

Models of Primary Care

Nathan Wilde - Senior Director of Revenue Cycle @ Tia
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My Background

R1RCM (Accretive Health): Started my career in revenue cycle management.

Optum: Expanded into data-driven RCM solutions.

Management Consulting: Advised healthcare systems at **ECG** and **North Highland**.

Health Tech/ Startups: Led RCM at **PlushCare** and **Tia**, building systems from the ground up.



Primary Care is Important

Out of all areas of the healthcare system, primary care stands out as the most **interesting** because it is the most **important**.

- **Gateway to the Healthcare System:** Primary care is typically the first stop for most patients entering the healthcare journey.
- **Critical First Impressions:** Getting things wrong at this stage can negatively impact the patient's entire experience with healthcare.
- **Making It Right:** On the flip side, when done right, primary care can significantly enhance the patient's overall healthcare experience.

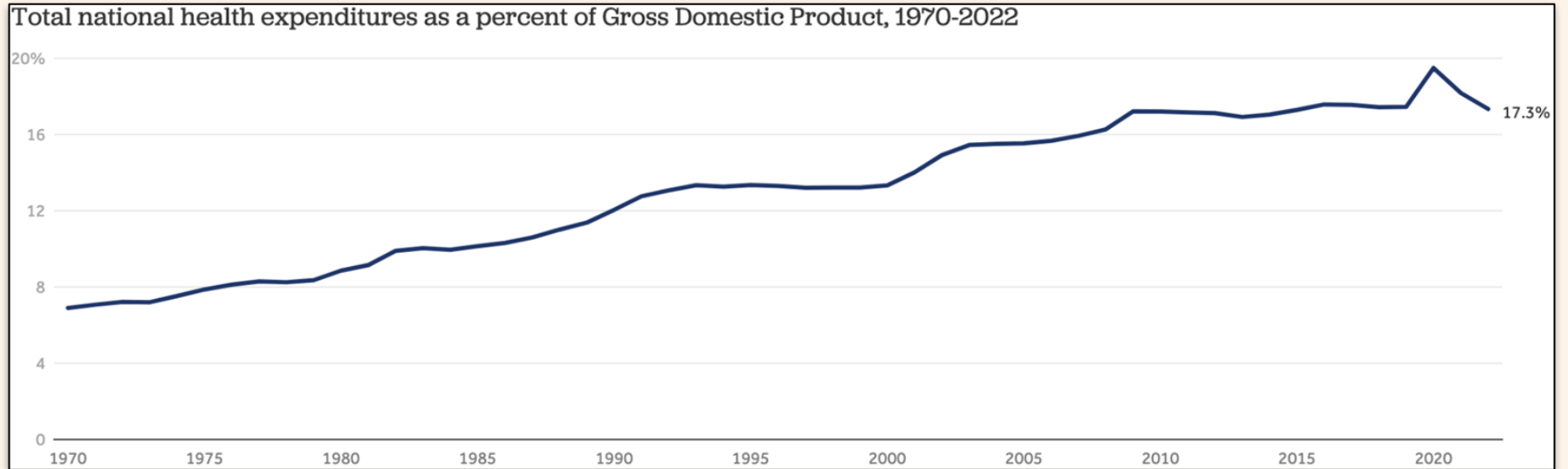
Hospital Operated By Dads Just Big Room For Patients To Walk It Off



