Making an impact through innovation

BECKER'S HEALTH IT + CLINICAL LEADERSHIP 2019

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Whoever delivers the best experience WINS.

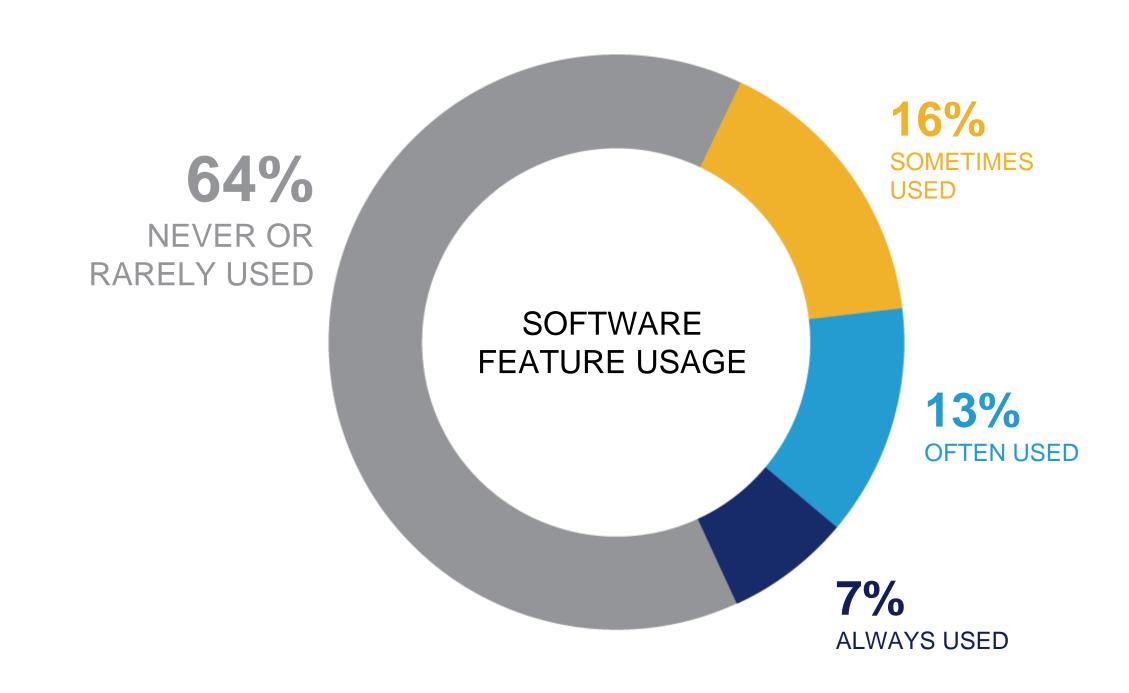


THE BEST EXPERIENCES MAKE PEOPLE'S LIVES LESS COMPLEX AND MORE ENJOYABLE.

always

It's not about coming up with a clever new way of doing something.

It's about designing—and collaborating—for the human experience.



The tendency is to just gather user requirements—information, facts, data, true statements...
justified by other true statements.

Compartmentalized needs are disconnected needs.

BODY

INFORMATION

EMOTIONS

WHITE MALE
70 YEARS OLD
ENGLISH
MARRIED
HIGH NET WORTH



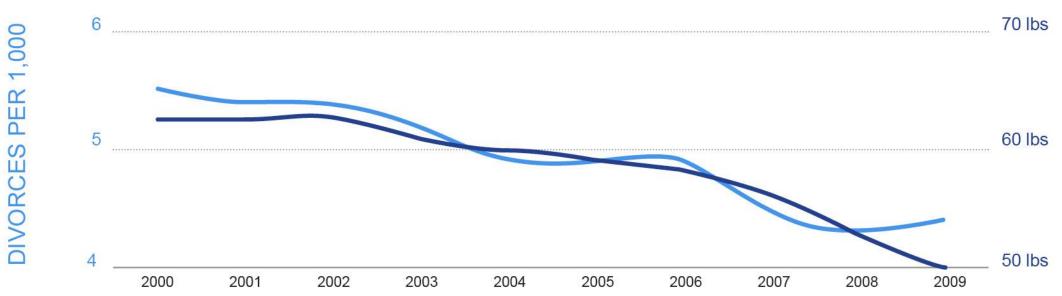
Information-as-knowledge can distort good thinking—confounding reality and humanness.

