



WASHINGTON STATE UNIVERSITY
College of Pharmacy and
Pharmaceutical Sciences

Registrant Statistics and IRB Changes

Stacey McComish

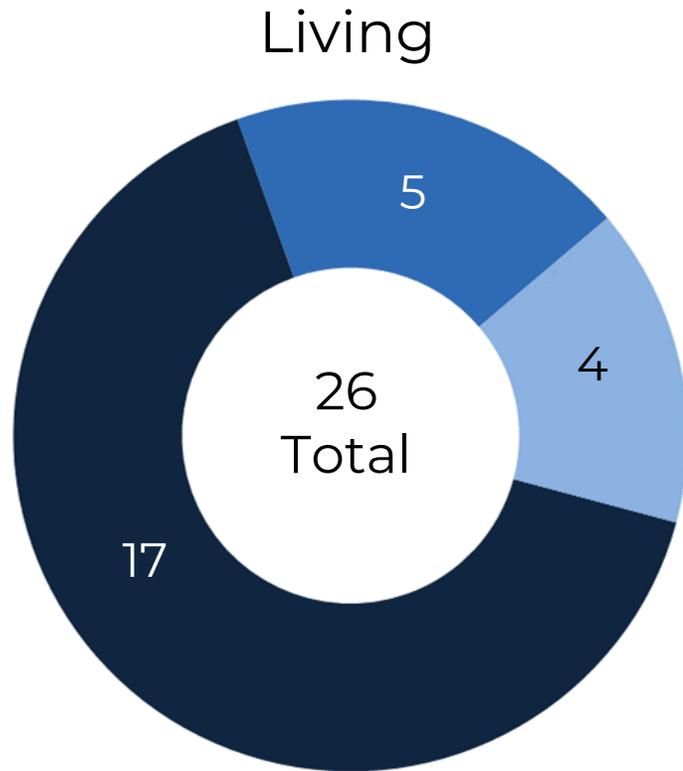
United States Transuranium and Uranium Registries

College of Pharmacy and Pharmaceutical Sciences

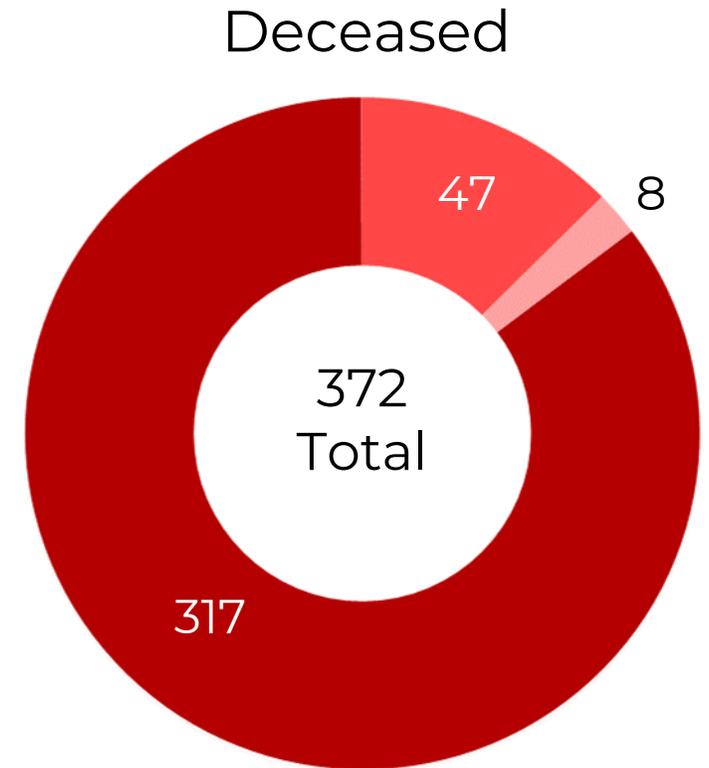
Washington State University, Richland, WA, USA