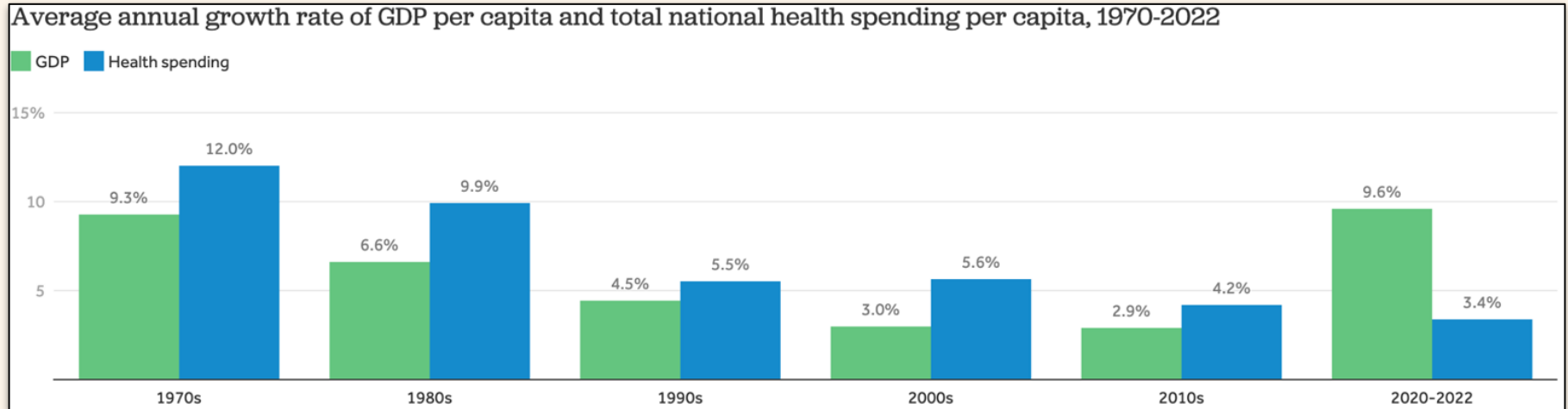
Spending

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Healthcare Spending

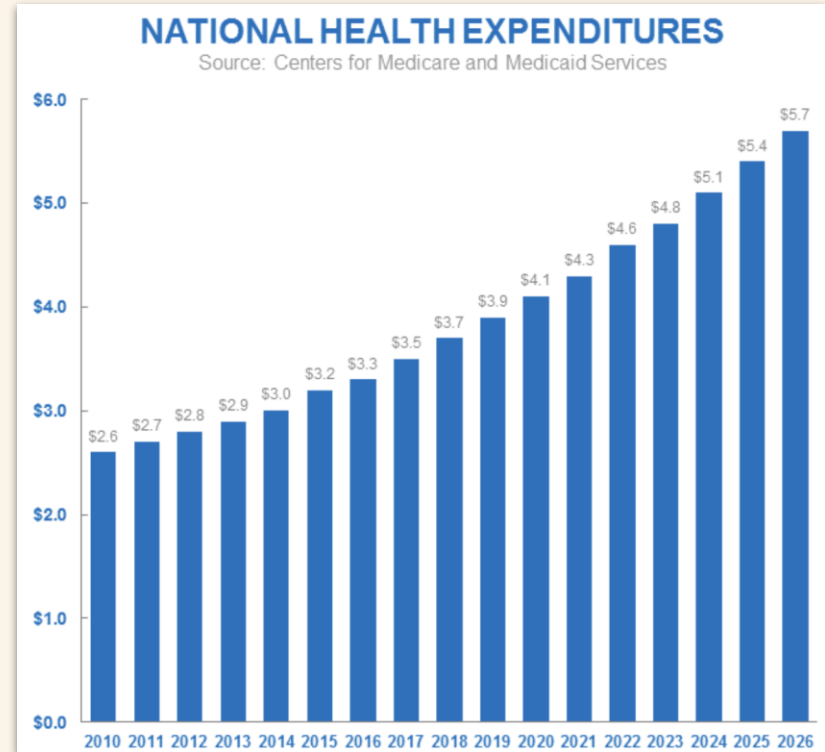


Healthcare Spending



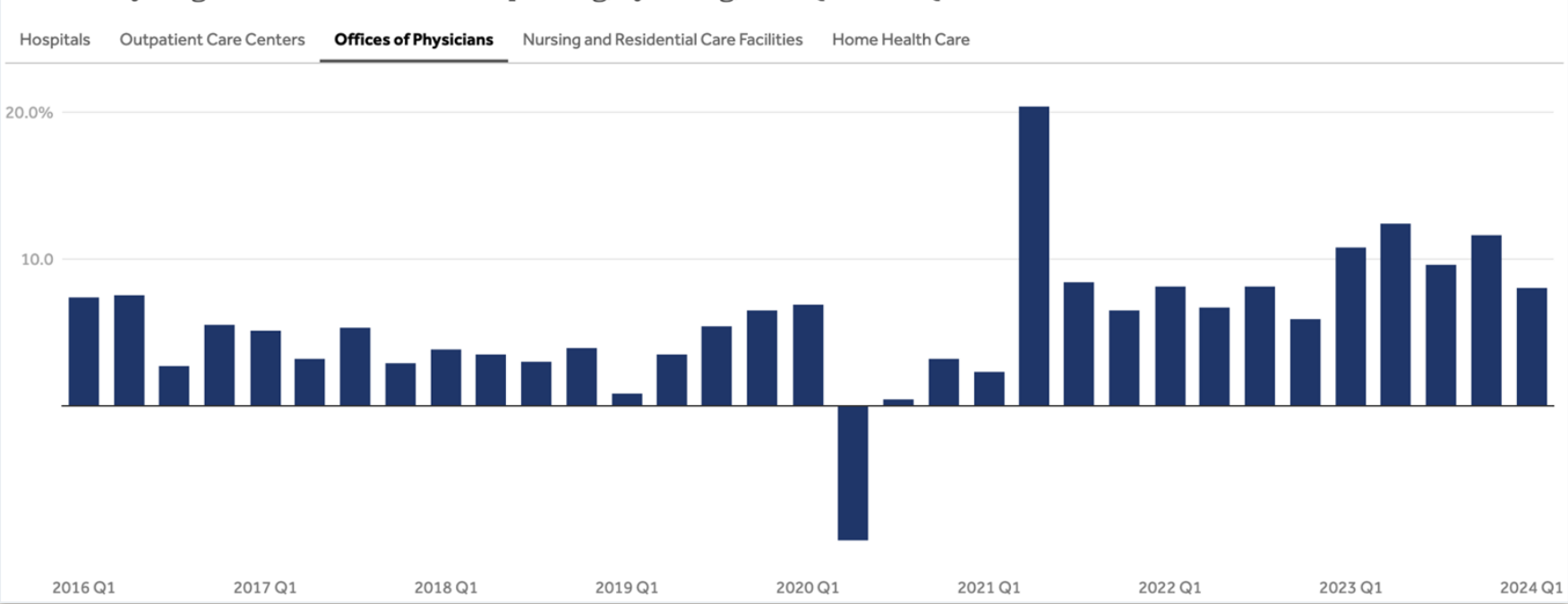
Healthcare Spending

- **Exponential Growth:** Healthcare spending will rise from **\$2.6 trillion in 2010** to **\$5.7 trillion by 2026**, nearly doubling in just over a decade.
- **Pandemic-Driven Spike:** A notable surge occurred from **\$3.9 trillion in 2019** to **\$4.8 trillion in 2022**, reflecting the impact of the COVID-19 pandemic.



