



crossbeam
HEALTH

Specialty judgment at the threshold of every referral.

Concept draft for clinician feedback | July 2026 | US market | Confidential draft, not an offering

DRAFT

THE PROBLEM

The referral decision is made alone, and the patient pays for it.

A PCP decides "this needs a specialist" with no specialist input, no protocol, and no feedback. The patient is referred, waits weeks, arrives without the right workup, or never arrives at all.

100M+

specialty referrals a year in US ambulatory care;
only about half are ever completed¹

31 days

average new-patient wait across 15 major metros
(2025); gastroenterology 40 days, Boston up to 65²

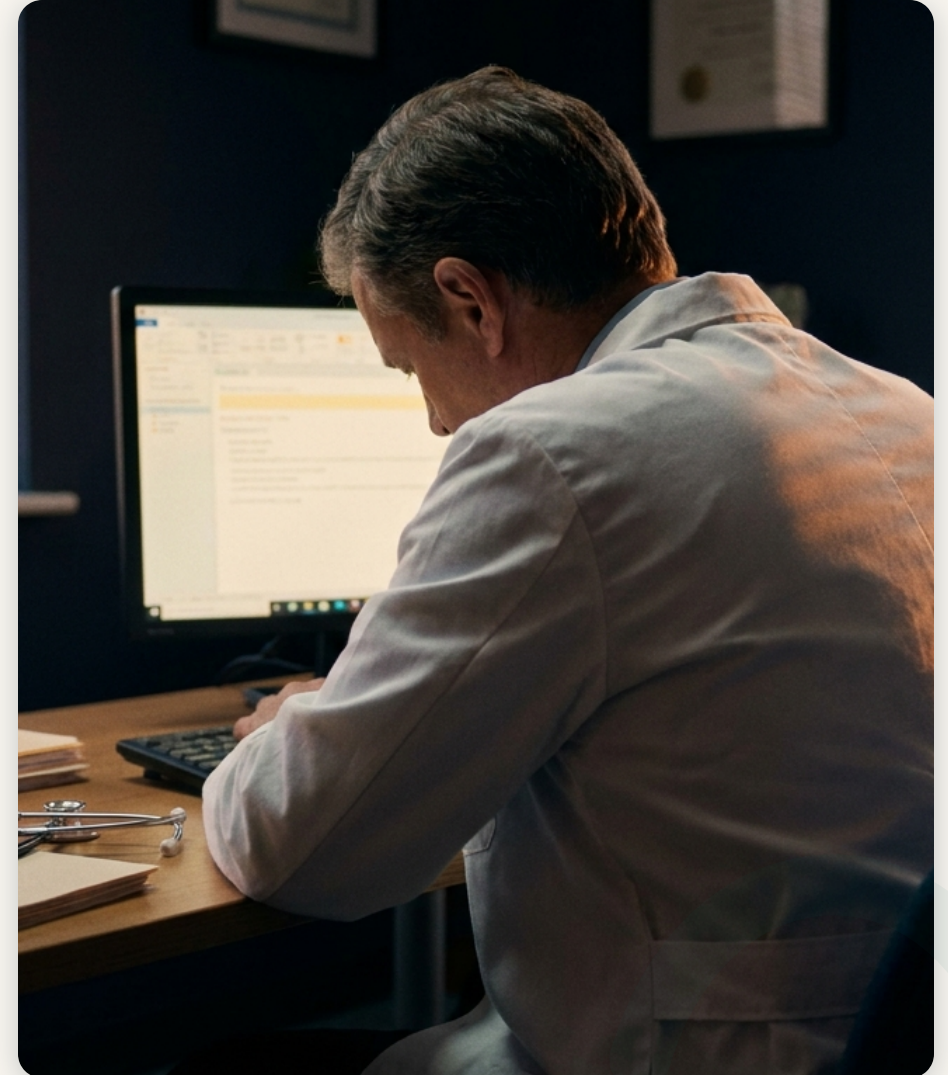
40 to 70%

of referrals leak out of network;³ about half never
complete at all¹

206M

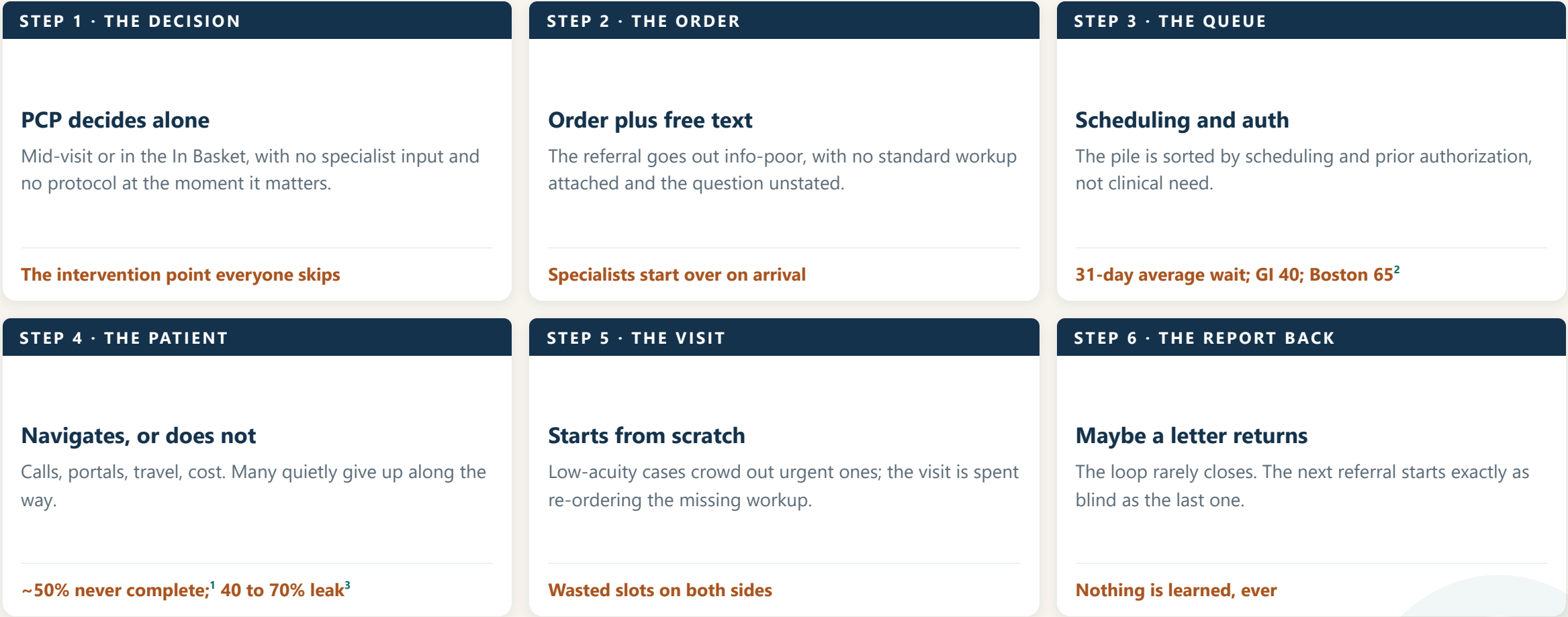
Epic In Basket system messages in 2024, up from
58M in 2017; the follow-up lands on primary care⁴

Nothing about the episode, whether the referral was needed or what happened to the patient, ever feeds back into the next referral decision.





Six steps, and it fails at every one.



The queue is still growing: the average new-patient wait rose 19 percent just since 2022 (26 to 31 days) and 48 percent since 2004.⁵ The queue is structural, not cyclical, and every current fix starts AFTER step 1.

THE PROBLEM

The hidden work, and why today's fixes stay bolt-ons.

THE PROBLEM • THE HIDDEN WORK

58M → 206M

Epic In Basket system messages, 2017 to 2024. The referral system's dropped work lands here.⁴

15.2 hrs/wk

of off-hours EHR time for high-volume PCPs; portal message load never returned to pre-pandemic levels.⁶

50 to 98%

of interruptive decision-support alerts are overridden. Interruptive fixes fail.⁷

TODAY'S FIX • AND WHY IT FALLS SHORT

The workaround: the eConsult

Ask a specialist before referring. It works clinically, in the US, UK, and Canada. But every US version is bolted on OUTSIDE the decision moment, with questions hand-drafted every time.