April 28, 2022

Number of Registrants



- Partial-Body
- Whole-Body
- Special

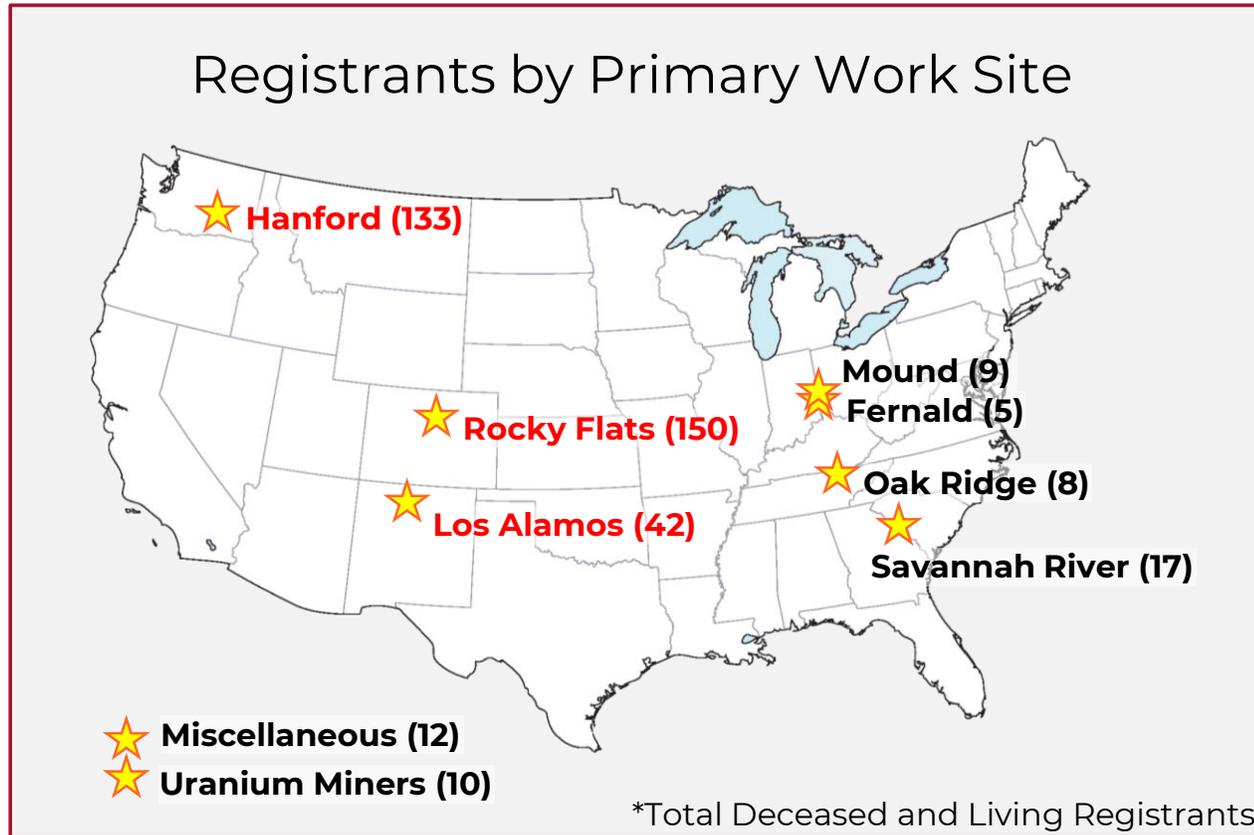


Active Registrants: 398
 Inactive Registrants: 482

*As of March 24, 2022



Statistics at a Glance...



 Living: 22
Deceased: 374

 Living: 0
Deceased: 12

Average Age 

Living: 83 y
Deceased: 70 y

Note: Special studies cases excluded.



Three Partial-body Donations

$^{239}\text{PuO}_2$

^{238}Pu
aerosols

- Pu-239 inhalation, likely oxide
- 12.7 nCi intake
- Pu-238 aerosols (0.2 μm AMAD) suspected

$^{239}\text{PuO}_2$

Chelated

- Pu-239 oxide inhalation
- 5 Ca-DTPA injections
- 4 nCi systemic deposition

Minor
Incidents

- Worked with actinides for 38 years
- Various contamination and wound incidents
- No confirmed actinide intakes
- Fission products detected in urine, but not actinides



Institutional Review Board

- August 2021
 - ✓ Continuing review + minor modifications
 - ✓ Submitted July 20, 2021
 - ✓ Approved August 11, 2021
 - ✓ Valid until September 8, 2022
- February 2022
 - ✓ Minor modifications to urine collection forms
 - ✓ Approved February 23, 2022



New Option for Sharing data with Collaborators

- Past practice: data with potentially identifiable information was shipped
- Works well when the recipient will perform data analysis independently
- Not practical when data needs to be passed back and forth multiple times



