

Date, 08/30/2022

- Minidoka Memorial update
- Speakers: Wesston Faux PharmD  
& Nick Barker PharmD

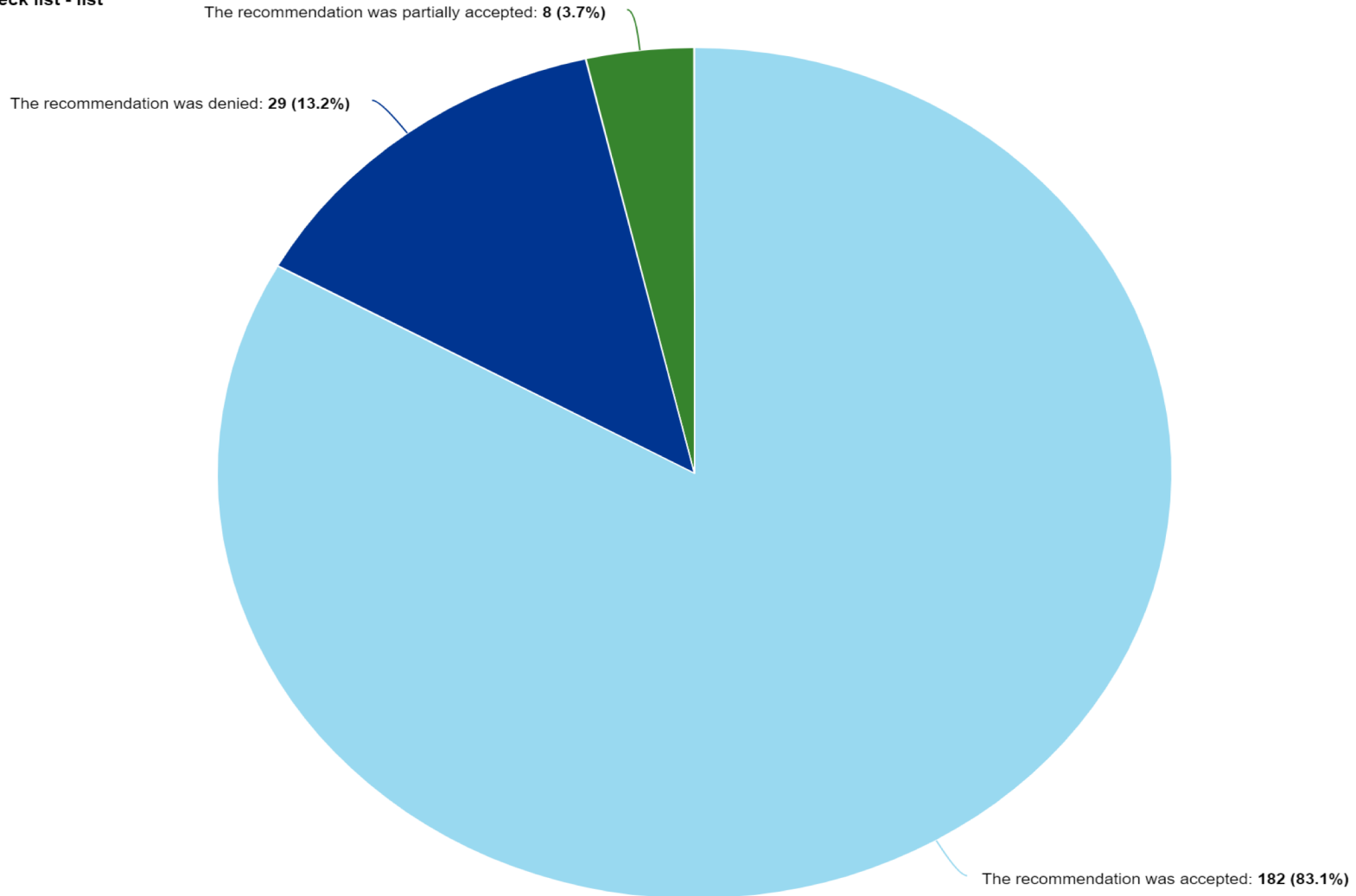
# What we're about at MMH

- 25 bed CAH in Rupert, Idaho
  - ED, Surgery, Medical, Long term care
- Antibiotic Stewardship Highlights
  - Very effective daily audit and feedback with hospitalists
    - Started in 2020
    - 7 on 7 off schedule with hospitalist and auditing pharmacist
    - Record all recommendations in document management system
  - 228 Recommendations in 2 years
    - 183 accepted (84.2%)
    - 8 partially accepted (3.6%)
    - 29 denied (12.2%)