The clinical idea is right; the delivery is wrong.

What it costs today

- Vendor networks: \$150 per consult⁸ or \$250 to \$350 per provider per month⁹
- The billing rail is thin: CPT 99446 to 99452 pays \$19 to \$76, chronically under-billed¹⁰

Why bolt-ons underperform

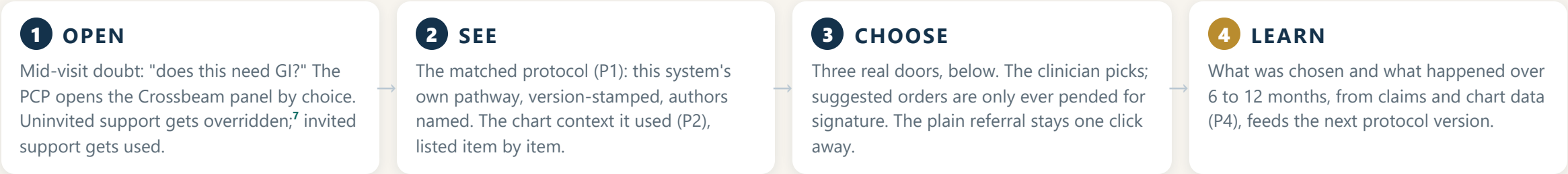
- They start after the decision; the avoidable referral already exists.
- They add a new destination for the busiest person in the building.⁴
- They measure activity, not patient outcomes.

The gap is not another queue. It is judgment, at the decision moment, inside the tool already open.

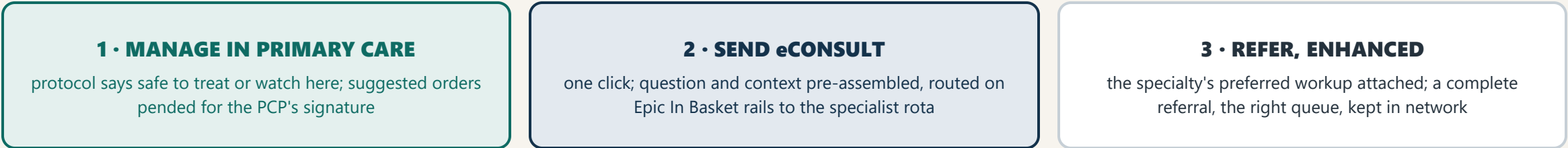


Crossbeam: the specialist's judgment, at the decision moment, in Epic.

THE REFERRAL DECISION MOMENT. The PCP opens the panel by choice, inside Epic. No pop-ups, no hard stops, ever.



STEP 3, EXPANDED · THE THREE DOORS



Advisory only. The basis is always visible, the clinician always decides, and the full referral is always one click away.¹¹

The panel at the decision moment.

JD

Jane D. 58F · MRN ****1234 · PCP: Dr. A. Rivera
Allergies: NKDA · Risk: moderate

Chart

Encounter

Orders

Results

Messages

ASSESSMENT / PLAN

58-year-old female with iron deficiency anemia, ferritin 9 ng/mL, Hgb 10.8 g/dL, trending down over 6 months. Celiac serology negative. Colonoscopy 2023: normal to cecum, adequate prep. No overt GI bleeding, no NSAID use, menses ceased 2019.

CONSIDERING

Referral to Gastroenterology for evaluation of persistent iron deficiency; question of small bowel evaluation vs repeat lower endoscopy vs empiric iron optimization.

TODAY

Reviewed trends, counseled on iron therapy adherence, rechecked CBC and retic panel. Patient prefers to avoid another procedure if reasonable.

RECENT RESULTS

Ferritin	9 ng/mL (L) was 14 · Jan 2026	Hemoglobin	10.8 g/dL (L) was 11.6
MCV	76 fL (L)	tTG-IgA	Negative

ACTIVE MEDICATIONS

Ferrous sulfate 325 mg daily · lisinopril 10 mg daily · atorvastatin 20 mg nightly. No NSAIDs, no anticoagulants.

