



HYPERION RESEARCH

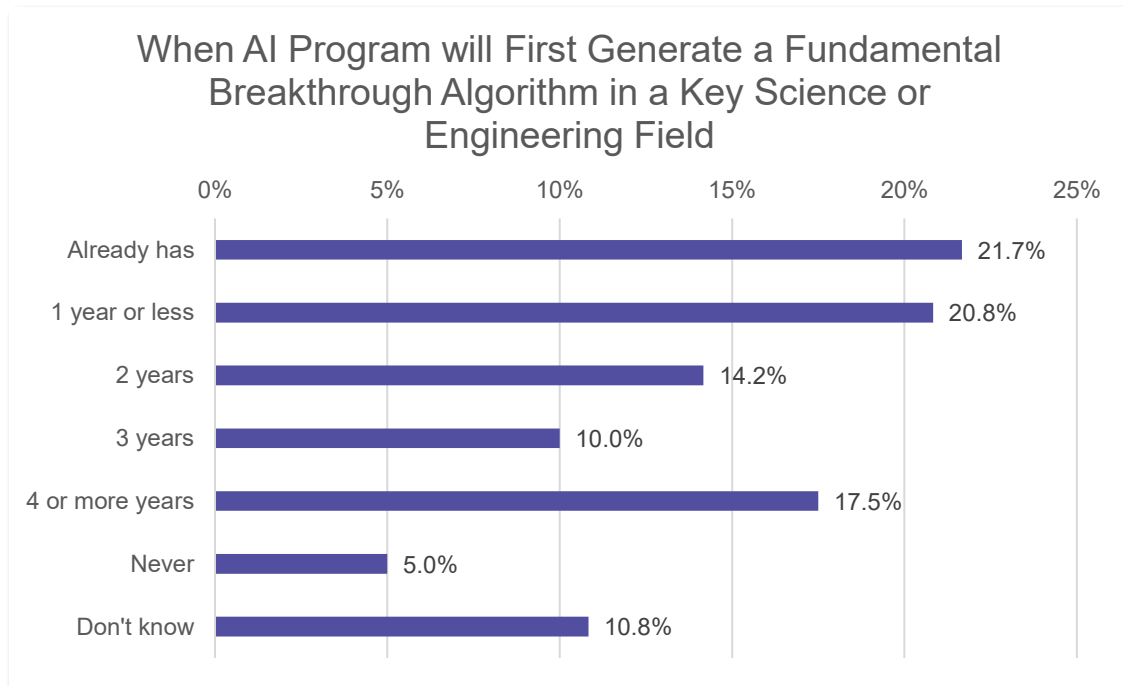


Top Of Mind #2
Survey Results
September 2025

ToM #2 Survey Results

- Hyperion Research recently initiated its Top of Mind (ToM) surveys, a periodic series of questions designed to gather quick answers on some of the more compelling topics of the day
- For this second round of the ToM survey, questions spanned AI, power/sustainability concerns, cloud provider improvements, talent shortages, and work-from-home programs
- 120 respondents from across the HPC/AI community and around the world participated in the survey
- Questions and comments are most welcome and can be addressed to info@hyperionres.com with the subject header *ToM Survey #2*

