Insights: Researcher attitudes toward AI

Databook

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Chapters by Theme

1	Awareness of AI	Slide 4
2	Usage of AI	Slide 14
3	Perceptions of AI	Slide 52
4	Areas That Would Benefit From AI	Slide 120
5	Likelihood To Use an AI Assistant	Slide 122
6	AI & Elsevier	Slide 127

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Data Breakdowns Included

	NB. included in the total but are not broken out
• Region	N=22, 1% of total, prefer not to say where they live
• Key Markets	
• Gender	N=116, 5% of total, prefer not to say their gender.
• Years Active	N=192, 8% of total, prefer not to say how long they have been active in their area of work.
• Country Income Band *grouped as per the Word Bank*	N=22, 1% of total, prefer not to say where they live. Also, n=19, 0.8% of total, live in low-income countries (n too low to breakout)

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1. Awareness of AI

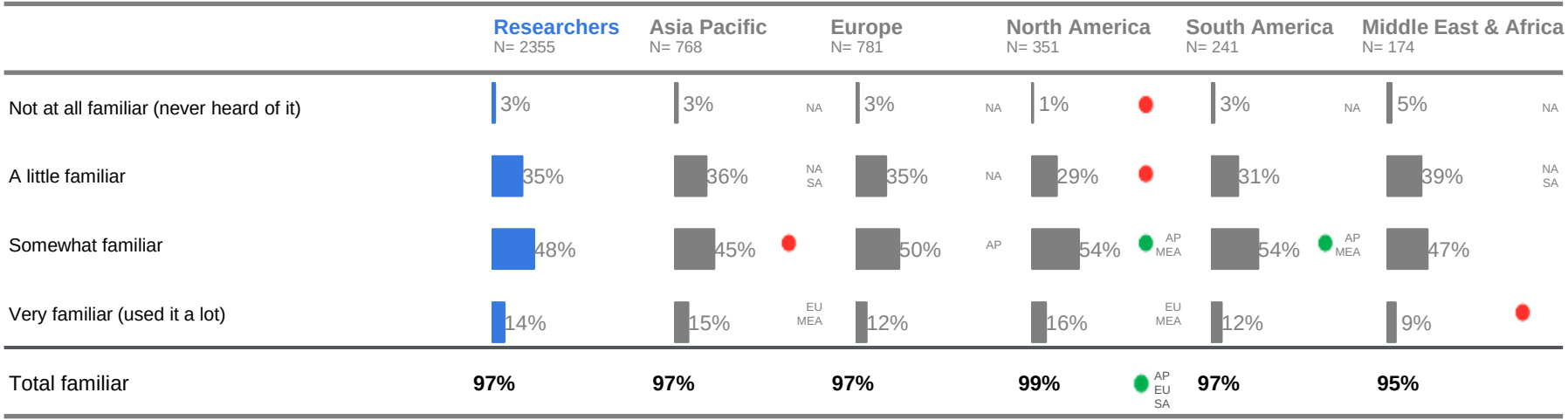
Theme 1

Awareness of AI

To what extent are you familiar with AI? (only shown by region, key market and country income band). Subsequent statistics exclude those not familiar with AI.	Slide 6
Which of these AI products, if any, have you heard of before today? (only shown top 8)	Slide 9

Back to home

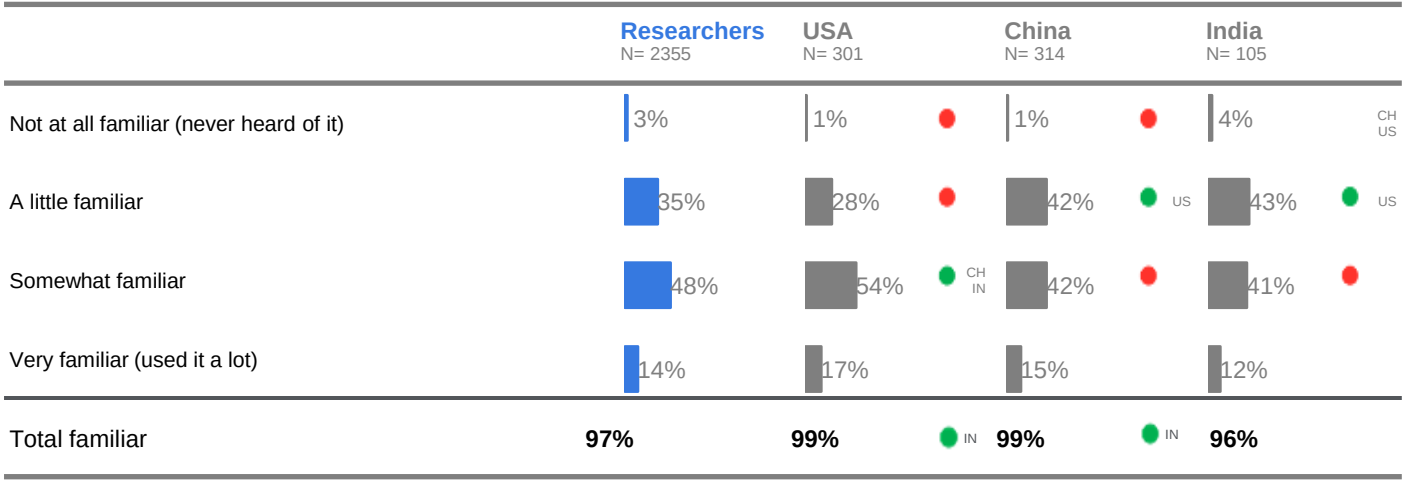
While awareness of AI among researchers is high globally, it is highest in North America at 99%. One in seven are very familiar with AI (use it a lot), more in North America are very familiar than in Europe



Questions: To what extent are you familiar with AI?

Base: n= 2355

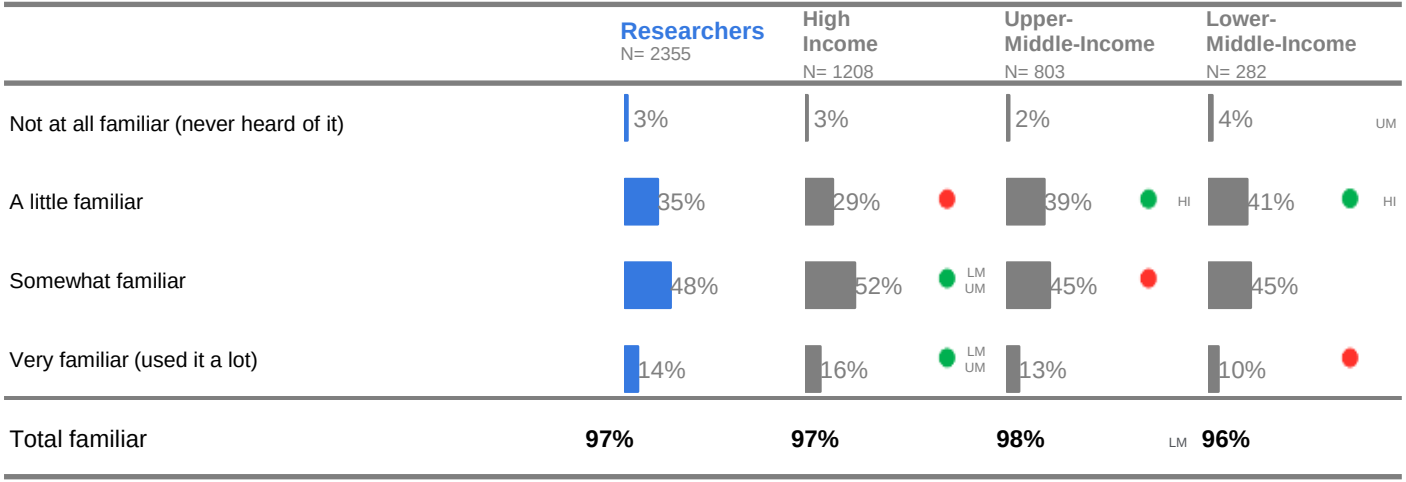
Awareness of AI is highest in China and USA at 99%



Questions: To what extent are you familiar with AI?

Base: n= 2355

Researchers in high income countries are more likely to be very familiar with AI

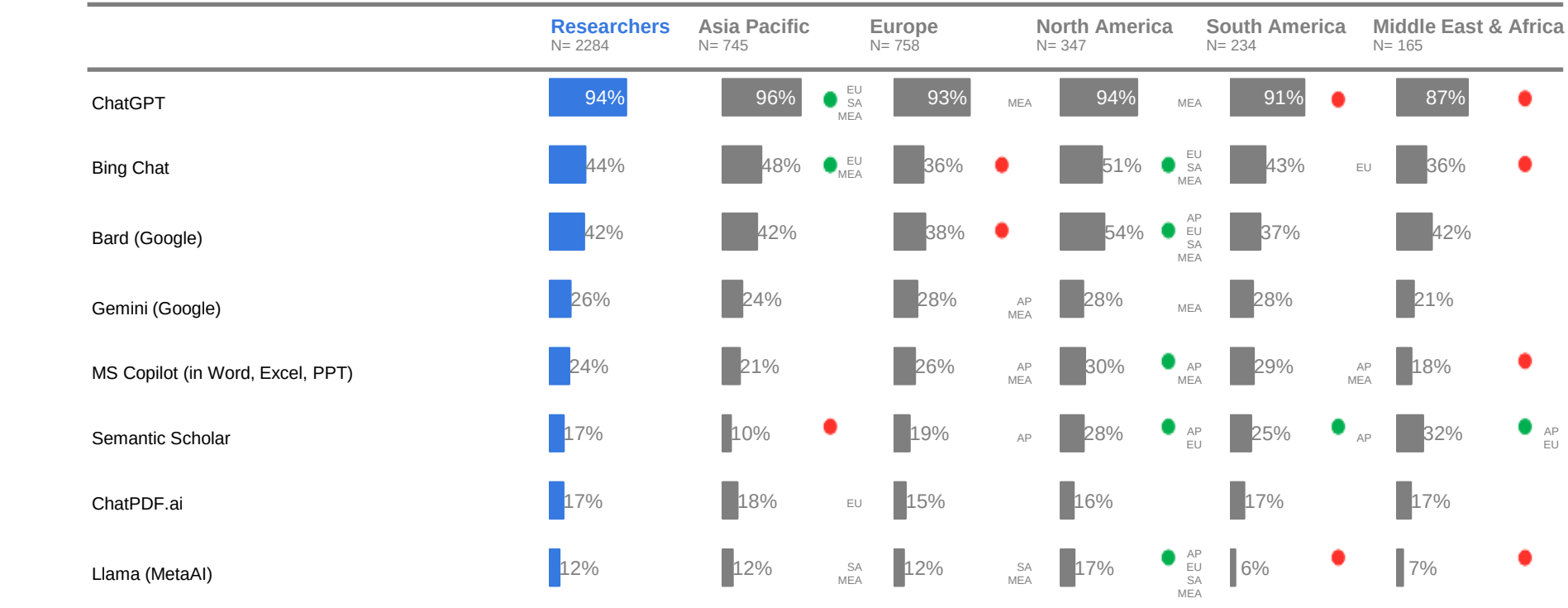


Note. Subsequent statistics exclude those not familiar with AI.