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OPENED BY YOU · ADVISORY

PROTOCOL MATCH

v3.2 · GI Division

Iron deficiency without overt bleeding, prior normal colonoscopy

Authored and versioned by this system's gastroenterology division. Last review May 2026.

View evidence basis

CONTEXT IT USED

every item reviewable

✓

Ferritin 9, Hgb 10.8, trending down 6 mo

Labs

✓

Colonoscopy 2023: normal, adequate prep

Endoscopy

✓

Celiac serology negative; no NSAIDs

Chart

!

Red flags: none triggered on screen

Rules v3.2

YOUR OPTIONS

you decide, always

Manage in primary care

capsule study + iron protocol, orders pending

Send eConsult

question + context pre-assembled · typ. reply < 1 day

Refer, enhanced

GI preferred workup attached to the referral

1,284

uses of this protocol

0.4%

adjudicated misses

< 1 day

median eConsult reply

Prefer the standard path? Place the plain referral (one click, nothing added)

Advisory only. Crossbeam never places orders, never blocks a referral, and shows the basis for every suggestion. Review before acting.

New order:

Referral: Gastroenterology

eConsult: GI

Labs

1 **Opened by choice**

Never interruptive. Decision support that fires uninvited gets overridden 50 to 98 percent of the time.⁷

2 **Shows its work**

Protocol version, authors, and every data point used are on screen before anything is signed.

3 **Three real options**

Manage, eConsult, or refer enhanced. The plain referral stays one click away, always.

4 **Defensible for the PCP**

Following your own institution's versioned protocol is a documented act, not a leap of faith.

The eConsult, pre-assembled; answered in minutes, not months.

- 1

Drafted, not dictated
Question and attachments assembled by software from the pathway and the chart; the PCP edits and sends.
- 2

Complete on arrival
The specialist answers a real question fast: Ontario's (Canada) provincial service runs a median 0.9-day reply across 100,000+ cases.¹²
- 3

Nothing lost
Reply, disposition, and protocol version are written back to the referral record and tracked against claims (P4).



eCONSULT COMPOSER · DEMO DATA

crossbeam eCONSULT

ROUTED ON THE EHR's OWN IN BASKET RAILS

Your eConsult, pre-assembled

PCP view · ready to send

QUESTION, DRAFTED FOR YOU

editable

58F with persistent iron deficiency (ferritin 9, Hgb 10.8 trending down), colonoscopy 2023 normal, celiac serology negative, no overt bleeding. Per pathway v3.2: capsule endoscopy first vs repeat lower endoscopy vs iron optimization and recheck?

ATTACHED AUTOMATICALLY

✓ Ferritin and Hgb trend, 24 months

Labs

✓ Colonoscopy report, 2023

Endoscopy

✓ Active meds and celiac serology

Chart

✓ Protocol reference: Iron deficiency pathway v3.2

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ROUTING

GI eConsult rota, on-service specialist. Reply lands in your In Basket with the patient linked; if the specialist recommends a visit, the enhanced referral is one click from their reply.

WHY THIS QUESTION

basis shown

Drafted from pathway v3.2, branch 4 (persistent iron deficiency, negative first-line workup). The pathway, its authors, and the data used are linked above; edit or discard freely.

Review and send

Edit question

Nothing sends without you.

What the specialist receives

GI view · complete on arrival

< 1 day

median reply at scale (Ontario benchmark, 0.9 days)

4 min

this reply, no chart digging needed

99451

billing scaffold pre-filled

SPECIALIST REPLY

Agree with pathway: capsule endoscopy first; repeat colonoscopy only if capsule positive or new alarm features. Continue IV iron per protocol while awaiting study. Happy to see her if capsule is positive.

Dr. S. Okafor · Gastroenterology

Replied in 4 min of review time

Written back to the referral record: disposition, reply, and protocol version are saved with the encounter and tracked against claims over the next 6 to 12 months (pillar P4). Nothing is lost in a side channel.

AUDIT TRAIL

✓ Sent by Dr. Rivera, reviewed and edited

Tue 9:14 AM

✓ Opened by GI rota

Tue 3:47 PM

✓ Reply returned to PCP In Basket

Tue 3:51 PM

✓ Disposition logged for outcome tracking (P4)

Automatic

Illustrative concept design with demo data; fictional patient and clinicians. Sources 10 CodingIntel · 12 Innovation in Aging, 2022 · Full citations: slide 14. Photo: AI-generated illustration.

