



Registrant Statistics and IRB Changes

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*“Learning from Plutonium
and Uranium Workers”*

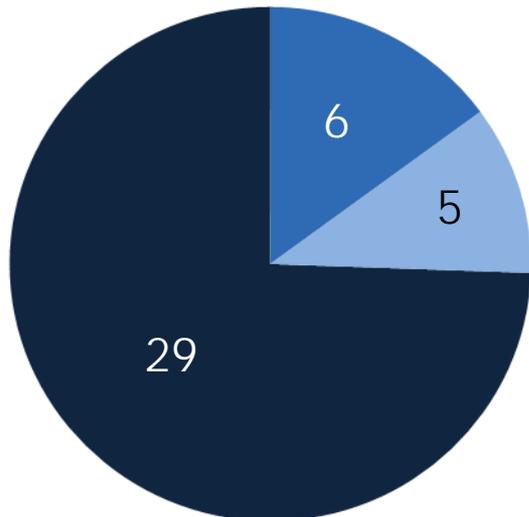




Number of Registrants

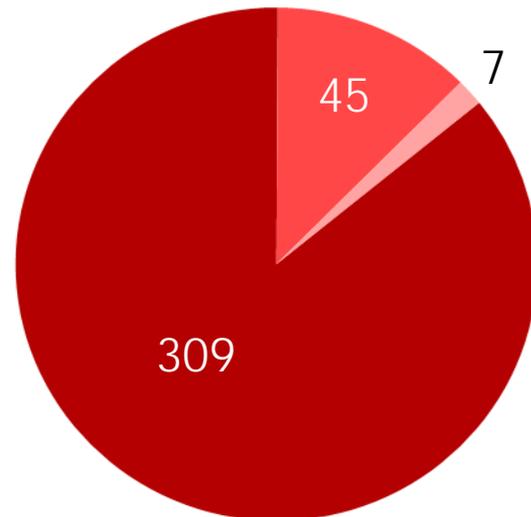
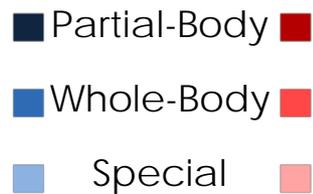
As of March 31, 2018

Living (40)