# Audit and Feedback Results

Check list - list

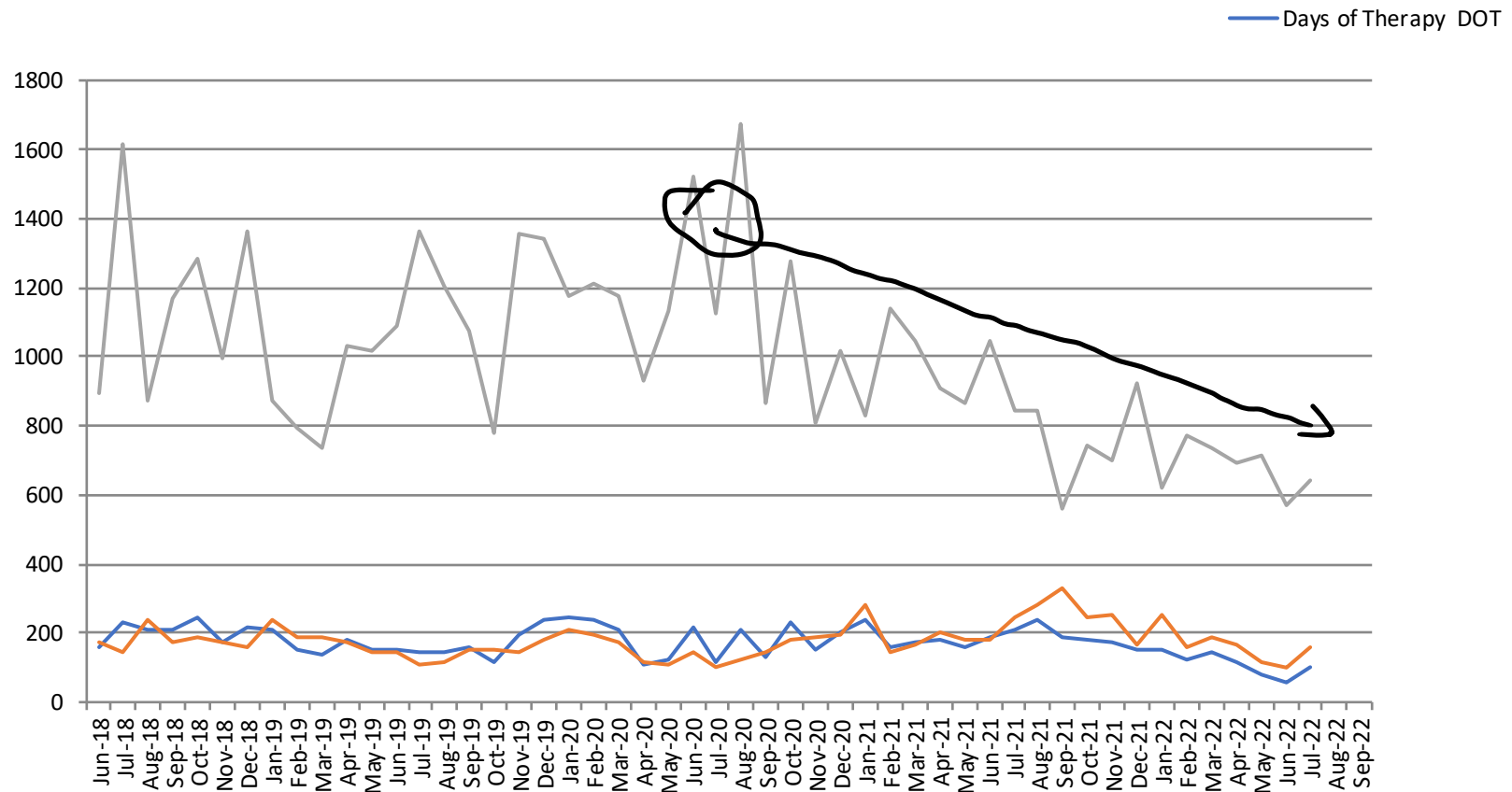


# Days of Therapy

- Started tracking in 2018
- Started audit and feedback in June 2020
- Nick started June 2020
- Wesston Jan 2021



# Days of Therapy Results



# Zosyn Reduction

- Zosyn Report developed
  - Good indicator of abx de-escalation
- 2019
  - 438 total patient days of zosyn
- 2020
  - 368 days (16% Reduction)
- 2021
  - 358 days (18% Reduction)
- 2022
  - 139 days so far
  - On track for 211 days this year
  - This represents a **52%** reduction in 3 years



# ASB Cohort

- 1<sup>st</sup> step – UA Reflex Rate
  - Lab collaboration
    - Urine Reflex Results
      - 405 total UA's in 3 months 10/2021 – 12/2021
        - 168 reflexed to culture
        - 237 not
        - 41.4% Reflex Rate



# ASB Cohort

- 2<sup>nd</sup> Step – Data Harvest