OneDrive for Collaboration

- WSU suggested their OneDrive cloud service to meet our needs
 - ✓ Microsoft Office 365
 - ✓ Secure
 - ✓ Allowed for personally identifiable information (PII) and protected health information data
- Subfolder for each collaborating team
 - ✓ Prevents co-mingling of data
- Collaborator is emailed one-time 10-digit password each time they open the file/folder



Other Considerations: WSU IT Support Options

- WSU's Regulated Data Environment (RDE)
 - ✓ Hosted on the Amazon and Microsoft cloud infrastructure
 - ✓ Data back up to minimize impact of ransomware attacks
- WSU's active directory (AD) infrastructure
 - ✓ Our servers remain onsite
 - ✓ WSU logins for our workstations
 - ✓ WSU security
- Possible drawbacks to joining AD infrastructure
 - ✓ Databases – integrating older databases with WSU's system
 - ✓ Support response time compared to private IT consultant



Urine Sampling

- Changes to the Urine Collection Instruction Sheet
 - ✓ Registrants asked to document start and end TIME rather than just date
 - ✓ Picture guide for packaging bottles for shipment

Step 4

Place the properly packaged kit box (box #2) into the return shipping box (box #3) as shown. Check that the 'Sample Start Date/Time' and 'Sample End Date/Time' have been entered on the 'Instructions for Collecting a Urine Sample for Mailing' form, and place it in the box. Also include the 'Request for Results' forms if you want to request a copy of your results.



Properly packaged return shipping box



With this instruction sheet

Step 5

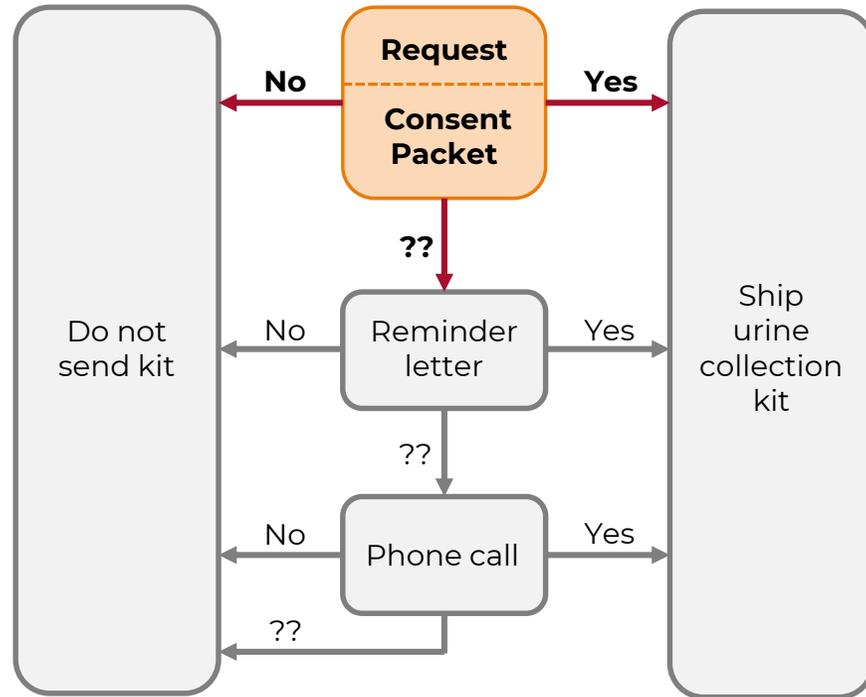
Ship the return shipping box to the USTUR. A prepaid FedEx label is already affixed to the box. Please do NOT pay for return shipping. If you have problems shipping it, please give us a call.



Return shipping box



Requesting Urine Samples: Where are we at?