+

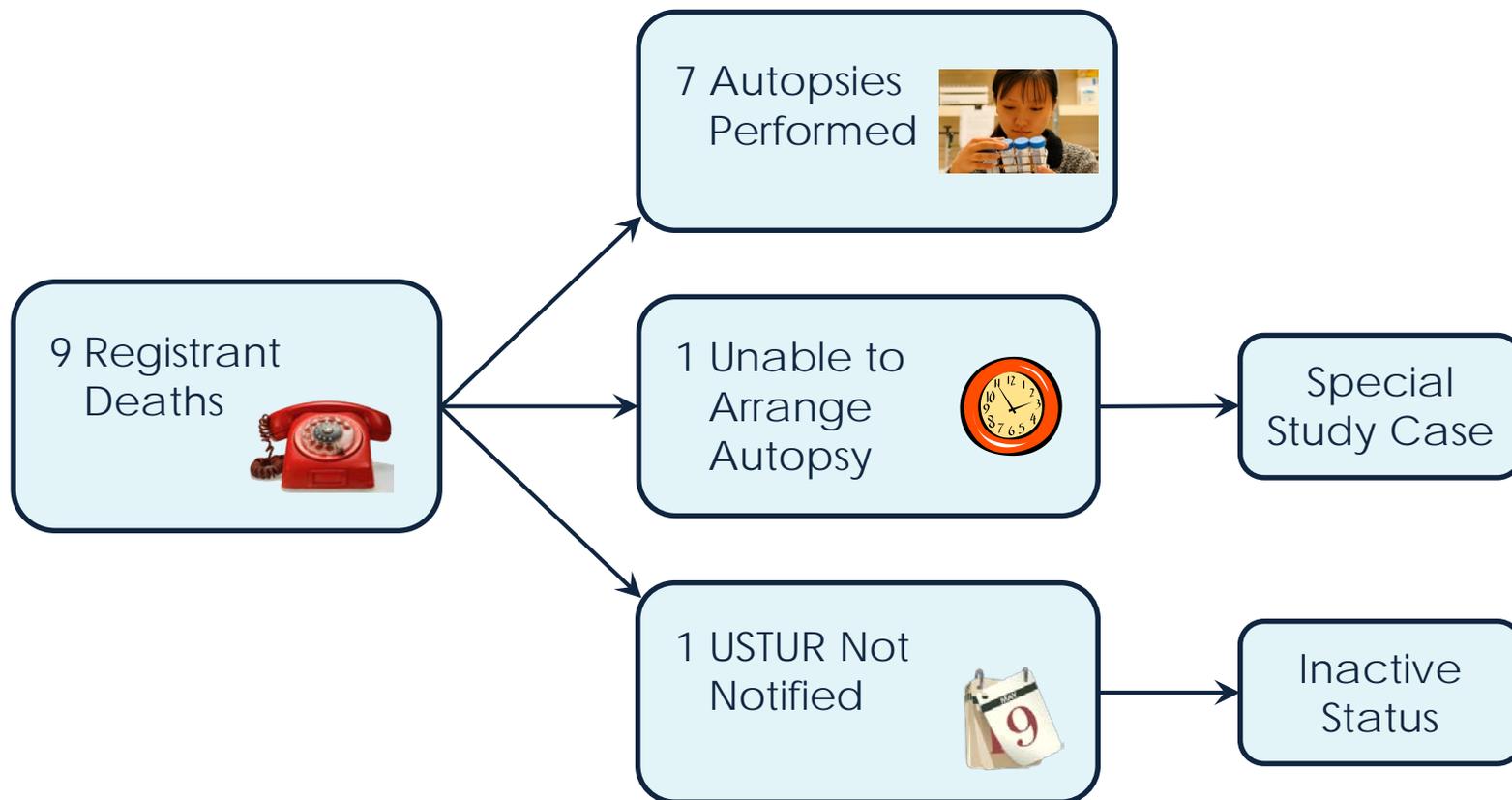
Deceased (361) = 401



Inactive Registrants: 478



In the Last Fiscal Year (April 2017 – March 2018)

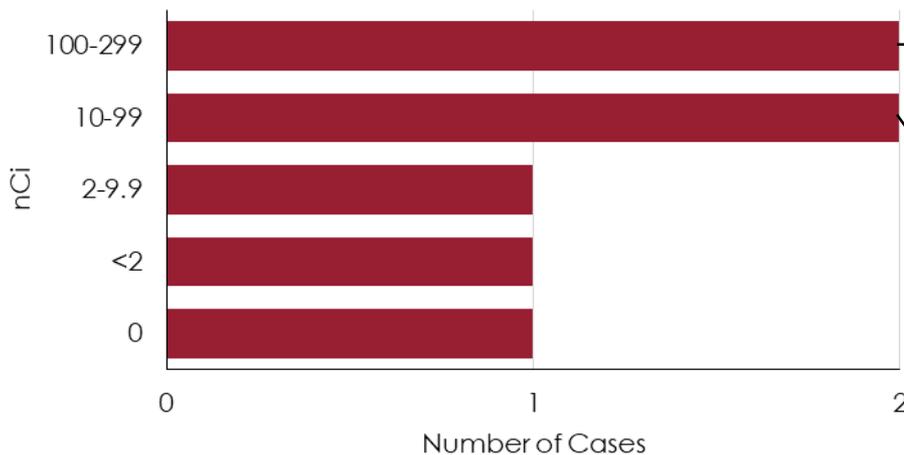


Seven Registrant Donations

2 Whole-body
5 Partial-body

4 Hanford
1 Mound
1 Los Alamos
1 Rocky Flats

Plutonium Intake (or body burden or systemic deposition!)



