2020 4/9/2020 Section 6 - Modify Building 4 3690 4/7/2020 4/8/2020 Section 7AC - Modify Work Objective 2 Entity Type and/or Attachment(s) 3693 4/7/2020 4/9/2020 Section 7AC - Modify Work Objective 3 Academic - Private and/or Attachment(s) Academic - State 3875 6/4/2020 6/8/2020 Section 6 - Modify Room or Suite 5 Commercial - Profit Government - Federal 3689 4/6/2020 4/7/2020 Section 7AC - Modify Work Objective 2 Government - State/Local and/or Attachment(s) Private - Non-Profit 3969 6/30/2020 7/7/2020 Section 7AC - Add New Work Objective 8

7/8/2020





#### Lead Agency





2/1/2020





#### Avg. Cycle Time by Amendment Category

5C -

Modify

200





7/0/2020

#### Amendment Category Count by Entity Type

2

3

4

2

3

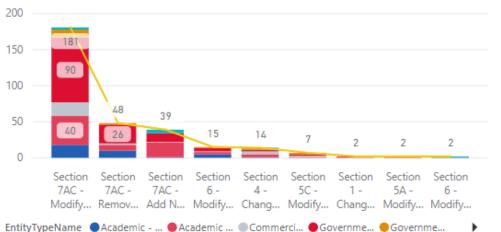
3

2

6

2

2



### **Amendment Cycle Times**



#### **Entity Name**

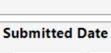
#### Q Search Entity All $\sim$

#### Entity Type

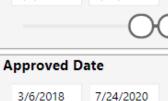
- Academic Private
- Academic State
- Commercial Profit
- Government Federal
- Government State/Local
- Private Non-Profit

#### Lead Agency









#### Total Days Work Days Number Submitted Amendment Category Approved Date Date 4/7/2020 Section 7AC - Remove Approved Work 3682 4/6/2020 2 Objective 3684 4/6/2020 4/8/2020 Section 7AC - Remove Approved Work 3 Objective 3685 4/6/2020 4/9/2020 Section 6 - Modify Building 4 3690 4/7/2020 4/8/2020 Section 7AC - Modify Work Objective 2 and/or Attachment(s) 3693 4/7/2020 4/9/2020 Section 7AC - Modify Work Objective 3 and/or Attachment(s) 3875 6/4/2020 6/8/2020 Section 6 - Modify Room or Suite 5 3689 4/6/2020 4/7/2020 Section 7AC - Modify Work Objective 2

7/7/2020

7/0/2020

and/or Attachment(s)

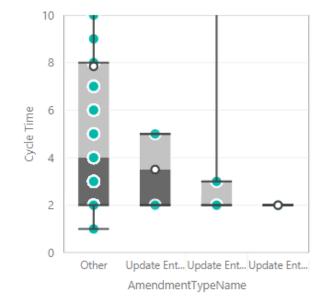
Section 7AC - Add New Work Objective

Section 7AC - Remove Approved Work

Entity

Physica...

#### Cycle Time by Amendment Type



#### Avg. Cycle Time by Amendment Category

Modify

Entry R...

Add New

Work ....

Modify

Work ...

Remove

Approv...

3969

2001

Amendment Cycle Times by Entity and Category

Entity



Room or

Suite

Respon... Building

Official

6/30/2020

7/8/2020

#### Amendment Category Count by Entity Type

2

3

4

2

З

3

2

6

2

8

2



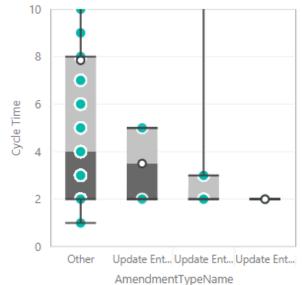
Modify EntityTypeName Ocademic - ... Ocademic ... Commerci... Governme... Entity-...

