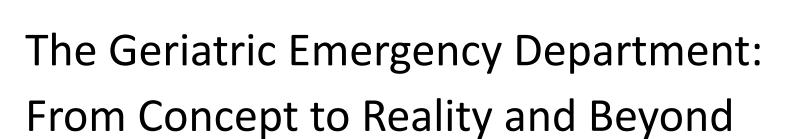
21st International Conference on Emergency Medicine

14 - 19 June 2022 | Hybrid Conference

Melbourne Convention and Exhibition Centre









Disclosure - No Conflict of Interest



Mark Rosenberg, DO, MBA, FACEP, FACOEP-D, FAAHPM
Immediate Past President, American College of Emergency Physicians
Chairman Emeritus, St Joseph's Health, NJ
Associate Professor Emergency Medicine, NYMC

Practice Domains: Geriatrics, Palliative Care, Pain and Addiction Medicine





All Innovations Start With a Story



The Phone Rings:

Me: Hello.....

Mom: Mark, something is wrong in my stomach...

Me: What do you mean?

Mom: It's throbbing like a heartbeat... My back hurts

Me: I am going to call 911



9 Months Later



Mom discharged for the hospital to rehab and then home

70 years old but very frail

Major medical problem was renal failure

1 year after phone call she is back to part time work

Multiple Emergency Department Visits



Mom is always right!





Mom is always right!



"Build an Emergency Department for People Like Me"

Old

Frail

Weak

Afraid



21st International Conference on Emergency Medicine

14 - 19 June 2022 | Hybrid Conference

Melbourne Convention and Exhibition Centre







The Journey Begins



The GED Town Hall



Participants:

Friends

Family

Neighbors

Community

Suggestions:

Quiet and Safe

Comfortable Lighting

Pillows and Blankets

Hot Tea





21st International Conference on Emergency Medicine

14 - 19 June 2022 | Hybrid Conference

Melbourne Convention and Exhibition Centre





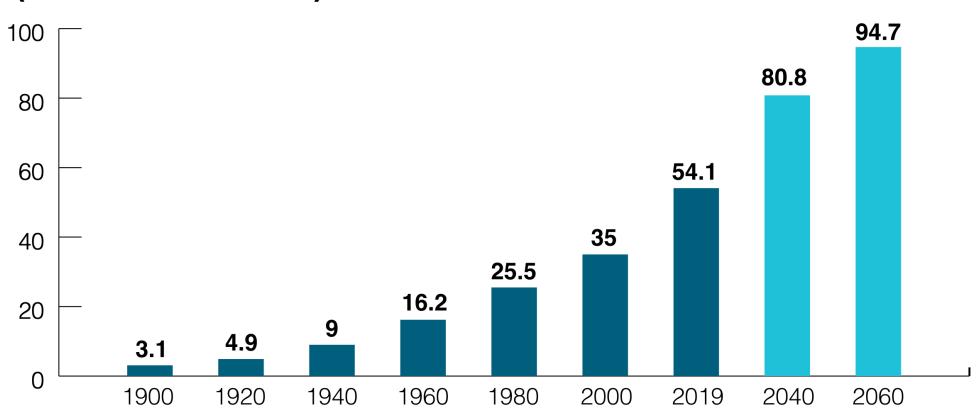




People age 65 and older represented 16% of the population in the year 2019 but are expected to grow to be 21.6% of the population by 2040.

The 85 and older population is projected to more than double from 6.6 million in 2019 to 14.4 million in 2040 (a 118% increase).

Number of Persons Age 65 and Older, 1900 - 2060 (numbers in millions)



Key Facts





- Between 2015 and 2050, the proportion of the world's population over 60 years will nearly double from 12% to 22%.
- By 2020, the number of people aged 60 years and older will outnumber children younger than 5
 years.
- In 2050, 80% of older people will be living in low- and middle-income countries.
- The pace of population ageing is much faster than in the past.
- All countries face major challenges to ensure that their health and social systems are ready to make the most of this demographic shift.





