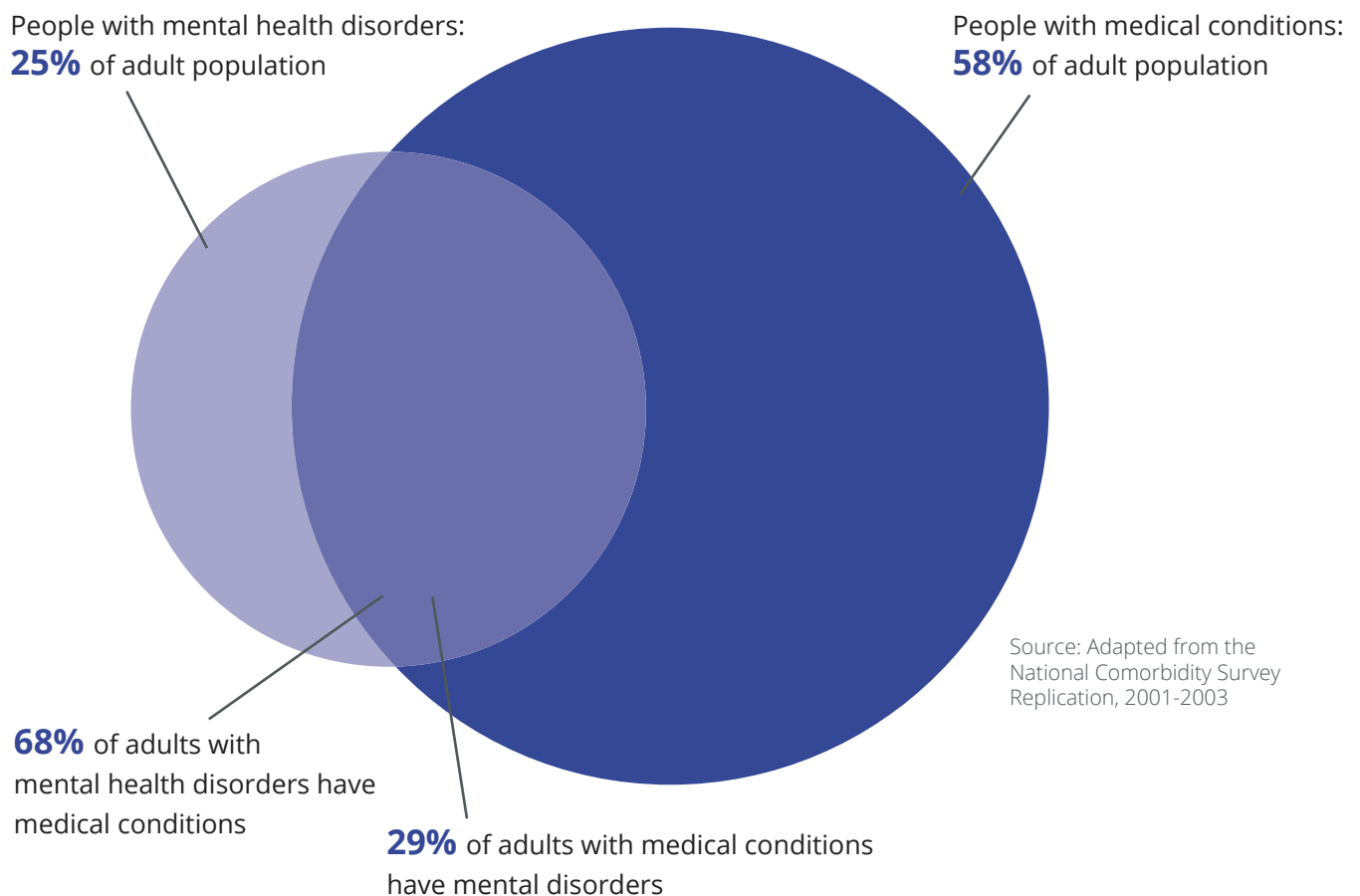


The Impact of Failed Surgeries— And What Clinicians Can Do About It

In 2010, **48.3 million surgical and nonsurgical procedures** were performed¹

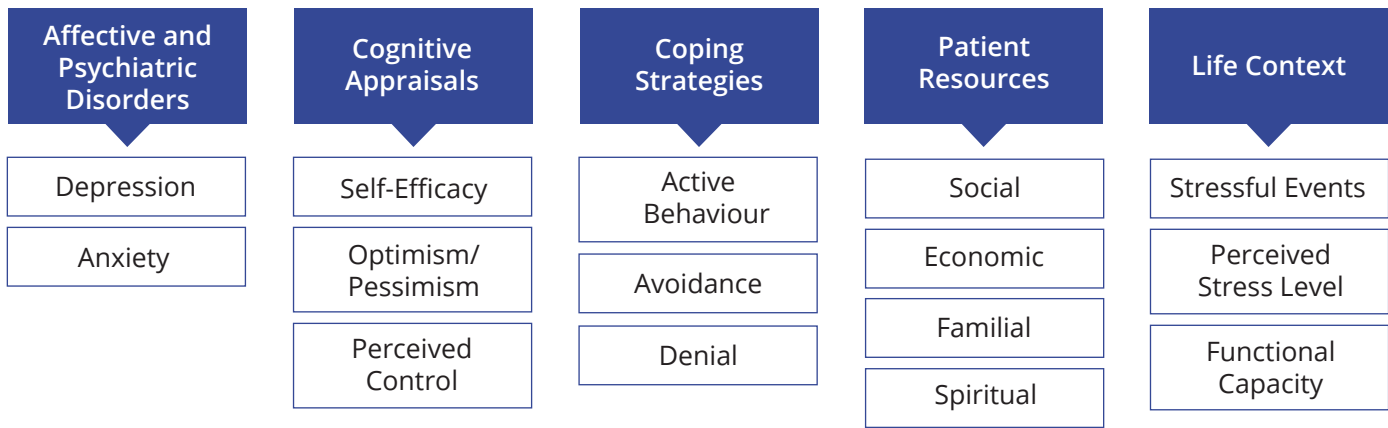
Mental and physical health impact each other

