

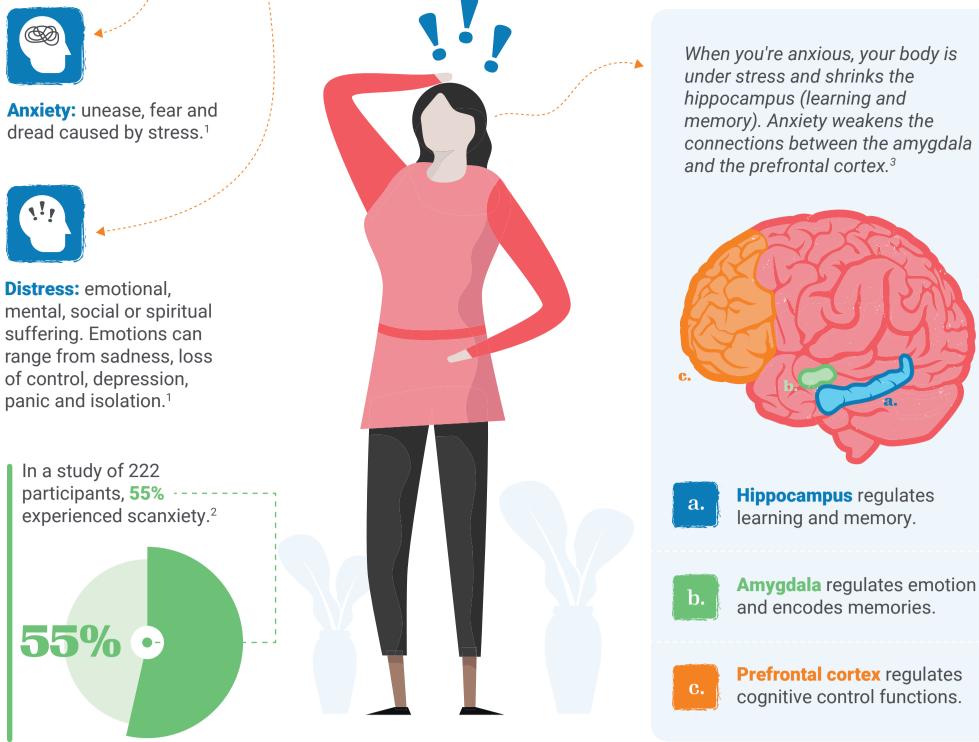
# Scanxiety Nightmares:

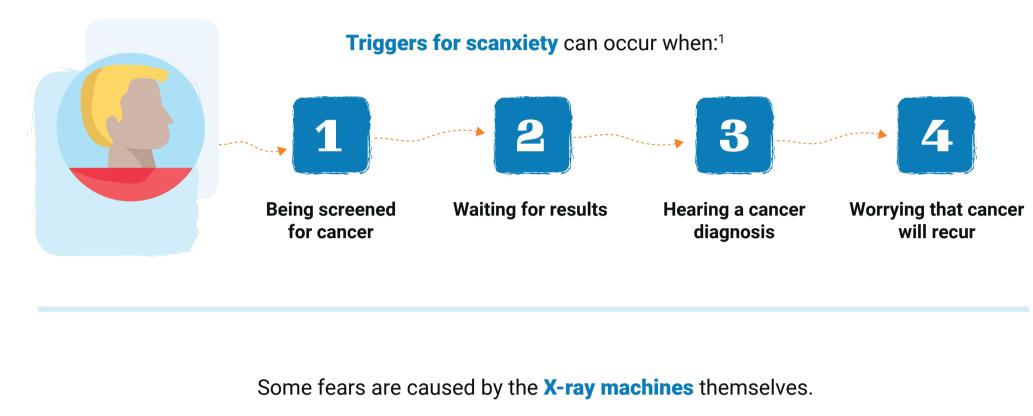
**Overcoming Anxiety of the Next Scan.** 

# What is scanxiety? "Scanxiety" is the term used by cancer patients and survivors

on the apprehension they feel surrounding their next scan.

Ultimately, anxiety and distress can affect the quality of life of patients with cancer.