Key Facts





- Between 2015 and 2050, the proportion of the world's population over 60 years will nearly double from 12% to 22%.
- By 2020, the number of people aged 60 years and older will outnumber children younger than 5 vears.
- In 2050, 80% of older people will be living in low- and middle-income countries.
- The pace of population ageing is much faster than in the past.
- All countries face major challenges to ensure that their health and social systems are ready to make the most of this demographic shift.





ED utilization rates for seniors

- 7x more usage of ED services
- 43% of all admissions
- 48% of all Critical Care admissions
- 20% longer length of stay
- 50% more lab
- 50% more radiology
- 400% more social service interventions



Am I old?

Healthy



Controlled Health Issues

- MI within past two years
- High BP
- High cholesterol
- Prostate Cancer
- Lymphoma
- Osteoarthritis
- On eight medications
- Countless vitamins
- Contact lenses
- Hearing aids

21st International Conference on Emergency Medicine

14 - 19 June 2022 | Hybrid Conference

Melbourne Convention and Exhibition Centre







Seniors are not just old adults. They require extra skill, training and expertise in an environment of care that is conducive to enhanced disease management and disease screening.



St. Joseph's Regional Medical Center



St. Joseph's Regional Medical Center



















Harp

News

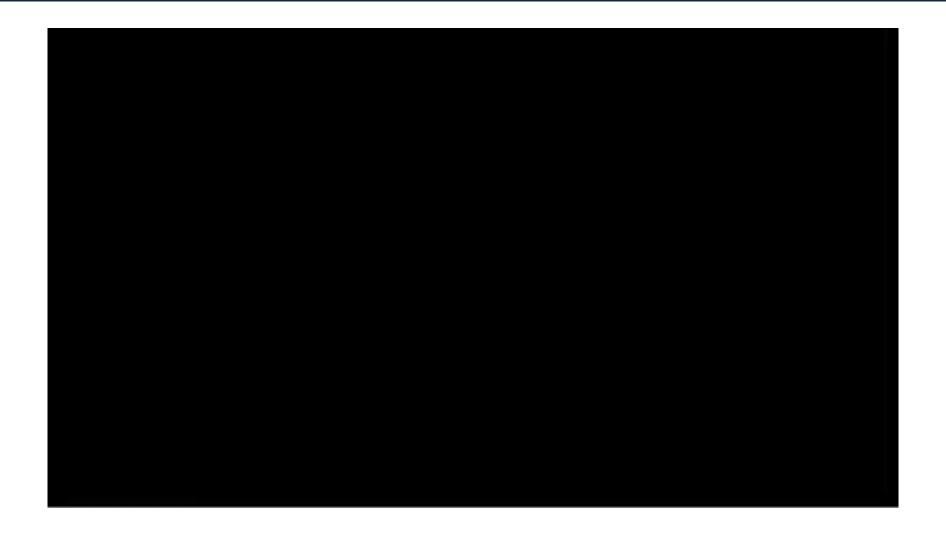
Articles



facility within which she would set up a program to:

Play for patients, their loved ones and staff;

Harp



The Geriatric Patient Encounter

- Mrs. Smith is a 78 y/o functionally independent senior. She lives alone and daughter lives 2 blocks away.
- This AM, Mrs. Smith hurt her ankle going down the steps. Has difficulty ambulating.

Adult ED

- H and P
- Order X-Ray

- H and P
- Order X-Ray

Adult ED

- H and P
- Order X-Ray
- Reevaluation
- Discharge

- H and P
- Order X-Ray

Adult ED

- H and P
- Order X-Ray
- Reevaluation
- Discharge

- H and P
- Order X-Ray
- Seen by GED Team
 - Physical Therapy
 - Social Work
 - Nutrition
 - Geri RN
 - Pharmacy
- Geriatric Screenings
- Discharge Planning
- Transition of Care

Adult ED

- H and P
- Order X-Ray
- Reevaluation
- Discharge

- H and P
- Order X-Ray
- Seen by GED Team
 - PT
 - Social Work
 - Nutrition
 - Geri RN
 - Pharmacy
- Geriatric Screenings
- Discharge Planning
- Transition of Care
- Home Assessment

