



Developing Cyber-Risk Information Sharing Networks for Medical Device Patients and Caregivers

Third Annual International Information Sharing Conference (IISC)

August 21, 2019

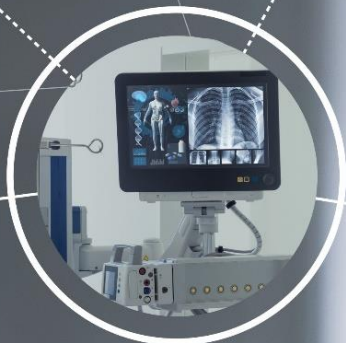
About Today's Presenter



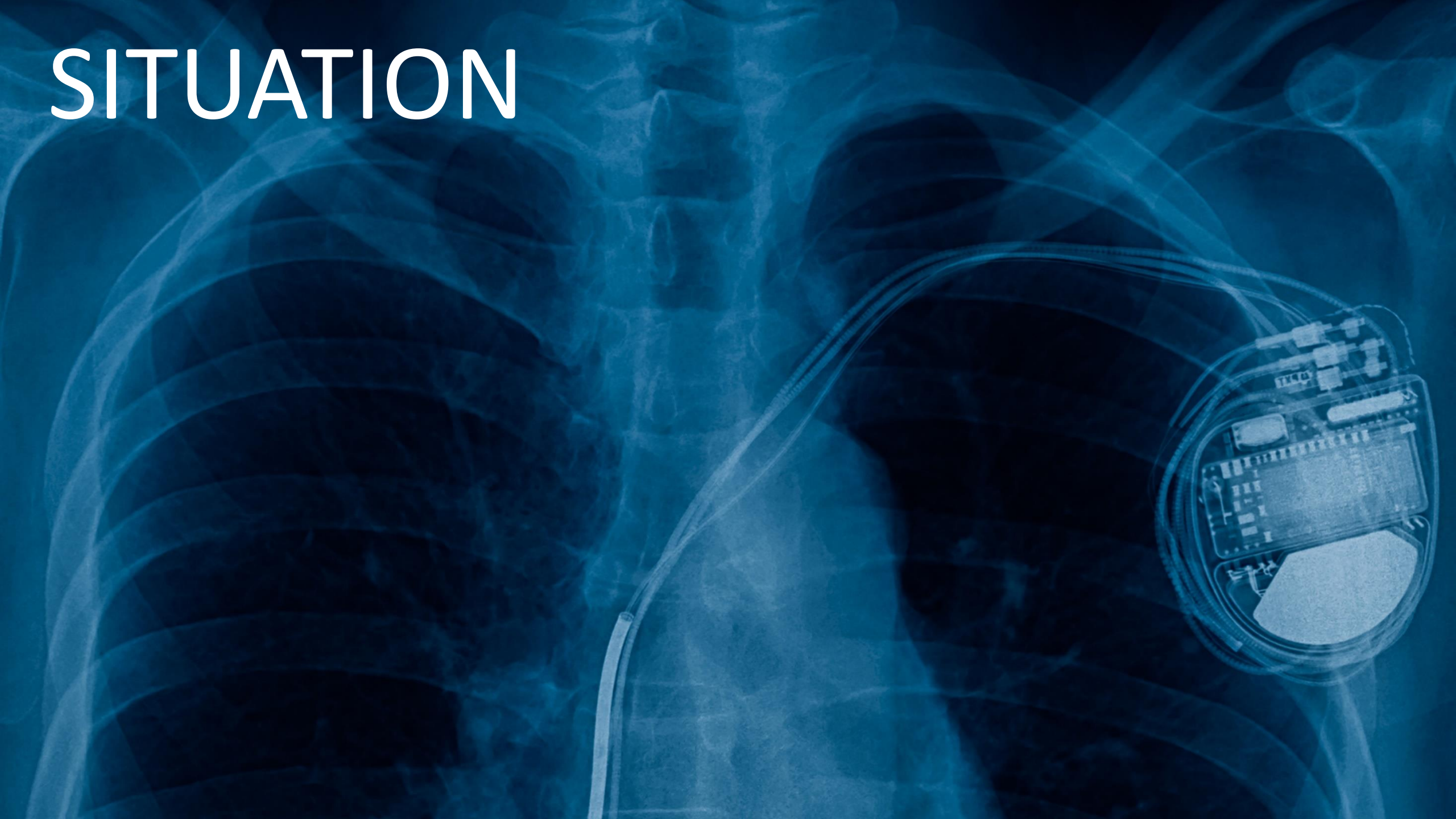
George W. Jackson, Jr. | Senior Principal Consultant, Clearwater
MBA, Ph.D., CRISC, HCISPP, CISSP, PMP

