

EARLIER REIMBURSEMENT AS A DRIVER OF VALUATION

WHY DEVELOPING REIMBURSEMENT STRATEGY IS CRITICAL FOR MEDTECH COMPANIES?

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Experience (partial list)

| Aesthetic Medicine | Allergy | Ambulatory Monitoring | Anesthesiology | Biologics | Biomarkers | Brain / Neurosurgery | Cancer Therapies |
|-------------------------------|------------------------------|----------------------------|----------------|-------------------------------------|------------------------------|-------------------------|-----------------------------|
| Cardiology | Cellular Therapies | Critical Care | Cryosurgery | Dermatology | Diabetes | Digital Health | Drug Delivery |
| Drug / Device Combinations | Durable Medical Equipment | Emergency Medicine | Endoscopy | Gastroenterology | General Surgery | Health IT | Healthcare Services |
| Hematology | Hepatology | Home Care | Hypertension | Hyperthermia | Interventional Cardiology | In-Vitro Diagnosis | Interventional Radiology |
| Light-Based Therapies | Neurology | NICU | Ophthalmology | Orthopedic | Pain | Patient Monitoring | Pathology |
| Pulmonary | Radiology / Imaging | Rehabilitation Medicine | Renal | Robotics / Navigation Systems | Sleep Medicine | Speech Therapy | Spine Surgery |
| Surgical Simulation | Telemedicine | Transfusion Medicine | Urology | Vascular Medicine | Wearable Devices | Wellness / mHealth | Wound Care |



Our Focus

- Support companies developing and introducing new technologies
- Help increase the likelihood that the technology will be adopted



Today's Agenda

- Why 'Reimbursement' is important?
- Codes and Coverage 101
- The changing landscape of reimbursement in the U.S.
- So, what do we need to do?
- Case studies
- Questions?



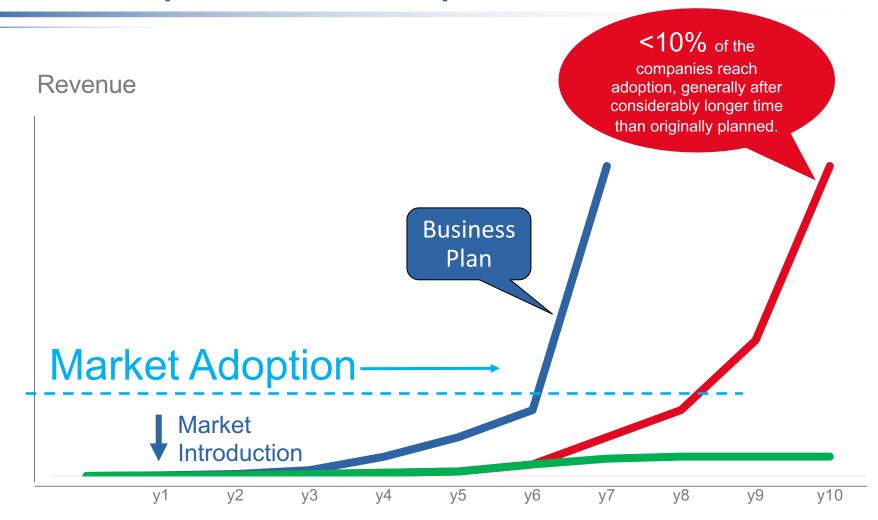
Why

'Reimbursement'

is Important?