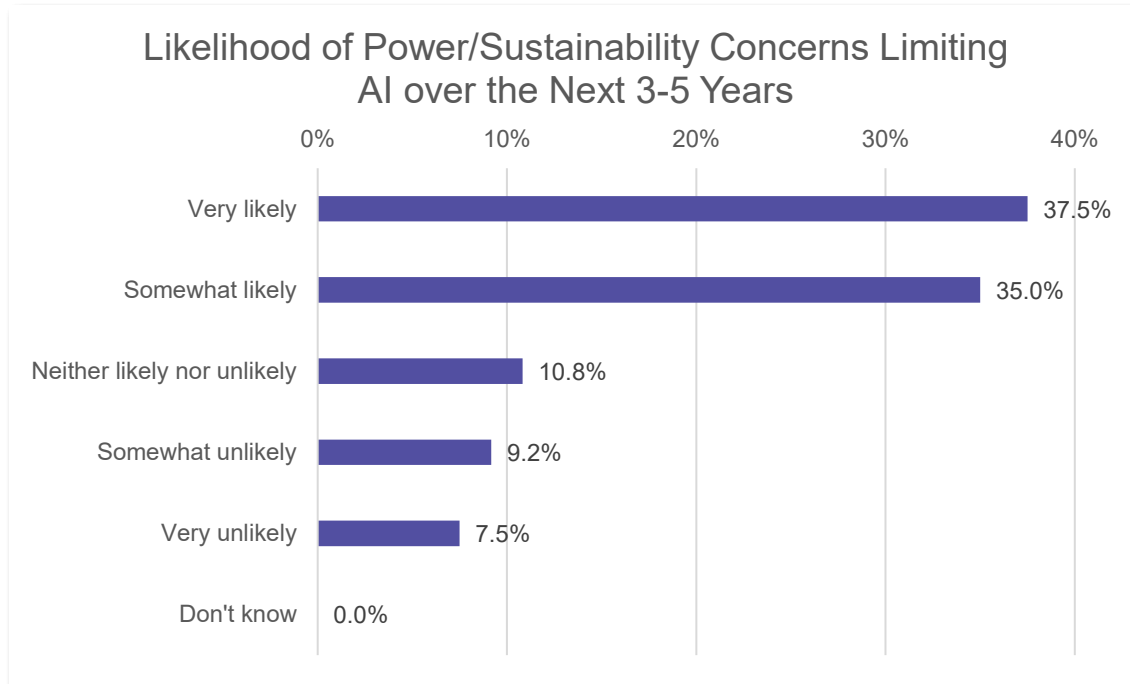
1) How long until an AI program first generates a fundamental breakthrough algorithm in a key science or engineering field?



- Optimism that the first fundamental breakthrough algorithm has already been generated (21.7%), or will be in the next year or less (20.8%)
- However, some skepticism persists
 - 5.0% saying it will never happen
 - 7.5% saying the breakthrough algorithm is 4 or more years away

N = 120, Source: Hyperion Research, 2025

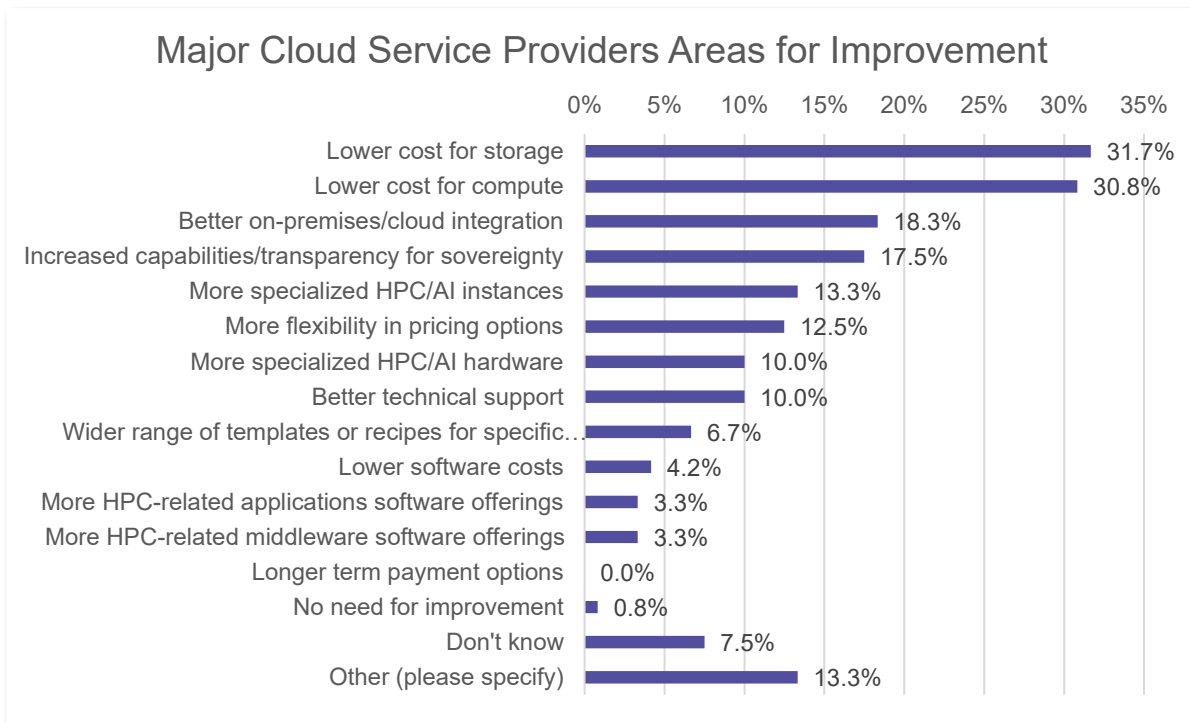
2) How likely is it that power/sustainability concerns will limit the use of AI over the next 3-5 years?