- 30 years' experience in Information Systems.
- 20+ years' experience in Information Security.
- 10+ years' experience in Healthcare IT Project Management.
- Former VP Information Systems, Alpha-Omega Chemical Company.
- Certified Information Systems Security Professional (CISSP), Healthcare Information Security and Privacy Professional (HCISPP), Project Management Professional (PMP).
- BS Information Technology Management, MBA Information Technology Management, Doctor of Philosophy in Information Technology with a specialization in Information Assurance and Cybersecurity. Focus: Medical Device Cybersecurity.

Active Medical Devices



SITUATION





**I want this THING
taken out of me**

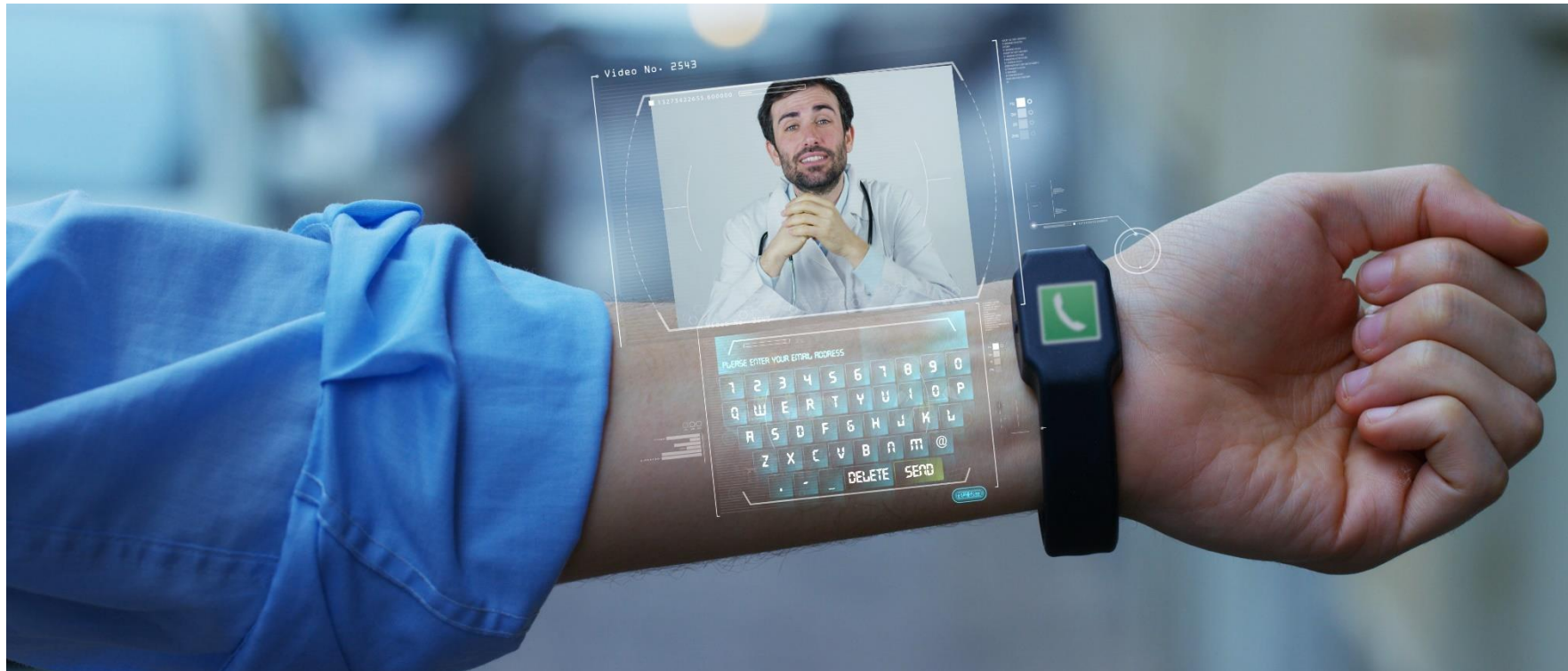
I can't believe this is happening...



What did you do to me?