Primary Care: A Top Health Spending Area

Year-over-year growth in health services spending, by setting, 2016 Q1 - 2024 Q1





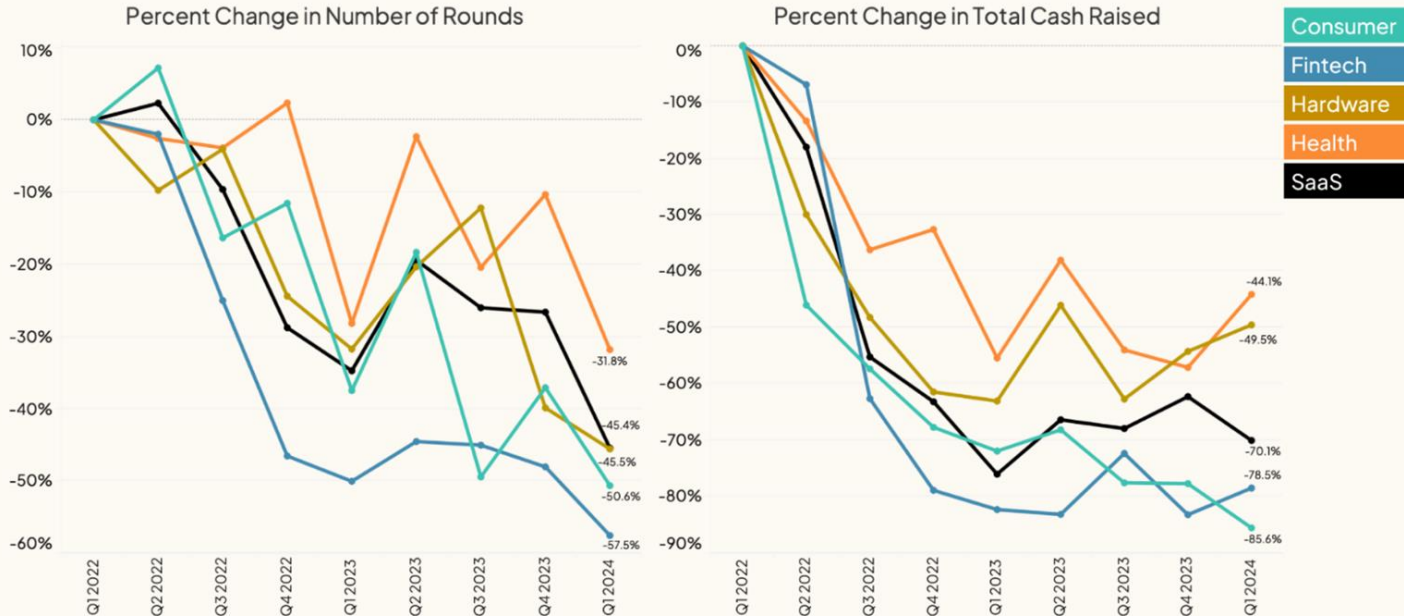
Venture Investment

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Venture Investment in Healthcare

The health sector held up better than other VC sectors

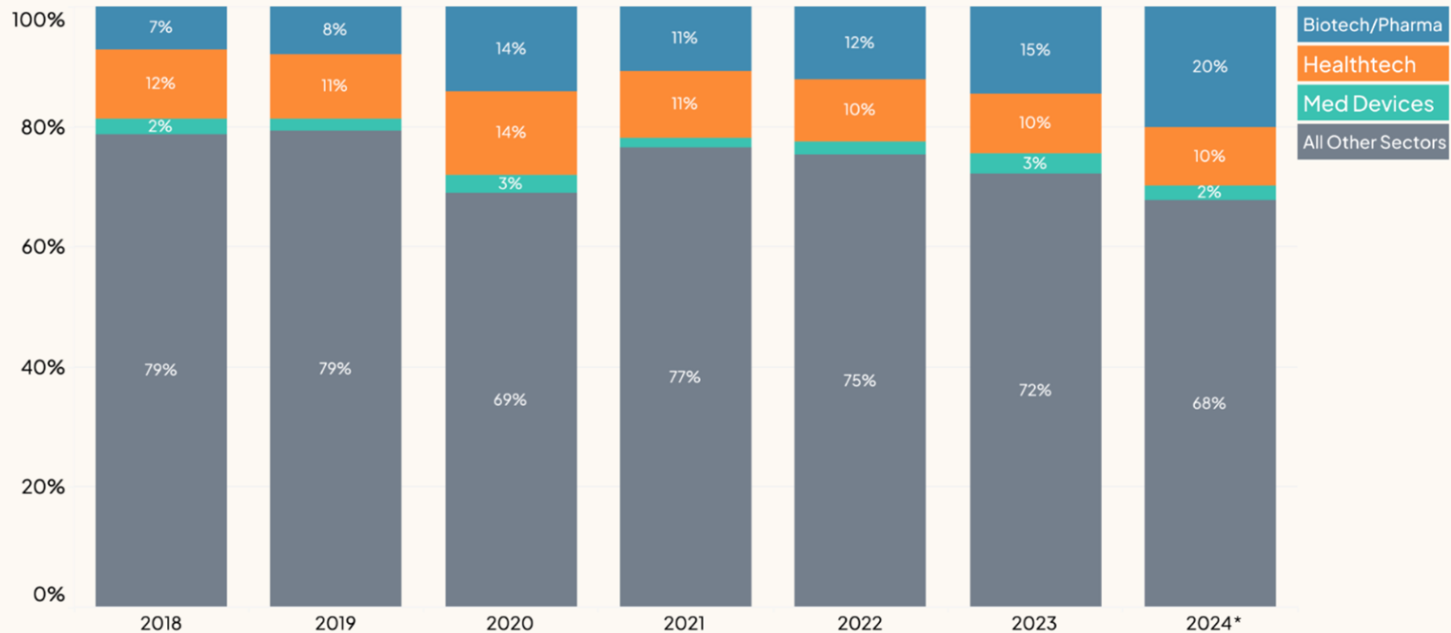
Percent change in number of rounds and total cash raised by industry | Q1 2022 - Q1 2024



Venture Investment in Healthcare

The health sector's share of venture capital has gone up since 2018

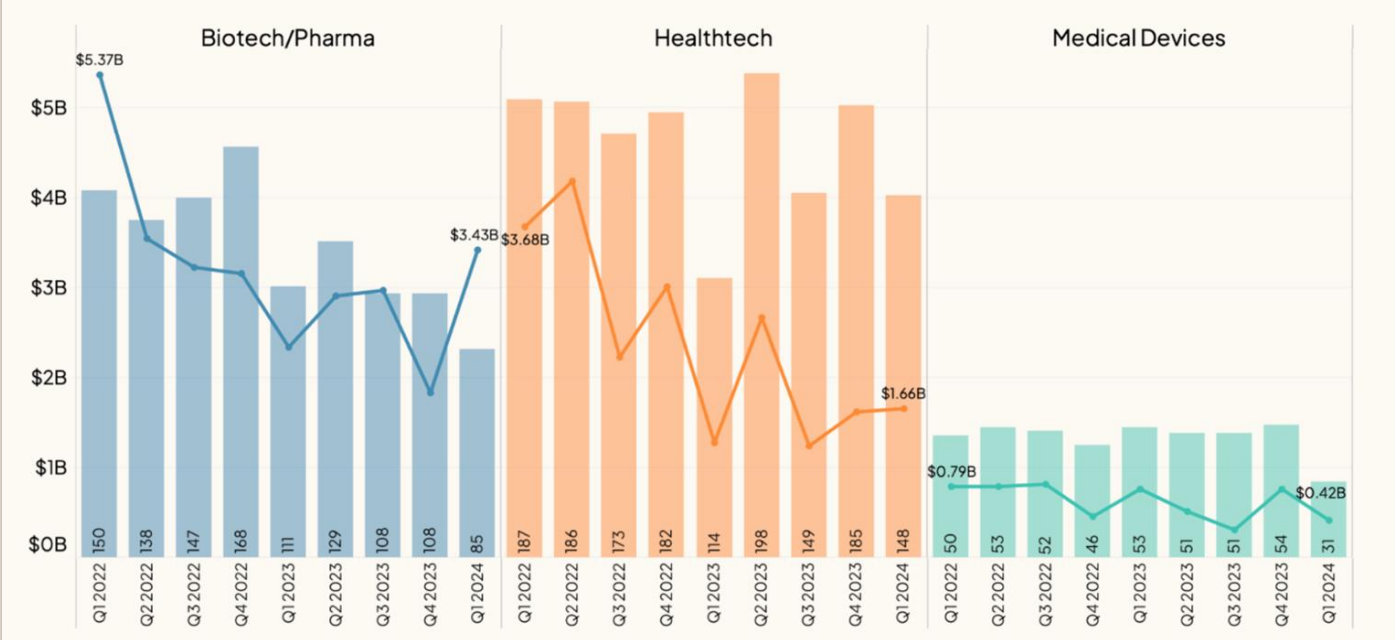
Percent share of total cash raised by health industry segment | *Data through Q1 2024