- Strong consensus on impact:
- 72.5% of respondents think power/sustainability will likely (very or somewhat) limit AI use in the near term
- Few (16.7%) think it is unlikely (very or somewhat)
- Power and sustainability considerations are no longer peripheral concerns in the AI landscape. They are likely to be a limiting factor...soon

N = 120, Source: Hyperion Research, 2025

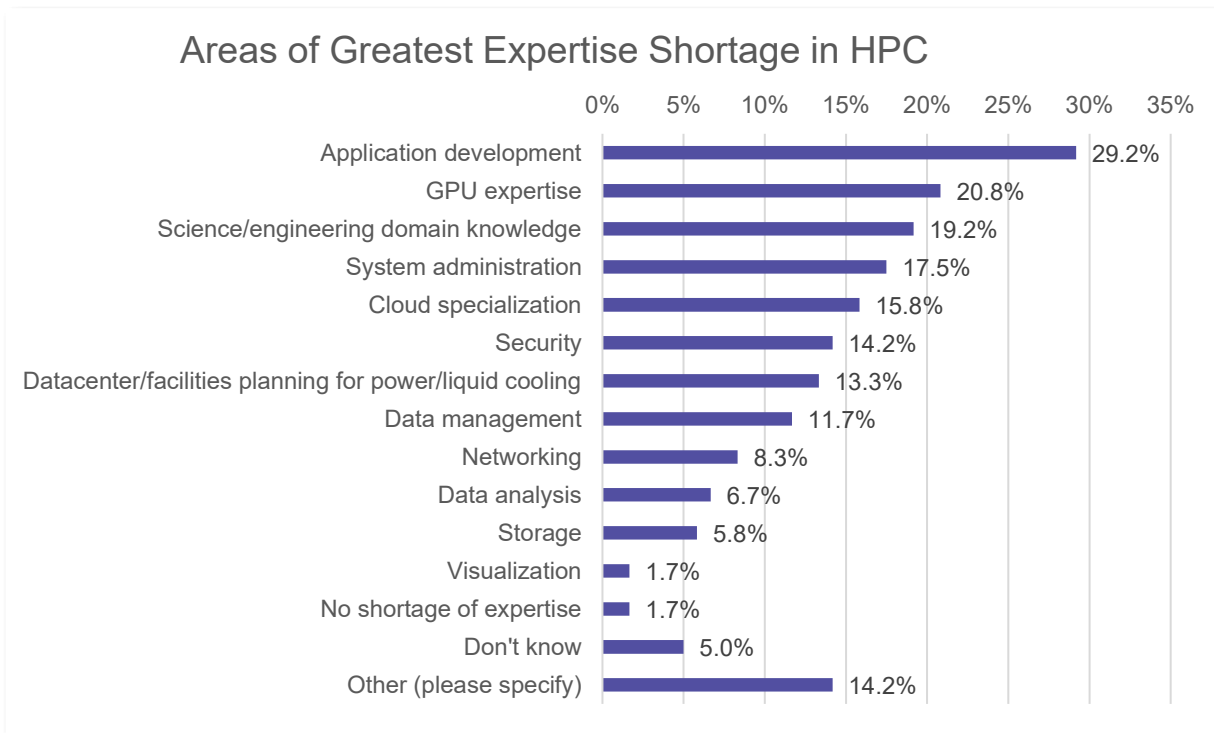
3) In what areas do the major cloud service providers need the most improvement? (Select up to two options)