You're not even connected to me and you're in control



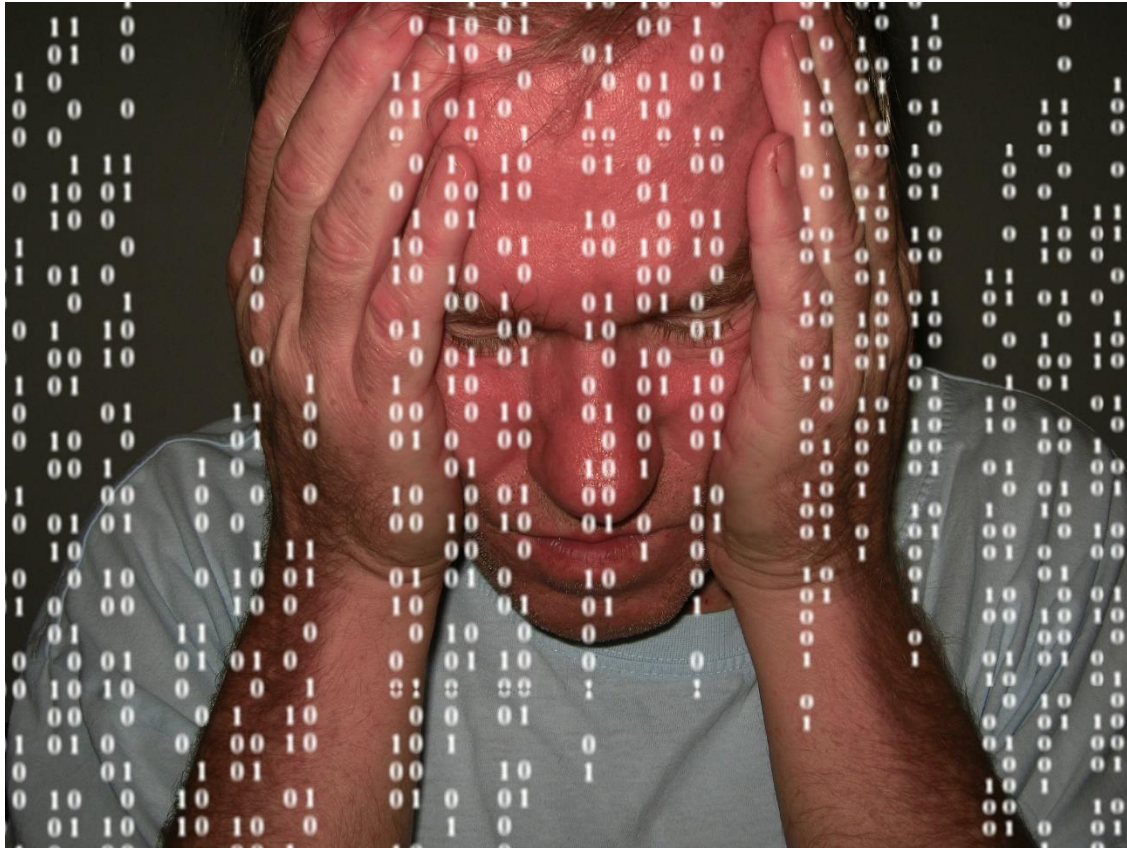
Has my device been Hacked?



**Is somebody going to break
into my device while I am
asleep?**

**I don't want
anyone
hacking me
in my sleep**





What the heck is Cybersecurity?



Why is this thing in my body?

**How
much
does
all of this
cost?**



COMPLICATION



**Hackers don't want your
Pacemaker...
they want your money**

**The risk of your device
being hacked is too low to
even worry about**

**There haven't been
any deaths or
injuries reported**

**We're doing
everything we
can to keep you
and these
devices safe**

**We really don't
tell the patients
anything**

**We don't want to scare
patients**

**We always have to
consider the risks**

**In a lot of cases
they don't really
understand
what's
happening**

**But if they ask
we'll tell them
anything they
want to know**

**There's no
where they can
go to get
information**

**A lot of their
information
comes from
the media**

**The media is
the last place where
patients should be getting
cybersecurity information**

**They want to hear it
from their Doctors
because that's who
they really trust**

**It's left up to us
(Nurses and Technicians)
to provide cybersecurity
information**

**The manufacturers
don't give us any
cybersecurity
information**

**Patients can go to the
manufacturer's website
for cybersecurity
information**

But who's going to do that?

**Some patients are
savvy enough to ask
questions about
cybersecurity**

**Or have family
members who ask
questions about
cybersecurity**

**I don't know of
anywhere they can
easily go to get
cybersecurity
information**

**The one piece of advice
I always give patients is
“Be curious.”**



RESOLUTION

Catalyst

Communication

Collaboration

Community

Commitment

Evolve

Be Curious

Questions





Thank You.