Questions: To what extent are you familiar with AI?

Base: n= 2355

ChatGPT is the tool that most have heard about, this is consistent across regions, more have heard above ChatGPT in APAC

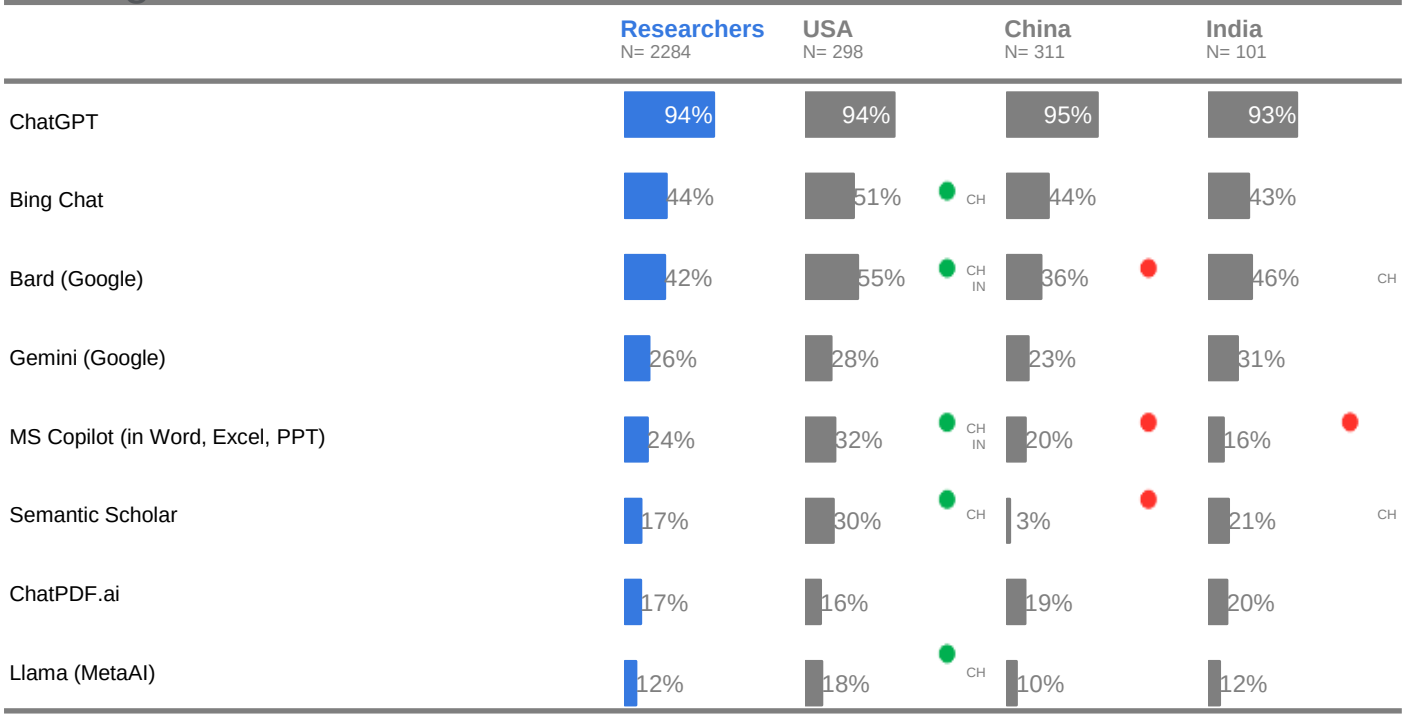


Note: Only top 8 products shown

Questions: Which of these AI products, if any, have you heard of before today?
Select: all that apply
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

ChatGPT is the tool most have heard about. Researchers in the USA are more likely to have heard of Bard and Bing Chat (among others) than average

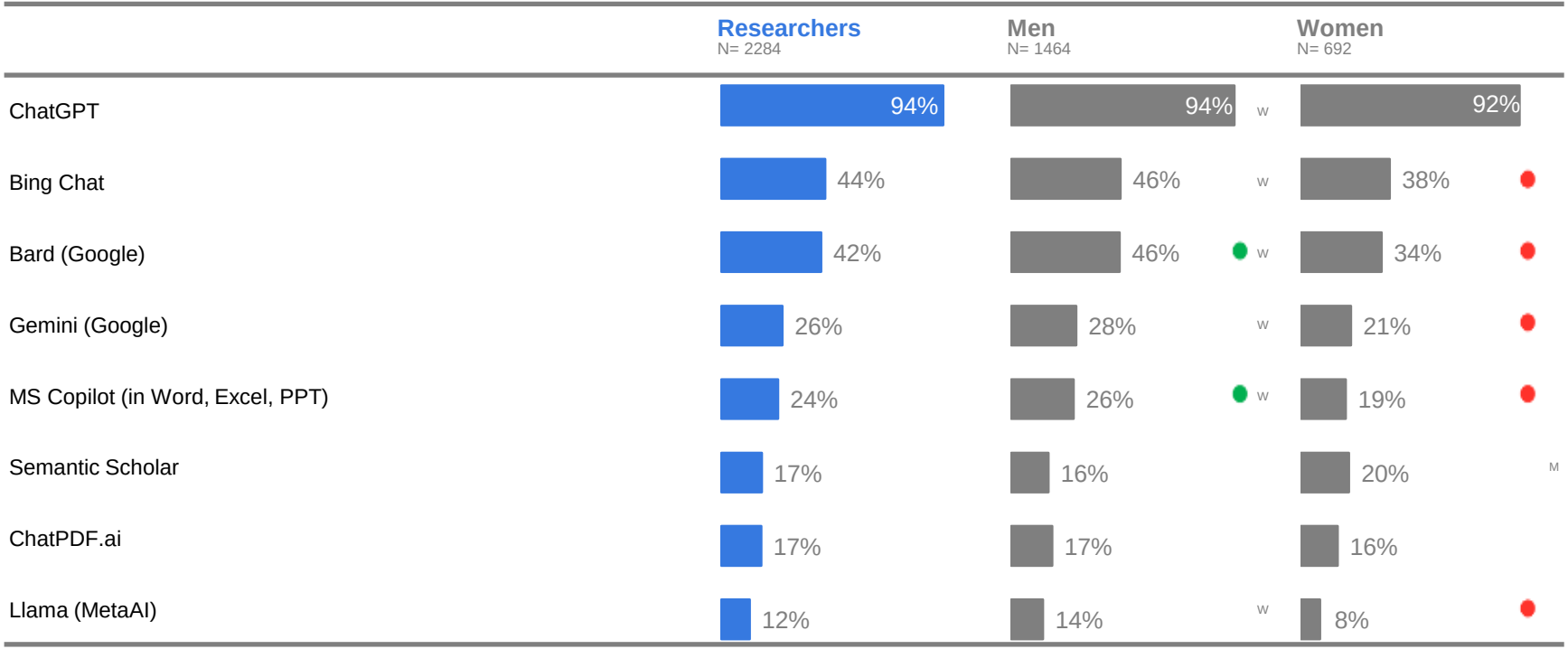


Note: Only top 8 products shown

Questions: Which of these AI products, if any, have you heard of before today?
Select: all that apply
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

ChatGPT is the tool most have heard about. Women working in research are less likely to be aware than men of some AI tools



Note: Only top 8 products shown

Questions: Which of these AI products, if any, have you heard of before today?
Select: all that apply
Base: n= 2284