Most Companies Miss Their plans

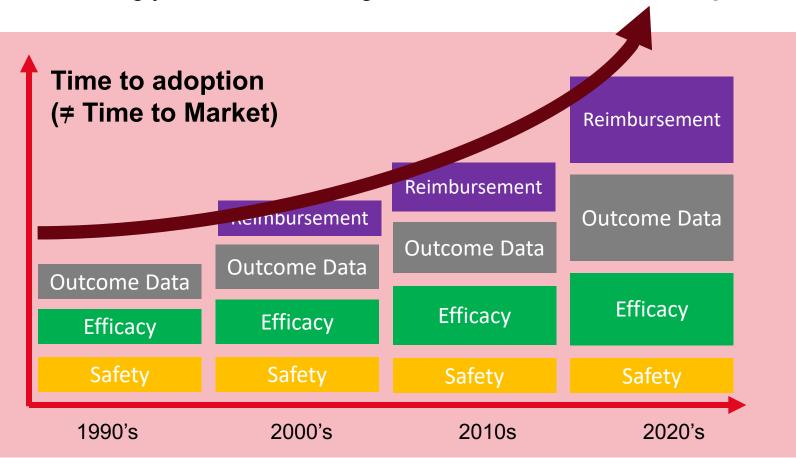




The Adoption Paradox

While the **need** for new technologies is increasing,

It is increasingly more difficult to gain clinical and market adoption.





Reimbursement -

A Key Requirement for **Adoption** of NEW Technologies

What does it mean to 'have reimbursement'?

- ✓ The technology or procedure is covered...
- ✓ The coverage is sufficiently broad...
- The payment is appropriate covering the costs of physicians, hospitals, distributors and manufacturer

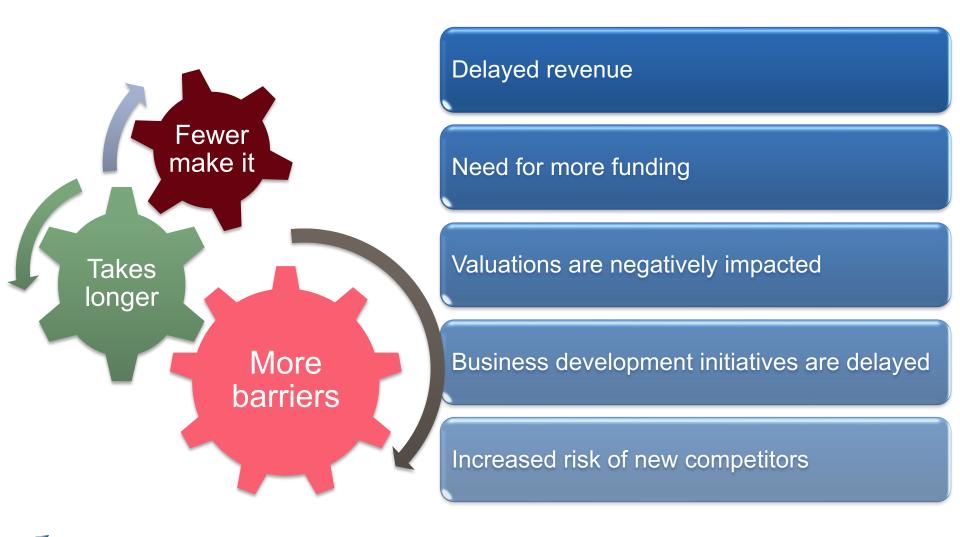
Favorable reimbursement does not guarantee utilization of the technology...

But,

Lack of reimbursement adversely impacts utilization.



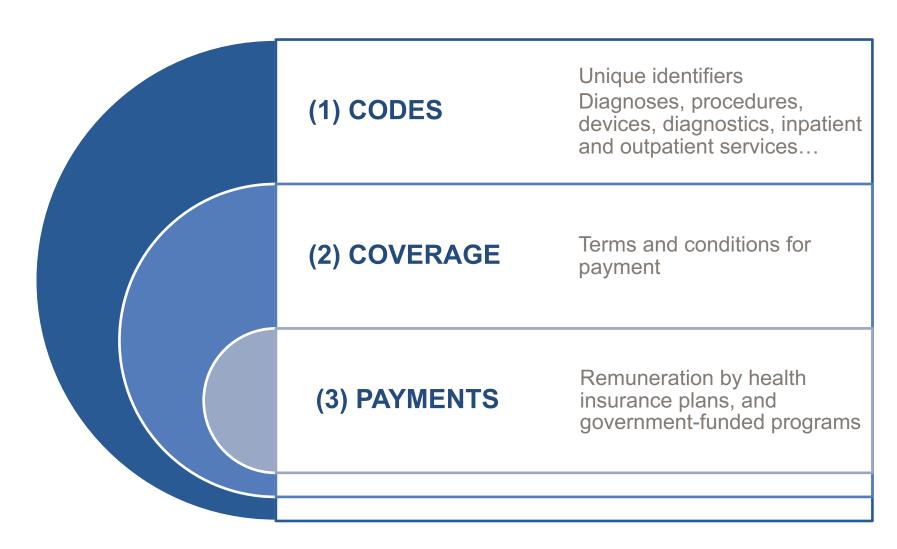
Longer Time-To-Adoption Has Considerable Implications