Venture Investment in Healthcare

Biotech/pharma leads in cash raised; healthtech leads in volume

Total number of rounds and total cash raised by health industry segment | Q1 2022 - Q1 2024



Primary Care is Changing

Primary care is evolving due to two key forces:

1. Transformation Catalysts (forces accelerating change):

These are factors that are actively pushing primary care into the future.

- **Technological Advancements** (AI, telehealth, & wearables).
- **Shifting Patient Expectations** (demand for personalized and accessible care).

2. Systemic Strains (forces demanding change):

These are the stressors and inefficiencies that are pushing the system to adapt.

- **Chronic Disease Burden** (increased prevalence and complexity of conditions).
- **Provider Burnout** (workforce fatigue and shortages).



Transformation Catalysts

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Transformation Catalysts - Tech advancements in Artificial Intelligence

Comfort Rising: 39% of Americans are now comfortable with AI in healthcare, despite initial discomfort.

Improving Outcomes: 38% believe AI will lead to better patient outcomes, reflecting growing optimism.

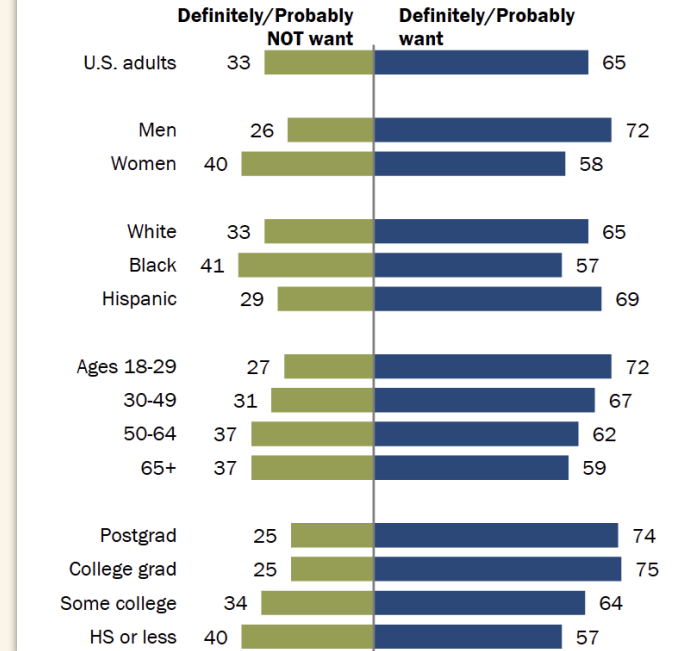
Reducing Errors: 40% think AI will reduce medical errors, improving care quality.

AI in Skin Cancer Screening: 65% of Americans would want AI used for their own skin cancer screening.

Younger Generations More Supportive: 72% of adults aged 18-29 support AI in healthcare.

65% of U.S. adults say they would want AI to be used in their own skin cancer screening

% of U.S. adults who say they would ___ artificial intelligence to be used in their screening for skin cancer



Transformation Catalysts - Tech advancements in Artificial Intelligence

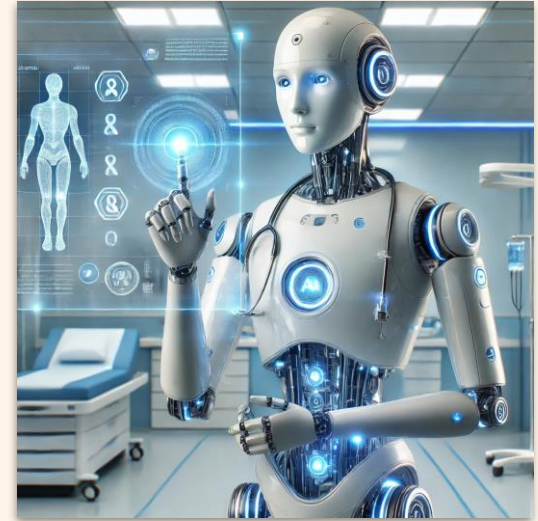
Precision Diagnostics & Chronic Care: AI analyzes patient data to detect early signs of chronic diseases, facilitating proactive interventions and offering personalized care management through real-time monitoring.

Operational Efficiency: Automating routine tasks like documentation and data entry, AI enables providers to focus on patient care, boosting both productivity and decision-making.

Proactive Prevention & Patient Engagement: AI identifies at-risk patients, drives preventive care, and scales patient outreach with automated communications, improving adherence and satisfaction.

Expanded Access to Care: AI-powered virtual assistants provide 24/7 access to healthcare information and responses to patient inquiries, reducing pressure on providers and improving patient accessibility.

Financial Upside: By reducing administrative burdens and optimizing workflows, AI enhances operational efficiency and strengthens financial outcomes across primary care practices.

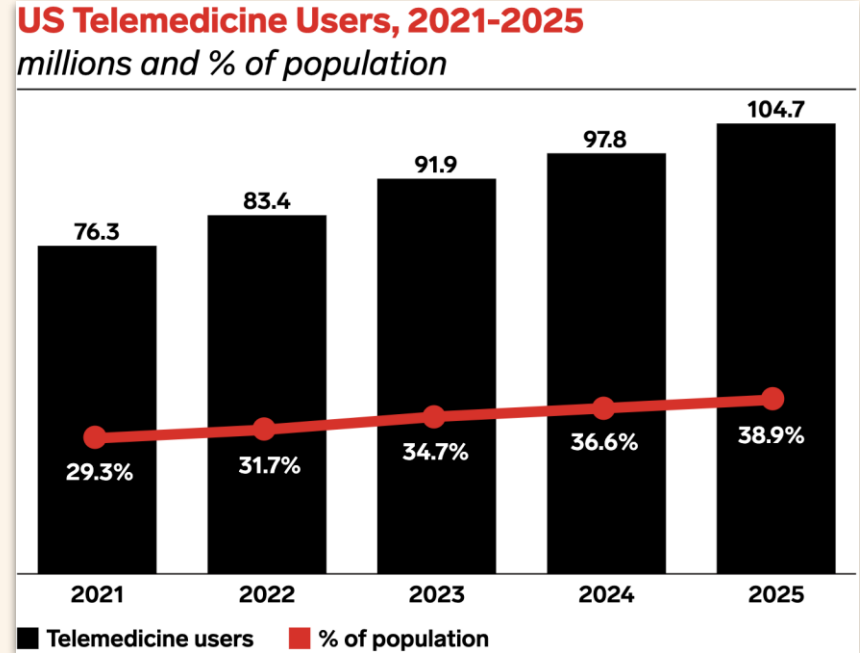


Transformation Catalysts - Tech advancements in - Telehealth

Widespread Adoption: By 2024, **97.8 million Americans** (36.6% of the population) are actively using telemedicine, highlighting its mainstream acceptance.