Research

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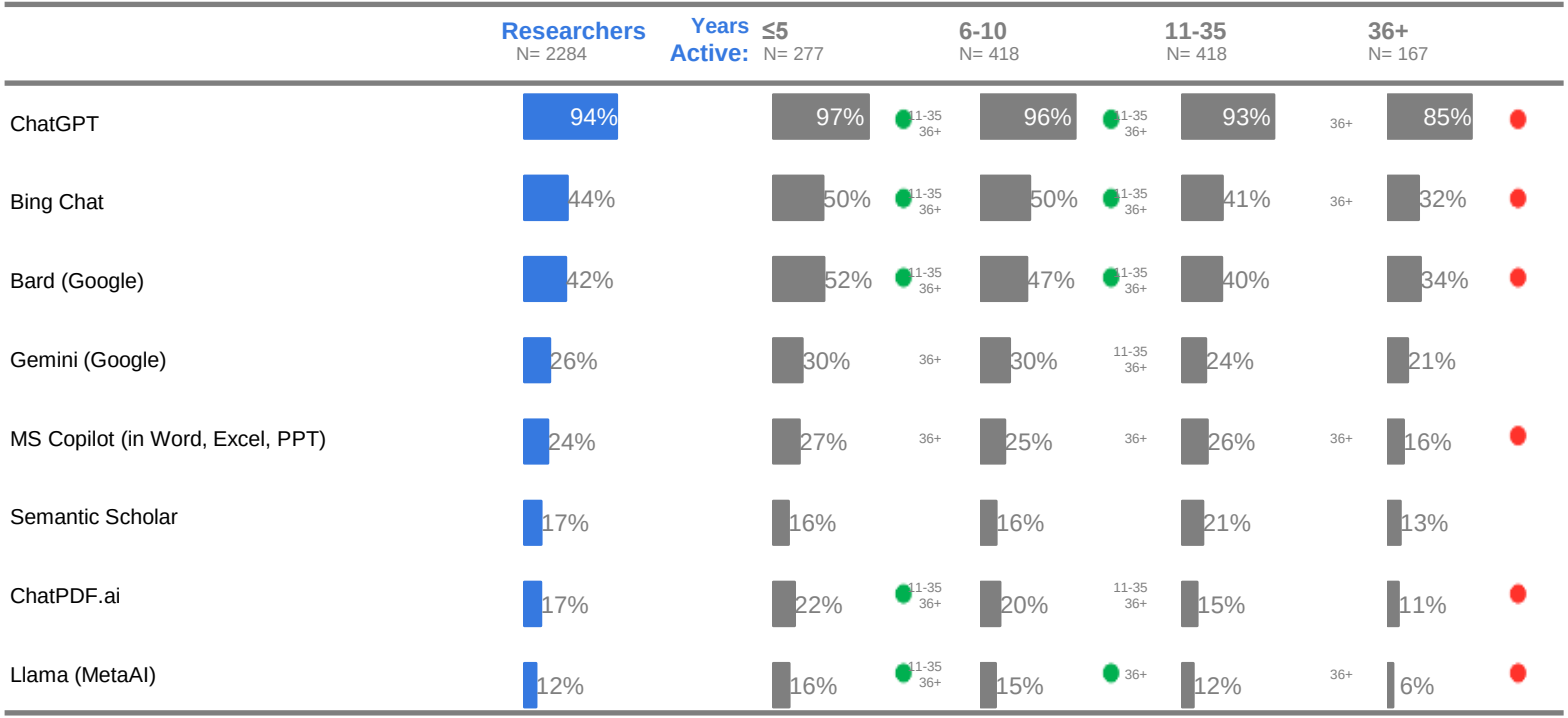
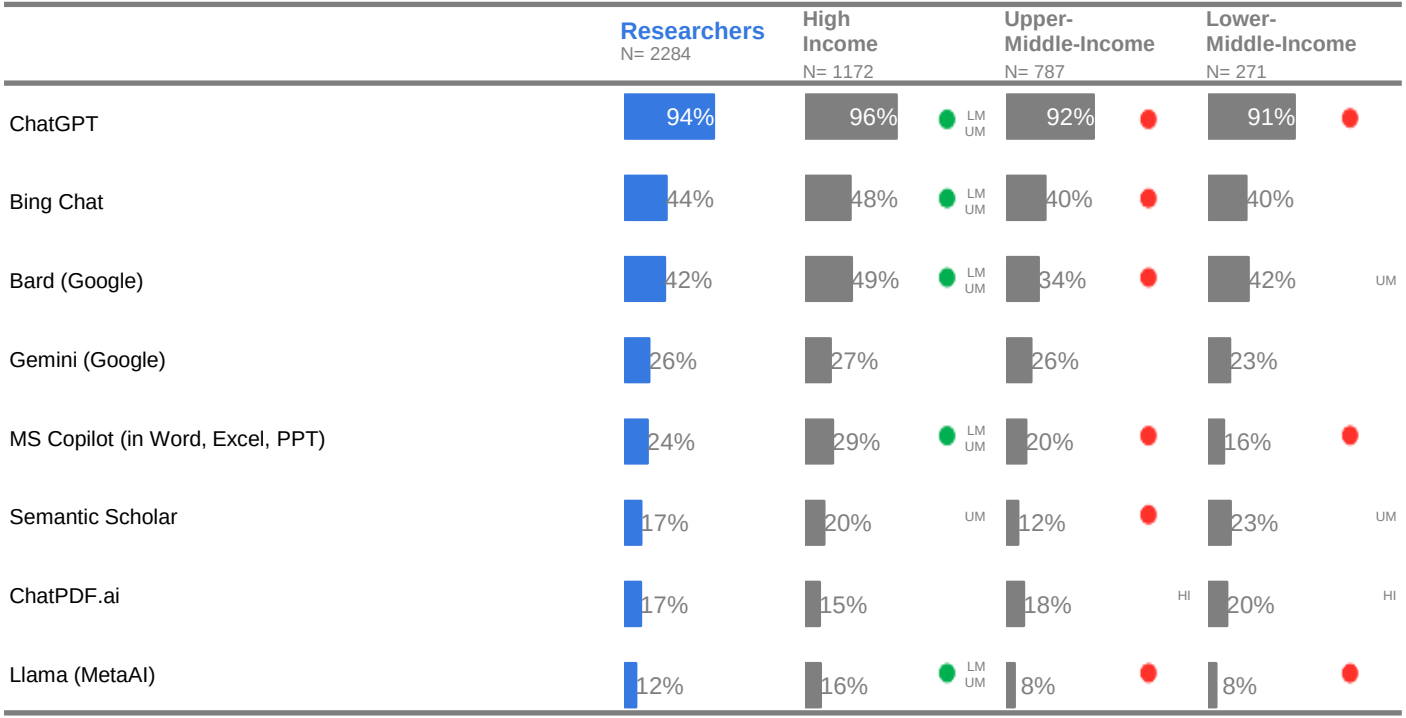
Significantly higher/ lower than…
Significantly higher than…
Global
Gender/Generation (indicated by first letter e.g. M= Men)

Researchers who have been in their area of work longest (36+ years active) are less likely to have heard of ChatGPT, and other similar tools compared to global average



Note: Only top 8 products shown

Researchers in high income countries are more likely to have heard of ChatGPT, Bing Chat and Bard than average



Note: Only top 8 products shown

Questions: Which of these AI products, if any, have you heard of before today?
Select: all that apply
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

2. Usage of AI

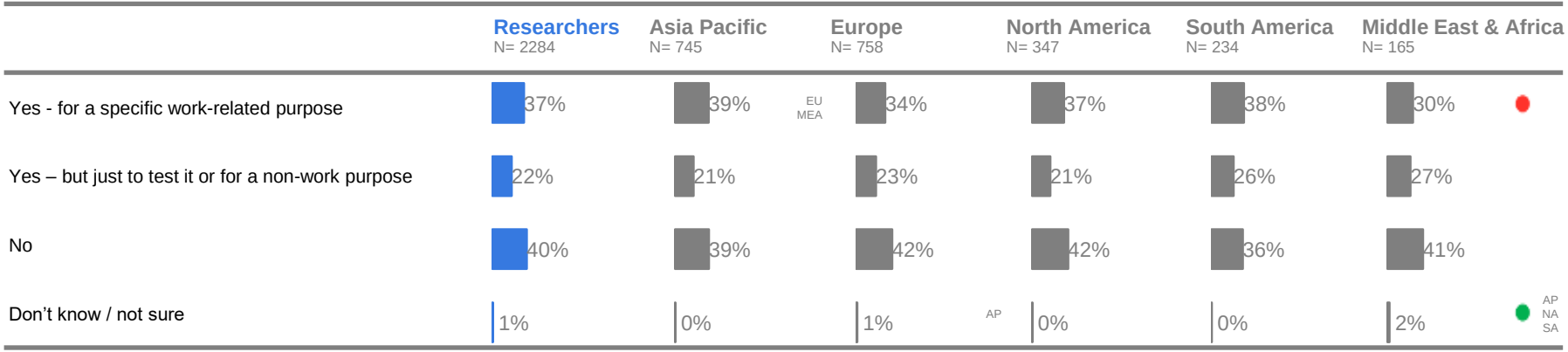
Theme 2

Usage of AI

Have you used an AI product or an AI feature on a product you use regularly?	Slide 16
Which, if any, AI products or AI features have you used for work purposes? (only shown top 8)	Slide 21
Which of the following describes why you haven't used an AI product or AI feature?	Slide 27
Do you expect you will choose to use AI in the near future?	Slide 32
Which restrictions, if any, does your institution currently have with regards to AI usage?	Slide 37
In which ways, if any, is your institution preparing for AI usage?	Slide 42

Back to home

Of researchers who are familiar with AI, nearly 60% have used it. Researchers in MEA are less likely to have used AI for work than average



Questions: Have you used an AI (including generative AI) product or an AI feature on a product you use regularly?

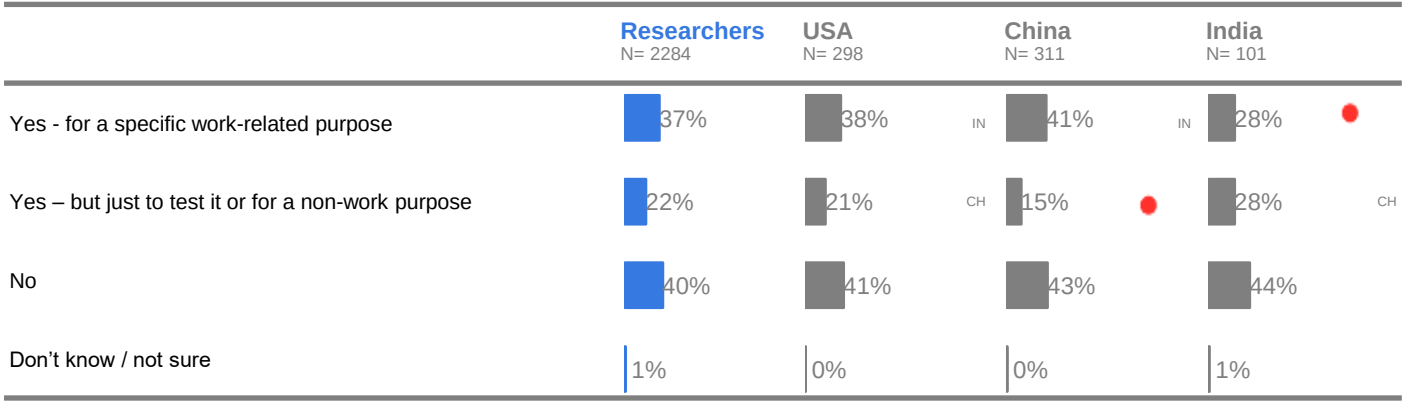
Research

Back to home

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Base: n= 2284

Of those who are familiar with AI, six in ten have used it. Across the three most populous countries researchers in India are less likely to have used it for work than seen globally