Codes and Coverage 101



Reimbursement - Three Distinct Elements

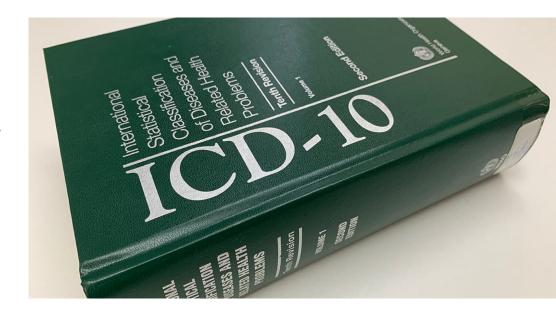




The International Classification of Diseases, 10th Edition (ICD-10)

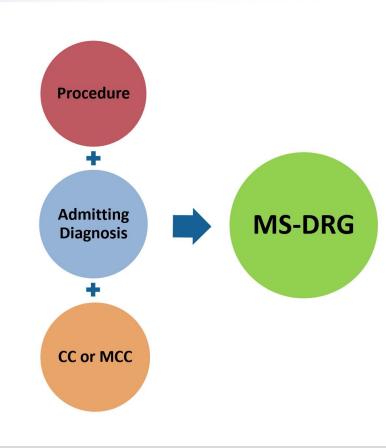
- ~70,000 diagnosis codes
- ~70,000 procedure codes

- Published by The World Health Organization (WHO)
- Updated annually



Diagnosis Related Groups (DRG)

- ~740 DRG categories, inpatient care.
- The DRG is determined by the principal diagnosis, the principal procedure, and secondary comorbidities and complications.
- Enable standardized prospective payments to hospitals, based on the average cost to deliver care to a patient with a particular disease.



DRG payments cover all charges associated with an inpatient stay from admission to discharge, including nursing services, room and board, diagnostic and all ancillary services, EXCEPT PAYEMNTS TO PHYSICIANS.

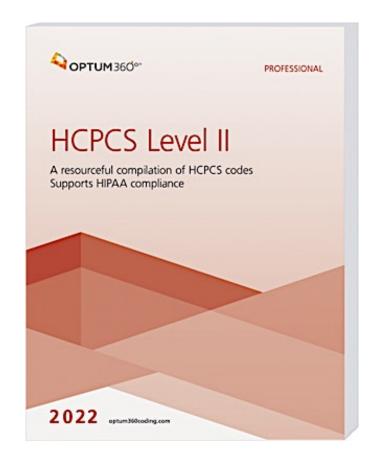
Healthcare Common Procedure Coding System (HCPCS Level II)

Codes describing items,

supplies and non-physician

services not covered by payments
for other services.

- Maintained by Medicare
- Updated quarterly





CPT (Current Procedural Terminology) Codes

Used to report medical, surgical, and diagnostic procedures and services.

- Over 10,000 codes
- CPT codes are maintained by AMA

Recent initiatives include codes for

- Digital services
- Remote monitoring and therapeutic services
- Al-based technologies
- Software-only devices





CPT Codes

Category I

Significant requirements, including -

- Multiple publications
- Installed / growing user base in the U.S.
- Support of relevant professional societies

Reimbursement by payers is more likely

Category III

Assigned to **emerging technologies**, for <u>services that do **not meet**</u> <u>requirements for a Category I code</u>.

