



## STATE HOSPITAL BED CAPACITY, UTILIZATION, AND CURRENT BUILDING USE

*Acute Psychiatric Treatment Committee  
Representative Jon Nelson, Chair  
October 25, 2021*

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*Rosalie Etherington, Chief Clinics Officer/NDSH Superintendent*

NORTH  
**Dakota**  
Be Legendary.™

Human Services

# NORTH DAKOTA STATE HOSPITAL

ACUTE, SUBACUTE AND SPECIALIZED

Acute inpatient services

Subacute inpatient services

Rehabilitative inpatient services

Specialized residential services

Specialized outpatient services

# NORTH DAKOTA STATE HOSPITAL

## INPATIENT SERVICES

### Acute



- Jamestown region
- Devils Lake region
- Jail settings

### Subacute



- Hospital transfers

### Specialized



- Psychiatric Rehabilitation
- Forensic Assessment
- Restoration Treatment

# NORTH DAKOTA STATE HOSPITAL

## SPECIALIZED RESIDENTIAL AND OUTPATIENT SERVICES

### Residential



- SUD Treatment
- Sex Offender Treatment
- Transitional Living

### Outpatient



- SUD Day Treatment
- Adult forensic assessment
- Youth forensic assessment
- Restoration Treatment

# NORTH DAKOTA STATE HOSPITAL

## HOSPITAL AND RESIDENTIAL ADMISSION TYPES



# ACUTE HOSPITAL

## Meet Sean



- 27-year-old jail resident
- Starved self over series of months
- Came to NDSH at 100 pounds
- Extreme state of dehydration
- Acute liver injury
- Muscle atrophy
- Refusing food and water
- Severe bed sores
- Unbathed and feces covered
- NDSH initiated tube feeding
- Emergency guardian sought
- Bed side observation initiated
- Periodic restraint to prevent harm
- Antipsychotic medications prescribed
  
- Months to restore stability and weight

# REHABILITATIVE HOSPITAL

## Meet Adam



- 24-year-old college male
  - Becomes reclusive and paranoid
  - Became religiously preoccupied
  - 12-hour stand-off with police
  - Bizarre behaviors led to hospital
  - 2-year rehabilitative hospitalization
  - 2:1 to prevent assaults
  - Periods of waxy catatonia
  - 8 failed antipsychotic medication trials
  - 9<sup>th</sup> medication trial and ECT successful
  
  - Living independently
  - Works full time
-

# FORENSIC HOSPITAL

## Meet Sherry



- 38-year-old female with full guardian
- Experiences personality and mood disorder
- Experienced 48 periods of hospitalization
- 263 assaults against hospital staff
- Periodically lives independently
- Residential placements have all failed
- Currently serving jail sentence for assault
- New charges for assault against police
- Admitted to NDSH and jail refuses return
- Restoration to competency treatment
- Mood stabilizing medications prescribed

“You need to  
take your  
patient now”