#### 310

### **Amendment Cycle Times**



#### Cycle Time by Amendment Type



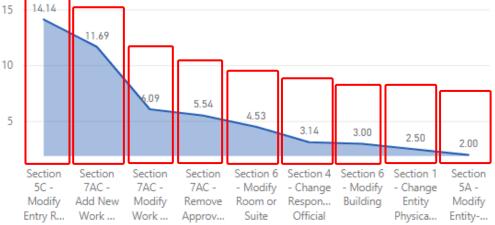
# Lead Agency APHIS CDC Submitted Date 2/1/2020 7/23/2020



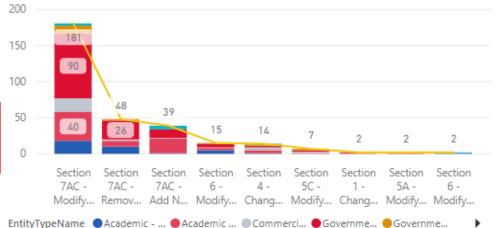
7/24/2020

3/6/2018

### Avg. Cycle Time by Amendment Category

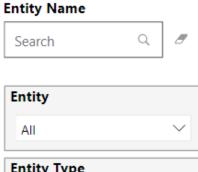


#### Amendment Category Count by Entity Type



#### 310

### **Amendment Cycle Times**

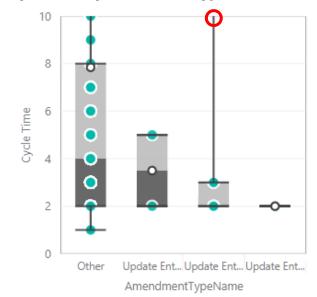


#### Entity Type

- Academic Private
- Academic State
- Commercial Profit
- Government Federal
- Government State/Local
- Private Non-Profit

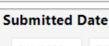


#### Cycle Time by Amendment Type



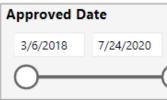
#### Lead Agency











#### Avg. Cycle Time by Amendment Category

5C -

Modify

Entry R...

7AC -

Add New

Work ....

Work ...

Approv...



Suite

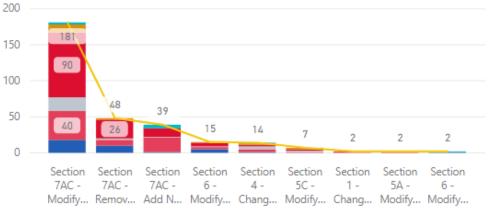


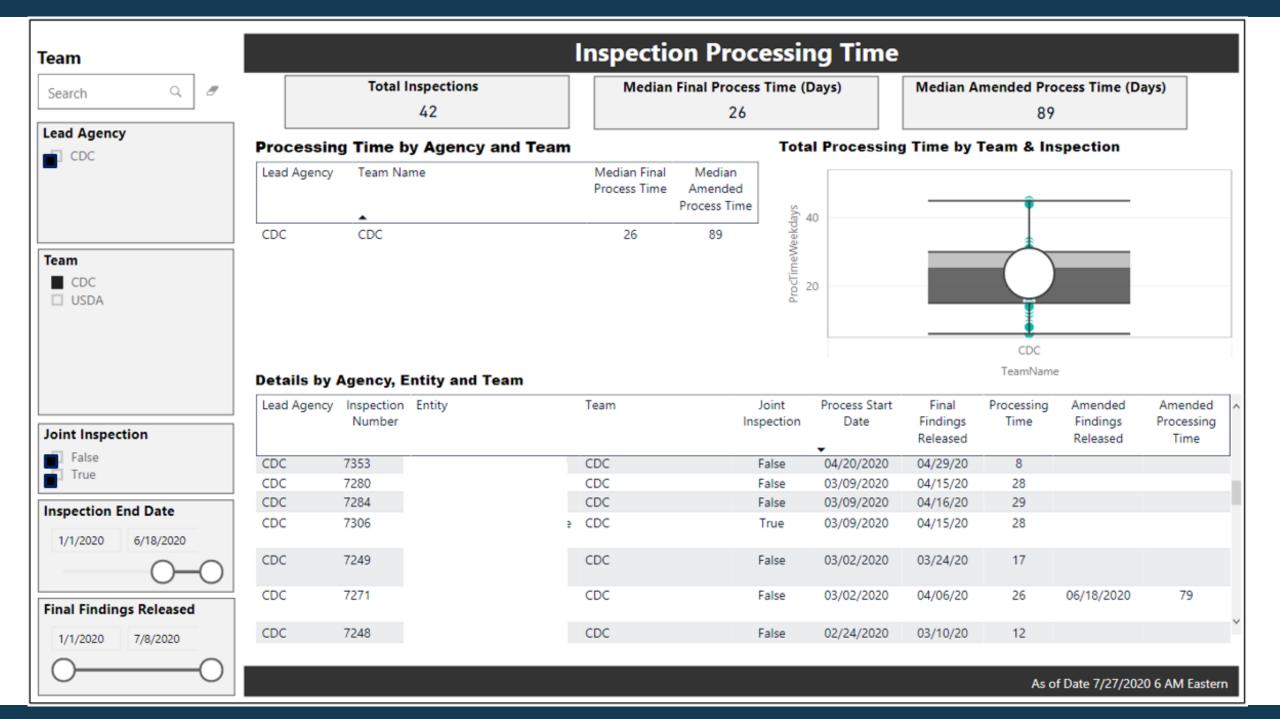
Physica...