Sustained Growth: Telemedicine usage is projected to reach **104.7 million** users by 2025, representing **38.9%** of the U.S. population.

Post-Pandemic Integration: Telemedicine has transitioned from a pandemic necessity to a permanent and integral part of healthcare, expanding access to care across all demographics.



Transformation Catalysts - Tech advancements in - Telehealth

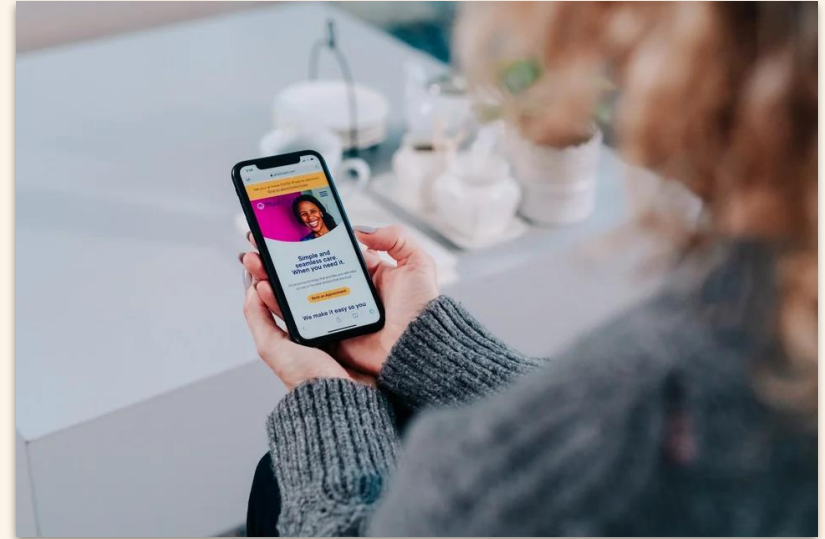
Expanded Access: Telehealth innovations bridge the gap in care for underserved and rural populations, increasing healthcare accessibility nationwide.

Improved Patient Monitoring: Integration with wearable devices and remote patient monitoring allows for real-time data collection, enhancing chronic disease management.

Enhanced Convenience: Telehealth platforms offer seamless scheduling, virtual consultations, and follow-ups, reducing barriers to care and improving patient satisfaction.

Cost Efficiency: Telehealth technology reduces overhead costs for providers while cutting travel and time expenses for patients, driving both patient and provider adoption.

AI Integration: The use of AI in telehealth platforms aids in diagnostics, patient triage, and personalized care plans, optimizing care delivery.



Transformation Catalysts - Tech advancements in - Wearables

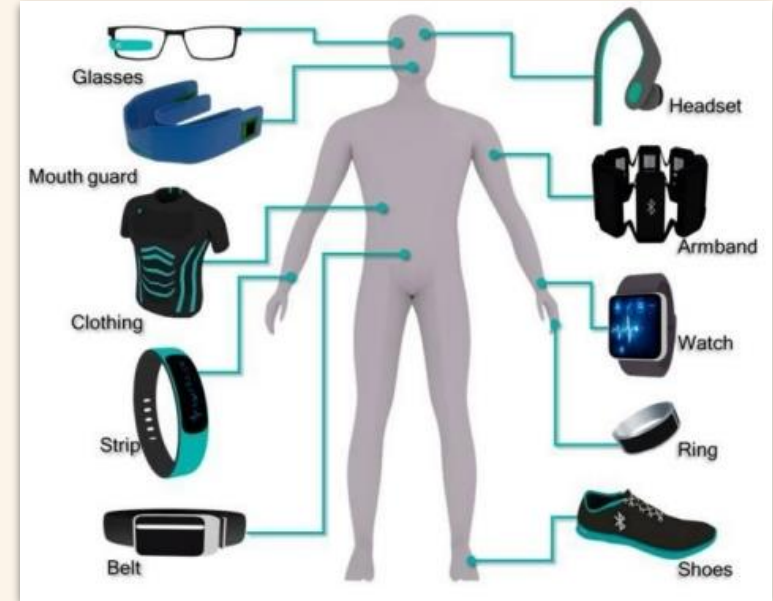
1. Smartwatches: Devices like Apple Watch and Fitbit monitor heart rate, physical activity, and sleep, making them popular for everyday health tracking.

2. Fitness Trackers: Focused on tracking steps, calories, and exercise, devices like Fitbit Charge and Garmin are widely used for fitness and lifestyle improvement.

3. Wearable ECG Monitors: Devices like KardiaMobile monitor heart rhythms and are especially valuable for detecting irregularities such as atrial fibrillation.

4. Continuous Glucose Monitors (CGM): Devices like Dexcom G6 and FreeStyle Libre provide real-time glucose monitoring for diabetic patients.

5. Biosensors: Wearable sensors like the Oura Ring track various health metrics including heart rate variability, sleep, and activity, offering deeper health insights.



Transformation Catalysts - Tech advancements in - Wearables

Real-Time Monitoring & Data: Continuous tracking of vitals (e.g., heart rate, glucose) provides actionable data for early interventions and personalized, adaptive treatment plans.

Chronic Disease & Remote Management: Wearables reduce hospital visits by enabling efficient, data-driven management of chronic conditions through both in-person and virtual care.

Telehealth Integration: Wearables supply continuous data during virtual visits, improving diagnostic accuracy and care coordination, especially for remote patients.

Preventive: Data from wearables on physical activity, sleep, and habits encourages healthier behaviors, supporting preventive care and long-term health improvements.