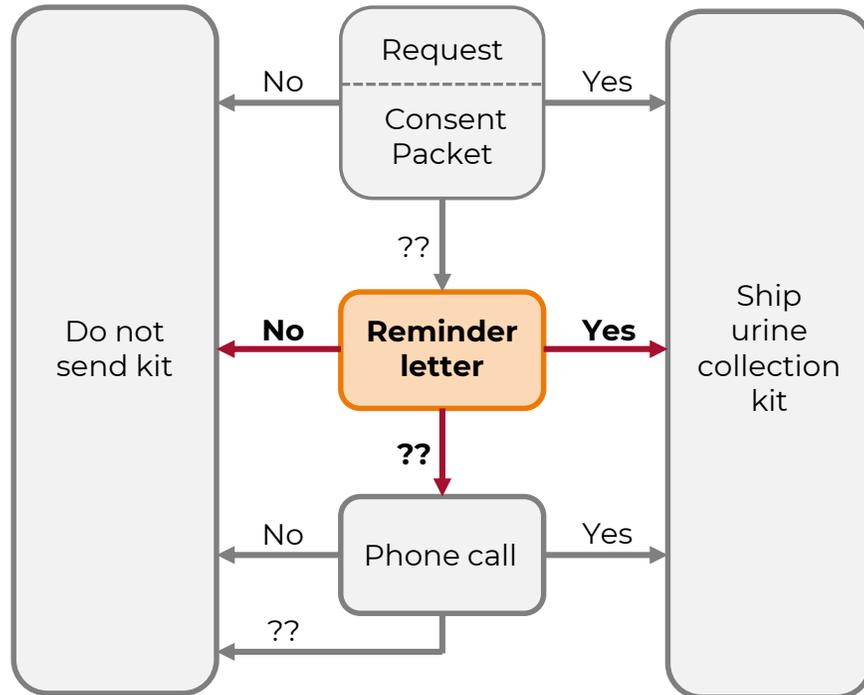


Initial request to participate

- ✓ Mailed: February 28, 2022
- ✓ 23 living Registrants
- ✓ One special study case



Urine Sampling Process: Where are we at?



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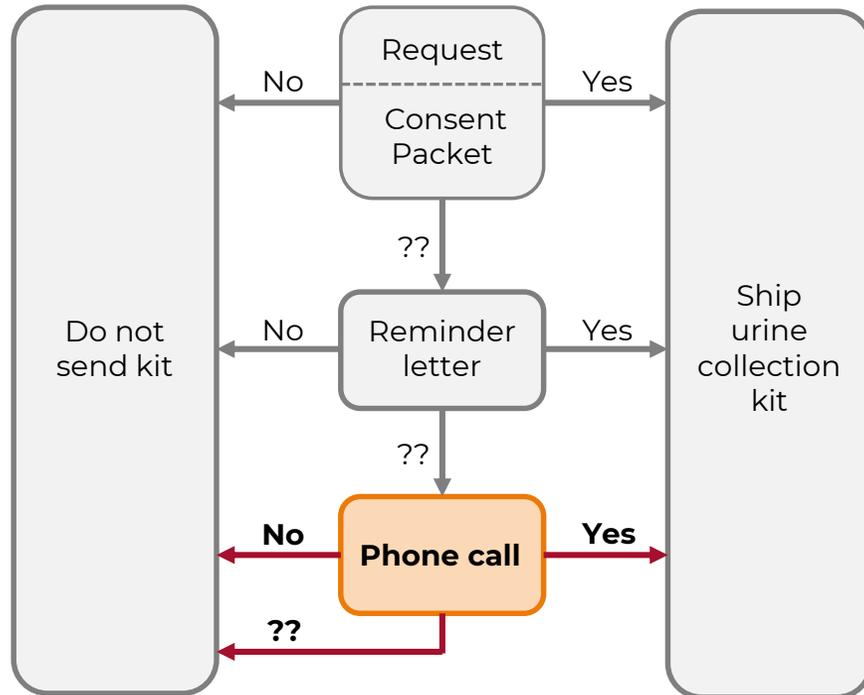


Reminder letter

- ✓ Mailed: March 24, 2022
- ✓ 10 Registrants



Urine Sampling Process: Where are we at?