7 / 14



Four pillars, and autonomy that is earned rung by rung.

**P1 · Encode**

Specialist-authored, system-specific protocols, versioned and refreshed on a named cadence.

**P2 · Contextualize**

Auto-assembled chart context with the basis visible item by item.

**P3 · Embed**

At the referral decision moment in Epic, PCP-initiated, never interruptive.

**P4 · Learn**

Outcomes tracked on claims and chart data, feeding the next protocol version.

Rung	What the product may do	Unlocked by
v1 · Advisory floor	On-demand panel, protocol match, auto-context, disposition menu with pended orders. The clinician signs everything.	Day one. This is the permanent floor.
v2 · Auto-drafted	eConsults and referral workups arrive fully drafted; the clinician reviews and signs.	Measured accuracy and edit-rate thresholds on v1, reviewed by the clinical governance committee.
v3 · Narrow, earned auto-resolution	Lowest-risk pathway steps only (repeat-lab scheduling per protocol), opt-in per authoring division, audit-trailed.	Claims-verified avoidance at a pre-registered effect size AND a sub-1 percent adjudicated miss rate, re-reviewed with FDA counsel.

The question is never "do you trust AI." It is "what has this specific protocol earned, on evidence your own committee reviewed."¹¹



Who pays: the buyer must keep the savings.

+\$490K

per 1,000 deflected GI referrals for a fully capitated system (estimate, internal model)²⁵

-\$405K

for a pure fee-for-service system: deflection destroys procedure revenue (estimate, internal model)²⁵

The honest framing: under fee-for-service, our success costs the buyer money.

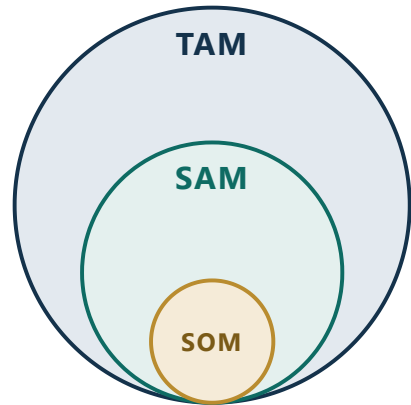
So Crossbeam sells where risk is real. 53.4 percent of Traditional Medicare lives are in accountable care (January 2025; CMS targets 100 percent by 2030),¹⁴ but only 28.7 percent of payments carried downside risk in 2024.¹³ We underwrite on buyer P&L value; no medical-specialty collaborative-care code exists through CY2027.¹⁶

Payment rail today	Pays	Reality
Interprofessional eConsult, CPT 99446 to 99452 ¹⁰	\$19 to \$76 per consult	Once per 7 days, patchy coverage, chronically under-billed
Behavioral CoCM (99492 to 99494, G2214) ¹⁵	~\$48 to \$145 per patient per month	The precedent: CMS built a rail AFTER the evidence. Behavioral only
Medical-specialty collaborative PMPM ¹⁶	Does not exist	Nothing on the CMS calendar through CY2027
Risk-bearing system P&L	The real rail	Payer-provider systems, capitated groups, and MSSP savings keepers buy on kept savings

Proof the buyer exists: Baylor Scott & White kept \$76.8M of the \$104.5M it saved CMS in PY2024.¹⁷ That retained-savings budget line is the customer.

Market size: two honest builds, side by side.

