

2014 Scientific Advisory Committee Meeting  
Courtyard Marriott, Richland, WA  
September 5-6, 2014

# Registrant Statistics



**Stacey L. McComish, M.S.**

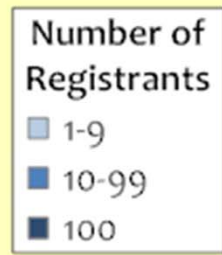
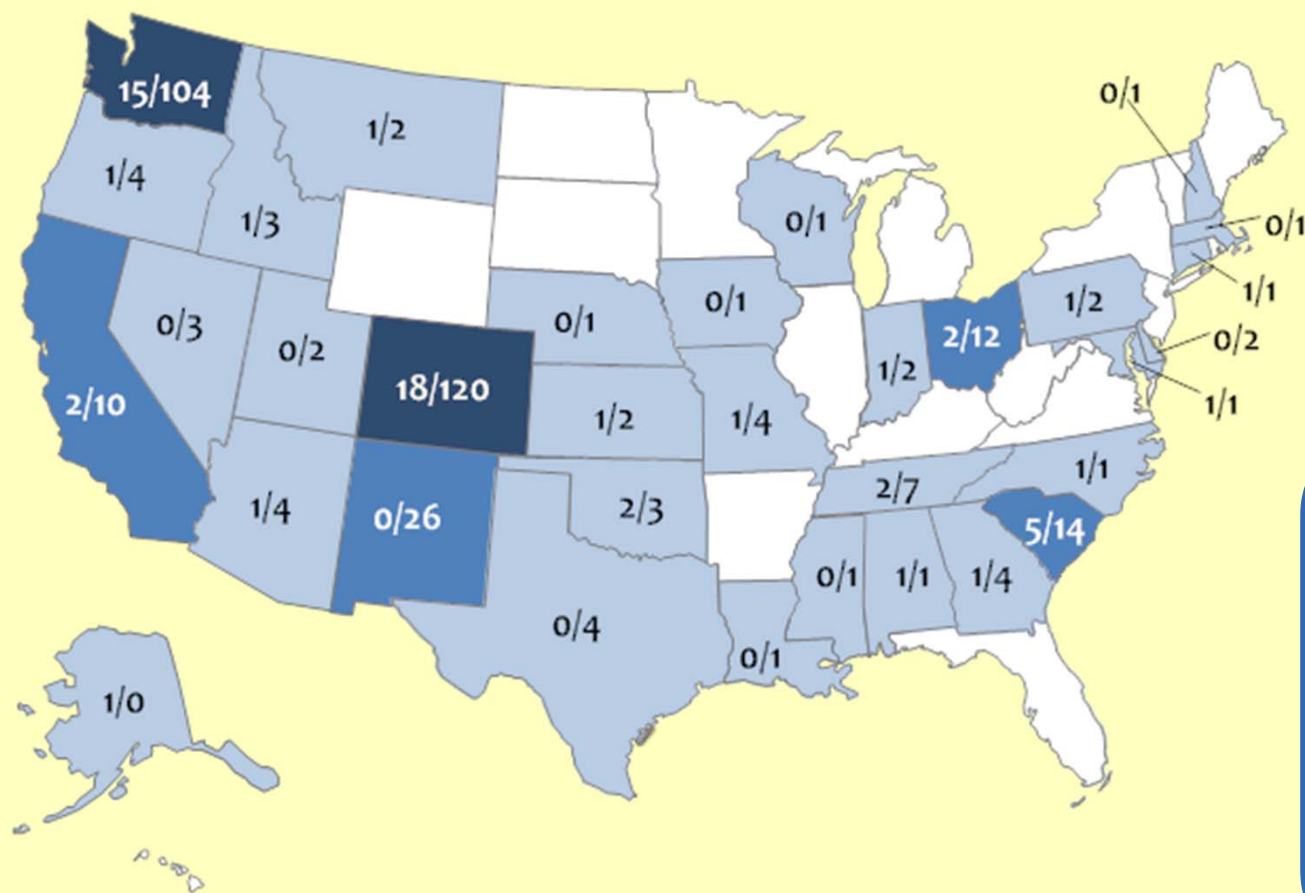
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***“Learning from Plutonium and Uranium Workers”***