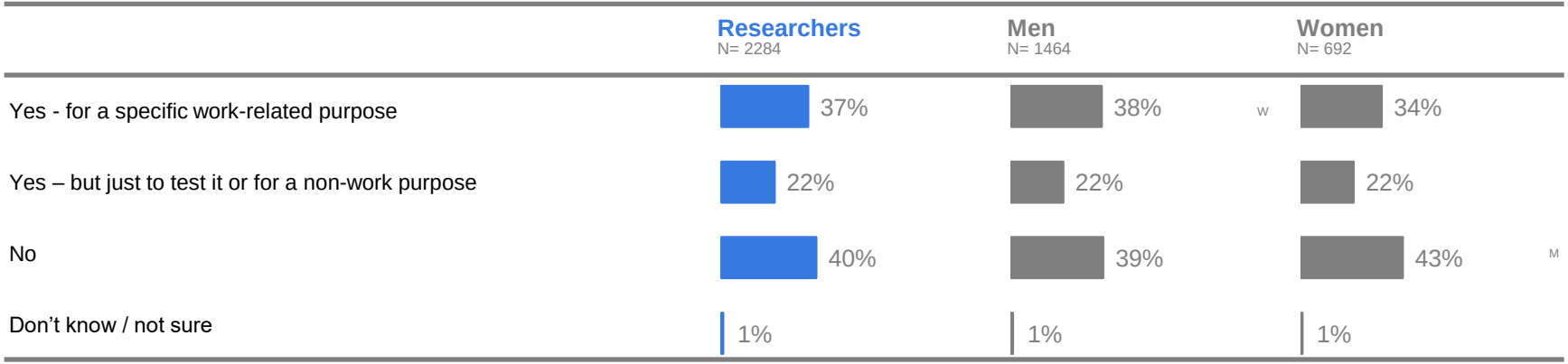


Questions: Have you used an AI (including generative AI) product or an AI feature on a product you use regularly?

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Base: n= 2284

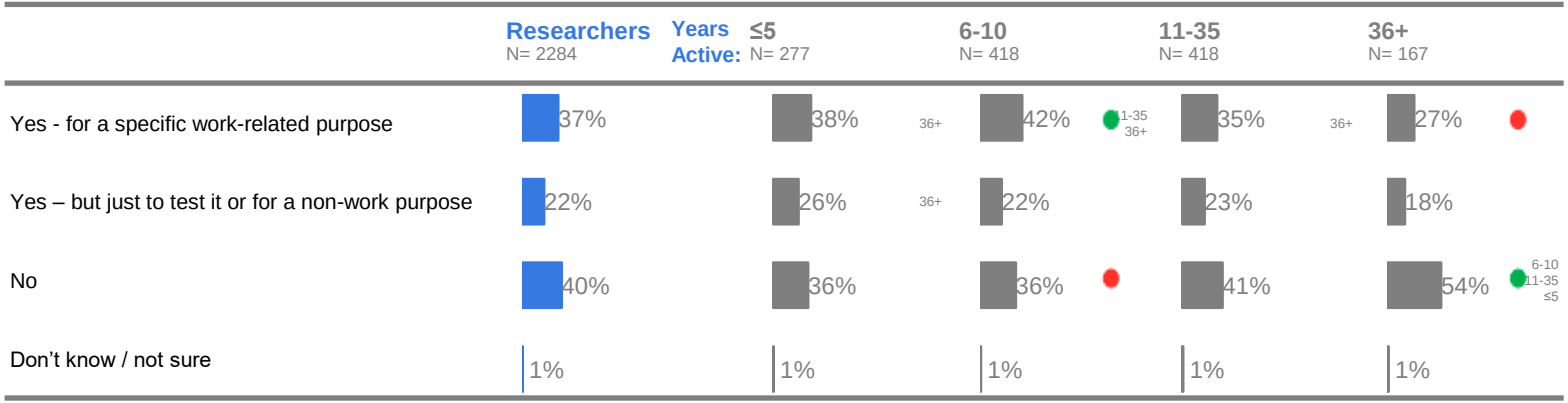
Of those who are familiar with AI, male researchers are more likely to have used AI for a work-related purpose when compared to female researchers



Questions: Have you used an AI (including generative AI) product or an AI feature on a product you use regularly?

Base: n= 2284

Of those who are familiar with AI, researchers who have been in their area of work longest (36+ years active) are less likely to have used AI for work

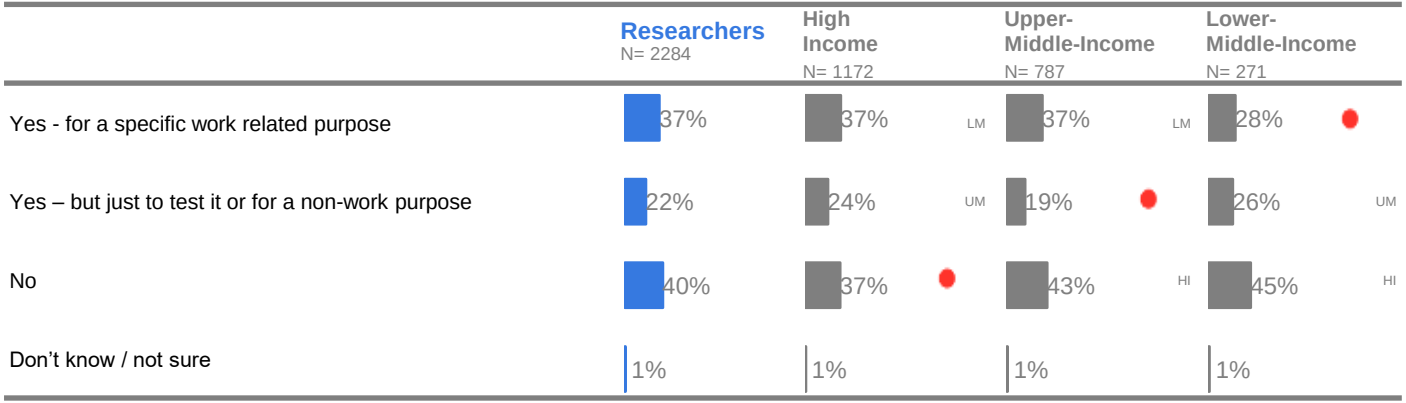


Questions: Have you used an AI (including generative AI) product or an AI feature on a product you use regularly?

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Base: n= 2284

Of those who are familiar with AI, researchers in high income countries are more likely to have used AI (for any purpose) than seen globally

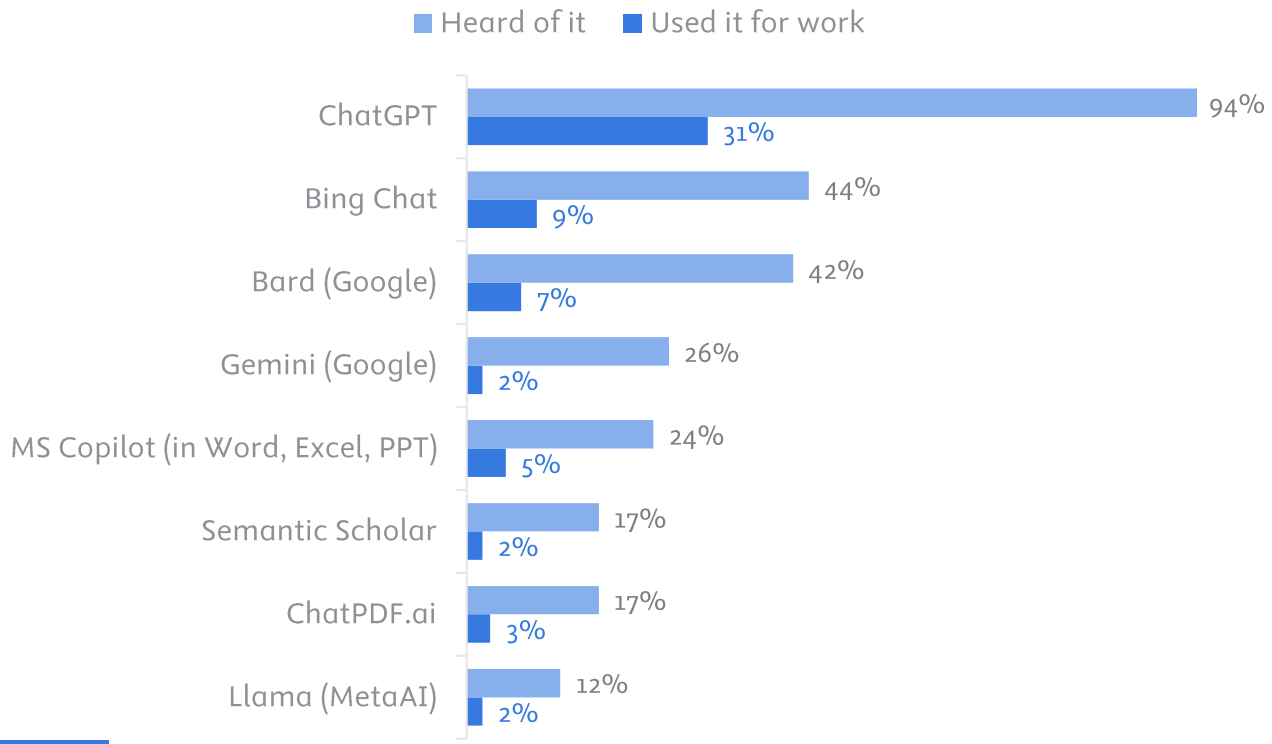


Questions: Have you used an AI (including generative AI) product or an AI feature on a product you use regularly?