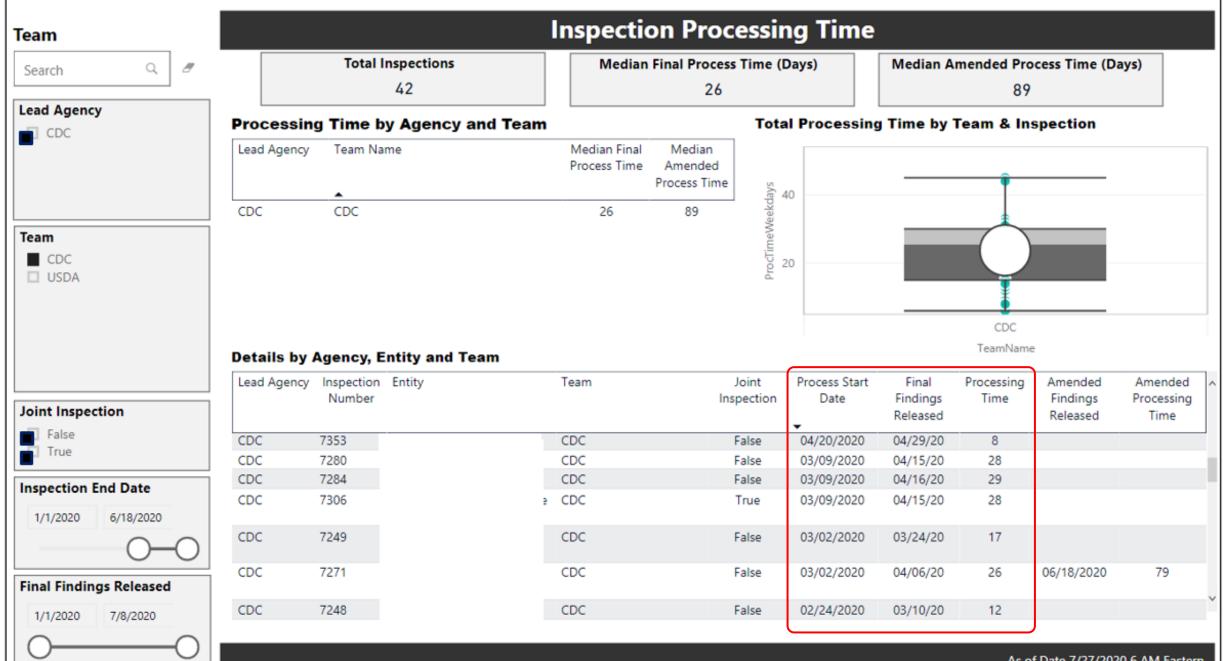
Entity-...