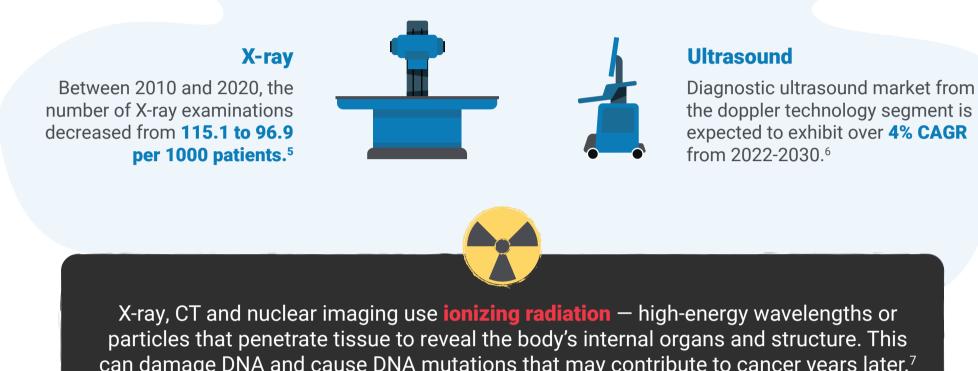




### Over 150 million patients have had Between 2010 and 2020, the number of CT scans nearly doubled from MRI examinations to date, with

The types of scans and medical imaging machines:

87.4 to 155.7 per 1000 patients.5 approximately 10 million MRI procedures done annually.4

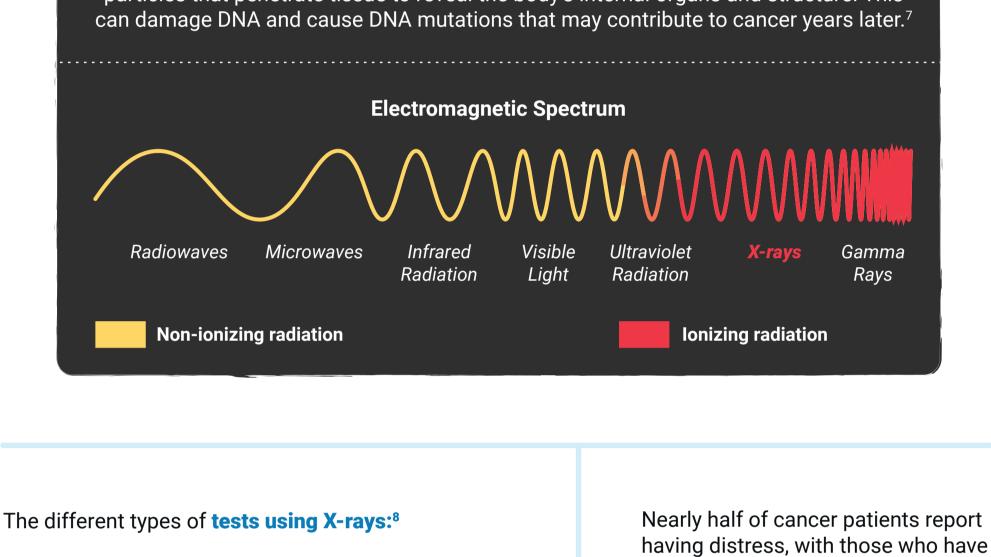


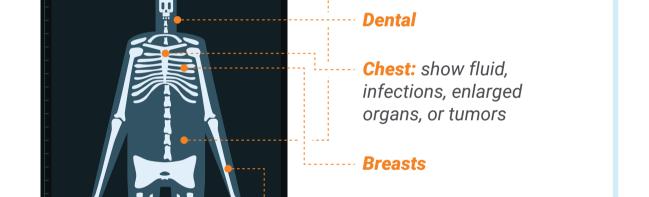
**MRI** 

### **Ultrasound**

**CT/CAT Scan** 

expected to exhibit over 4% CAGR from 2022-2030.6





CT scans: show an

Real-time screening: helps doctors put in stents or wires, look at

blood vessels, or show the

area of the body

outline of body structures **Bones:** show breaks, degenerative changes, infection or tumors In a recent study, higher scanxiety severity was associated with

people with:9

A history of smoking

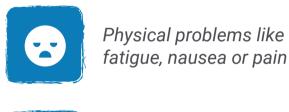
daily activities Problems at home

lung, pancreatic and brain cancers

being more likely to report distress.