Base: n= 2284

ChatGPT is by far the most well-known AI product

with nearly a third of researchers having used it for work

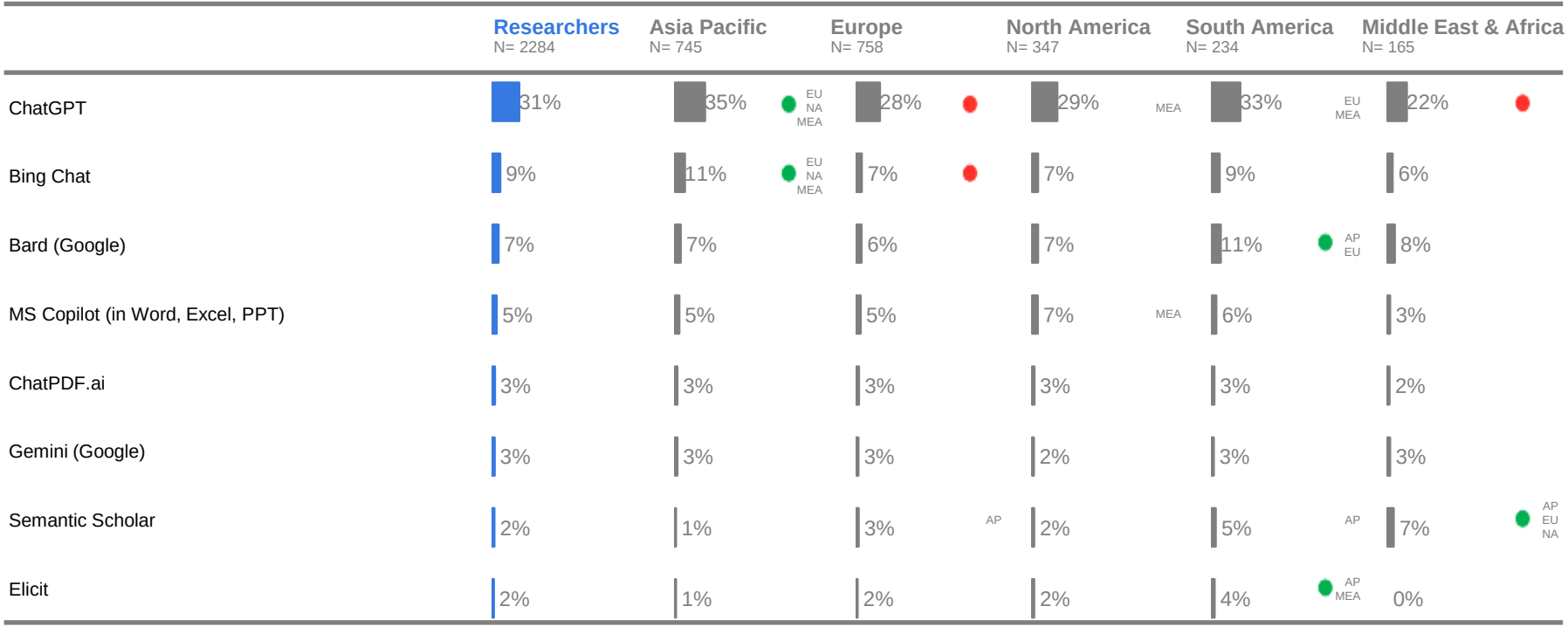


Research

Q: Which of these AI products, if any, have you heard of before today?
Q: Which, if any, AI products or AI features have you used for work purposes?
Base: n=2,284

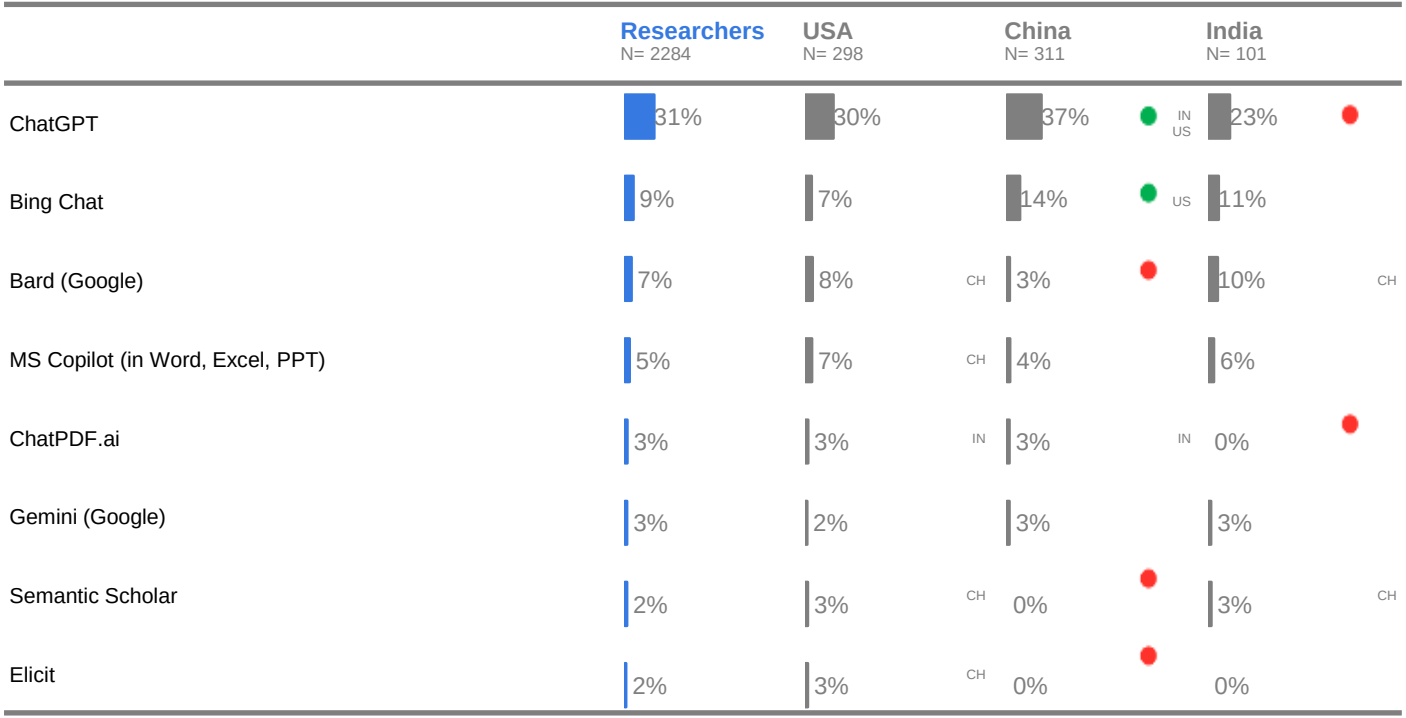
Top 8 by awareness shown. Other AI tools prompted: *OpenEvidence, LLM Titan (Amazon), SciSpace, Merative (IBM Watson Health), OpenAlex, Elicit, Med-PaLM, Claude (Anthropic), Article crafter, Scite.ai, Paper Digest, Hippocratic AI, Bloom One (Bloom AI), Iris ai, EvidenceHunt, Consensus, GlassHealth, Jenni, Lateral.io*

ChatGPT is the tool that most have used for work purposes, more so in APAC



Note: Only top 8 products shown

ChatGPT is the tool that most have used for work purposes, more so in China



Note: Only top 8 products shown

Questions: Which, if any, AI products or AI features have you used for work purposes?
Select: all that have used
Base: n= 2284

Research

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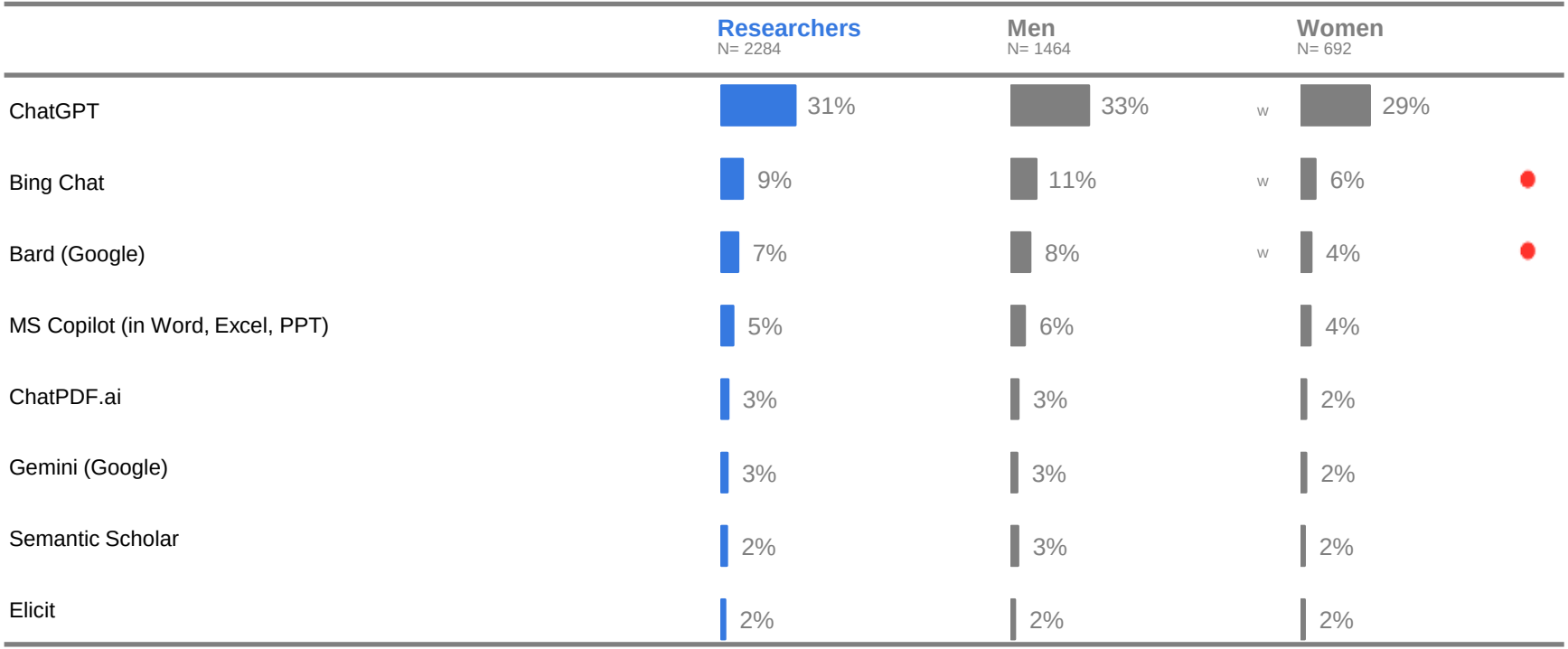
Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