Transformation Catalysts - Shifting Patient Expectations

Demand for Seamless Access: Patients now expect healthcare to be as accessible as any consumer service, driving the adoption of telehealth, virtual care, and on-demand consultations.

Integration of Wellness & Fitness: Healthcare is increasingly expected to include wellness components like fitness, nutrition, and mental health for a holistic approach to care.

Personalized Treatment: Patients seek care tailored to their unique health data, lifestyle, and preferences, pushing providers to offer more customized solutions.

Transparency & Engagement: There's growing demand for clear communication, transparent pricing, and a collaborative role in healthcare decisions.



Transformation Catalysts - Shifting Patient Expectations



Systemic Strains

Systemic Strain - Chronic Disease Burden

- **6 in 10 U.S. Adults** have at least one chronic disease.
- **4 in 10 U.S. Adults** suffer from two or more chronic diseases.
- Chronic diseases are the leading cause of **death and disability** in the U.S.
- They account for **\$3.5 trillion** in annual healthcare costs.
- **Heart disease, cancer, and diabetes** are among the most prevalent and costly chronic conditions.
- Chronic diseases are responsible for **90% of healthcare spending** in the U.S.
- **Diabetes** affects **34.2 million** people in the U.S. and costs over **\$327 billion** annually in direct medical expenses.
- **Chronic kidney disease** affects **37 million** Americans, with treatment costing **\$120 billion** annually.

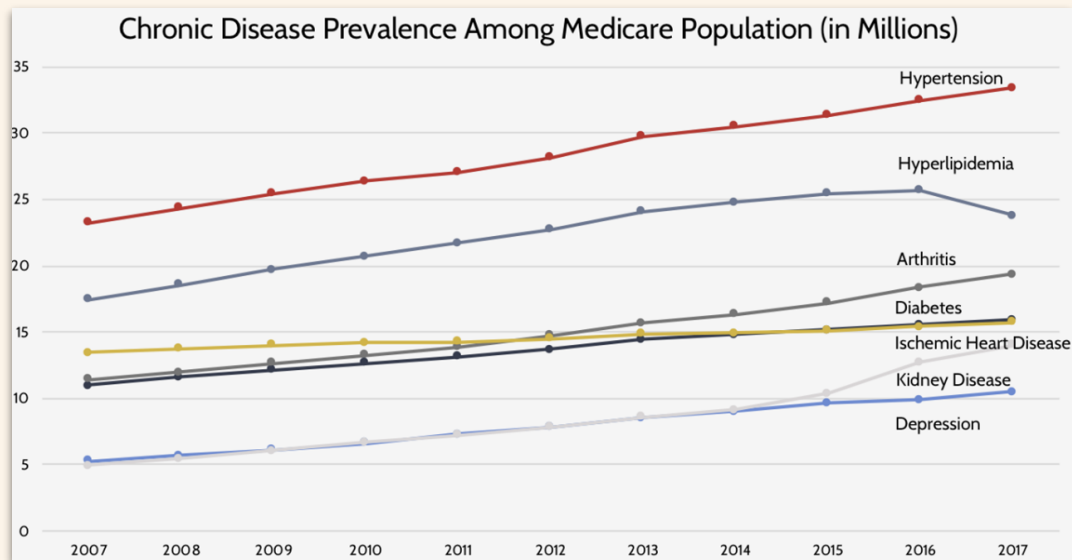


Systemic Strain - Chronic Disease Burden

Increased Primary Care Demand: With chronic disease affecting more Americans than ever before, primary care is seeing a surge in patient volume. Chronic conditions such as heart disease, diabetes, and obesity now require ongoing management, driving up the need for frequent primary care visits.

Pharmaceutical Solutions Require Oversight: The rise of novel pharmaceutical treatments, such as **GLP-1** medications for diabetes and obesity, offers promising outcomes but demands **closer monitoring** and regular check-ins to manage side effects and adjust dosages.

Complexity of Care: As more treatments become available for chronic conditions, patients require more frequent, coordinated, and personalized care, increasing the **workload for primary care providers**.



Systemic Strain - Provider Burnout

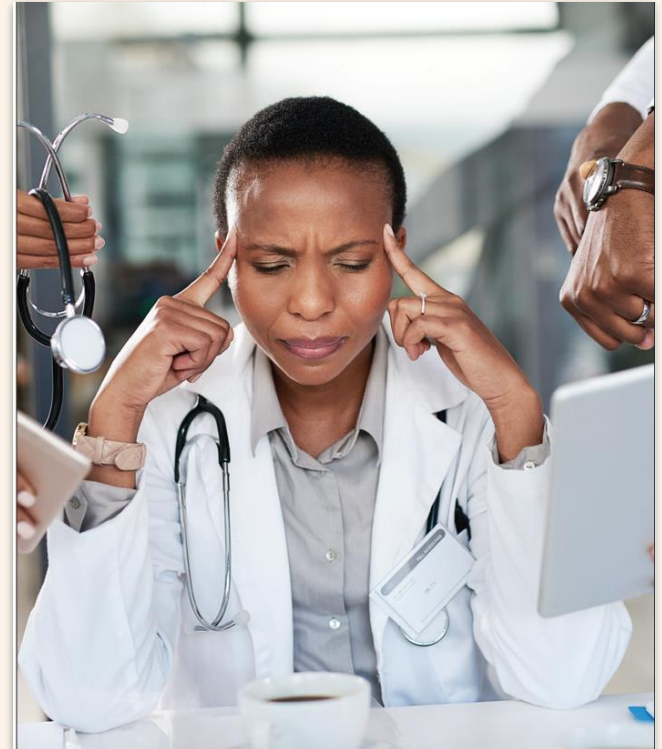
Burnout Crisis: Over **50% of healthcare providers** report experiencing burnout, leading to emotional and physical exhaustion.