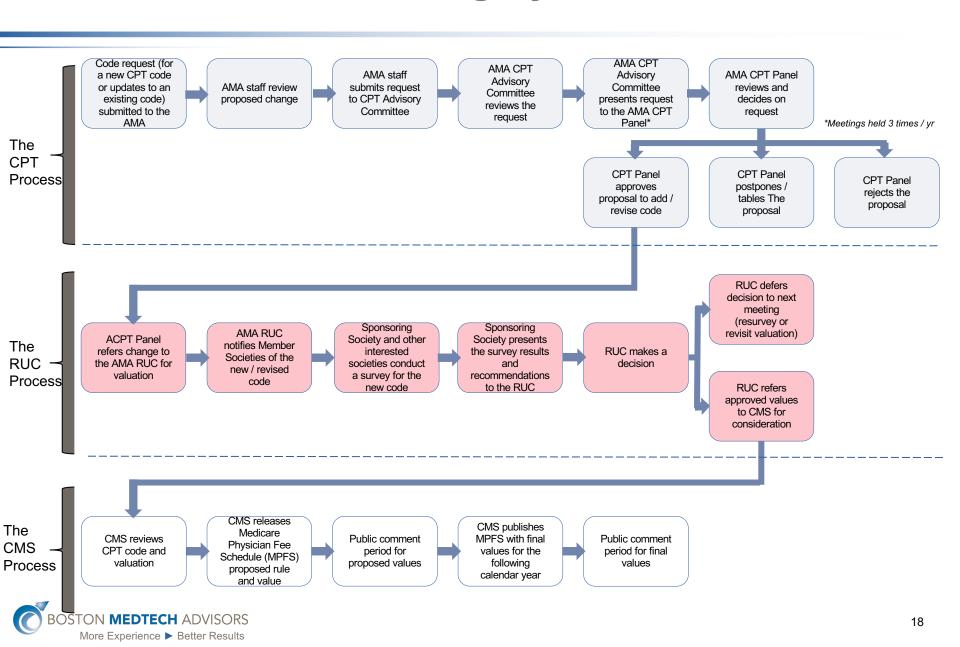
 Remain in effect for 5 years, unless replaced earlier by a Category I code.

Possible, but less likely to be reimbursed.

Most new technologies start with Cat III



Development of a New CPT Category | Code



The Coding Industry

- ~100,000 coders
- 1.4 billion claims / year
- 14% of claims (200M) denied



FDA approval does not guarantee reimbursement

FDA approval of a device allows its marketing in the U.S.

Payers decide whether to cover the device or the procedure.

Most FDA approvals for new technologies require a single study documenting safety and efficacy.

Payers' decisions are based on multiple peer-review publications assessing clinical outcomes.

Coverage - ASSESSED BY EACH PAYER

Medicare

Coverage is governed by statue - "reasonable and necessary for the diagnosis or treatment of illness or injury."

 Economics - not a consideration (at least not formally)

Private Plans (e.g., BCBS)

Each plan sets own criteria for coverage

- The technology improves health outcomes
- The technology is beneficial as established alternatives
- Considering clinical <u>and</u> economics of procedure



Is Reimbursement Environment Finally Changing?

Maybe...



Healthcare Coverage in the U.S.

Medicare.

Federal program, ages >65 and permanently disabled

17% of population.

~35% Medicare Advantage.

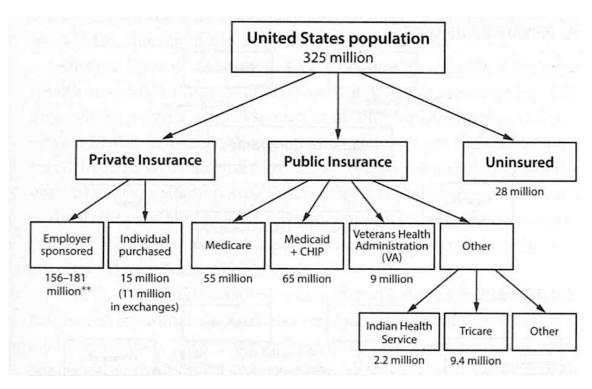
Medicaid.

Lower income (administered by states)

>25% of population.

Commercial / private Insurance.

