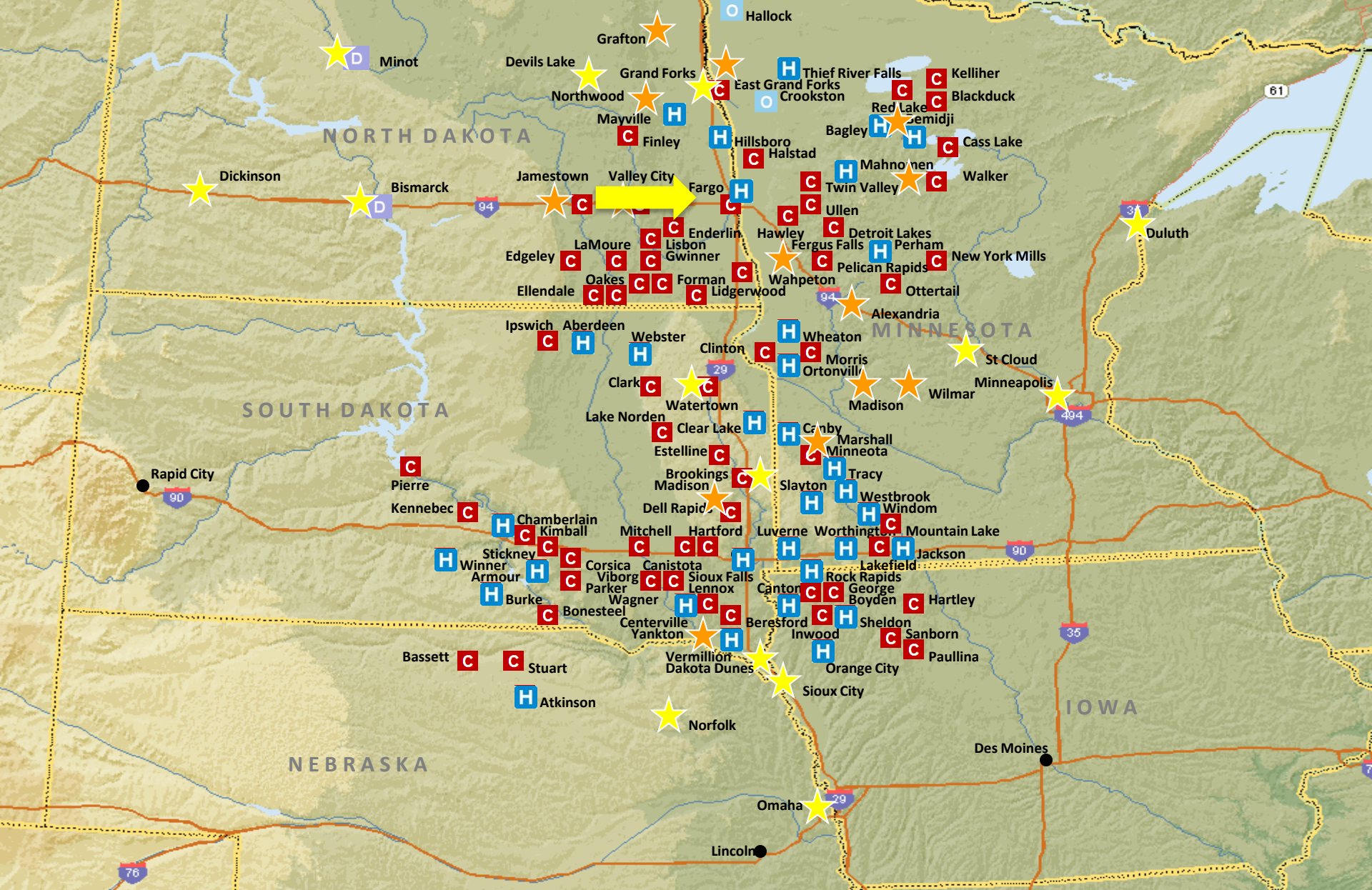


# Unique Experience with Organ Donation

# Sanford Hospital Fargo, ND





# Case Study: 77 year old female

- Currently working in office setting
- Experiencing shortness of breath and palpitations for 1 week
- Admitted to hospital with rapid atrial fibrillation
- Heart rate and symptoms improved

# Diagnostic Assessment

- Echocardiogram done on admission
- Findings showed 3 of 4 heart valves not working properly
- Cardiology consult obtained
- Cardiac cath completed and cardiovascular surgery consult obtained

# Surgery Day

- Surgery performed
- Aortic and mitral valves replaced
- Tricuspid valve repaired
- Complex surgical procedure
- Intra-aortic balloon pump placed
- Left ventricular assist device placed

# Intra Aortic Balloon Pump



# Abiomed Ventricle





# Postoperative Course

- At end of case, chest wound packed and left open
- Severe coagulopathy

# Post Operative Course

- Day 1—Critically ill and continue aggressive treatment
- Day 2—Continues to survive catastrophic injury
- Day 3—IABP removed

# Post Operative Course

- Day 4- Hemodynamically stable, not awakened from surgery
- Day 5- No evidence of neurologic recovery
- Day 6- No evidence of neurologic recovery

# Transition

- Neurology was consulted
- Surgeon and neurologist review case
- If no chance of neurologic recovery, plan to withdraw therapy
- Discussion held with family

# LifeSource Evaluation

- Conversations with LifeSource
- Determined that patient potential candidate for liver donor
- Further testing done to determine brain death
- LifeSource approached family & receptive to organ donation

# LifeSource Evaluation

- Donation Assessment Huddle on Unit
- Concerns about brain death declaration without apnea testing.
- Brain death declaration completed

# The Gift of Life

- Bedside liver biopsy done at 1800
- Complication developed after liver biopsy
- Cardiovascular surgeon initially gave orders
- Orders received from LifeSource for Donor management

# Moving to Donation

- LifeSource Coordinator arrived on site at 2245
- Blood drawn and sent for HLA Lab for tissue typing and Serology blood ready for transport to lab in Denver
- Sanford pathologist worked with transplant surgeon and pathologist



# The Gift of Life

- Donor Flag flown for family
- Patient to Operating Room that afternoon
- Cardiovascular surgeon from Sanford to operating room to remove LVAD and assist
- Liver transplanted to 52 year old female

# Lessons Learned

- Never assume that patient is not candidate
- Great teamwork from hospital staff
- CV surgeon assisting with procurement
- Hospital Liason support on site
- Honoring the Families wishes