correlation \(\neq \) causality

Divorce rate in Alabama

CORRELATES WITH

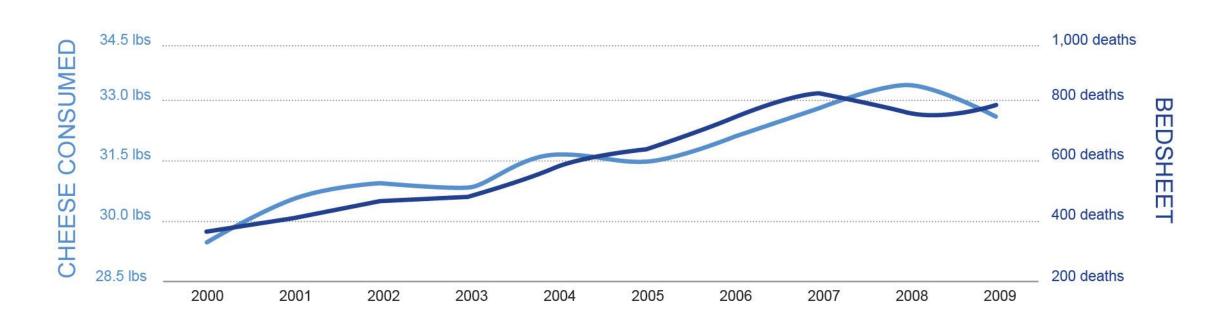
Per capita consumption of high fructose corn syrup



Per capita cheese consumption

CORRELATES WITH

The number of people who died by becoming tangled in their bedsheets



THE LESSON:

Stay away from sugar, cheese and assuming data has all the answers.

MAKE DATA WORK.

- + Synthesize and dig deeper.
- + Look for theme and patterns in data.
- + Make creative leaps and inferences you can test.
- + Use qualitative design research to verify or debunk.

HOW YOU SHOULD SPEND YOUR TIME

99%
ON HUMAN
PROBLEMS



1% ON TECH CASE STUDY #1:

No algorithm is an island.

CASE STUDY #2:

Make sure we're solving the right problem.

We need more space and more beds.

How do we increase patient satisfaction and decrease wait times?



Make technology the solution.

Not the problem.

We expect healthcare users to adapt to tech. We don't adapt tech to healthcare users.

"INCREASING
COMPUTERIZATION"
RANKED AS FOURTH IN
THE TOP-5 CAUSES OF
PHYSICIAN BURNOUT.1

11%
INCREASE IN
MEDICAL ERRORS
IN BURNED-OUT
SURGEONS²

\$68M

ANNUAL SAVINGS
BY HOSPITALS
WITH REDUCED
BURNOUT³

- + Time
- + Cost
- + Required amount of thinking
- + How it fits into an established routine

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RIGHT TECH. WRONG TIME.

There is no recipe for innovation.