Adult ED

- H and P
- Order X-Ray
- Reevaluation
- Discharge

Senior Patients Have a Phone Reassessment on Day 1,3, and, 7

- H and P
- Order X-Ray
- Seen by GED Team
 - PT
 - Social Work
 - Nutrition
 - Geri RN
 - Pharmacy
- Geriatric Screenings
- Discharge Planning
- Transition of Care
- Home Assessment

Outcomes

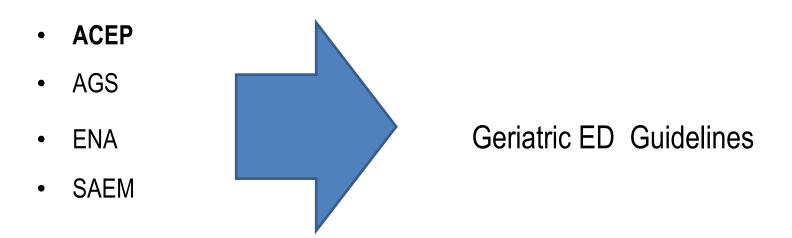
- Increased patient satisfaction
- Higher rate of postdischarge independence
- Fewer return visits
- Lower admission and readmission rate
- Improved screening for inappropriate medications
- Increased patient volume

The GED Guidelines

The GED Growth 2009-2012

More than 180 Geriatric EDs and growing...

...finally there is a standard.



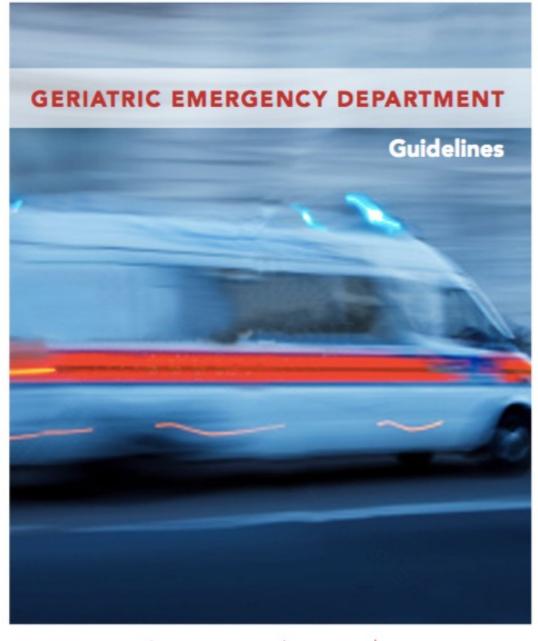










TABLE OF CONTENTS

1 INTRODUCTION

2 PURPOSE

Goals

Benefits

4 STAFFING AND ADMINISTRATION

Background

Recommendations

Geriatric Emergency Department Medical Director

Geriatric Emergency Department Nurse Manager

Staff Physicians

Staff Nurses

Medical Staff Specialists

Ancillary Services

6 FOLLOW UP AND TRANSITION OF CARE

Background

Recommendations

8 EDUCATION

10 QUALITY IMPROVEMENT

- 10 Geriatric Program Quality Improvement Plan
- 12 Sample Geriatric ED Quality Assessment Instrument (Dashboard)

13 EQUIPMENT AND SUPPLIES

15 POLICIES, PROCEDURES, AND PROTOCOLS

Sample Policies & Procedures

- 16 The Screening of Geriatric Patients
- 17 Guidelines for the Use of Urinary Catheters
- 20 Geriatric Medication Management
- 26 Geriatric Fall Assessment
- 28 Delirium and Dementia
- 34 Palliative Care

35 REFERENCES

42 TASK FORCE MEMBERS

GERIATRIC EMERGENCY DEPARTMENT GUIDELINES TASK FORCE

Mark S. Rosenberg, DO, MBA, FACEP

Chair, ACEP Geriatric Emergency Medicine Section (2011-2012)

Chairman, Department of EM Chief, Geriatric Emergency Medicine Chief, Palliative Medicine St. Joseph's Healthcare System, Paterson, NJ