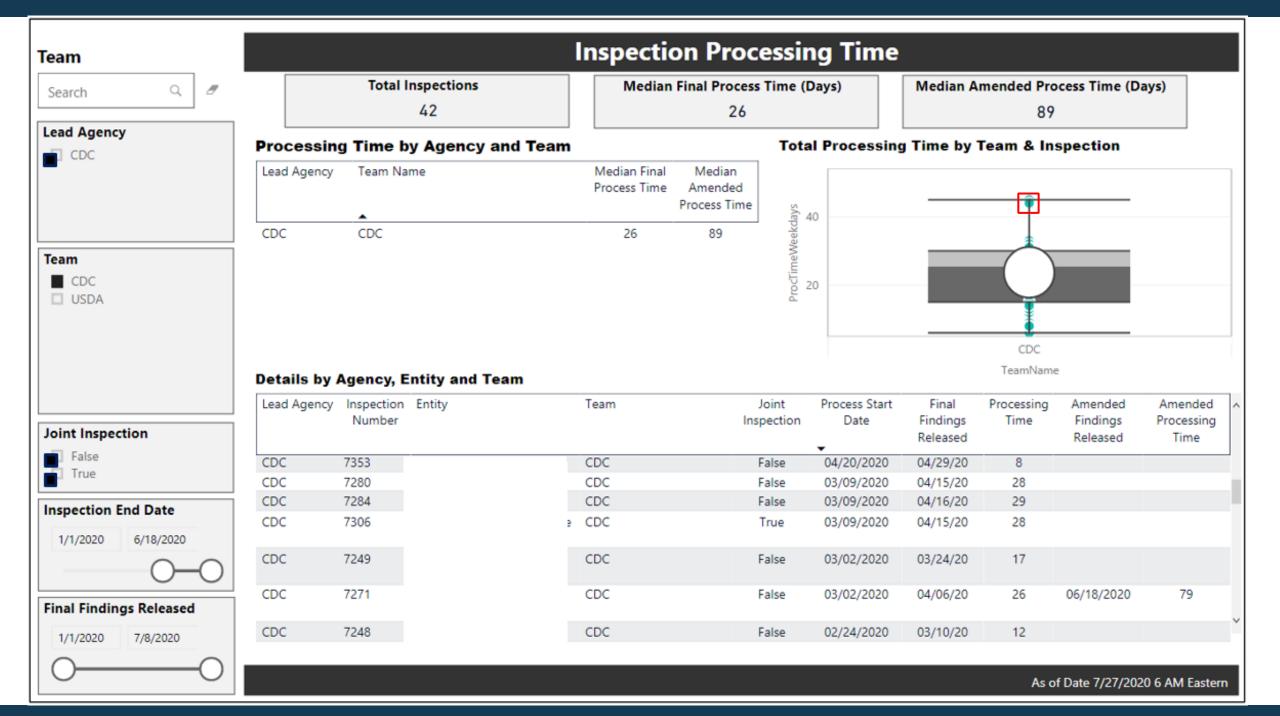
Official

#### Amendment Category Count by Entity Type









# FY 2021 Focal Points



# FY 2021 Focal Points

### eFSAP Database Updates

- Conversion of eFSAP CRM-based database to SQL database
- Streamlined access to data for reporting
- Enhanced efficiencies through removal of excess data layers

### • eFSAP Infrastructure Updates

- Transition to Microsoft Azure Government Cloud-based hosting
- Continental Redundancy (Arizona / Virginia) vs. Regional Redundancy (Atlanta, GA / Lawrenceville, GA)

### eIPP system updates

- Human Remains Importation Application
- eIPP inspection module



# eFSAP Information System: Coming Features



### Document Review Center / 1-click uploading

- Document reclassification
- Enhancements to Inspection Module to better support "hybrid" inspections
- Science Module expedited review and approval of exclusions and restricted experiments
- Internal routing of entity information for faster review and approval
- The ability to "recycle" previously submitted forms
- Form 1 Section 7a/c attachment sharing
- Inspection "Report Cards"



- Document Review Center / 1-click uploading
- Document reclassification
- Enhancements to Inspection Module to better support "hybrid" inspections
- Science Module expedited review and approval of exclusions and restricted experiments
- Internal routing of entity information for faster review and approval
- The ability to "recycle" previously submitted forms
- Form 1 Section 7a/c attachment sharing
- Inspection "Report Cards"



- Document Review Center / 1-click uploading
- Document reclassification
- Enhancements to Inspection Module to better support "hybrid" inspections
- Science Module expedited review and approval of exclusions and restricted experiments
- Internal routing of entity information for faster review and approval
- The ability to "recycle" previously submitted forms
- Form 1 Section 7a/c attachment sharing
- Inspection "Report Cards"