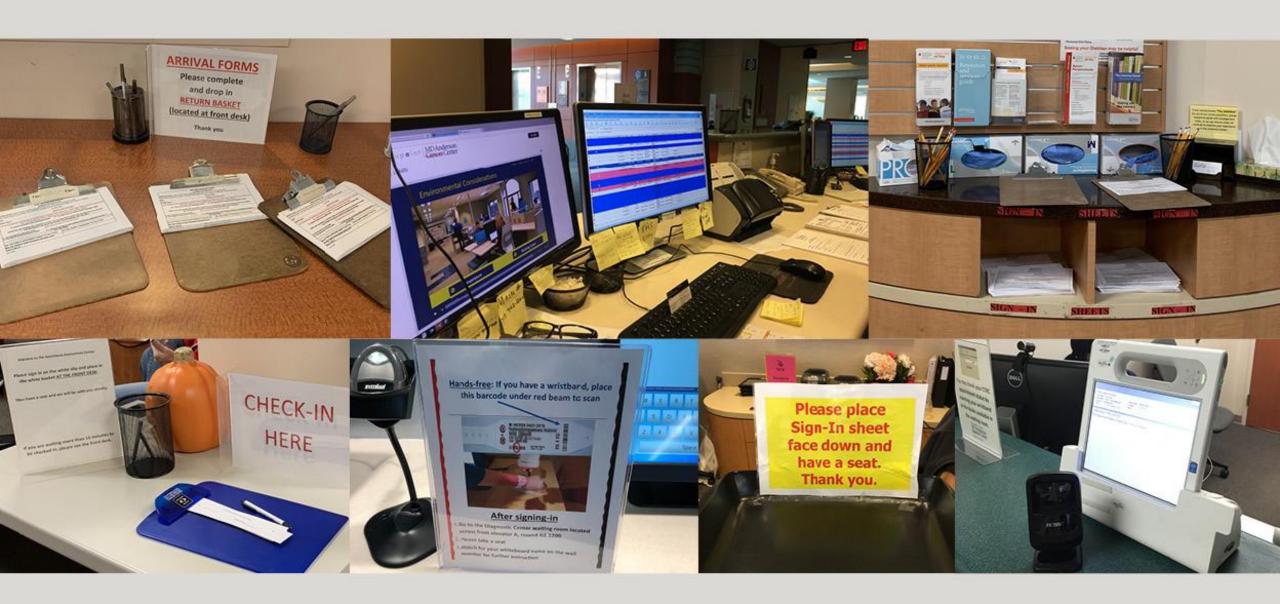
Design for what people do. Not for what they say.



Self Service Check-in



CURRENT PATIENT EXPERIENCE | INCONSISTENCY, TIGHT SPACES, CONFUSION



WHAT PATIENTS NEED

Directions. Human interaction. Efficiency.



IDEAL CHECK-IN EXPERIENCE DESIGN PRINCIPALS

Patient-centered	Check-in should be designed to facilitate the easiest, most convenient experience possible for patients, while also balancing the needs and policies of MD Anderson. When necessary, trade-offs should be made in favor of the patient experience and every effort should be made to minimize physically redirecting patients.
Scalable	The check-in experience should be scalable to all Houston Area Locations and the Texas Medical Center, providing patients with a consistent experience—regardless of if they are a new or established patient or if they are here for one appointment or multiple.
Human	Technology should be leveraged to allow check-in staff to be less transactional and focus on establishing genuine connections with patients.

IDEAL CHECK-IN CONCEPT



PRE-ARRIVAL

Fill out forms, update/confirm personal info and pay copay before arrival



BUILDING ARRIVAL

Get wayfinding assistance and schedule, as needed

NEW PATIENT REGISTRATION

Register and onboard new patients



FIRST APPTOINTMENT CHECK-IN

WAITING ROOM

APPT CALL BACK

Patient self-check-in where they recieve their wristband, pay any/all co-pays for the day (plus past due balances), update personal and insurance info and complete necessary forms



APPOINTMENT CHECK-IN

Self-check-in, confirming arrival to area



Getting as much done before the appointment as possible.

PRE-ARRIVAL

PATIENT SELF-SERVICE TECHNOLOGY ACTIONS

- Review and print schedule
- Access driving directions and wayfinding
- Pre-pay copays, deductible and outstanding balance, as desired
- Fill out forms, as needed
- Update personal information



How we say hello is vital to setting the stage for an exceptional experience.

