

AI email attacks outpace healthcare's AI defenses




64% of healthcare organizations have faced an AI-generated email attack. Only 38% have AI-based detection fully deployed.

What we found

64% of healthcare organizations have faced a confirmed or suspected AI-generated email attack.

Only 38% have AI-based email threat detection fully deployed and actively monitored, a 26-point gap between exposure and defense. Adoption is climbing, from 44% with some AI defense in mid-2025 to 75% by early 2026, but most of that coverage is not yet fully operational.




What it means for buyers

-  **AI attacks are already here**
64% have experienced a confirmed or suspected AI-generated or AI-enhanced email attack.
-  **Defenses lag exposure**
Only 38% have AI-based email threat detection fully deployed, a 26-point gap.
-  **Coverage is mostly partial**
AI defense adoption rose from 44% in mid-2025 to 75%, but little is fully operational.

WHY PAUBOX

8,000+

healthcare organizations rely on Paubox to secure inbound and outbound email.

-  **Inbound Email Security**
Behavioral AI detects phishing and impersonation that reputation filters miss.
-  **ExecProtect blocks impersonation**
Patented detection of name and role spoofing in inbound email.
-  **HITRUST certified**
Annual third-party audit of every control.