  - Data harvesting process
    - Teamwork required
    - Students are key!
      - IT developed a report

## *Urine Testing*

Collection Date	Test Code	MRN	Episo de No	Name	Result DT	Result	Unit Code	Ordering Provider Name
8/26/2022 10:38 AM	B-HCG Urine-QL	90987	0016	[REDACTED]	8/26/2022 10:37 AM		ED	[REDACTED]
8/26/2022 8:47 AM	CREAT URINE	17857	0120	[REDACTED]	8/26/2022 8:47 AM			[REDACTED]
8/25/2022 4:40 PM	B-HCG Urine-QL	85869	0005	[REDACTED]	8/25/2022 4:57 PM	Negative	ED	[REDACTED]
8/25/2022 4:30 PM	CU URINE w/cc	19633	0042	[REDACTED]	8/25/2022 4:58 PM		ED	[REDACTED]
	CU URINE w/cc	60866	0008	[REDACTED]	8/25/2022 4:29 PM			[REDACTED]





# ASB Cohort

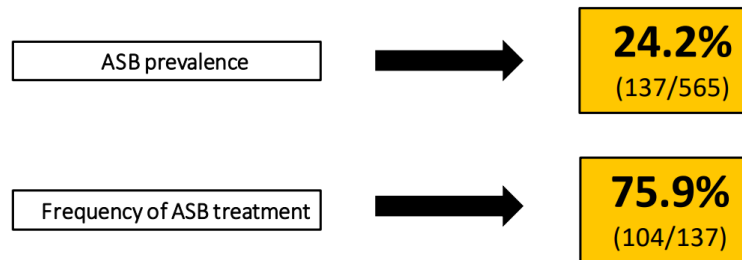
- Data harvest cont'd
  - Data collection tool
    - Filled out approximately 105 cases
  - Personnel participation
    - Pharmacist
    - Infection Control
    - Students