ChatGPT is the tool that most have used for work purposes. More men have used ChatGPT for work than women

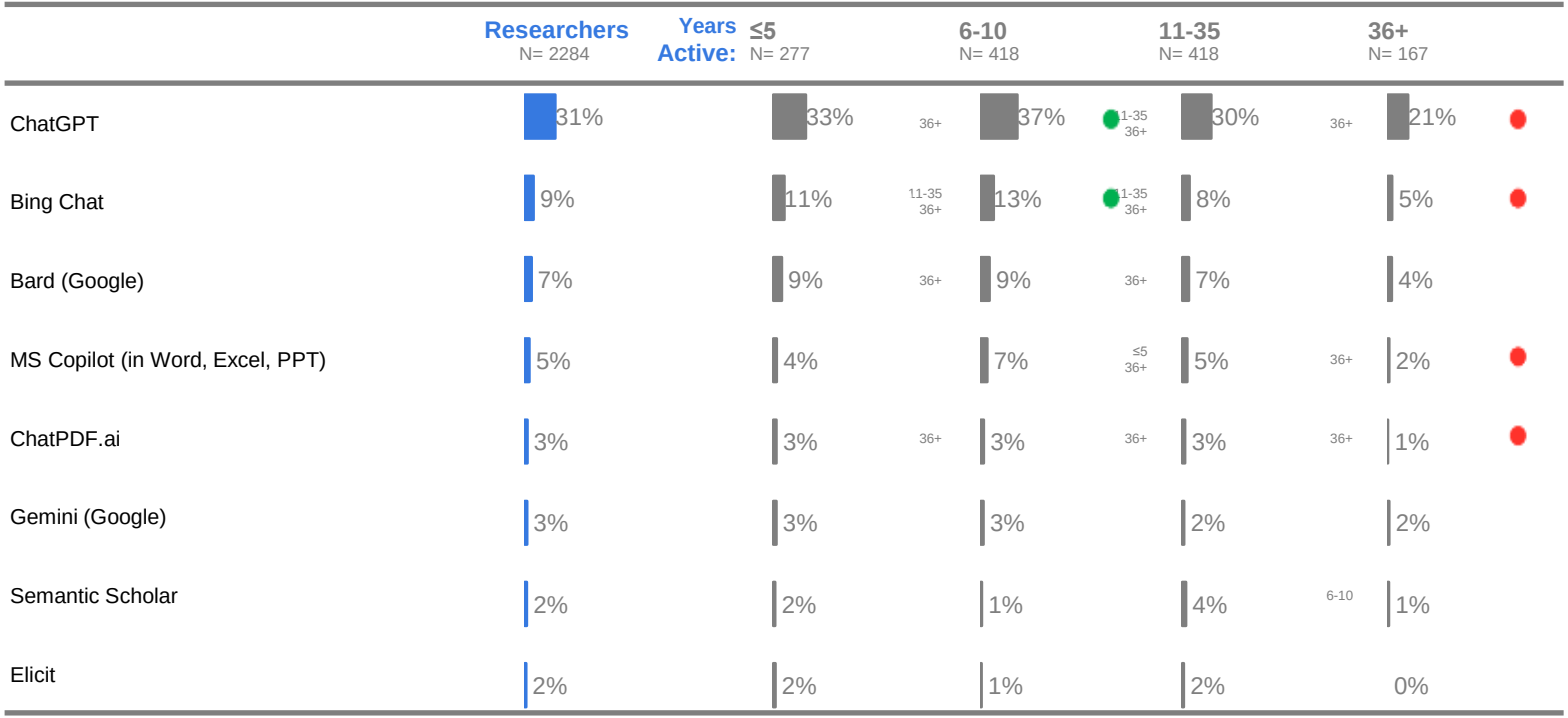


Note: Only top 8 products shown

Questions: Which, if any, AI products or AI features have you used for work purposes?
Select: all that have used
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Gender/Generation (indicated by first letter e.g. M= Men)

ChatGPT is the tool that most have used for work purposes. Those active in their area of work the longest are less likely to have heard of the more well-known AI products



Note: Only top 8 products shown

Questions: Which, if any, AI products or AI features have you used for work purposes? Select: all that have used
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

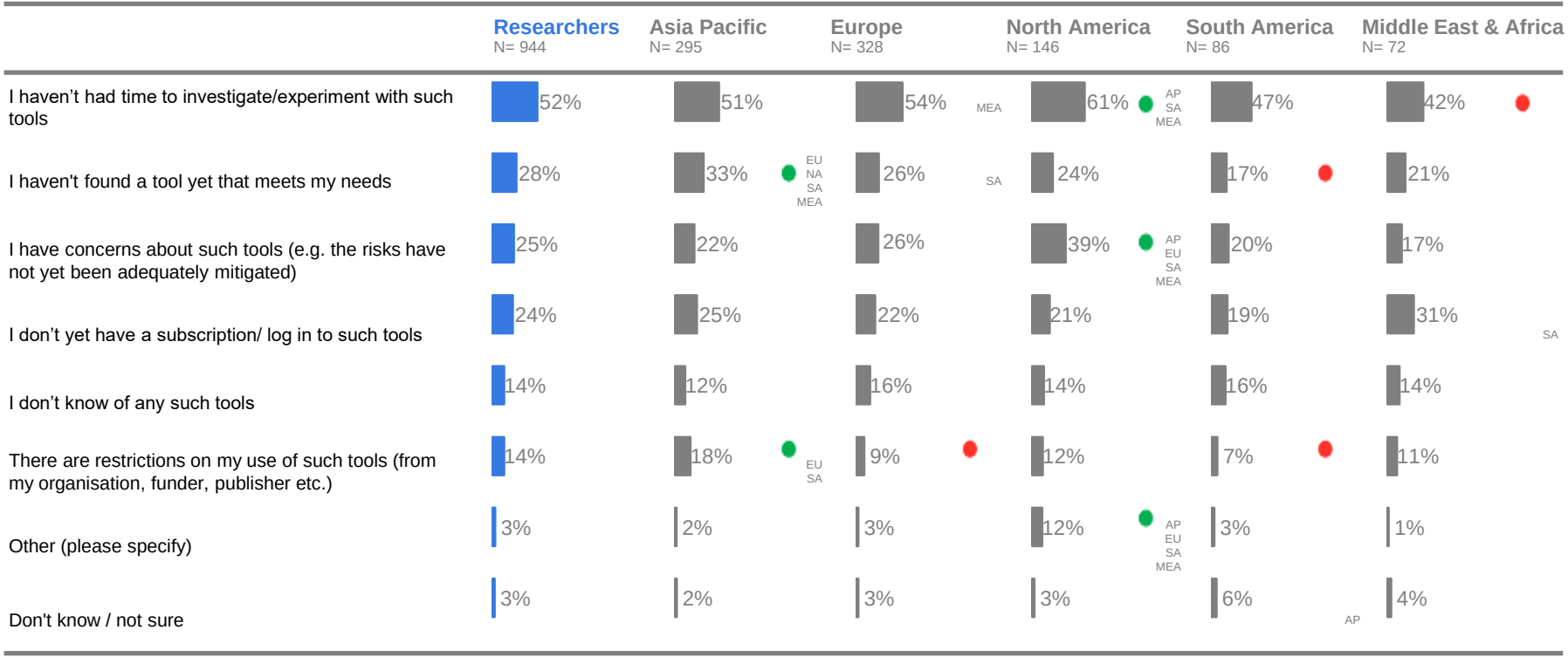
ChatGPT is the tool that most have used for work purposes, less so by researchers in lower-middle-income countries

	Researchers N= 2284	High Income N= 1172	Upper-Middle-Income N= 787	Lower-Middle-Income N= 271
ChatGPT	31%	32% LM	33% LM	23%
Bing Chat	9%	8%	10% HI	8%
Bard (Google)	7%	9% UM	5%	9% UM
MS Copilot (in Word, Excel, PPT)	5%	6% UM	4%	5%
ChatPDF.ai	3%	3%	3%	2%
Gemini (Google)	3%	2%	3%	2%
Semantic Scholar	2%	3% UM	1%	4%
Elicit	2%	2% UM	1%	1%

Note: Only top 8 products shown

Questions: Which, if any, AI products or AI features have you used for work purposes? Select: all that have used
Base: n= 2284

Lack of time is the main reason researchers haven't used AI, this is consistent across regions. Researchers in North America are more likely to have not used AI due to concerns than is seen globally



Questions: Which of the following describes why you haven't used an AI product or AI feature?