N = 120, Source: Hyperion Research, 2025

- ~30% mentioned lower cost at least once
 - 15% mentioned lower cost twice
- However, there appears to be no one-size-fits-all solution
- 13.3% of respondents wrote in “other” responses including:
 - Better cost overrun guardrails
 - Faster/easier cloud formation and cross-cloud flexibility
 - More integrated HPC/Secure-Encrypted/Cloud-Storage-to-On-Prem Solutions
 - More transparency on price predictability
 - Address environmental impacts/ways to reduce enormous power demands

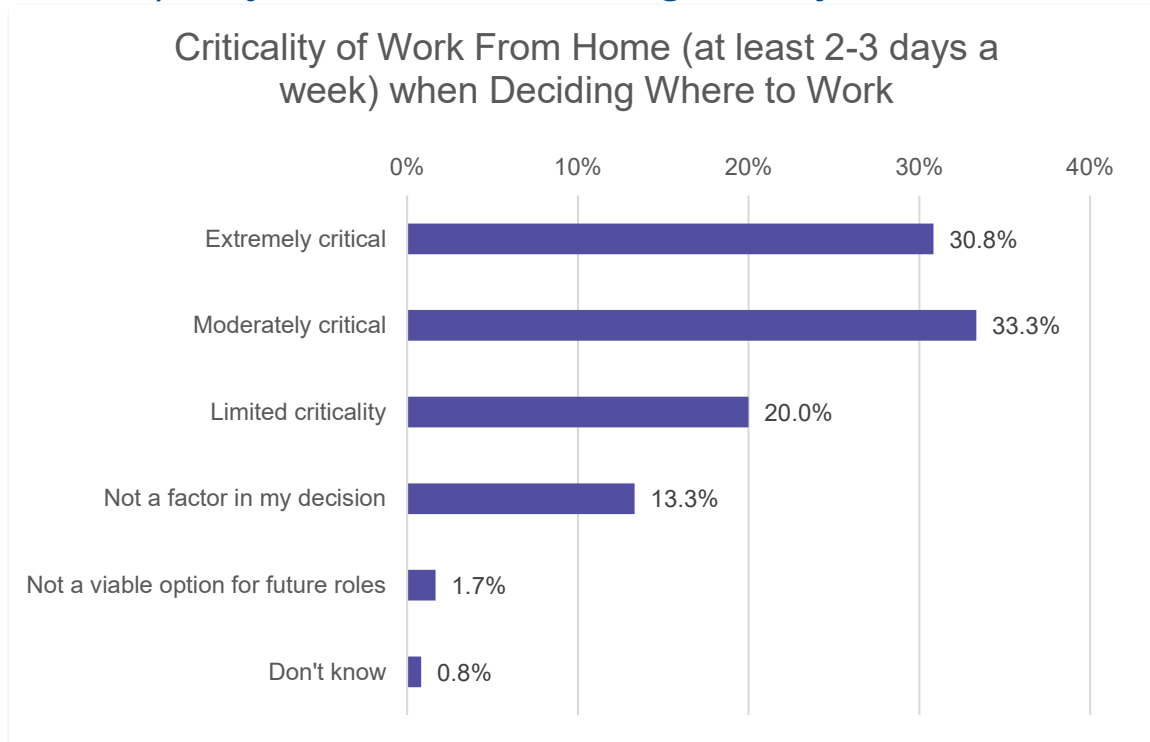
4) What areas of HPC have the greatest shortage of expertise? (Select up to two options)



- Application development was flagged by the most respondents (29.2%)
- GPU expertise (20.8%)
- Science/engineering domain knowledge (19.2%)
- This aligns with the persistent challenge of maintaining a HPC talent pool that works in the interdisciplinary spaces
- 14.2% wrote in other responses including:
 - Quantum (x4)
 - AI adoption for scientific applications
- Several respondents used the “other” to express the need for more than two options

N = 120, Source: Hyperion Research, 2025

5) How critical is being able to work from home (at least 2-3 days a week) to you when deciding who you want to work for?



N = 120, Source: Hyperion Research, 2025

- 64.1% believe that working from home (at least 2-3 days a week) is critical
- Organizations that don't offer hybrid flexibility may struggle to attract top HPC talent, especially among developers and analysts
- Work from home programs encourage a more diverse workforce with its potential to promote work-life balance

QUESTIONS/COMMENTS?



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