- Employers funded and self-pay
- Individual purchase



U.S. Healthcare

~\$4 trillion

~\$12,000 per person

2020: >19% of GDP

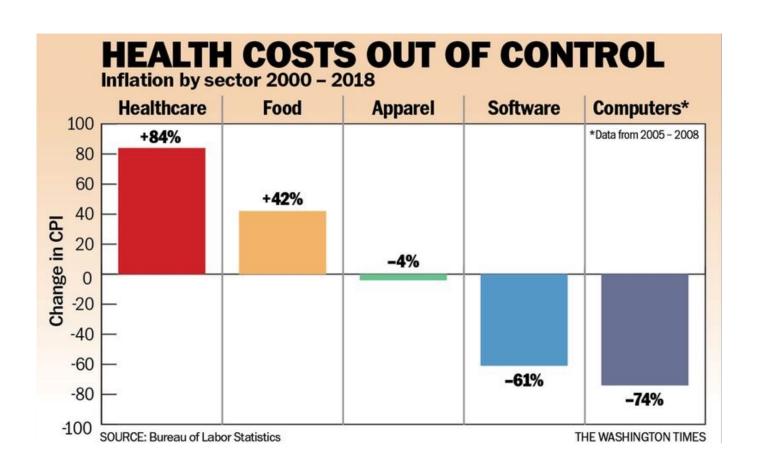
(1980: 8.9%)

Germany 11.7%

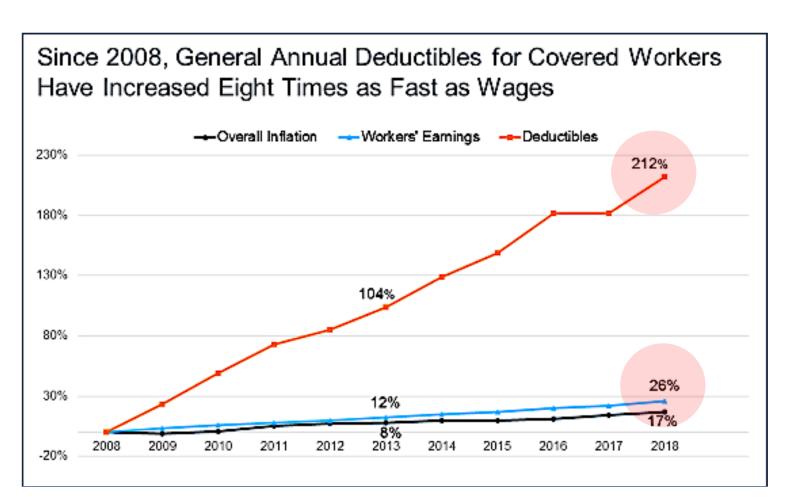
Av. OECD <10%

| Federal government | 28% |
|-----------------------------|-----|
| State and local governments | 17% |
| | |
| Private business | 20% |
| Individuals | 28% |
| Other private sources | 7% |





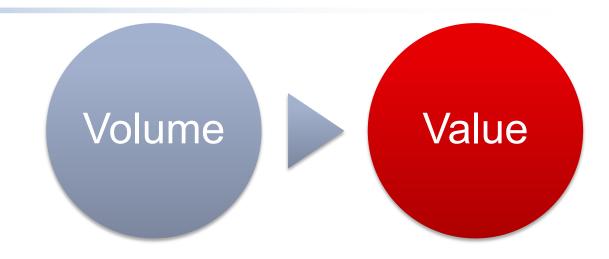




Source: Kaiser Family Foundation



CHANGE IS UNDERWAY



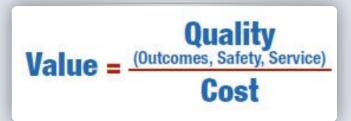


"We are moving to a system that rewards value over volume".

Paying for value will foster innovation, as providers look for ways to compete by providing the highest quality care at the lowest cost."

What Constitutes Value?

"Value is measured by patient health outcomes per dollar spent"



Quality improvements (examples):

- Prevention of illness
- Early detection
- Right diagnosis
- Right treatment to the right patient
- Rapid cycle time of diagnosis and treatment
- Fewer invasive treatments

- Fewer complications
- Fewer mistakes and repeat treatments
- Faster and more complete recovery
- Lees need for long-term care
- Fewer recurrences
- Reduced need for ER visits
- Slower disease progression



The Emerging Landscape

Future Past Volume based incentives → Value based / outcomes Fee-for-service **Bundled** care Payers assume financial risk → Payers & providers share risk Devices selected by physician → System decisions Clinical, operations, marketing, economics



Many Reforms and Initiatives are Being Evaluated

- Accountable Care Organizations (ACO). Shift from fragmented and inconsistent care to coordinated care and measured performance
- Value-Based Purchasing (VBP) Program. Reward value and patient outcomes, instead of just volume of services
- Reduced Payments for Hospital Acquired
 Conditions. Stop paying for certain conditions developed while the patient is
 hospitalized
- Hospitals Readmission Reduction Program. Reduce payments to acute care hospitals with excess readmission
- Risk sharing



So, What Do We Need To Do?