Key Contributors:

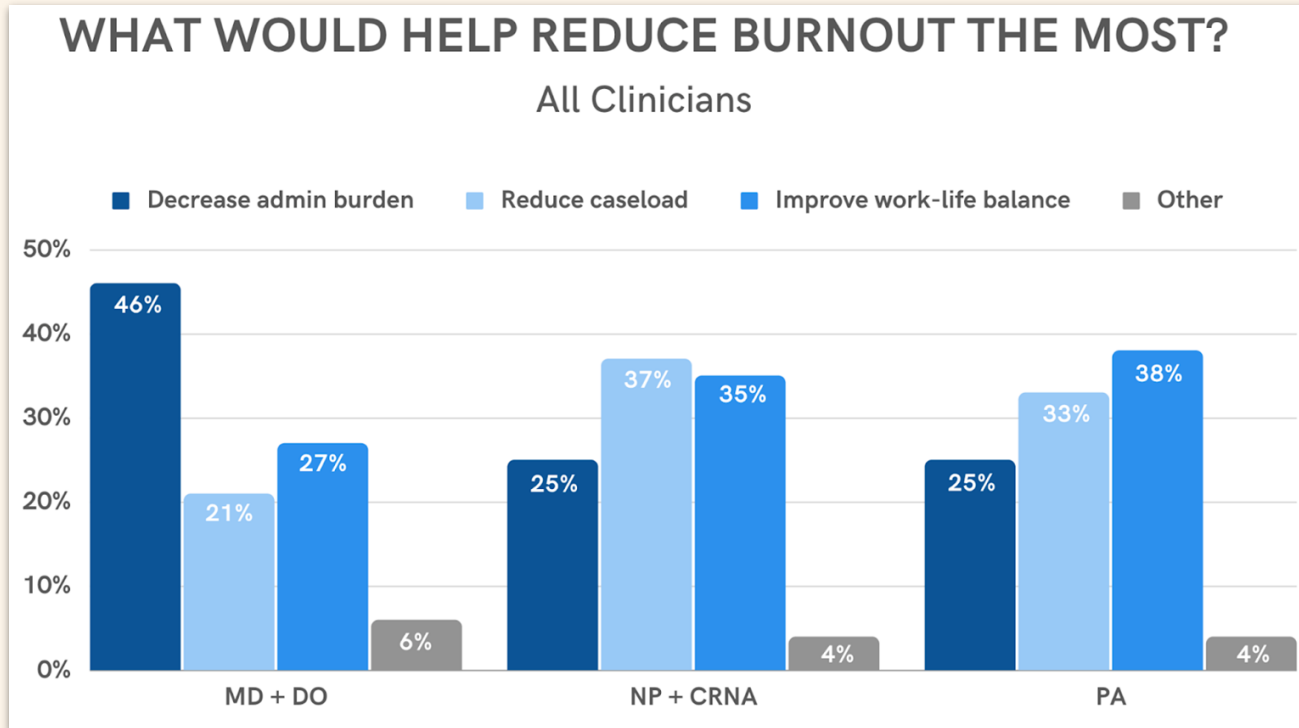
- **Intense Workloads:** The rising number of patients, particularly those with chronic illnesses, is overwhelming providers.
- **Complexity of Care:** Providers face increasingly complex cases, requiring more time and mental energy.
- **Administrative Load:** Excessive non-clinical tasks, like paperwork and regulatory compliance, further drain energy and time.

Consequences:

- **Declining Care Quality:** Burnout contributes to increased medical errors and reduced patient satisfaction.
- **Staff Turnover:** High burnout levels are driving early retirements and worsening workforce shortages.