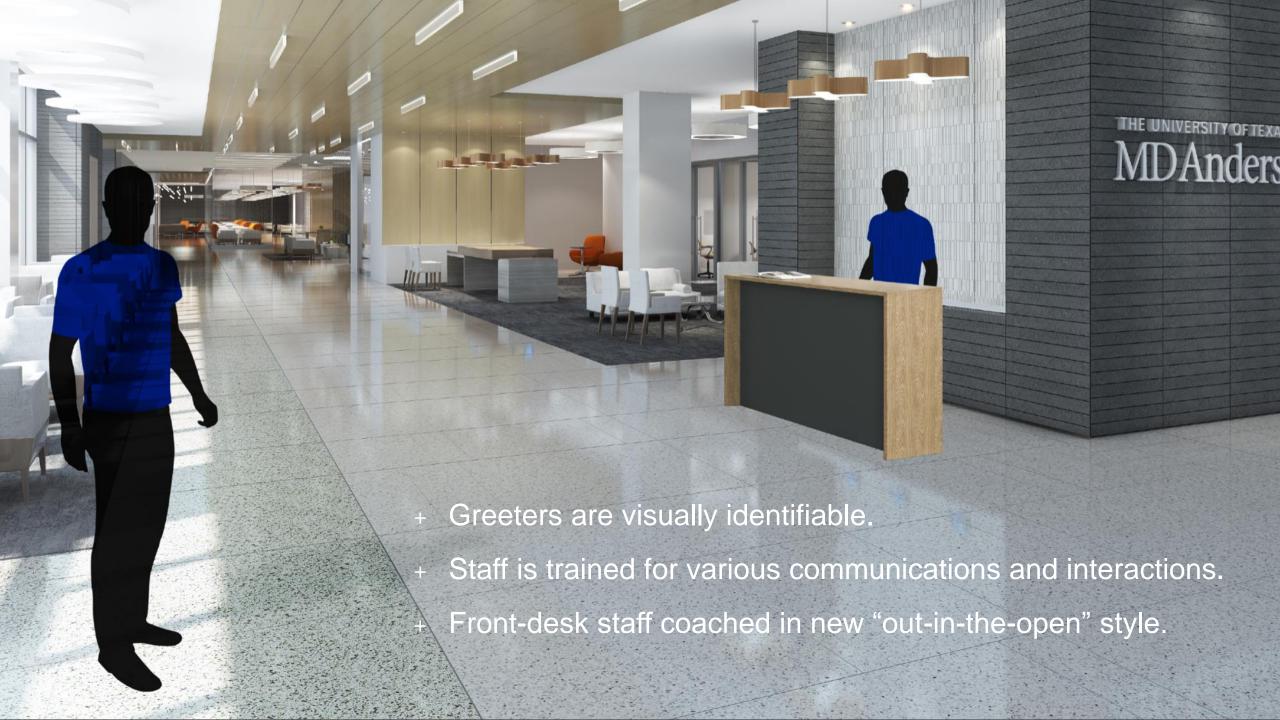
BUILDING ARRIVAL

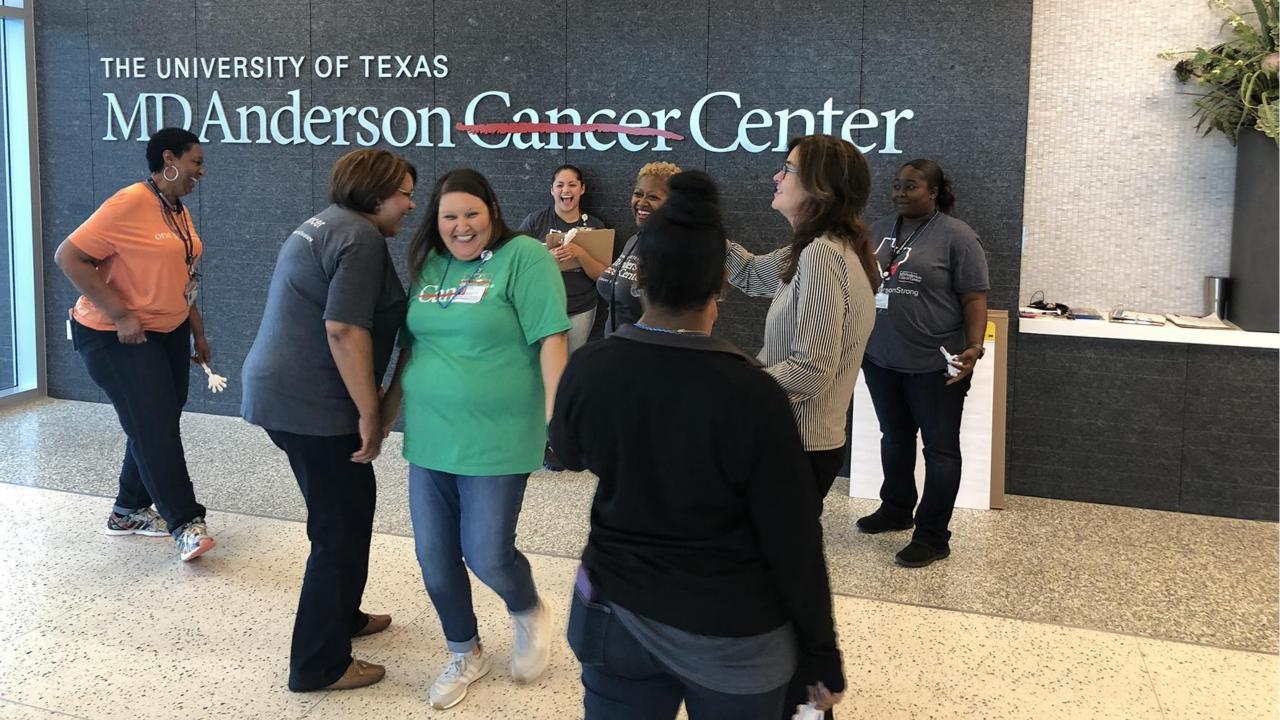
PATIENT SELF-SERVICE TECHNOLOGY ACTIONS

 View, print or send digital directions and schedule, as needed

STAFF ACTIONS

- Greet and assist patients
 - + Route patients/provide directions
 - + Answer questions
 - + Print schedules, as needed







Completing all business transactions at the first appointment of the day.

FIRST APPOINTMENT CHECK-IN

PATIENT SELF-SERVICE TECHNOLOGY ACTIONS

- Check-in
- Pay co-pay and outstanding balance, as needed
- Trigger wristband printing
- Update personal information, as needed
- Update EHR photo, as needed
- Confirm insurance, as needed
- Fill out simple forms and sign consents, as needed
- View, print or send digital directions and schedule, as needed

STAFF ACTIONS

- Greet and assist patients
 - + Confirm identity and apply wristband
 - Collect cash/check payments
 - Address financial blocks, as needed
 - + Update insurance, as needed
 - + Assist with forms and consents, as needed
 - + Answer questions



Confirm arrival—simple as that.

SECOND AND SUBSEQUENT APPOINTMENT CHECK-IN

PATIENT SELF-SERVICE TECHNOLOGY ACTIONS

- Check-in
- Fill out center-specific forms, as needed
- View, print or send digital directions and schedule, as needed

STAFF ACTIONS

- Greet and assist patients
 - + Ensure wristband present
 - + Answer questions
 - + Assist with center-specific forms, as needed