Private hospital CEO



# COMPLEX CARE NEEDS

## MEET MARY

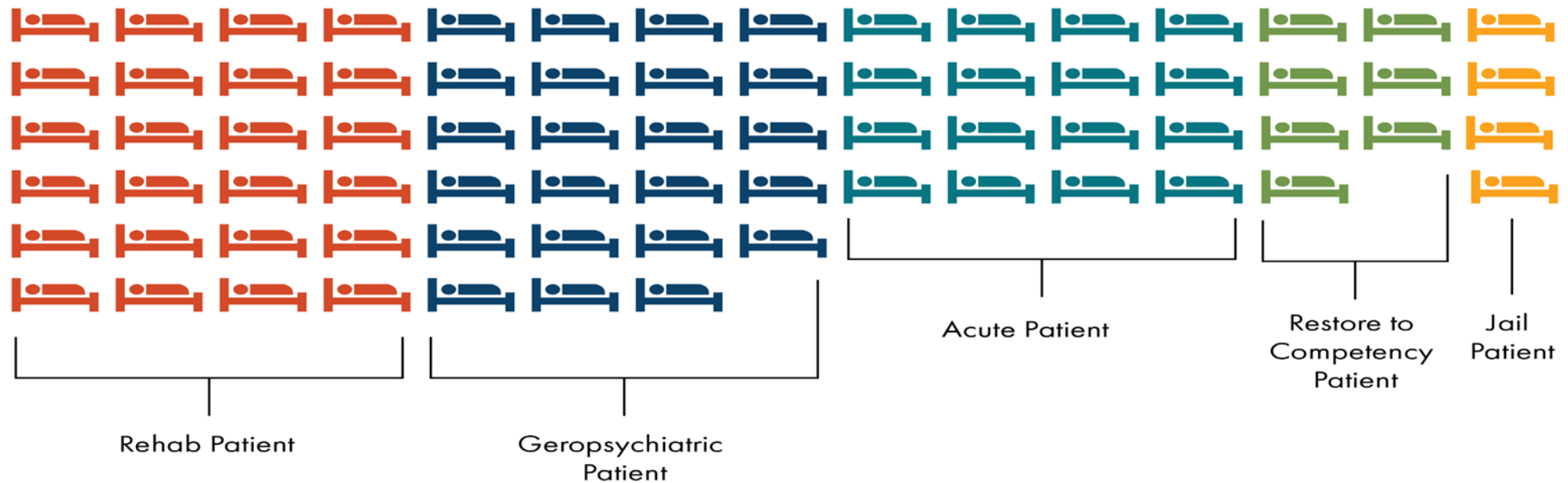


- 74-year-old woman with life-long schizophrenia
- Lived on her own with assistance
- Symptoms worsened with age
- Alcohol use worsened
- Hospitalized at NDSH
- NDSH diagnosed terminal cancer
- Treated and discharged with supports
- Hospice initiated and then refused services
- Re-hospitalized at NDSH
- Nursing homes refuse care
- Hospice refuses care

# NORTH DAKOTA STATE HOSPITAL

## INPATIENT SNAPSHOT

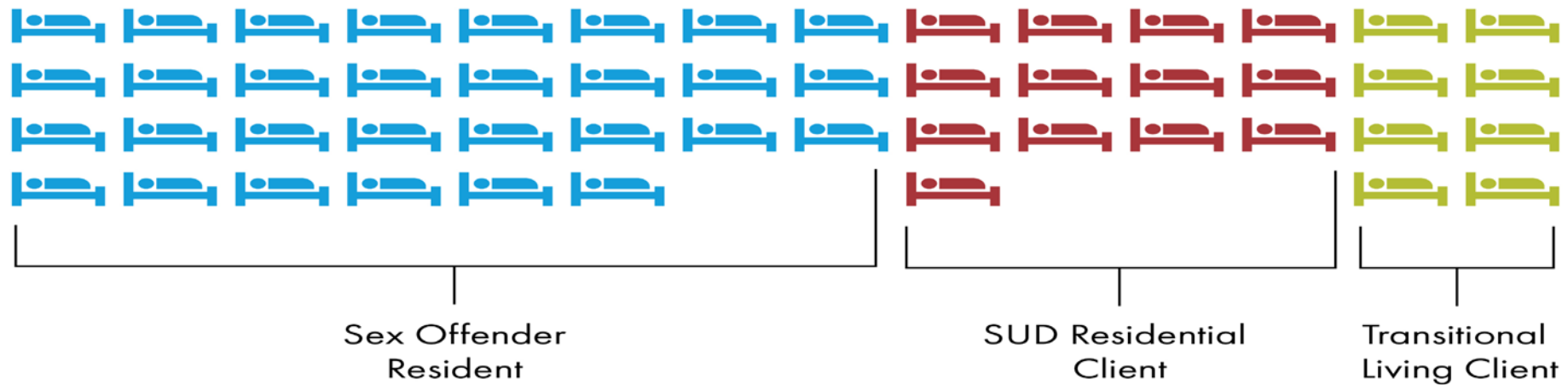
### INPATIENT SETTING



# NORTH DAKOTA STATE HOSPITAL

## RESIDENTIAL SNAPSHOT

### RESIDENTIAL SETTING



# FUTURE CAPACITY AND UTILIZATION NEEDS

## STATE EFFORTS TO REDUCE STATE HOSPITAL DEMAND

- Screening for all state hospital admissions
- Community service expansion
- Intensive community treatment expansion
- Robust statewide crisis system developed
- SUD residential service expansion
- Contract for local private hospital beds
- Geropsychiatric skills nursing facilities
- Tele-forensic assessments

# FUTURE CAPACITY AND UTILIZATION NEEDS

## DEMANDS FOR STATE HOSPITAL SERVICES INCREASING

- Psychiatric hospital beds full statewide
- Daily emergency department psychiatric diversion
- Monthly complaints requesting cancellation of discharges
- Record high court ordered services
- Repeated requests for adolescent admissions
- Increased hospitalization of jail residents
- Critical healthcare worker shortages

# A NEW TREATMENT CAMPUS

Safer  
More Efficient  
Better Care



# Lahaug Building

(Continued Use)



- Asbestos **Yes**
- Lead Paint **No**

## Building Summary

- Mental Health Program
- 132,369 sq ft
- Year: 1984
- Immediate Deferred Maintenance = \$16.5M
  - ✓ *Electrical infrastructure*
  - ✓ *Hot water distribution system*
  - ✓ *Exterior doors & security system*
  - ✓ *Environmental control systems*