Christopher R. Carpenter, MD, MSc, FACEP

Chair, ACEP Geriatric Emergency Medicine Section (2012-2014)

Associate Professor of Emergency Medicine Director of Evidence Based Medicine Washington University in St. Louis School of Medicine

Marilyn Bromley, RN, BS

Director, EM Practice Department Staff Liaison, Geriatric Emergency Medicine Section American College of Emergency Physicians

Jeffrey M. Caterino, MD, MPH, FACEP

Associate Professor of Emergency Medicine and Internal Medicine

Director of Emergency Medicine Clinical Research The Ohio State University

Audrey Chun, MD

Associate Professor of Geriatric and Palliative Medicine

Icahn School of Medicine at Mount Sinai

Lowell Gerson, PhD

Professor Emeritus, Department of Emergency Medicine

Northeast Ohio Colleges of Medicine

Jason Greenspan, MD, FACEP

Director of Emergency Services Emergent Medical Associates

Ula Hwang, MD, FACEP

Associate Professor of Emergency Medicine Icahn School of Medicine at Mount Sinai

David P. John, MD, FACEP

Co-Chair, Emergency Medicine Johnson Memorial Medical Center Northeast Emergency Medicine Specialists

Joelle Lichtman, MA

Interior Design-Gerontology Certificate Certified Aging-in-Place Specialist (CAPS) Brooklyn, NY

William L. Lyons, MD

Associate Professor in Internal Medicine and Geriatrics University of Nebraska Medical Center

Betty Mortensen, RN, MS, BSN, FACHE

Chief Nursing Officer Emergency Nurses Association

Timothy F. Platts-Mills, MD, MSc

Assistant Professor of Emergency Medicine University of North Carolina at Chapel Hill School of Medicine

Luna C. Ragsdale, MD, MPH, FACEP

Clinical Associate

Duke University School of Medicine

Wake Forest University School of Medicine

Julie Rispoli

Project Manager, EM Practice Department American College of Emergency Physicians

David C. Seaberg, MD, CPE, FACEP

Board Liaison, ACEP Geriatric Emergency Medicine Section (2007-2013) President, American College of Emergency Physicians (2011-2012)

Scott T. Wilber, MD, MPH, FACEP

Associate Professor of Emergency Medicine Northeast Ohio Medical University







ACCREDITATION LEVELS



Geriatric Emergency Department Accreditation

Criteria for any level of GED accreditation are comprised of the following seven categories:

- a) Staffing
- **b)** Education
- c) Policies/protocols, guidelines and procedures
- **d)** Quality improvement
- e) Outcome measures
- f) Equipment and supplies
- g) Physical environment





GEDs By The Numbers

323 sites accredited in total

22 Gold level, 36 silver, and 265 bronze.

42 states

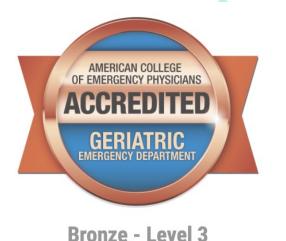
18 renewals

11 upgraded sites

5 international sites – Spain, Brazil, Canada (2), Thailand

22 health care systems with 6 of those at 100% participation

VA system 31 of 110 sites











21st International Conference on Emergency Medicine

14 - 19 June 2022 | Hybrid Conference

Melbourne Convention and Exhibition Centre









The Future Is Now



Expand GED and GEDA

Augmented Reality

Virtual Reality

Telemedicine

Hospital at Home

Wearables

Artificial Intelligence Charting

Creating a world where all seniors, in all countries, have access to high quality
Geriatric Emergency Care