# 405 Registrants from 33 States



## Primary Exposure

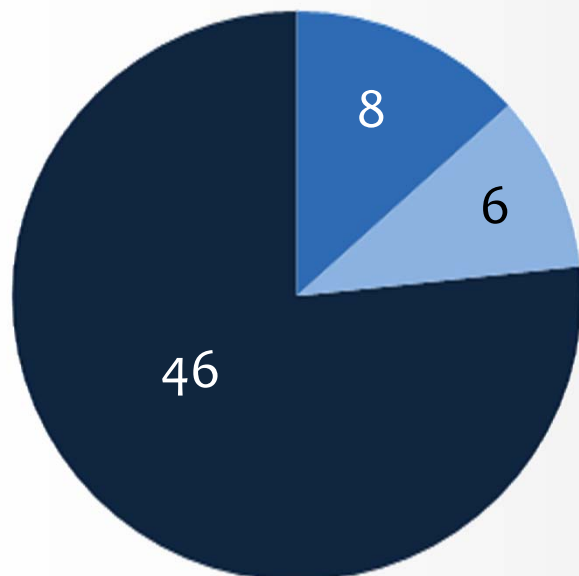
- <sup>94</sup>Pu Plutonium: 365
- <sup>92</sup>U Uranium: 32
- <sup>95</sup>Am Americium: 4
- Misc M Miscellaneous: 4