- **Asbestos**    **Yes**
- **Lead Paint**    **Yes**

## Building Summary

- Addiction Treatment, Vocation
- 72,524 sq ft
- Year: 1968
- Immediate Deferred Maintenance = \$6.75M
  - ✓ *Electrical distribution systems*
  - ✓ *Roofs, windows, exterior shell*
  - ✓ *HVAC systems*
  - ✓ *Environmental control systems*





- **Asbestos**     **Yes**
- **Lead Paint**   **Yes**

## Building Summary

- Sex Offender Housing
- 86,670 sq ft
- Year: 1956
- Immediate Deferred Maintenance = \$10.25M
  - ✓ *Steam system infrastructure*
  - ✓ *Hot & cold-water distribution*
  - ✓ *Steam converter system*
  - ✓ *Environmental control systems*
  - ✓ *HVAC-Unit ventilator systems*
  - ✓ *Fire alarm system*

# Transitional Living

(Continued Use)



- Asbestos **Yes**
- Lead Paint **Yes**

## Building Summary

- Residences, 7 total
- 22,784 sq ft total
- Years: 1954, 1957
- Immediate Deferred Maintenance = \$160K
  - ✓ HVAC systems
  - ✓ Plumbing systems
- ✓ Interior finishes

# Swimming Pool

(Continued Use)



- **Asbestos**     **Yes**
- **Lead Paint**   **Yes**

## Building Summary

- Swimming Pool
- 6,800 sq ft
- Year: 1967
- Immediate Deferred Maintenance = \$1.94M
  - ✓ *Steam distribution system*
  - ✓ *Pool ventilation system*
  - ✓ *Pool water/filter systems*
  - ✓ *Roofs, windows, exterior shell*
  - ✓ *Environmental control systems*

# Learning Resource Center

(Continued Use)



- Asbestos **Yes**
- Lead Paint **Yes**

## Building Summary

- Patient Programming, Staff Spaces
- 40,800 sq ft
- Year: 1916
- Immediate Deferred Maintenance = \$5.25M
  - ✓ *Steam distribution systems*
  - ✓ *HVAC systems*
  - ✓ *Chilled water distribution*
  - ✓ *Roofs, windows, exterior shell*
  - ✓ *Environmental control systems*



- Asbestos **Yes**
- Lead Paint **Yes**

## Building Summary

- Plant Services Department
- 39,990 sq ft
- Year: 1930
- Immediate Deferred Maintenance = \$6.32M
  - ✓ *Steam system infrastructure*
  - ✓ *Hot & cold-water distribution*
  - ✓ *Sanitary Sewer*
  - ✓ *Steam converter system*
  - ✓ *Environmental control systems*
  - ✓ *Windows & doors*
  - ✓ *Fire sprinkler system*

# Administration Building

*(Demolition)*



- **Asbestos**    **Yes**
- **Lead Paint**    **Yes**

## Building Summary

- Unoccupied
- 24,675 sq ft
- Year: 1916
- Immediate Deferred Maintenance = \$3.0M
  - ✓ *Demolition of building. All building systems need significant upgrades that are cost prohibitive (electrical, heating, mechanical, roofs, windows, exterior shell and life safety systems)*

# EMPLOYEES Building

*(Demolition)*



## Building Summary

- Vacant building
  - 35,345 sq ft
  - Year: 1952
  - Estimated Deferred Maintenance = \$1.06M
- 
- **Asbestos**     **Yes**
  - **Lead Paint**   **Yes**



### Building Summary

- Unoccupied
- 13,140 sq ft
- Year: 1961
  - ✓ *Demolition of building. All building systems need significant upgrades that are cost prohibitive (electrical, heating, mechanical, roofs, windows, exterior shell, ADA accessibility, and life safety systems)*

- Asbestos **Yes**
- Lead Paint **Yes**



# Additional Buildings

*(Continued Use)*

## Old Dairy Barn



### Building Summary

- Cold storage
- 26,720 sq ft total
- Years: 1925
  
- **Asbestos** **Yes**
- **Lead Paint** **Yes**

## Water Treatment



### Building Summary

- Mason Shop
- 7,600 sq ft total
- Years: Unknown
  
- **Asbestos** **Yes**
- **Lead Paint** **Yes**

## White Warehouse



### Building Summary

- Cold storage
- 6,200 sq ft total
- Years: 1929
  
- **Asbestos** **Yes**
- **Lead Paint** **Yes**

# Additional Buildings

*(Continued Use)*

## Implement Shed



### Building Summary

- Cold storage
- 5,370 sq ft total
- Years: 1926
- **Asbestos** Yes
- **Lead Paint** Yes