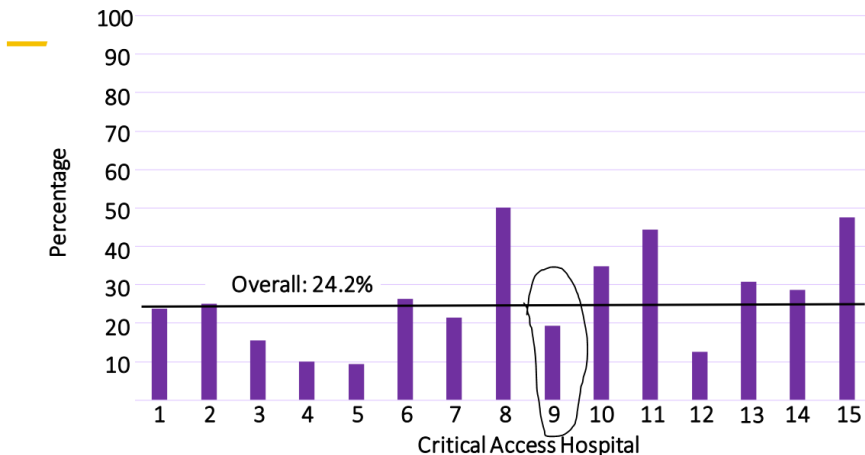
# ASB Cohort

## Prevalence and Treatment Rates of ASB

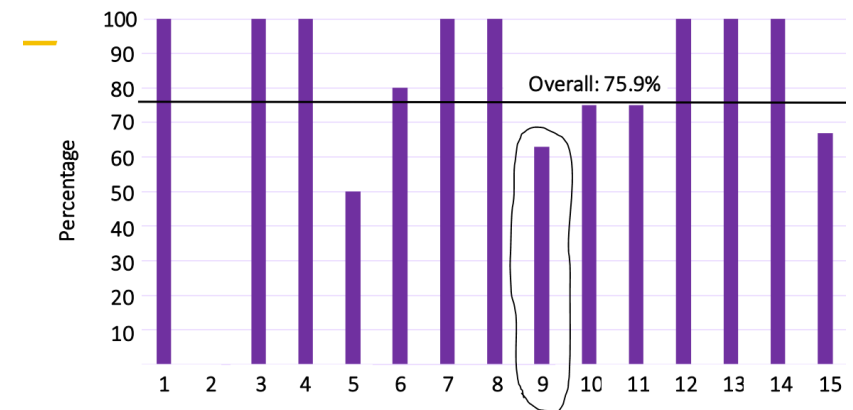
Study population, n = 1,087



## Prevalence of ASB at your Sites



## Treatment Rate of ASB at your Sites



# ASB Cohort

- ASB Treatment rate
  - 62%
  - Below average but large room for improvement
- Taking data to individual providers
  - ED and Hospitalists
  - Sharing our goal to lower this number
  - Good relationships key to success
- Hopefully compare data at a later date and show improvement



# ASB Cohort - Surgery

- Minidoka Memorial Hospital does 100 surgeries per month.
  - Doctor of Nursing candidate spearheading project
  - Of those screened, if positive, they get antibiotics.
    - Total joint replacement
    - General surgery
- ASB is treated 100% of the time
  - Orthopedic Surgeon is a tough cookie
- Pregnancy, UTI, and Urological surgery excluded.



# ASB Cohort – Surgery

- Project AIMS
  - To develop and implement an evidenced-based antibiotic stewardship plan.
  - To compare the number of patients treated for AB prior to and after intervention.
  - To evaluate the incidence of post-operative surgical site infection in prior to and after intervention.



# ASB Cohort – Surgery

- Project Methods(Design)
  - Develop evidenced-based flowsheet.
  - DNP student and team will develop.
  - Training session for surgical department committee.
    - Happening tomorrow (8/31)
  - Project has been approved by QI and Chief of Surgery.



# ASB Cohort – Surgery

- Data Collection/  
Data Evaluation
  - Baseline data from chart reviews.
  - Flowsheet development and implementation.
  - Statistical testing for evaluation.
  - Results will be compared to baseline data.



- QUESTIONS?