FROM MULTIPLE MRN ASKS TO A SINGLE HANDS-ON APPROACH



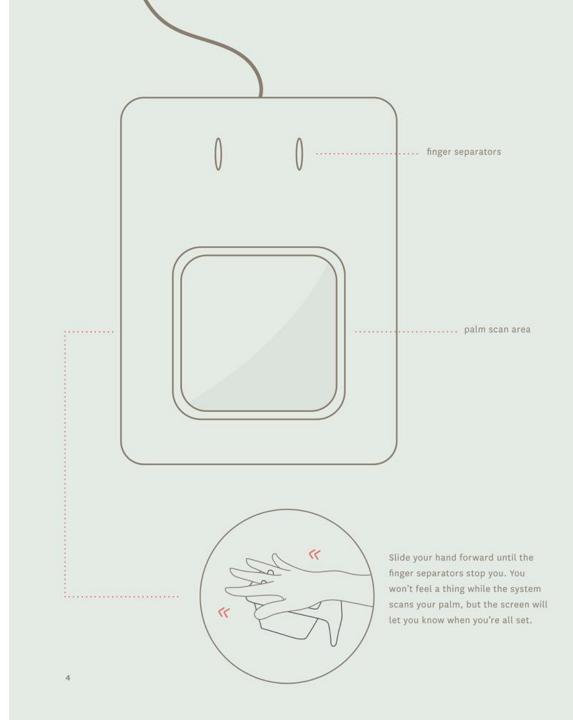


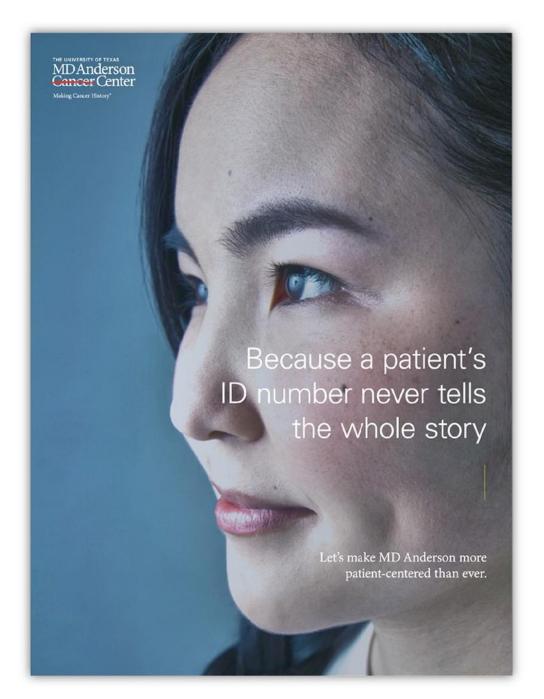


- + Increasing patient safety
- + Boosts patient satisfaction



+ Reduces duplicate medical records





Internal Education posters



PatientSecure Training Key Topics

- + What is biometrics
- + Why is MD Anderson launching this technology
- + How are we communicating the change to patients
- + What is expected from employees with the new technology and Compass bar
- + How do employees handle a patient who refuses new method, or if technology does not work
- + How will employees be measured for their job performance
- + What can employees expect with the transition and launch
- + How do employees support the change

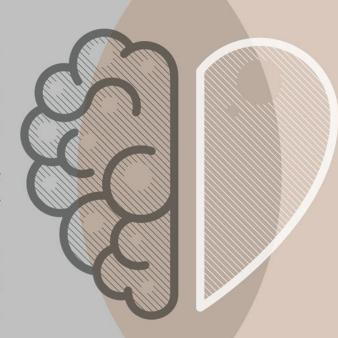
PATIENT MESSAGING

rational

This technology is innovative—and it works

I understand the safety benefits of this technology

The steps are intuitive;
I'm clear on what I
need to do next



emotional

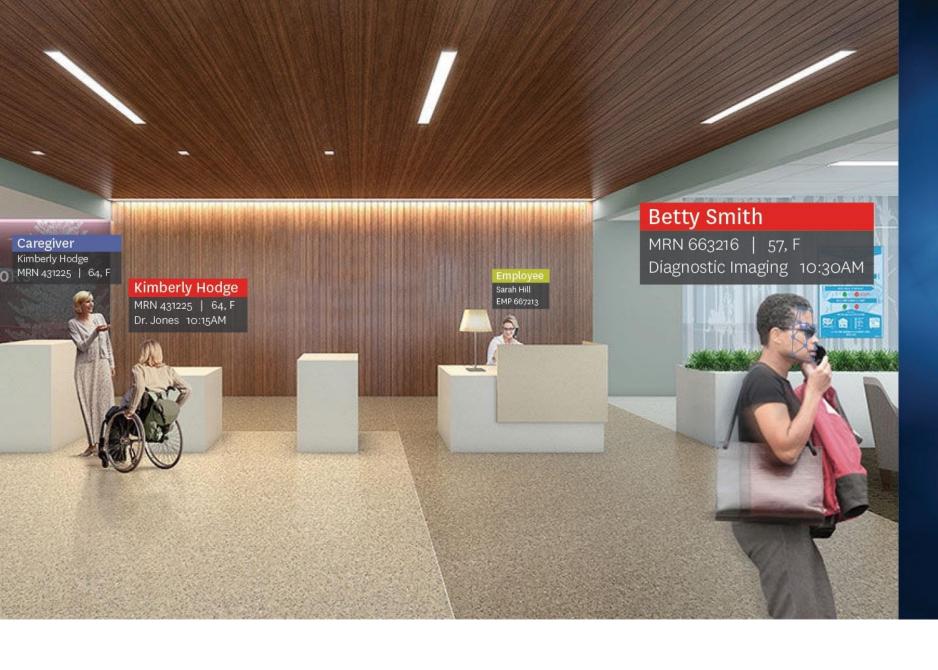
I feel that I'm getting the best level of care