Base: n= 944

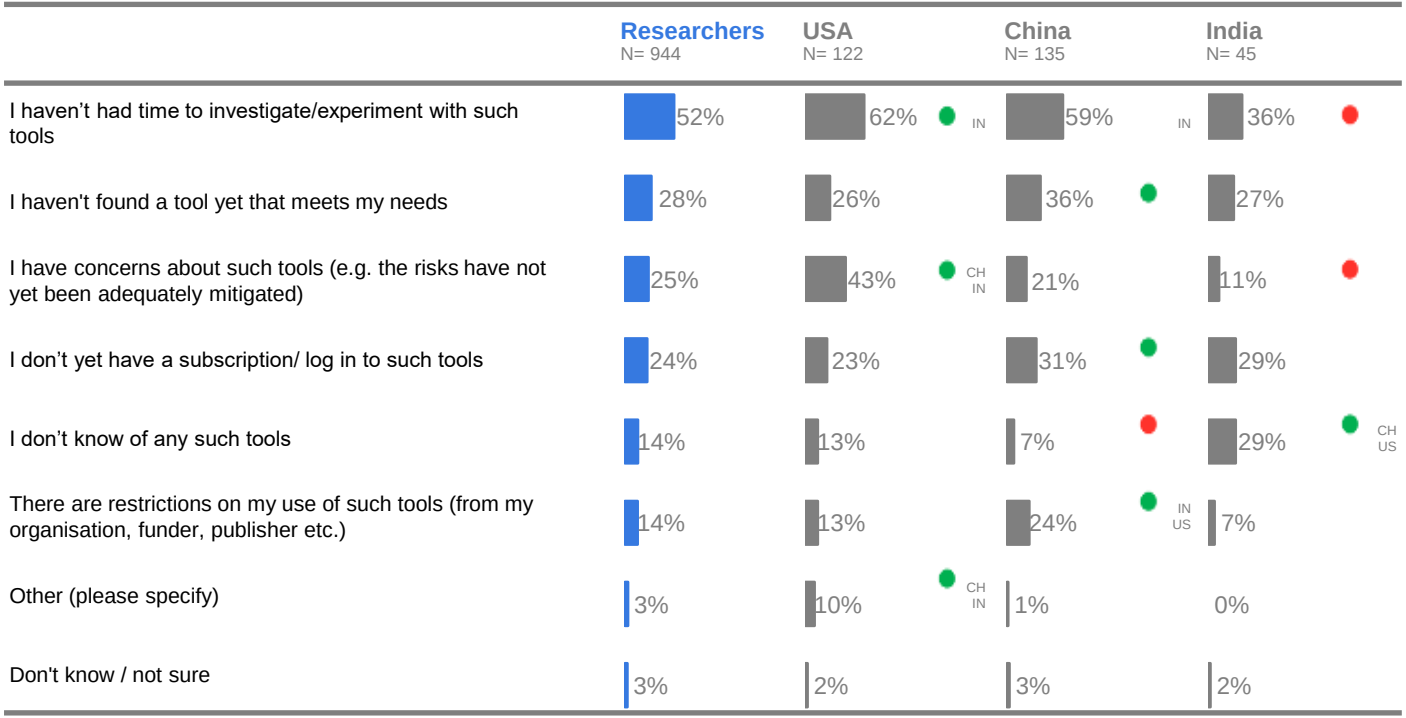
Significantly higher/ lower than…

Significantly higher than…

Global

Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Most common reason for not using AI is a lack of time, this is consistent across the three most populous countries but lower in India



Questions: Which of the following describes why you haven't used an AI product or AI feature?

Base: n= 944

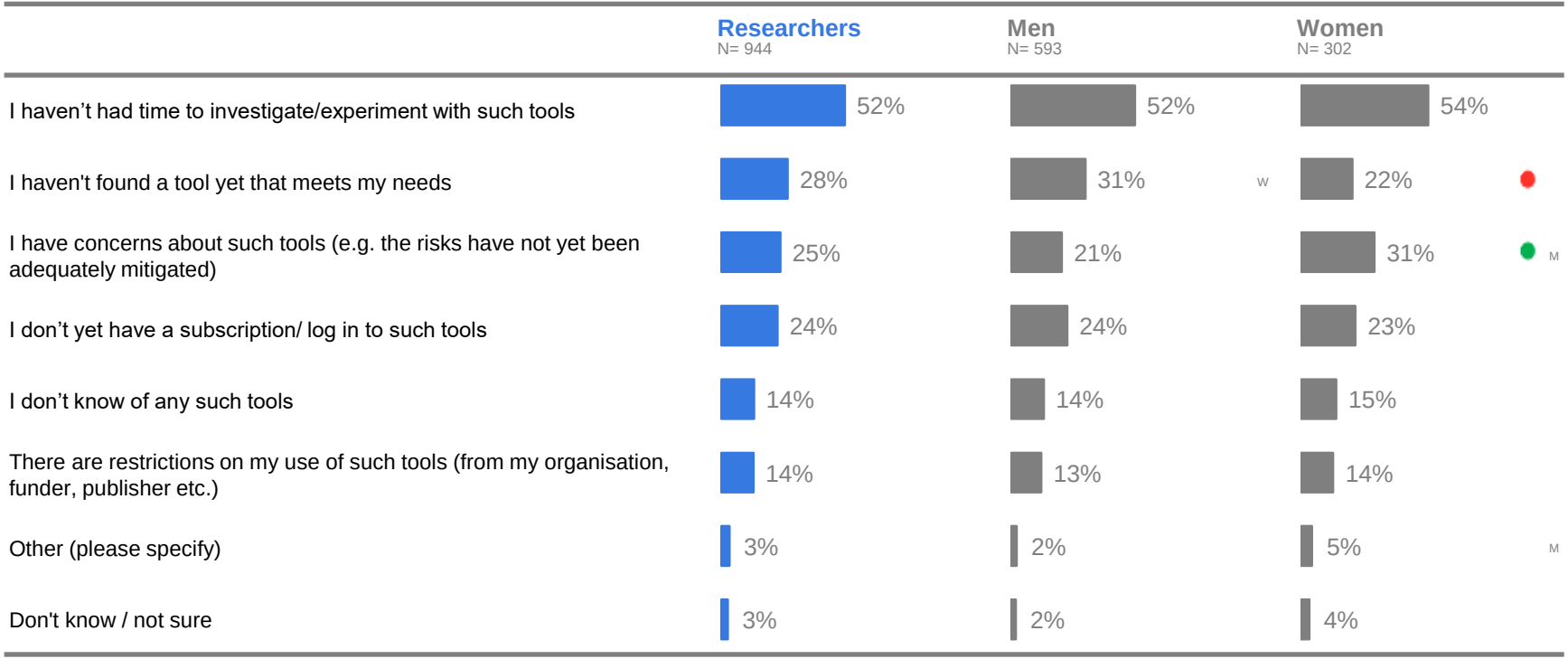
Significantly higher/ lower than…

Significantly higher than…

Global

Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Concern about the risks of AI tools is a common barrier to use, felt more among women who haven't used AI than men

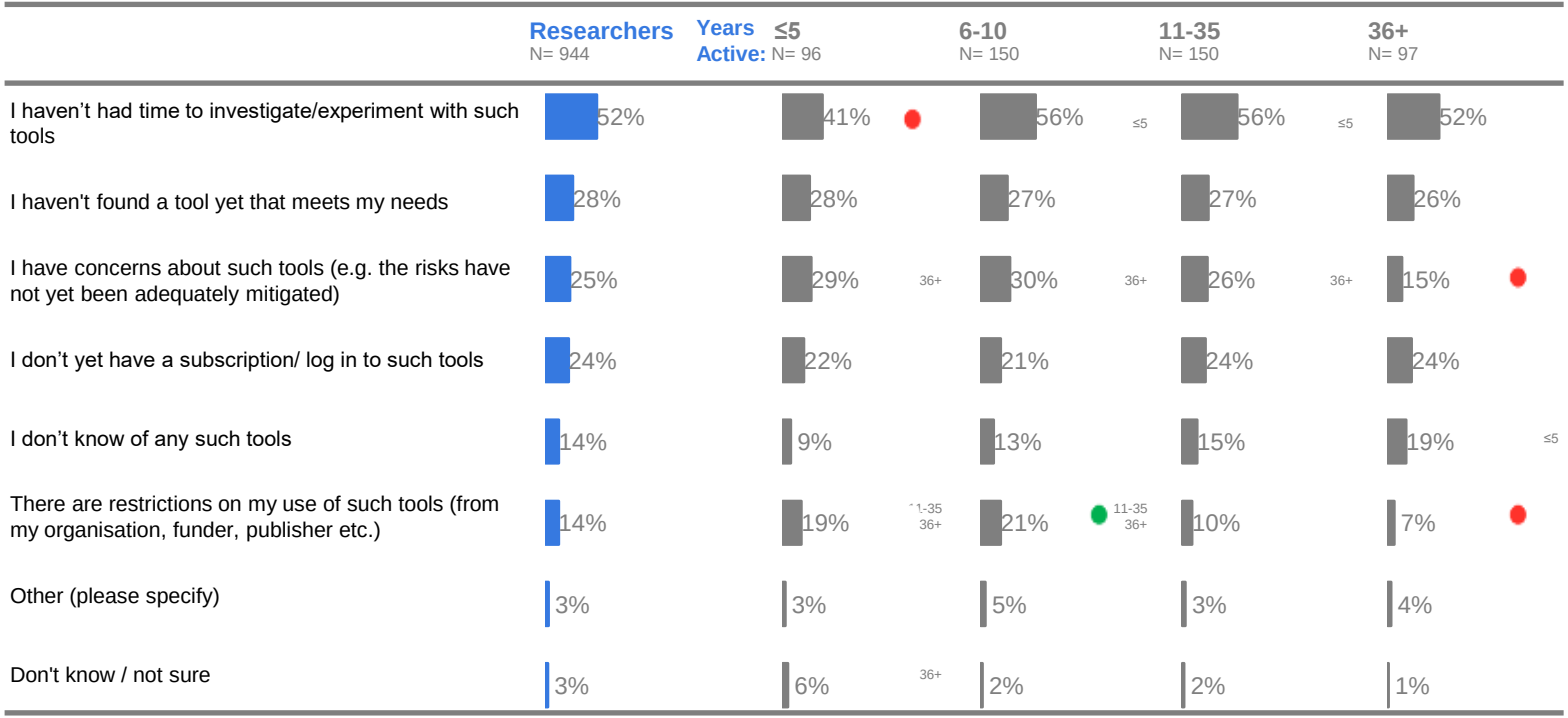


Questions: Which of the following describes why you haven't used an AI product or AI feature?