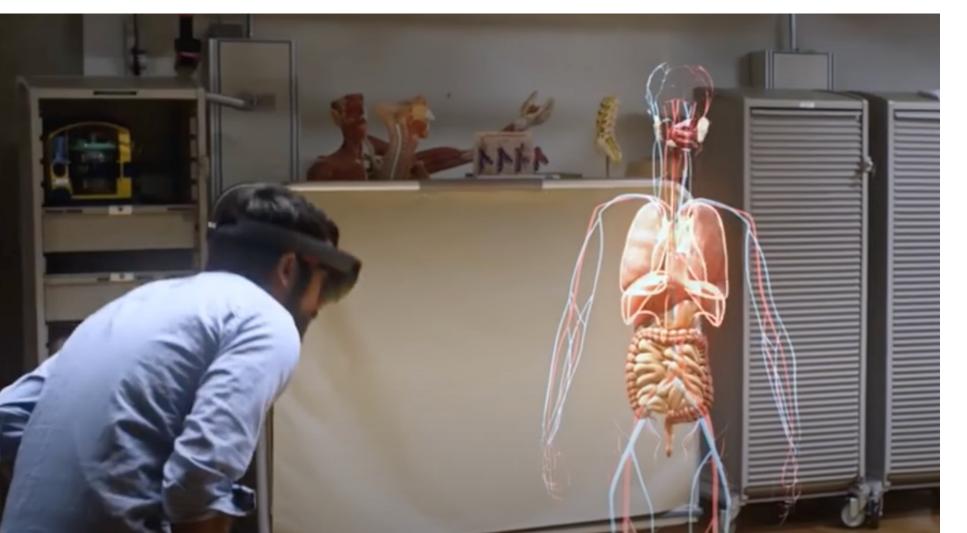
Augmented Reality





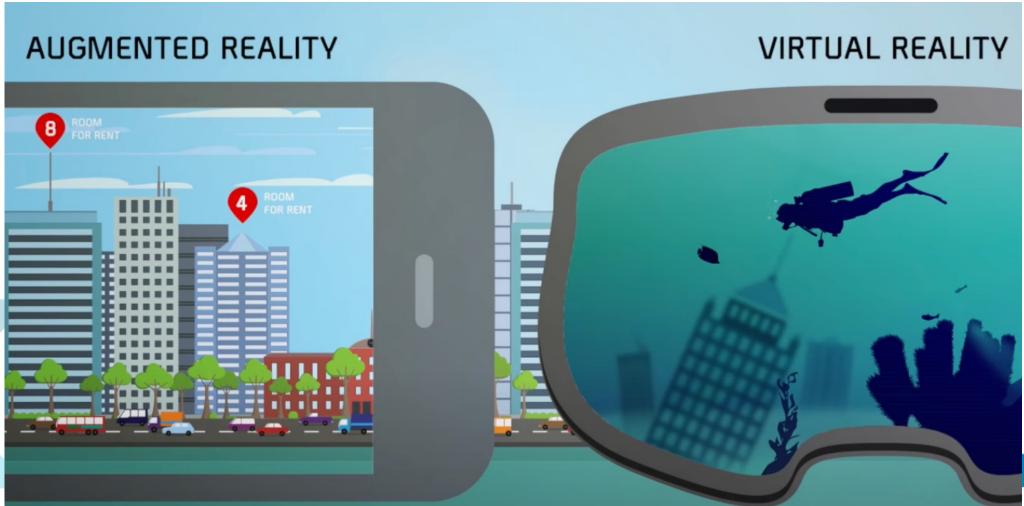
Augmented Reality





AR vs VR





Benefits of Telemedicine



Telemedicine offers a lot of benefits to both patients as well as healthcare providers.