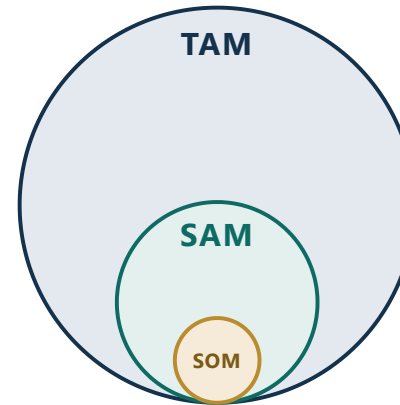
Optimistic build directional · all figures USD · assumes premium pricing no buyer has yet paid²⁵



- **TAM · NEAR-TERM SOFTWARE + SERVICES**
~\$2B to \$4B^{25, 20}
US specialty-referral decision and eConsult software, bounded by the referral-management market
- **SAM · REACHABLE VIA SYSTEM GTM**
~\$1.0B to \$1.5B²⁵
Health systems sellable with a direct enterprise motion
- **SOM · 5-YEAR ARR**
~\$25M to \$75M²⁵
At ~\$4,500 per clinician per year, a price point no buyer anywhere has yet paid

Where these numbers come from: internal market build, July 2026,²⁵ top-down from US clinician counts at premium per-seat pricing (~\$4,500 USD per clinician per year), bounded by the US patient-referral-management software market (Grand View Research).²⁰ Circles illustrative, not to scale.

Diligence rebuild estimate · all figures USD · at prices the category has actually paid²⁵



- **THEORETICAL TAM**
~\$450M to \$750M²⁵
397 US health systems²¹ at realized eConsult-category price points
- **ICP-FILTERED SAM**
~\$15M to \$80M²⁵
~150 to 350 qualifying risk-bearing systems, the only buyers whose P&L improves
- **SOM · 5-YEAR**
~\$3M to \$15M²⁵
At realized ~\$100K to \$400K per-system ACV

Where these numbers come from: internal diligence rebuild, July 2026,²⁵ bottom-up from 397 US health systems (AHA)²¹ at realized eConsult-category prices (USD; vendor list pricing and public program economics).^{8, 9, 10} Circles illustrative, not to scale.

Both builds are estimates in USD, and the divergence IS the finding: the workflow is validated in the US, UK, and Canada, the premium software price on none. We either prove premium value with claims-verified evidence, or reprice into the per-provider anchor that already exists.^{13, 14}

Everyone holds a piece. Nobody runs the loop.



Player (27 profiled; key rows) ²⁵	P1 Encode	P2 Context	P3 At the moment	P4 Learn	Total
Crossbeam target	2	2	2	2	8/8
Epic (platform)	1	2	2	1	6/8
NHS Advice & Guidance (UK program)	1	1	2	1	5/8
Oshi Health (GI provider, not software)	1	1	1	2	5/8
eConsult vendors (AristaMD class)	1	1	1	1	4/8
Ontario eConsult (Canada, provincial program)	0	1	1	1	3/8
Ambient AI (Ambience, Abridge)	0	1	1	0	2/8

P4 The empty column

Across all 27 profiles, no horizontal software closes the outcome loop. The only 2 belongs to a provider group grading itself.

E Epic is the real clock

Closest at 6/8. The competitive question is speed to the loop, not the eConsult incumbents.

\$ Why the center stayed empty

Under fee-for-service, deflecting referrals costs the deflector money. The whitespace is an economics gap, not an ideas gap, and risk adoption is closing it.¹³

W The wedge

One specialty (GI), one institution's own protocols, one decision moment, outcomes measured from claims.

What we must prove, and the console that keeps us honest.

51% (self-reported)