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Reminder letter

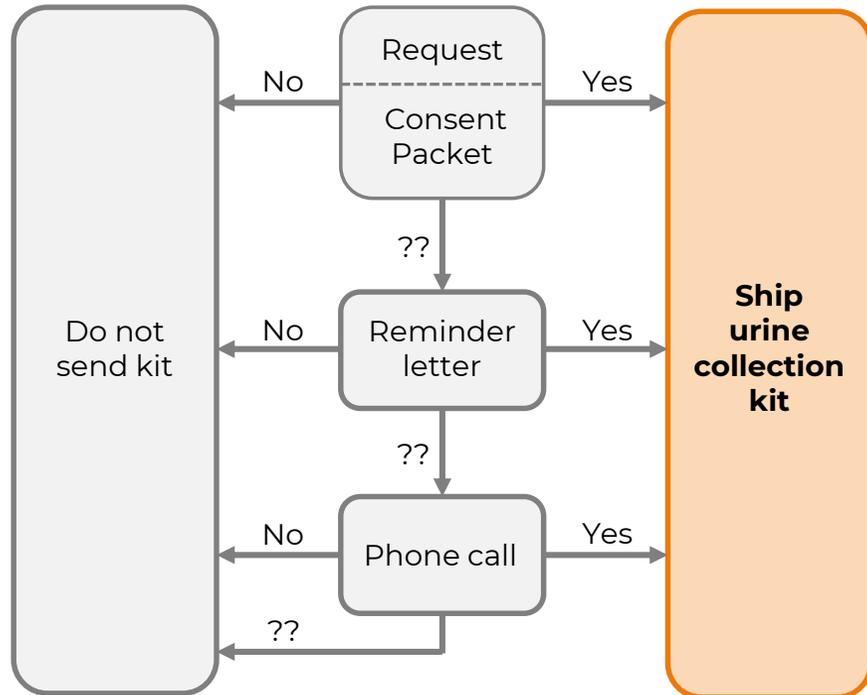
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Phone call

- ✓ Upcoming
- ✓ 9 Registrants
- ✓ Do they have any questions?
- ✓ Do they want to participate?

Shipping Urine Collection Kits



13 collection kits shipped

✓ Simulated 24-hour sample



10 samples received back

✓ Frozen until we have received all samples



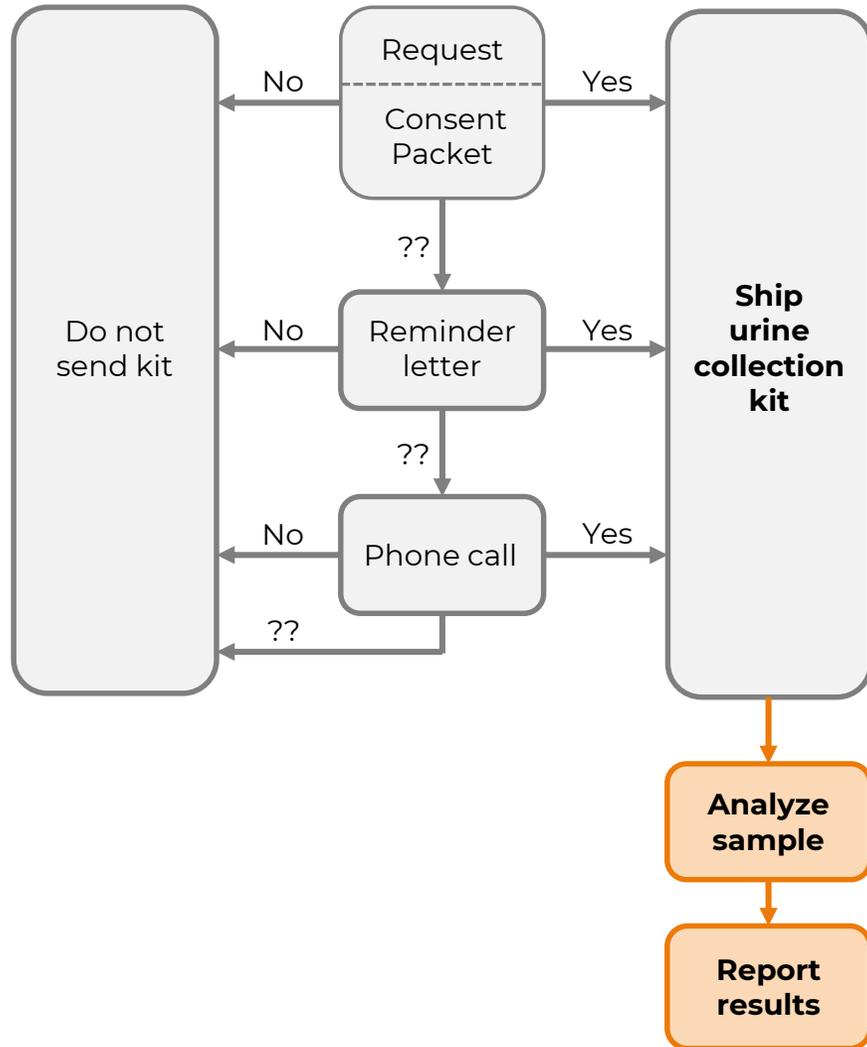
1 incomplete paperwork

✓ Interested in participating

✓ Missing informed consent or additional information



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Next steps

✓ Analyze samples
 ✓ Report results to Registrants





Thank You!