Immediate access to specialists

Reduced visits to hospitals and healthcare centers

Early detection of diseases

Better treatment management

Improved health outcomes

Timely follow-up of patients

Access to comprehensive patient data

Can be used to expand resources





Hospital at Home

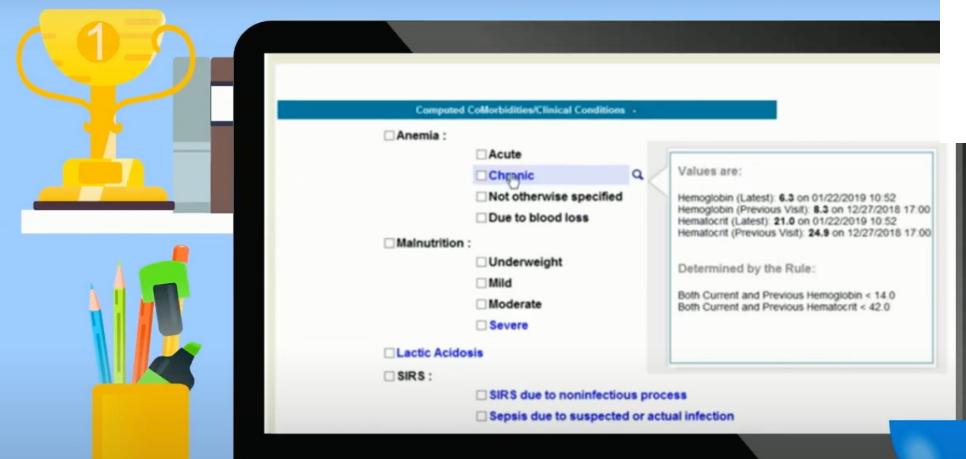








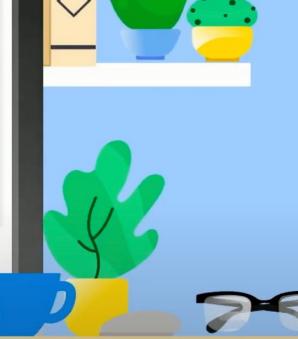
Artificial Intelligence Charting



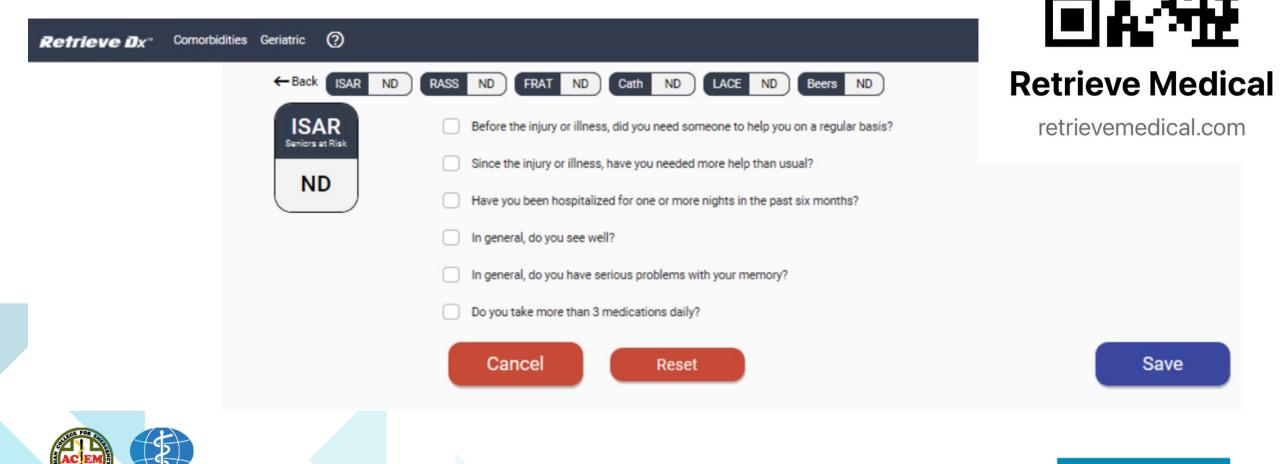