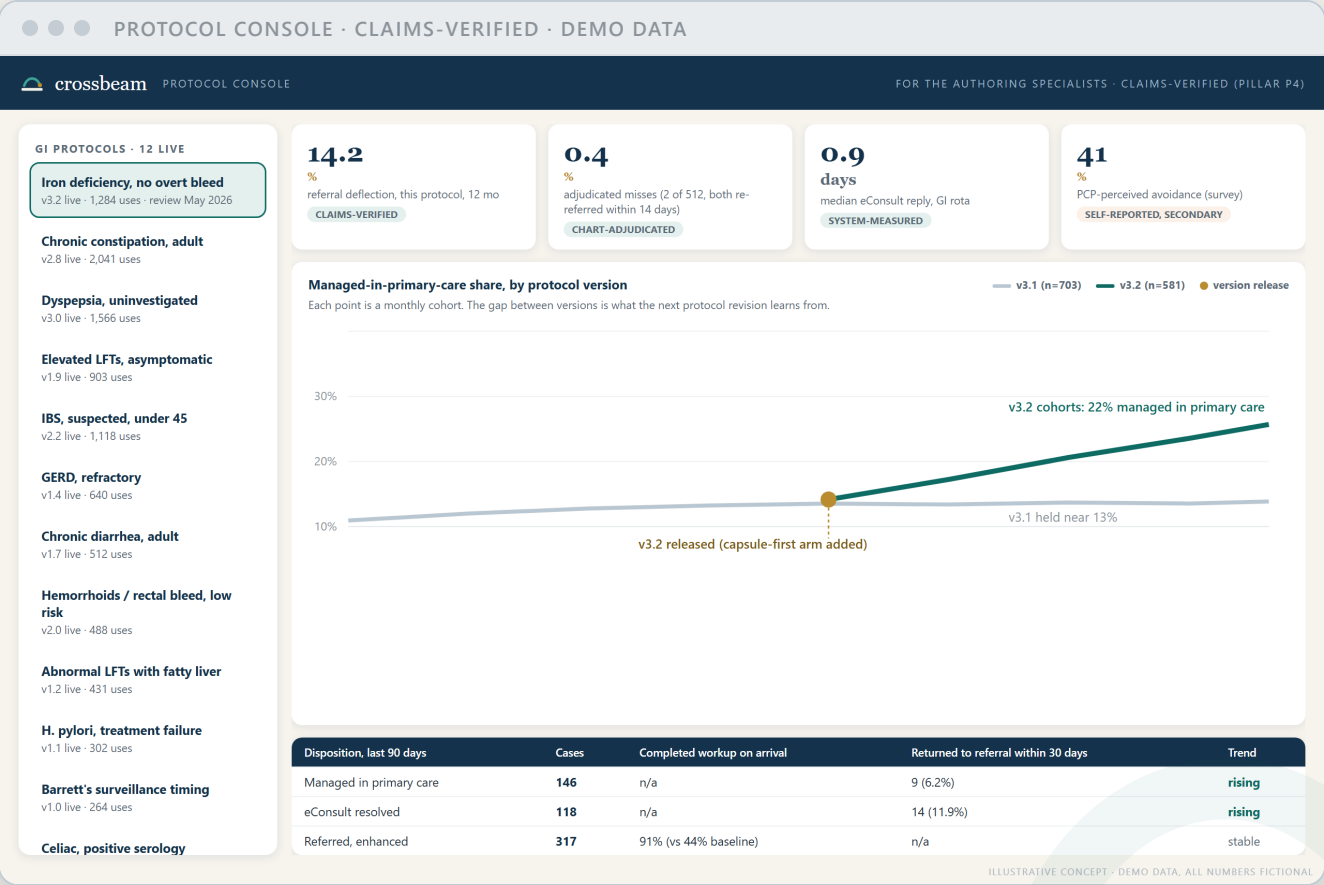
Ontario (Canada) PCPs reporting a contemplated referral avoided, on a mandatory closeout census of 60,474 eConsults^{22, 23}

5 to 13%

of eConsults resolved without a referral in the category's newest real-world review, on program records: 2,505 US Medicaid eConsults, 2025²⁴

Both numbers can be true; only one is bankable. Vendors quote the first kind. A buyer's actuary finds the second. So Crossbeam commits to claims-verified outcomes from day one, and the protocol console (right) is that commitment built into the product: every KPI is labeled by how it was measured, and self-report is demoted to secondary telemetry.

Three questions we are validating now: Is the referral decision moment where clinicians actually want help? Would your system pay, given its payer mix? Does advisory guidance change behavior enough to show up in claims?





We are validating with clinicians now. Tell us where this is wrong.

- Where in your day would this panel genuinely help, and where would it annoy?
- Would you trust pathways authored by your own system's specialists more than generic guidelines?
- Who in your organization would sponsor and pay for this, honestly?
- If referrals dropped 10 to 15 percent, who in your building would fight it?

DRAFT

We'd love your feedback



docs.google.com/forms/d/e/1FAIpQLSd4RZGojA5Xu4BtR1aX9DELviquitloHa0PhGe2HYstL_UyHYA/viewform

Scan or click. About 5 minutes.
Blunt is better than polite; we are looking for the reasons this fails.

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