I feel that MD Anderson knows me; I receive personalized care

I feel like a person; not a number WHAT'S NEXT?

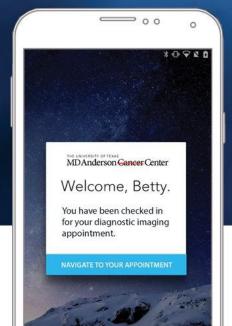
How can we extend our investment and solve the next problem?



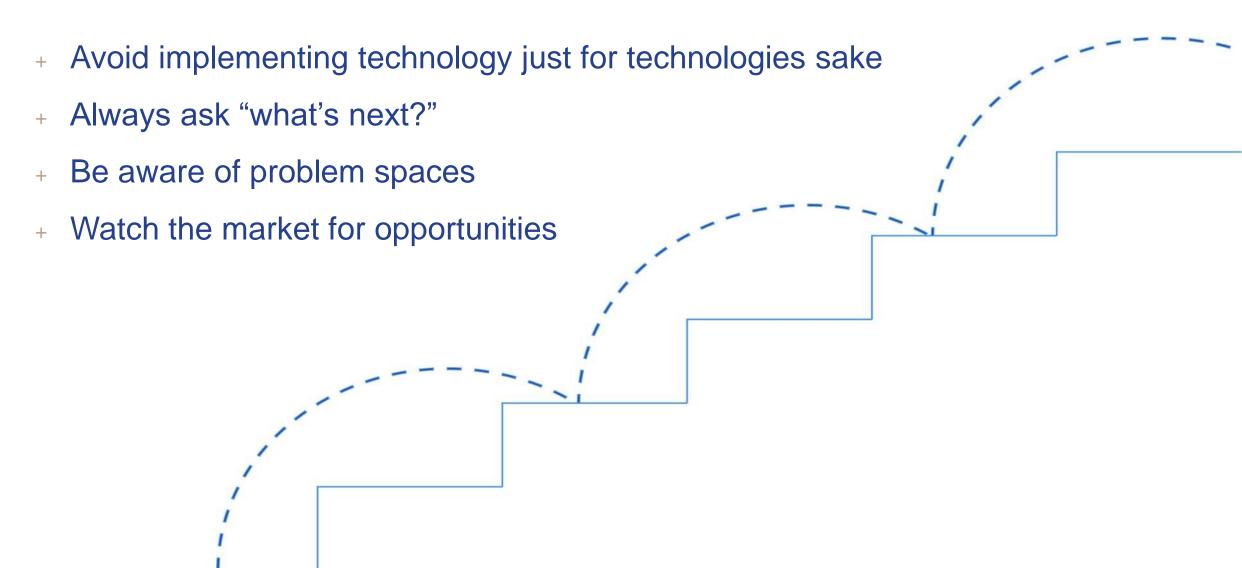


Facial recognition for check-in and tracking

Upon entering the building, patients', caregivers' and employees' phones are detected and a welcome message is pushed to them with quick links to access their schedule and navigate to their first appointment.



LOOK BEFORE YOU LEAPFROG



Experience is where tech meets innovation. And innovation meets strategy.

GO FORTH AND INNOVATE

thank you