Here are some risk factors for high levels of distress in cancer patients:

Trouble with normal

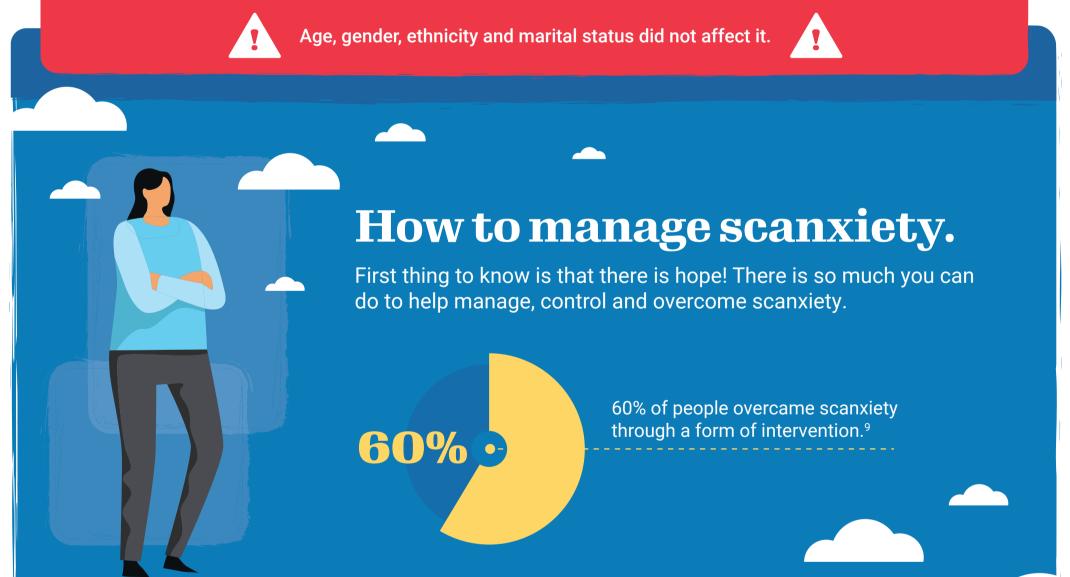


Unmet social and/or

spiritual needs



education Diagnostic scans



**Different forms of intervention** 

Talk with your care team. Ask questions and form a treatment plan with them.

Higher levels of pain

## Continue to communicate with friends and family.



Join a support group.



new robust artificial MIT, was significantly more accurate at predicting

2. https://pubmed.ncbi.nlm.nih.gov/34333717/

0the,of%20cardiovascular%20diseases%20(CVDs).

7. https://www.health.harvard.edu/cancer/radiation-risk-from-medical-imaging

13. https://www.futuremarketinsights.com/reports/digital-x-ray-equipment-market





Be confident.

"One of the best

practices that I've

seen as a patient

was at Michigan

Medicine. While

you're waiting, the

room has a blank

binder with paper

in it sitting on the

table next to the

magazines. They

invite patients to write notes to other

patients about what they're experiencing. It is so simple and so powerful," - Amanda C. Itliong / Cancer Survivor / co-chair of the Quality Experience Committee of the ACR Commission on Patientand Family-Centered Care<sup>11</sup> **70%** 80%

### cancer risk and identifying It's not all negative. Companies like Nanox and SK high-risk groups at nearly Telcom are helping supply digital X-ray equipment two times, compared to the that expose patients to 70-80% less radiation than

current clinical standard, Tyrer-Cuzick Model.<sup>12</sup> You have the ability to take control.

Scanxiety doesn't need to consume your life.

traditional X-rays.<sup>13</sup>

# www.mavenimaging.com

1. https://www.cancer.gov/about-cancer/coping/feelings/anxiety-distress-pdq

3. https://www.nm.org/healthbeat/healthy-tips/emotional-health/the-science-of-anxiety 4. https://www.ismrm.org/resources/information-for-patients/ 5. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8621920/

6. https://www.gminsights.com/industry-analysis/diagnostic-ultrasound-market#:~:text=Diagnostic%20ultrasound%20market%20from%2

- 8. https://www.cancerresearchuk.org/about-cancer/cancer-in-general/tests/x-rays 9. https://bmjopen.bmj.com/content/bmjopen/11/5/e043215.full.pdf
- 10. https://pubmed.ncbi.nlm.nih.gov/31095082/ 11. https://www.acr.org/Practice-Management-Quality-Informatics/ACR-Bulletin/Articles/October-2022/Reducing-Scanxiety 12. https://news.mit.edu/2021/robust-artificial-intelligence-tools-predict-future-cancer-0128