



VENTRALARM

Hernia Detection System

Background

Ventral hernias (VHs) are tears in the abdominal wall that allow the bowel to leak outside of the abdominal cavity. They form from high pressures in the abdomen, such as from obesity and excessive straining.



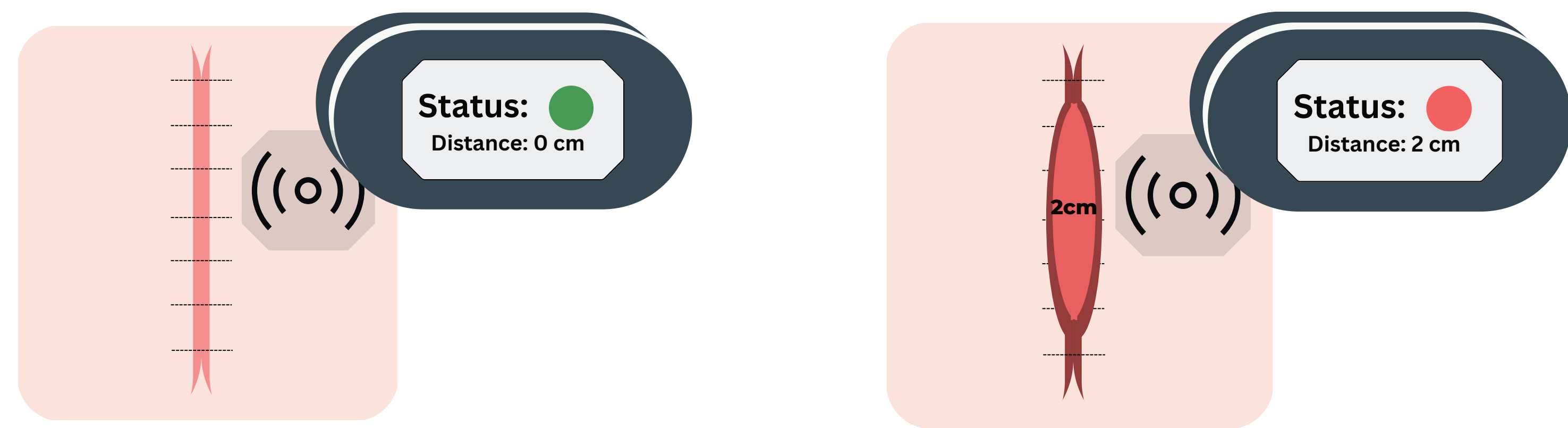
Austin Hernia Center, 2019

5% of the world's population develops a VH at some point in their life.

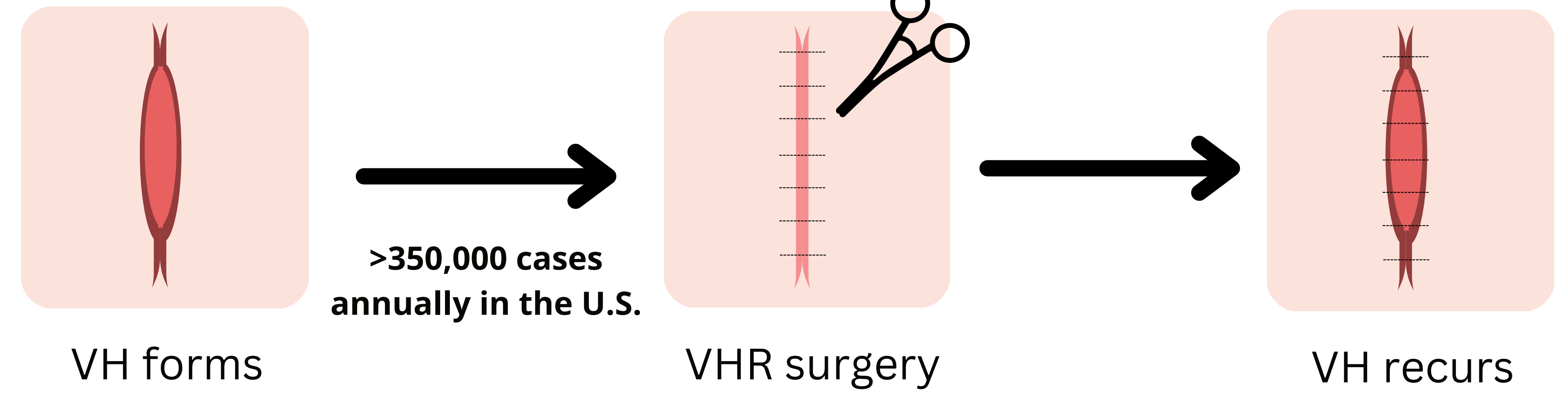
Ventral hernia repairs (VHRs) have high recurrence rates because there is currently no method to guide patient behavior by monitoring the repair as it heals.