- Document Review Center / 1-click uploading
- Document reclassification
- Enhancements to Inspection Module to better support "hybrid" inspections
- Science Module expedited review and approval of exclusions and restricted experiments
- Internal routing of entity information for faster review and approval
- The ability to "recycle" previously submitted forms
- Form 1 Section 7a/c attachment sharing
- Inspection "Report Cards"



- Document Review Center / 1-click uploading
- Document reclassification
- Enhancements to Inspection Module to better support "hybrid" inspections
- Science Module expedited review and approval of exclusions and restricted experiments
- Internal routing of entity information for faster review and approval
- The ability to "recycle" previously submitted forms
- Form 1 Section 7a/c attachment sharing
- Inspection "Report Cards"



- Document Review Center / 1-click uploading
- Document reclassification
- Enhancements to Inspection Module to better support "hybrid" inspections
- Science Module expedited review and approval of exclusions and restricted experiments
- Internal routing of entity information for faster review and approval
- The ability to "recycle" previously submitted forms
- Form 1 Section 7a/c attachment sharing
- Inspection "Report Cards"



- Document Review Center / 1-click uploading
- Document reclassification
- Enhancements to Inspection Module to better support "hybrid" inspections
- Science Module expedited review and approval of exclusions and restricted experiments
- Internal routing of entity information for faster review and approval
- The ability to "recycle" previously submitted forms
- Form 1 Section 7a/c attachment sharing
- Inspection "Report Cards"



- Document Review Center / 1-click uploading
- Document reclassification
- Enhancements to Inspection Module to better support "hybrid" inspections
- Science Module expedited review and approval of exclusions and restricted experiments
- Internal routing of entity information for faster review and approval
- The ability to "recycle" previously submitted forms
- Form 1 Section 7a/c attachment sharing
- Inspection "Report Cards"



# eFSAP Information System: Reminders

- eFSAP provides notifications when individuals are 90, 45, and 7 days from expiring
- Please ensure that FD-961s are submitted after receiving the first notification
  - A Notifications

Filter: All 🗸

Current 
O Archived 
O

From ~	Туре 🗸	Date And Time v	Notification
			sra X
eFSAP system	Form1 View	9/7/2021 5:10:10 AM	Section 4 – SRA status has expired for J. Edgar Hoover (JH070426)
eFSAP system	Form1 View	8/30/2021 5:10:03 AM	Section 4 – SRA status will expire in 7 days on 9/6/2021 for J. Edgar Hoover (JH070426)
eFSAP system	Form1 View	7/23/2021 5:10:07 AM	Section 4 – SRA status will expire in 45 days on 9/6/2021 for J. Edgar Hoover (JH070426)
eFSAP system	Form1 View	6/08/2021 5:10:05 AM	Section 4 – SRA status will expire in 90 days on 9/6/2021 for J. Edgar Hoover (JH070426)

# eFSAP Information System: Reminders

• The Federal Select Agent Program provides several mechanisms to receive assistance with using the system.

# Primary and secondary points of contact are listed at the top of each entity's home page

### **eFSAP** Test Entity

LEAD AGENCY: CDC	REGISTRATION STATUS: Approved	REGISTRATION EXPIRES: 03/23/2022
Facility Address: 1020 Valley Drive, Atlanta, GA	30329-1234	Registration #: 20200401-103033
Responsible Official Name: Alexander Bell	Responsible Official Business #: 444-121- 1236	Responsible Official Emergency #: 444-121- 1236
Primary FSAP POC: Albert Einstein	Primary POC Office #: 012-345-6789	Primary POC Mobile #: 012-345-6789
Secondary FSAP POC: George Carver	Secondary POC Office #: 123-456-7890	Secondary POC Mobile #: 999-124-7891

The bottom right of every page in the system provides links to our resource center, support request form, and contacts for our help desk

#### Help and Support

eFSAP Resource Center eFSAP Customer Support Request Form Telephone: 877-232-3322 Email: eFSAPsupport@cdc.gov



### www.selectagents.gov

CDC Contact Information Division of Select Agents and Toxins Irsat@cdc.gov 404-718-2000 APHIS Contact Information Division of Agricultural Select Agents and Toxins <u>DASAT@usda.gov</u> 301- 851-2070