# Number of Registrants

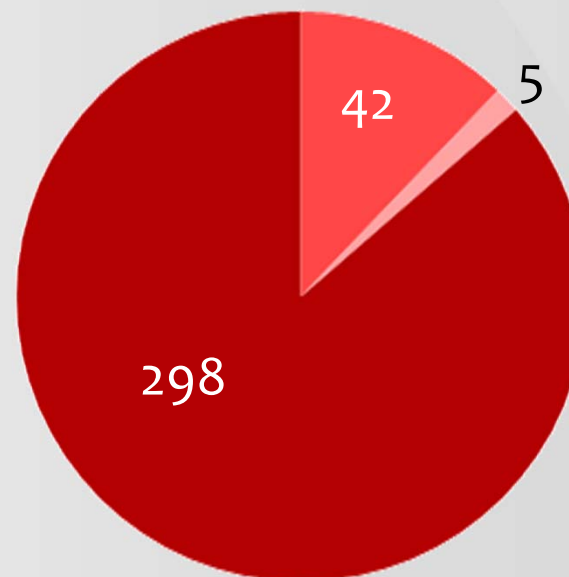
As of August 19, 2014

**Living (60)**



+

**Deceased (345) = 405**

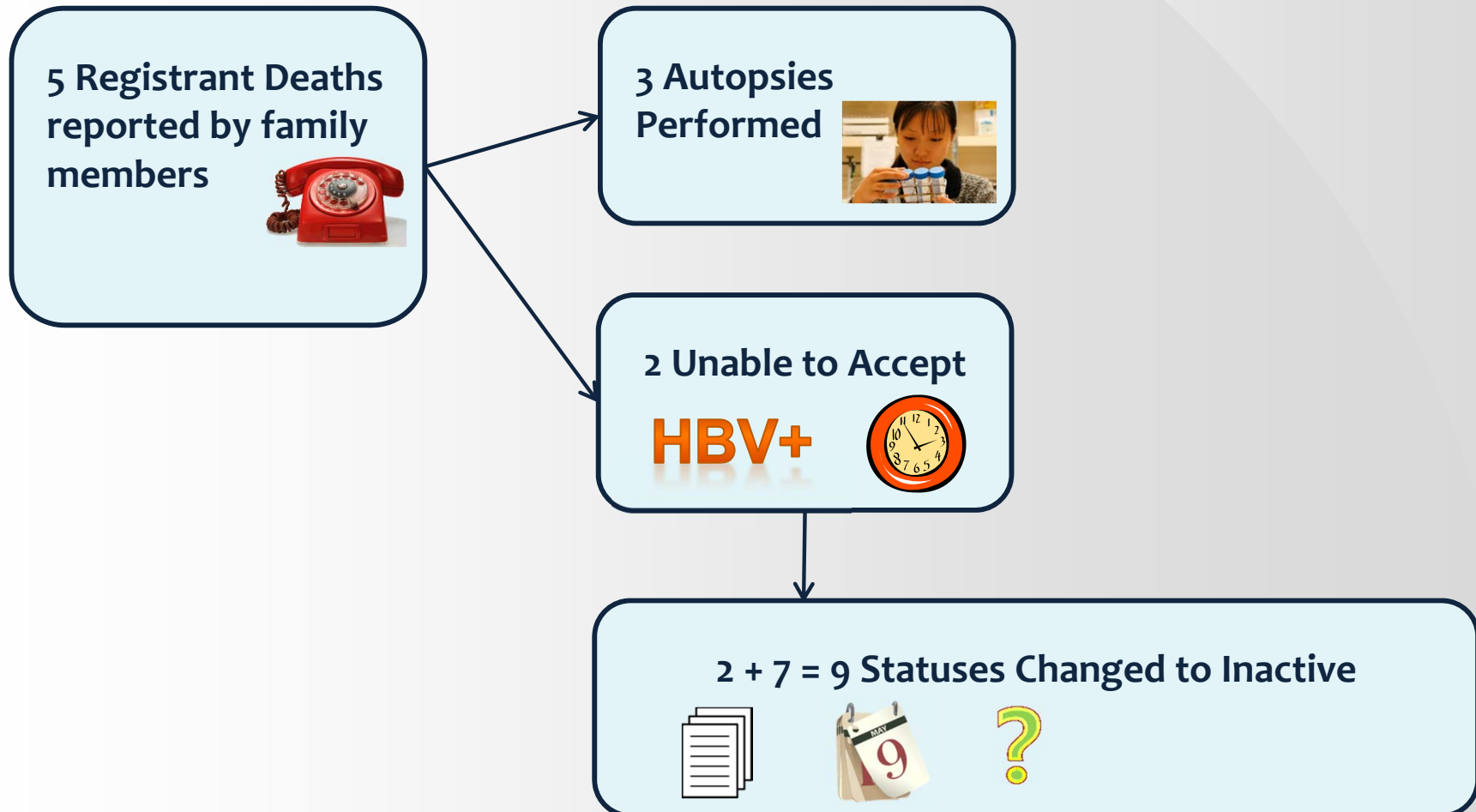


- Partial-Body
- Whole-Body
- Special

**Inactive Registrants: 472**



# Since our last Annual Meeting...



# Inactive Registrants

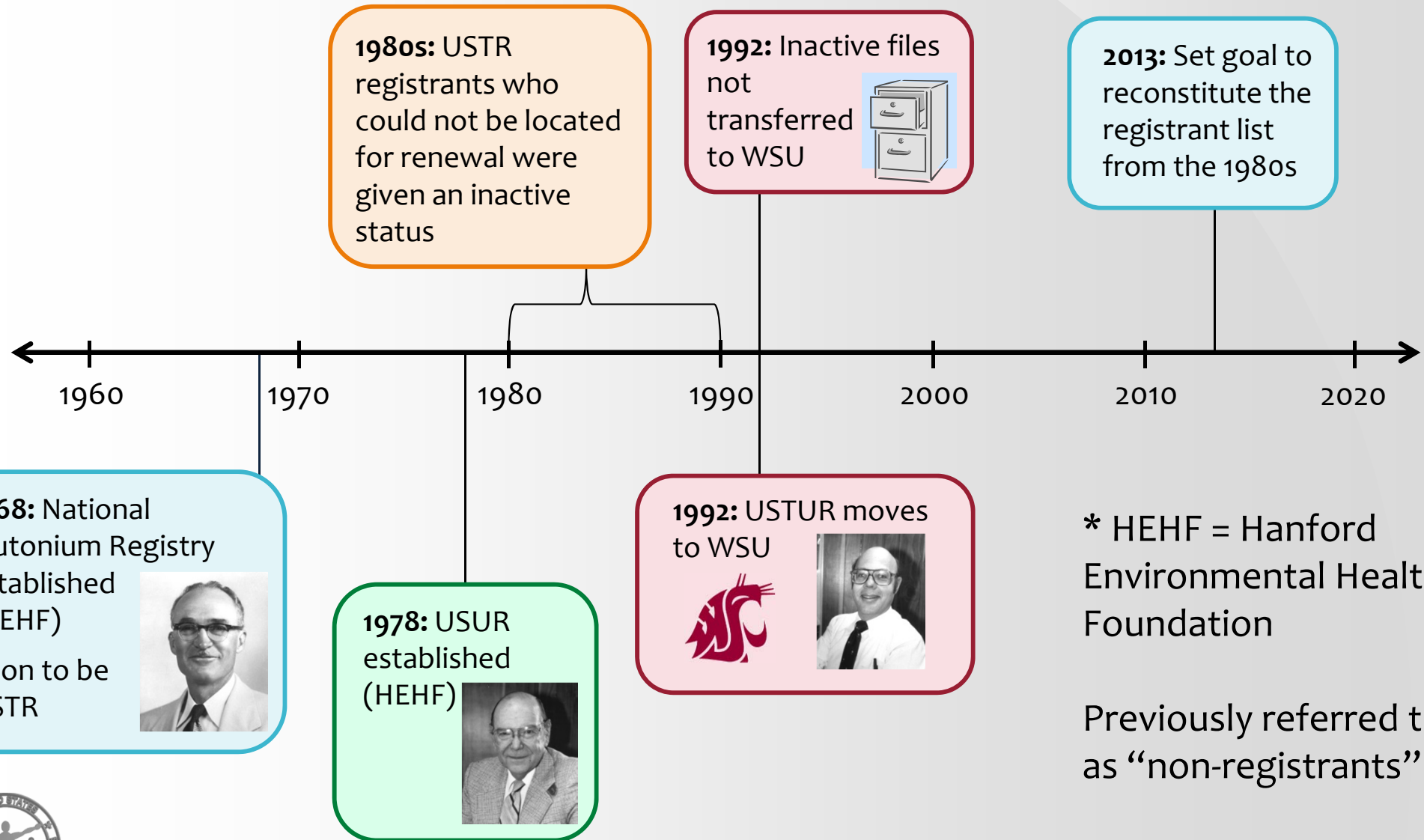
## Nine Registrants changed to Inactive.

- A variety of reasons
  - Hepatitis B positive
  - Time constraints for autopsy arrangement
  - Too much paperwork
  - Passed away without notifying the USTUR
  - Withdrew at renewal

HBV+



# HEHF Registrants Update



\* HEHF = Hanford Environmental Health Foundation

Previously referred to as “non-registrants”



## The Hunt for the Black Binder

- Bob Bistline's binder, which contains lists of workers who signed autopsy agreements
- Office of Legacy Management (Rocky Flats records)
  - ✓ No binder, but...
  - ✓ A list of registrants dated 1981
- Found in the USTUR library!



## Reconstructing the Registrant List

- 565 HEHF registrants were added to our administrative database
  - ✓ Black binder
  - ✓ Various historical lists
- When calls are received, we can quickly determine if the worker was a registrant under the HEHF program