## Motor Vehicle Maintenance Shop



### Building Summary

- Maintenance shop
- 4,650 sq ft total
- Years: 1949
- **Asbestos** Yes
- **Lead Paint** Yes

## Grounds Department



### Building Summary

- Grounds department
- 3,200 sq ft total
- Years: 1956
- **Asbestos** No
- **Lead Paint** Yes

# Additional Buildings

*(Continued Use)*

## Rec. Quonset



### Building Summary

- Cold storage
- 3,030 sq ft total
- Years: 1965

## Ground Department Warehouse



### Building Summary

- Cold storage
- 2,755 sq ft total
- Years: 1917
- **Asbestos** No
- **Lead Paint** Yes

## Greenhouse



### Building Summary

- Cold storage
- 1,800 sq ft total
- Years: 1984

# Additional Buildings

*(Continued Use)*

## Electrical Substation



### Building Summary

- Main electrical substation for campus, houses generator as well
- 1,800 sq ft total
- Years: 1984

## Pump House



### Building Summary

- Domestic water pressure pumping station for city water
- 1376 sq ft total
- Years: 2000/2003 addn.
- **Asbestos Yes**
- **Lead Paint Yes**

## Sewage Lift Station



### Building Summary

- Sanitary sewer lift station to link up with city wastewater treatment system piping
- 800 sq ft total
- Years: 1958

# Additional Buildings

*(Continued Use)*

Power Plant  
Smokestack



## Building Summary

- Smokestack for central heating plant
- No sq ft total
- Years: 1981(stack)

Garages



## Building Summary

- Two double garages
- 1360 sq ft total
- Years: 1957, 1988

Supt.'s House



## Building Summary

- Historical home
- 3900 sq ft total
- Years: 1917
- **Asbestos Yes**
- **Lead Paint Yes**

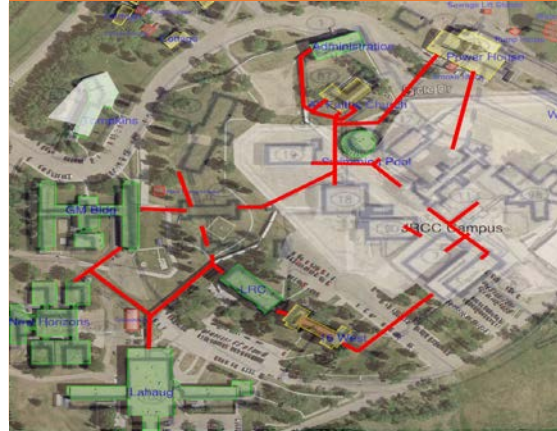
## Water Tower



### Building Summary

- Unused
- Poses a safety and risk liability and should be taken down

## Tunnel Connectors



### Building Summary

- Most buildings in the NDSH campus and even the adjacent JRCC have tunnels
- A large amount of traffic is seen daily
- Often include heating, electrical, security infrastructure run along ceiling or walls
- Asbestos **Yes**

## Hard Surfaces



### Building Summary

- The campus has numerous driveways, parking lots, sidewalks, and building connectors.
- Require upkeep for safety and accessibility

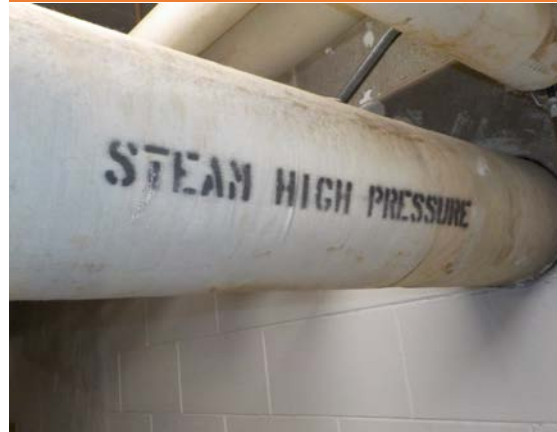
## Campus Electrical Distribution



### Building Summary

- Electrical service for campus varies from original to the last decade
- Majority is aged
- Major changes to building usage could require updating system & layout

## Steam Distribution



### Building Summary

- All heating is distributed to the buildings via steam piping and then returned to the heating plant for reheating
- Majority is aged
- Major changes to building usage could require updating system & layout

## Sanitary Sewer System



### Building Summary

- Sanitary sewer lift station to link up with city waste water treatment system piping
- Major changes to building usage could require updating system & layout

# NDSH CEMETERY



## Summary

- NDSH Maintains Two Patient Cemeteries
- Year: Pre 1900
- One remains open to burials





THANK YOU