Percentage of adults with mental disorders and/or medical conditions, 2001–2003



¹Hall M, et al. (2017) Ambulatory Surgery Data From Hospitals and Ambulatory Surgery Centers: United States, 2010. *National Health Statistics Reports* Feb;102.

Common psychosocial factors that can work *for* or *against* surgery



“Psychological tests can outperform medical tests at predicting poor response to back surgery to reduce pain.”

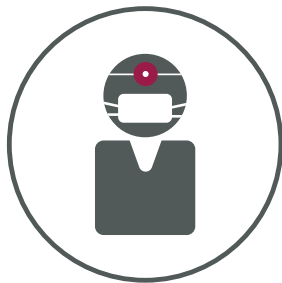
Some surgeries that can benefit from psychological evaluations:



Spinal Surgery

Failed back surgery syndrome (FBSS) affects

40% of patients following spine surgery with estimated costs of **\$20 billion** to the US healthcare system.³



Bariatric Surgery

196,000 Bariatric surgeries performed each year⁴

15% of patients do not maintain 50% of initial weight loss⁵

These 15% of patients can cost around **\$676 million** in unnecessary surgery costs⁶

Other surgeries where outcomes can benefit from presurgical evaluations:

- Sleep apnea
- Organ transplant
- Pain intervention
- Knee & hip surgery

²Carragee, et al. 2005; 2004

³Elsamadiy AA et al. (2017). Impact of Insurance Provider on Overall Costs in Failed Back Surgery Syndrome: A Cost Study of 122,827 Patients. *Neuromodulation*. Jun;20(4):354-360

⁴American Society for Metabolic and Bariatric Surgery. (2016). Estimate of Bariatric Surgery Numbers, 2011-2016. Retrieved from <https://renewbariatrics.com/bariatric-surgery-statistics/>

⁵Obesity News Today. "Gastric Bypass Success Rate: What You Need to Know." Retrieved from <https://obesitynewstoday.com/gastric-bypass-success-rate/>. March 7, 2018.

⁶Based on the average cost of gastric bypass surgery of \$23,000. Obesity Coverage. "Weight Loss Surgery Insurance Coverage and Costs." Retrieved from <https://www.obesitycoverage.com/weight-loss-surgery-insurance-coverage-and-costs/>. October 3, 2017.

Help improve your patients' surgical outcomes

Surgical procedures and recovery require cooperative effort from patients, healthcare teams, and insurance companies. Make sure your patients are ready to undergo these procedures by identifying risks and positive attributes that could impact successful outcomes. Presurgical evaluations and mental health assessments provide evidence-based recommendations to help you devise an appropriate treatment plan. Benefits of presurgical evaluations include:

Identification of Risks and Resilience

High levels of psychological symptomatology are often indicative of patient satisfaction and adverse or sub-optimal surgical outcomes.

Reports Developed for Integrated Care

Comprehensive and evidence-based reports enable collaboration across the multidisciplinary surgical and care team.

Justification for Insurers

Research-based and normed on relevant surgical candidates, these industry leading tests are part of a thorough presurgical psychological evaluation often required by medical treatment guidelines.

Why are presurgical evaluation tools valuable?

- Items are written to assess medical patients
- Offer more focused assessment of psychiatric conditions
- Determine if patient is depressed about health
- Identify fears associated with objective risk of death
- Highlight clusters of physical symptoms associated with illness and distress
- Identify poor coping with pain or illness
- Assess dependence on prescription pain medication

Sample of presurgical evaluation battery

- Clinical interview
- Locus of Control measure
- Assessment of psychosocial factors that impact medical treatment
- Assessment of substance use and abuse
- Pain assessment
- Cognitive assessment
- Assessment of personality traits and psychopathology
- Measure of mood

Pearson's valid and reliable suite of tools assess for:

- Depression
- Anxiety
- Addiction potential
- Pain disorder
- Physical functioning
- Reaction to medical condition
- Dependence on prescription pain medication
- Organic & stress-related symptom clusters
- Conflict with healthcare providers

Products

Pearson offers the following assessments to inform treatment plans and improve outcomes for surgical interventions.



Helps identify biopsychosocial factors, including coping strategies, that impact individuals' readiness for and response to chronic pain, bariatric, and general surgeries.



Comprehensively identifies primary and secondary biopsychosocial risk factors before surgical intervention.



Spine-CIR/Stim-CIR

Reports that identify presurgical risk factors, postsurgical outcome risk, and associated treatment recommendations for spinal cord stimulator and spine surgery procedures.



Score Report

Helps assess psychological and behavioural dysfunctions of medical patients, including bariatric surgery candidates.

EATING INVENTORY

Measures three factors of eating behaviour important in developing individualized pre- and post-surgical treatment programs for obesity.



Efficiently measures 16 areas of life satisfaction to inform pre- and post-surgical treatments or services.