**ID WEEK 2022** 

# Pneumonia in Patients who Inhale drugs, experience in a tertiary care hospital Madhu Suryadevara MD, Eliahu Bishburg MD, Sandhya Nagarakanti MD, Krushna Amin MD, Eguono Ejayeriese MS4

## BACKGROUND

- Drug Use (DU), specifically Inhalation Drug Use (IHDU) has been increasing in the USA
- Drug Use is associated with various infectious disease complications including pneumonia. This has been linked to smoking drugs and Intravenous Drug Use (IDU) but not much data exists for IHDU.
- IHDU associated respiratory infections has not been well described.
- Limited studies evaluated the relation of IHDU with Community Acquired Pneumonia (CAP).

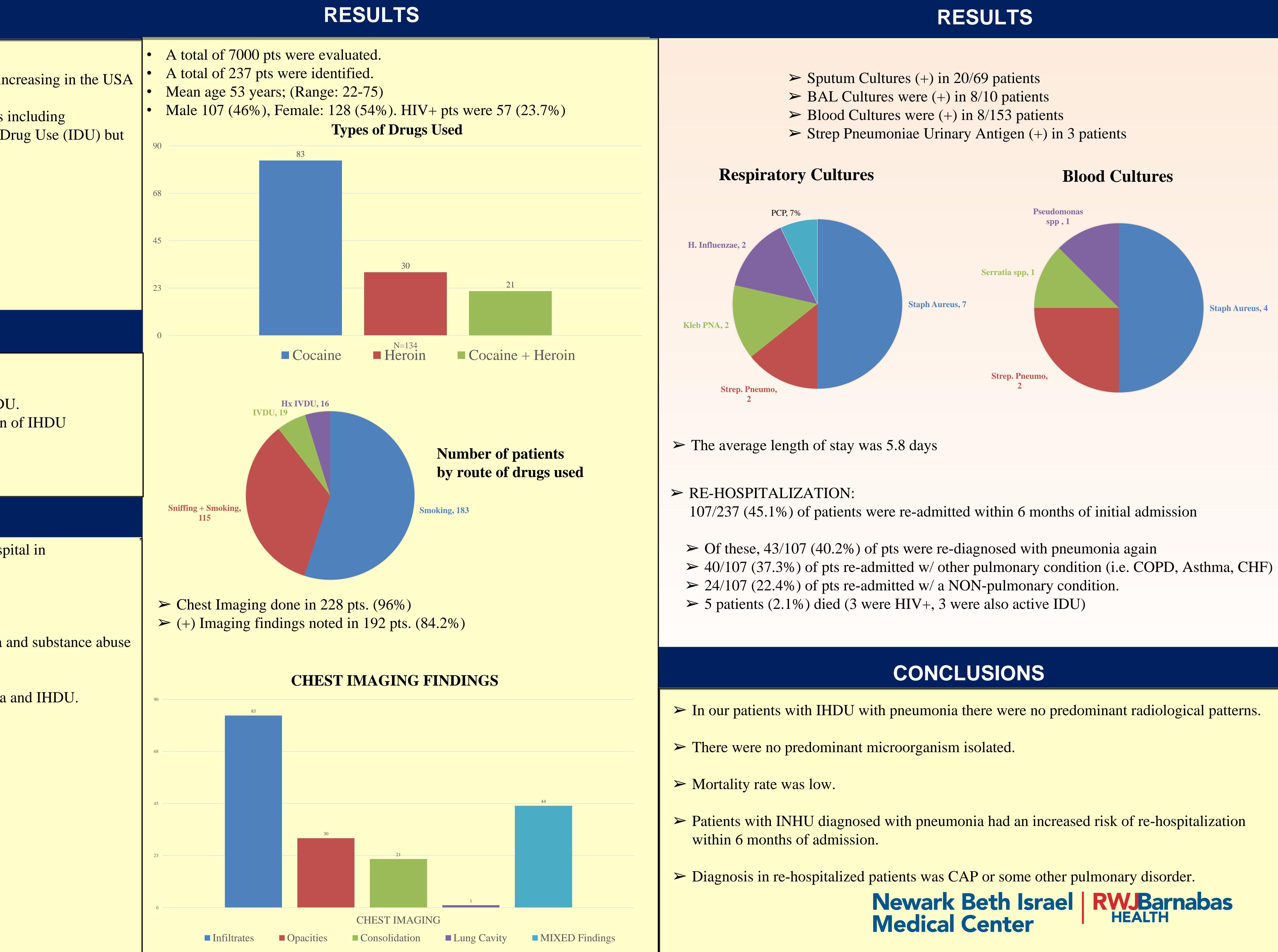
### OBJECTIVES

- $\succ$  To describe our experience with pneumonia associated with IHDU.
- $\succ$  To identify organisms associated with pneumonia in a population of IHDU
- $\succ$  To evaluate the impact of IHDU on re-admission rates
- $\succ$  To describe re-admission diagnoses in this population

### METHODS

- ➤ Retrospective chart review of patients at a tertiary care teaching hospital in Newark, New Jersey
- ➤ Study Period: 2015-2021
- $\succ$  Charts of patients admitted with an ICD-10 diagnosis of pneumonia and substance abuse were evaluated
- > We included patients admitted with community acquired pneumonia and IHDU.
- $\succ$  Data was collected for:
  - ≻ Age
  - ➤ Type of Drug Use
  - ➤ Route of Drug Use (Inhalation, Smoking, Intravenous, Oral)
  - $\succ$  Co-morbidities
  - Etiological diagnosis
  - $\succ$  Radiological results
  - ➤ Hospital Outcome, Mortality
  - ► Readmission Data
- $\succ$  Adult patients >18 years were included.

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