✓ chronic ^{238}Pu inhalation (260 nCi)
✓ ^{239}Pu acute inhalation (260 nCi)

✓ Includes 1 DTPA case (20 nCi)



Institutional Review Board

- The Central DOE IRB is now the IRB of record
- July 2017: WSU signed an Institutional Authorization Agreement, which says that WSU may rely on the Central DOE IRB for review and oversight of the USTUR
- October 2017: IRB protocol approved
- HIPAA Considerations
- We still have a WSU IRB





Post Mortem: New Registrants No Longer Accepted

- We already decline most of these
 - ✓ We have no dose records
 - ✓ There is no time to request records prior to autopsy
- Power of attorney expires at death, and post-mortem laws vary state to state
- There may be rare exceptions
 - ✓ The IRB still allows post-mortem donations



Post-mortem Donations (2008 – 2015)

Case #	Internal Actinides	External (lifetime)	Other Exposure	Qualifies as a Registrant?
A	Minimal	1.8 rem	Beryllium	No
B	No recorded intake	2.8 rem	Beryllium	Maybe, records incomplete
C	Little or none (FP)	12 rem	Be, Asbestos	Yes
D	3 nCi	19 rem	Unknown	Yes
E	No recorded intake	19 rem	Unknown	No
F	<0.5 nCi	6 rem	Be, Asbestos	No

To qualify as a Registrant...

≥ 2 nCi (74 Bq) INTERNAL, or
≥ 10 rem (0.1 Sv) EXTERNAL,
and other 'chemical' exposure.

Case D: Details of intake unknown

- ✓ Lung counts detected ^{241}Am
- ✓ 3 nCi of Pu calculated, using upper limit of 1000 ppm



Phasing out 5-year Renewals

- Registrants may become cognitively impaired as they age (due to dementia or age-related infirmities)
- One-time consent forms will be signed by
 - ✓ New Registrants, at initial consent
 - ✓ Existing Registrants, when existing consent forms expire
- Instead of 5-year renewals, we will send:
 - ✓ Medical history questionnaire, every five years
 - ✓ Reminder of the participant's previous commitment, each year



United States Transuranium and Uranium Registries

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1845 Terminal Drive, Suite 201 · Richland, WA 99354
Phone (509) 946-6870 or (800) 375-9317 · FAX (509) 946-7972

Have you moved?

Please take a moment to check that we have your correct address. If you have a new address, give us a call at 1(800)375-9317 or fill out the form below and return it in the enclosed self-addressed stamped envelope.

Thank you!



FY2018 Renewals

- One-time consent packets were sent to 9 Registrants, who were due for renewal:
 - ✓ Informed consent
 - ✓ Authority for autopsy (or use of whole body)
 - ✓ Authorization for release of records
 - ✓ Personal/medical history questionnaire



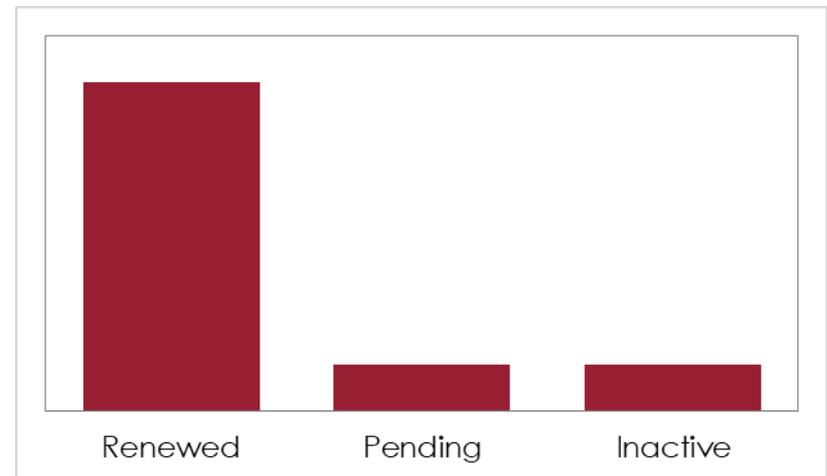
7 completed the one-time consent packet



1 has not responded



1 changed to inactive status (he passed away)





Questions?