'Reimbursement' Affects Financial Success

Investors want to know early on what it will take (time, funds) to obtain reimbursement

GTM strategy is impacted by lack <u>or</u> availability of reimbursement and scope of coverage

Sales are difficult to ramp-up until reimbursement is established

Marketing partners and acquirers hold off getting involved until reimbursement is established.



Addressing reimbursement early in the project life

Failure to address reimbursement early in the project life

Past

Not important



Not a big deal

Yesterday

Nice to do



Bad practice

Today

Important / critical



Business malpractice



Reimbursement Assessment Must Address All Relevant Elements

Changes to medical practice?

- Established, modified or a new practice?
- Clinical workflow

Who are the users?

- PCP / specialties
- Nurses
- Licensed therapists
- Patients

What will be reimbursed?

- Professional services
- Facility costs
- Device / product

Who will pay?

- Medicare
- Medicaid
- Commercial payers
- IDNs
- Government
- Employers
- Patients

Where will the service / technology be used?

- Inpatient facility
 - Hospitals
 - Long term care
- Outpatient
 - Hospital-based
 - Ambulatory surgical centers
 - Physician offices
- Home



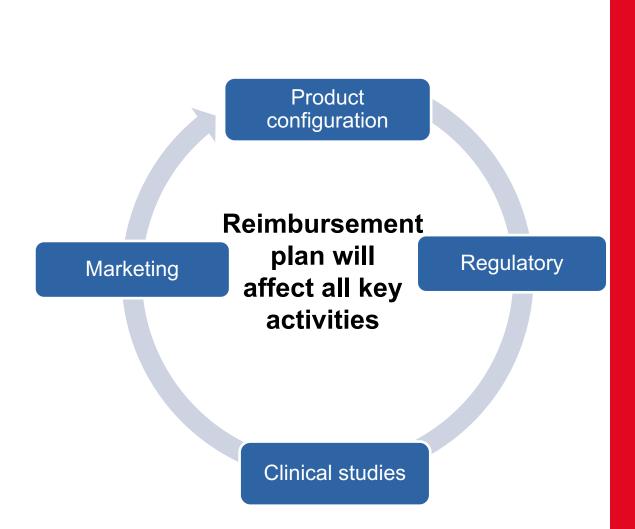
Can use current codes and coverage policies?

OR

Understand optional strategies and develop roadmap to reimbursement



SO, When Should We **Start** Reviewing Reimbursement?



Sooner you understand your roadmap to reimbursement, the better you are



Case Studies.

Reimbursement -> Valuations







- Itamar Medical introduced a user-friendly, home-based OSA device (WatchPAT).
- The AASM objected to codes and coverage for home studies (loss of income to physicians).
- Without codes and coverage from CMS and most commercial payers, sales of WatchPAT were nominal.

BMTA:

- Convinced CMS to issue coverage prior to having CPT codes.
- CMS temporary codes were gradually adopted also by commercial payers.
- Eventually, AASM agreed to new CPT codes.



With **new codes and expanding coverage**, sales increased to ~\$50M



Acquired by Zoll Medical for ~\$500M (2021)



- A new treatment modality for solid tumors
- Low intensity electrical field, applied through external electrodes; 24/7 treatment
- First FDA approval GBM
- Large number of studies additional tumors









BMTA:

- Developed pricing rationale for the treatment
- Assessed reimbursement structures for the home-based therapy
- Advised the company to become the provider for the therapy rather than sell devices to oncology clinics.
- Company received a HCPCS code for its equipment.
- Reimbursement > \$10,000 /month
- Rev (2021) > \$500M
- Valuation ~\$8B