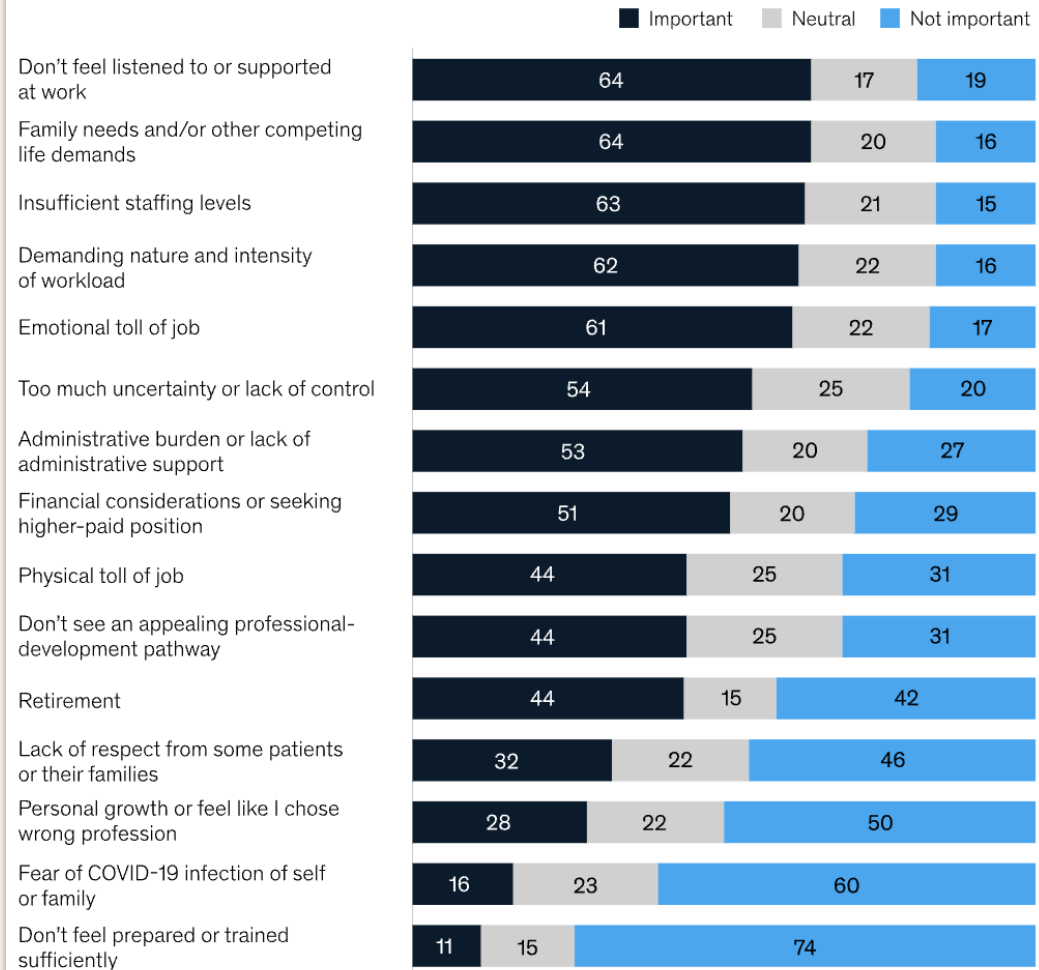


Systemic Strain - Provider Burnout



Factors influencing decision to leave current position,¹

% of respondents, n = 451



Recap

Increased Spending



Increased Investment



Transformation Catalysts



Systemic Strains



Novel Primary Care Models



Novel Models of Primary Care

Novel Primary Care Models

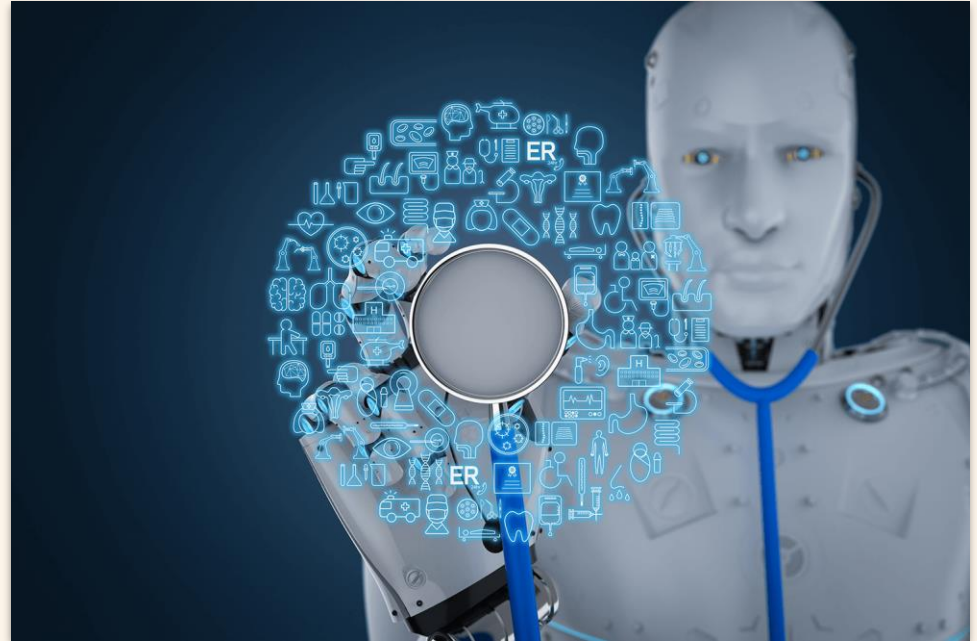
Harnessing transformation catalysts & systemic strains to Redefine Care Delivery

Virtual-First Care: Telehealth-driven for easier access.

Direct Primary Care: Membership model for unlimited care.

Concierge Medicine: Personalized care with exclusive access.

Condition-Specific Virtual Care: Tailored virtual care for chronic conditions.



Virtual-First Care

PlushCare: A pioneer in virtual-first care, PlushCare offers patients access to licensed physicians through telehealth consultations. With over **500,000 users**, PlushCare delivers quick, convenient care, including diagnosis, treatment, and prescriptions, without the need for in-person visits.

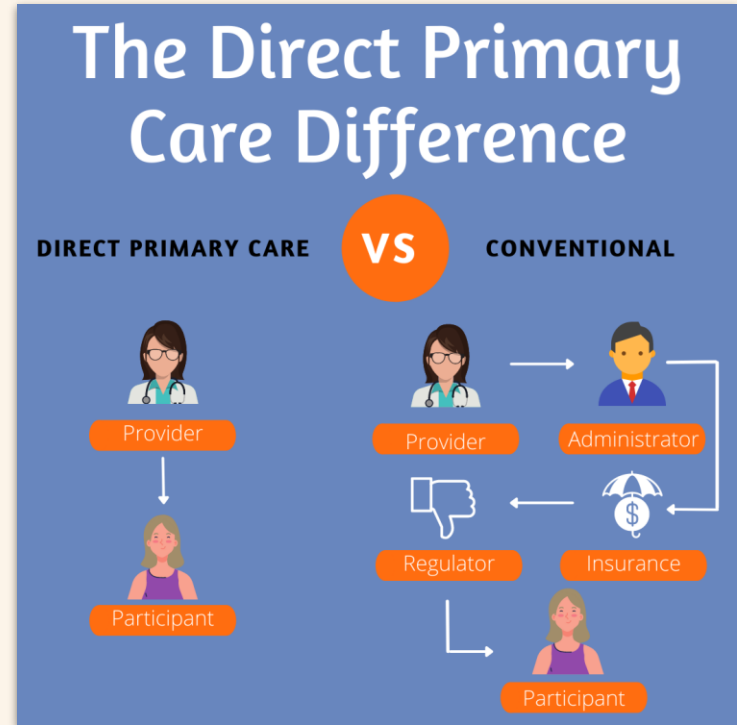
Tia: Tia integrates telehealth with in-person services to provide women with holistic healthcare. Patients can begin with virtual visits and transition to in-person care as needed, ensuring both **accessibility** and **personalization** in women's health.

Circle Medical: A virtual-first primary care provider partnered with **UCSF Health**, Circle Medical offers ongoing telehealth services for **chronic disease management**, preventive care, and same-day virtual visits, making healthcare accessible from anywhere.



Direct Primary Care

Forward: A tech-driven direct primary care model offering personalized care with a monthly membership, including unlimited visits, preventive care, and real-time health data.



Concierge Medicine

Eden Health:

A concierge healthcare provider offering a blend of **telehealth**, **in-person care**, and **behavioral health** services. Eden Health integrates care coordination for employers, ensuring seamless, personalized experiences. Patients benefit from 24/7 access to healthcare professionals and enhanced patient-provider relationships through continuous, individualized care.



Crossover Health:

Provides **membership-based concierge care** designed for self-insured employers. Crossover Health delivers comprehensive, personalized healthcare through **physical and virtual centers**, with a focus on preventive care, chronic disease management, and integrated wellness programs that cater to the specific needs of each patient.



Condition-Specific Virtual Care

Allara Health:

Specializes in virtual care for **women with polycystic ovary syndrome (PCOS)**. Allara Health offers personalized treatment plans through telehealth, connecting patients with specialists in **hormonal health** and **reproductive care**, supported by continuous coaching and lifestyle management.

Midi Health:

Focuses on **women's midlife health**, providing virtual care for conditions related to **menopause** and hormonal changes. Midi Health offers telehealth consultations with specialists, giving women personalized, comprehensive care to manage symptoms and improve their quality of life during this critical stage.

Pandia Health:

A telemedicine platform dedicated to **birth control management**. Pandia Health provides online prescriptions and medication delivery, ensuring consistent, easy access to contraception without the need for in-person visits.

Allara
MIDI


pandia
health

The background is a solid pink color with several white, hand-drawn, abstract scribbles of varying sizes and shapes scattered across it. The scribbles are composed of single continuous lines and some overlapping loops.

Thank you!

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