- Two calls received
  - ✓ Declined: the deceased was not a registrant
  - ✓ Accepted: “New” registrant donation





# Registrant Death #1

## Case 0804 – Whole-Body

- HEHF Registrant
- Plutonium work: 37 years
- Inhalation: 3 nCi of Pu-239
- Cause of death: heart disease



## Registrant Death #2

### Case 0814 – Partial-Body

- Was employed at six nuclear sites over the course of 35 years.
- 2 nCi inhalation of plutonium
- Possible external exposure
- Cause of death: pulmonary embolism



## Registrant Death #3

### Case 0343 – Whole-Body

- Worked with plutonium and uranium for 39 years
- Possible Pu-239 inhalation (1958): high airborne concentrations, but no follow up bioassays to confirm intake
- Pu-239 detected in urine (1971): but not confirmed by subsequent bioassays
- Lung cancer (bronchial carcinoma)



## Registrant Renewals in FY2014-15

New permission forms must be signed every 5 years

- 27 Renewal Packets sent
- 21 Renewed successfully (FY2014)
  - ✓ 2 Whole-body
  - ✓ 19 Partial-body
- 6 Inactive (all partial-body)
- 14 Registrants are due for renewal in FY2015
  - ✓ 2 Whole-body
  - ✓ 12 Partial-body



# Questions?