Retrieve Medical

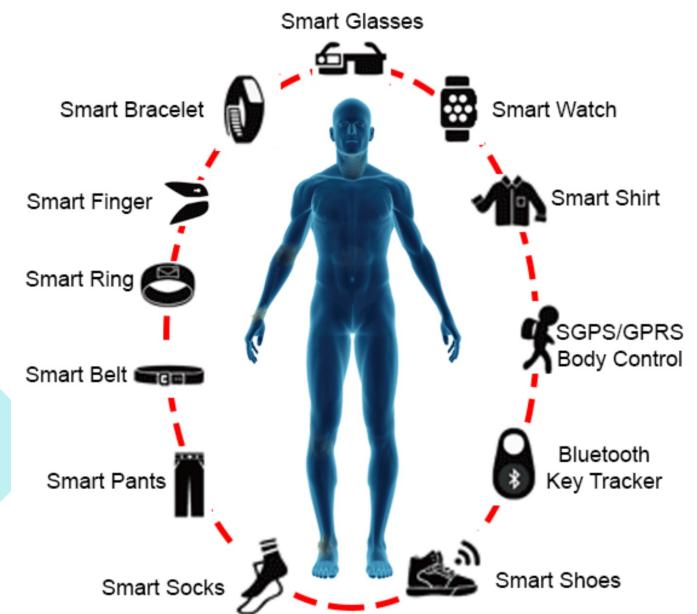
retrievemedical.com



Artificial Intelligence Charting



Wearables



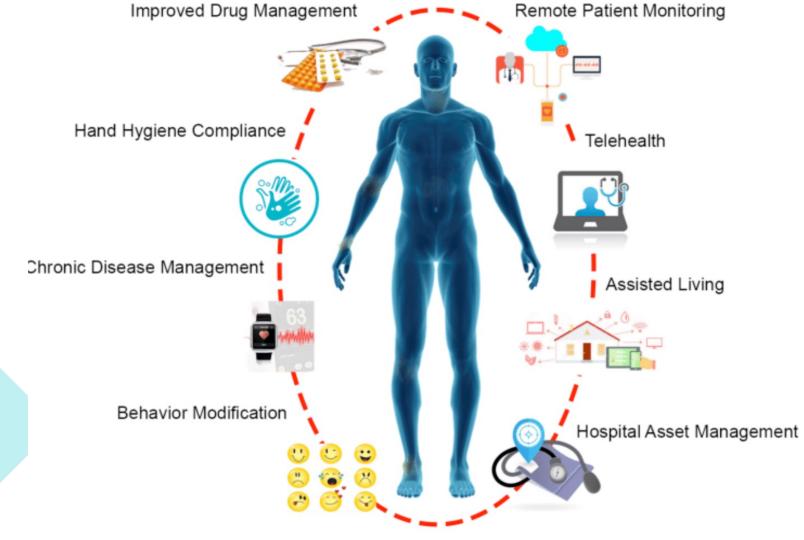






Wearables









My GED Journey



2002 – Aneurysm

2005 – Dialysis

2007 – The Senior Friendly ED Concept

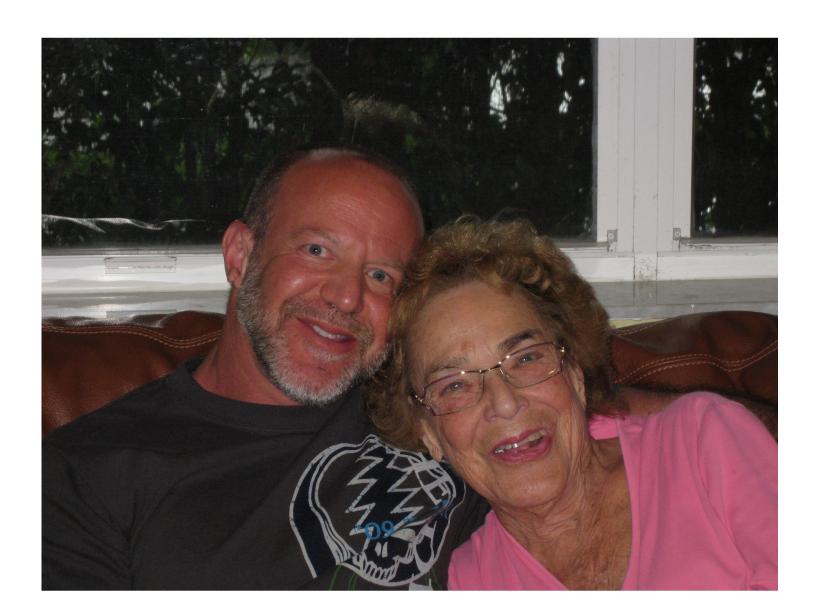
2009 – Opening of the GED

2014 – The GED Guidelines

2018 – GED Accreditation



This is dedicated to the ones we love



Questions



THANK YOU