What Does VentrAlarm Do?

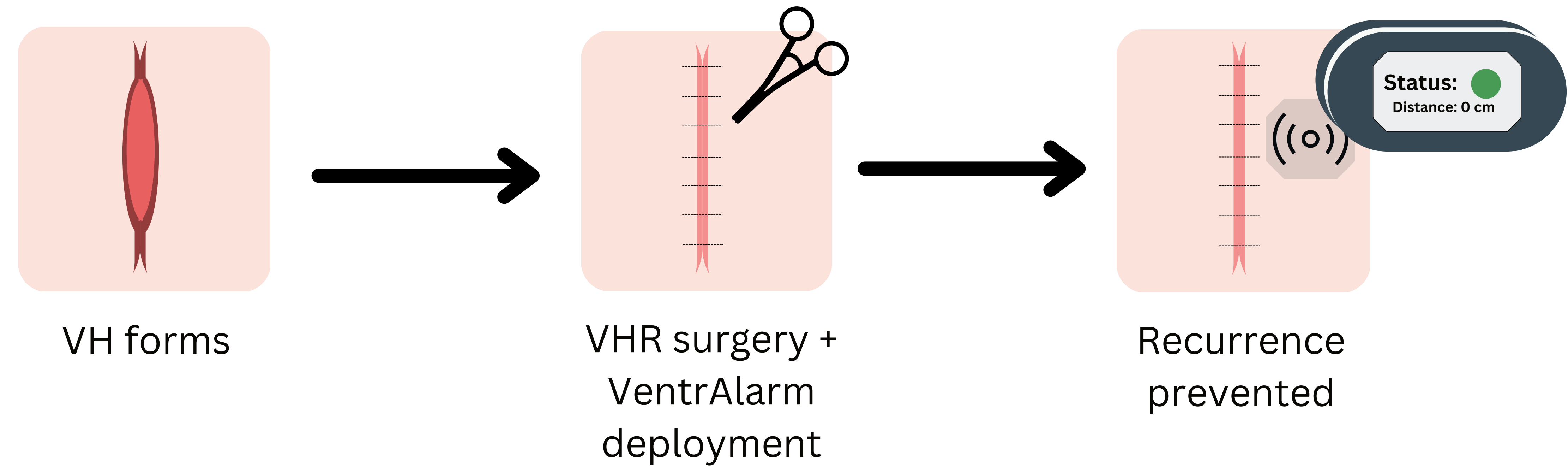
VentrAlarm is a sensor system that monitors the distance between the edges of the healing wound.



PROBLEM



SOLUTION



VH patients need to understand their physical limits and the effects of their behaviors on abdominal wall integrity following VHR to prevent hernia recurrence.

Our Team

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References
Austin Hernia Center. (2019). *Umbilical hernia*. <https://austinherniacenter.com/umbilical-hernia/>
Slidesgo. (2023). Interactive clinical case presentation. <https://slidesgo.com/theme/interactive-clinical-case#search-clinical+case&position-10&results-274&rs=search&rs=search>

Slidesgo, 2023

VH Patients Clinicians Administrators/Insurance

- Prevents patients from having painful recurrences
- Provides clinicians with valuable data
- Saves time and money spent by admin/insurance on recurrences