Let’s look at two patient experiences. One has **minimally invasive video-assisted thoracoscopic surgery (VATS)**. The other has **open thoracic surgery**.

**PAIN AFTER SURGERY**
- **7%** of VATS patients require pain medication six months later\(^1\)
- **36%** of open surgery patients require pain medication six months later\(^1\)

**CHEST TUBE DURATION**
- Your surgeon will leave a tube in your chest to drain any fluid in your lungs after surgery.
- **3 DAYS** with a chest tube on average for VATS\(^3\)
- **4 DAYS** with a chest tube on average for open surgery\(^1\)

**LENGTH OF HOSPITAL STAY**
- **5.3 DAYS** in the hospital on average\(^1,\,2,\,4,\,6–12\)
  - VATS
- **7.0 DAYS** in the hospital on average\(^1,\,2,\,4,\,6–12\)
  - OPEN

---

Minimally invasive surgery (MIS)
What does this mean for a patient who’s had VATS instead of open surgery?

- Fewer complications after surgery\textsuperscript{2, 8, 10, 12, 15, 16}
- ~2 days earlier release from the hospital\textsuperscript{1, 2, 4, 6–12}
- 9% reduction in hospital costs\textsuperscript{7, 11, 13, 14}
- 60% less blood loss during surgery\textsuperscript{1, 3–5}