Base: n= 944

Significantly higher/ lower than…
Significantly higher than…
Global
Gender/Generation (indicated by first letter e.g. M= Men)

Lack of time is the main reason for researchers not having used AI, and researchers active in their role ≤5 less likely to have not used AI due to lack of time than seen globally

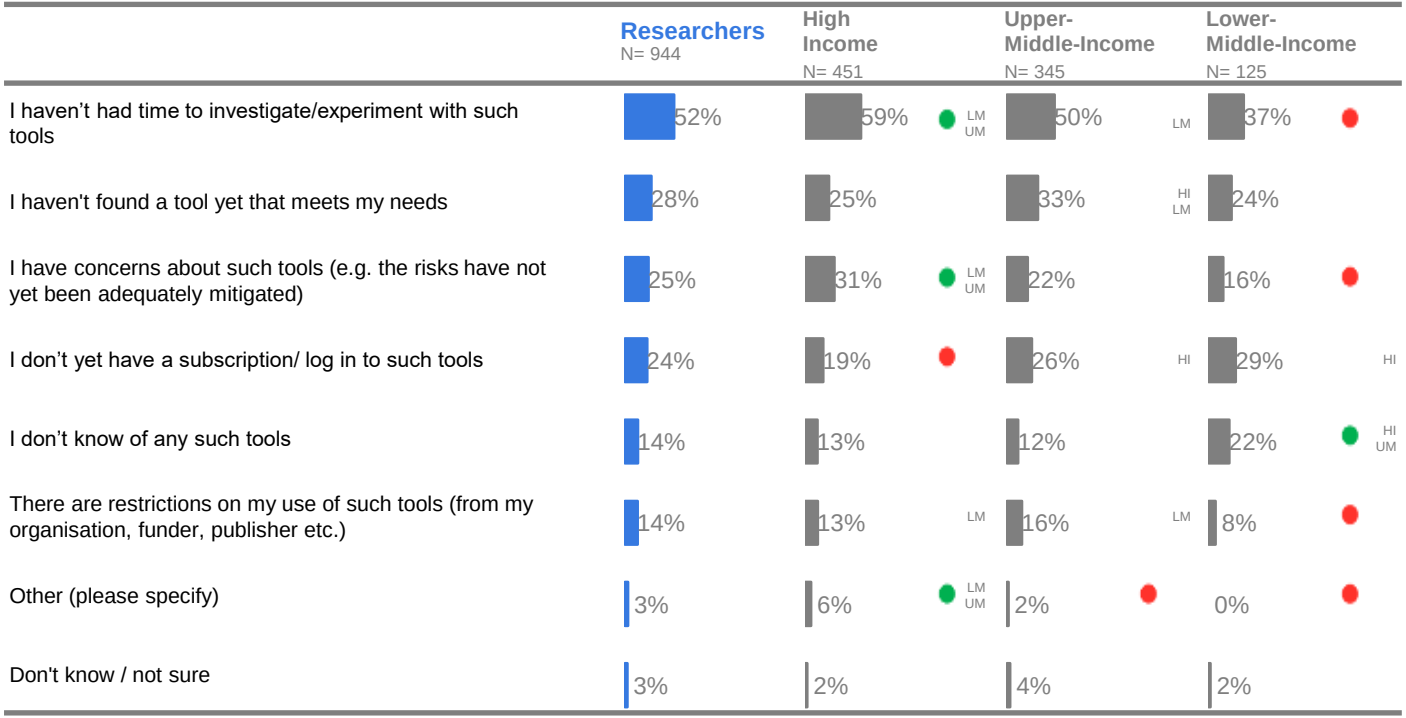


Questions: Which of the following describes why you haven't used an AI product or AI feature?

Base: n= 944

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

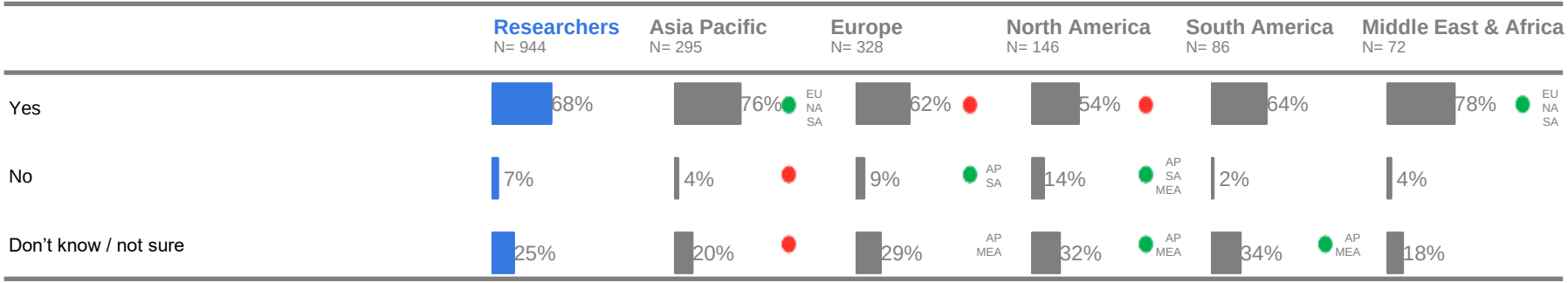
More researchers in high income countries state lack of time as the main barrier to use of AI than average



Questions: Which of the following describes why you haven't used an AI product or AI feature?

Base: n= 944

Of researchers who have not used AI, more than two-thirds expect to use it within the next two to five years. This is highest in MEA and lowest in North America



Questions: Do you expect you will choose to use AI in the near future?

Base: n= 944

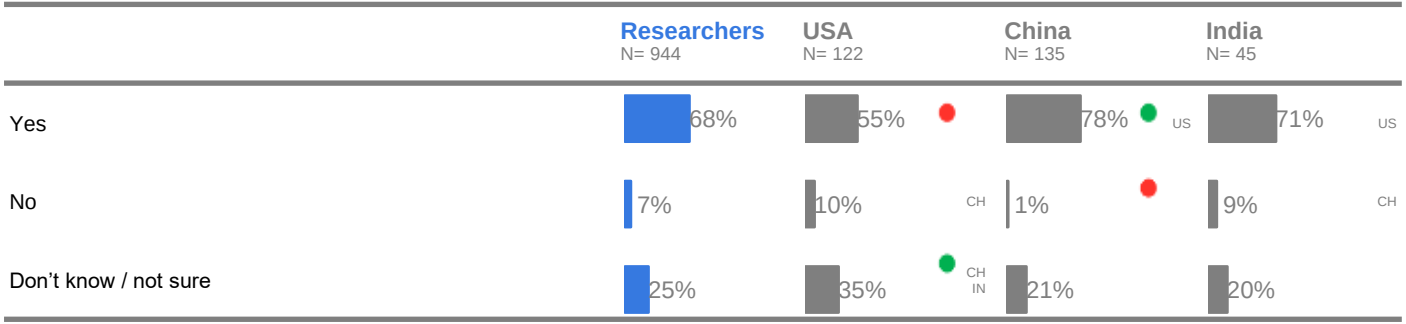
Significantly higher/ lower than…

Significantly higher than…

Global

Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Around two-thirds of those researchers who haven't used AI expect to use it within the next 2-5 years globally, but this figure is only around half in the USA



Questions: Do you expect you will choose to use AI in the near future?

Base: n= 944

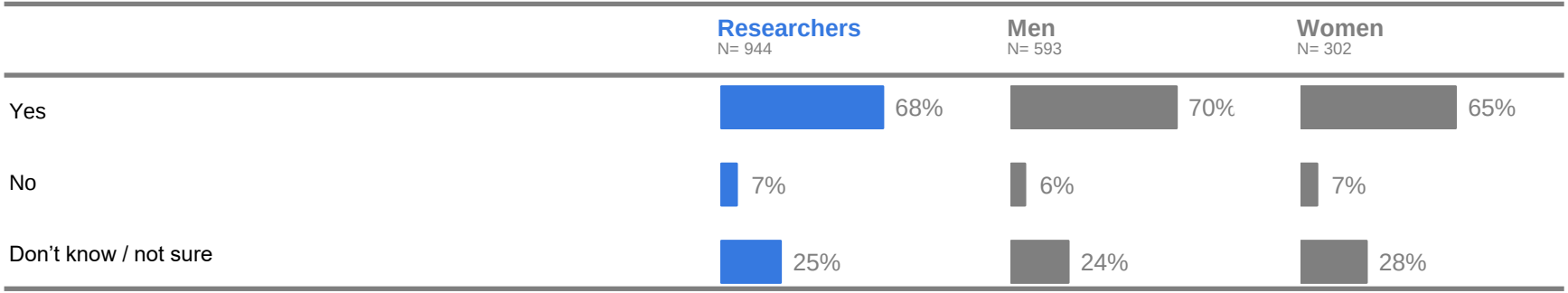
Significantly higher/ lower than…

Significantly higher than…

Global

Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

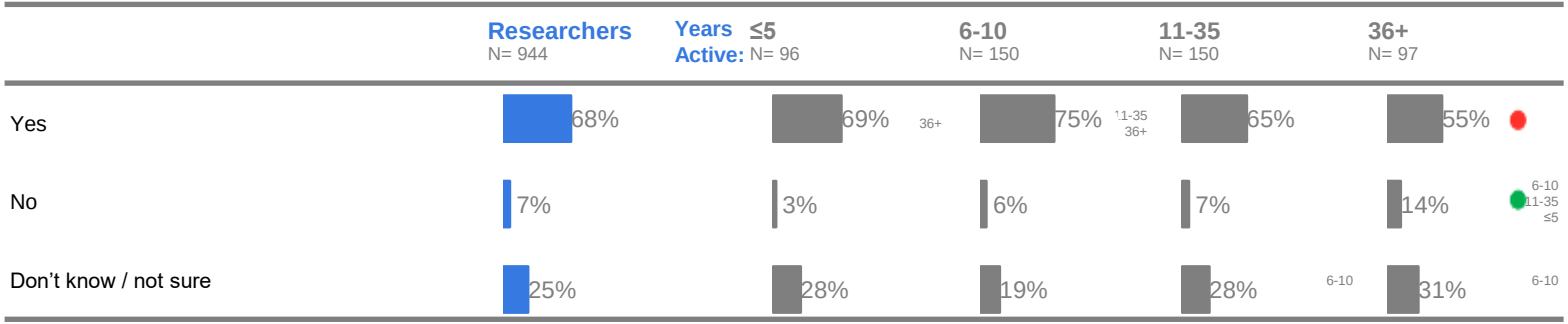
Most researchers who haven't used AI expect they will use it in the near future, there is no statistical difference between men and women



Questions: Do you expect you will choose to use AI in the near future?

Base: n= 944

Of those who haven't already used it, researchers who've been in their area of work longest (36+ years active) are less likely to use AI in the near future



Questions: Do you expect you will choose to use AI in the near future?

Base: n= 944

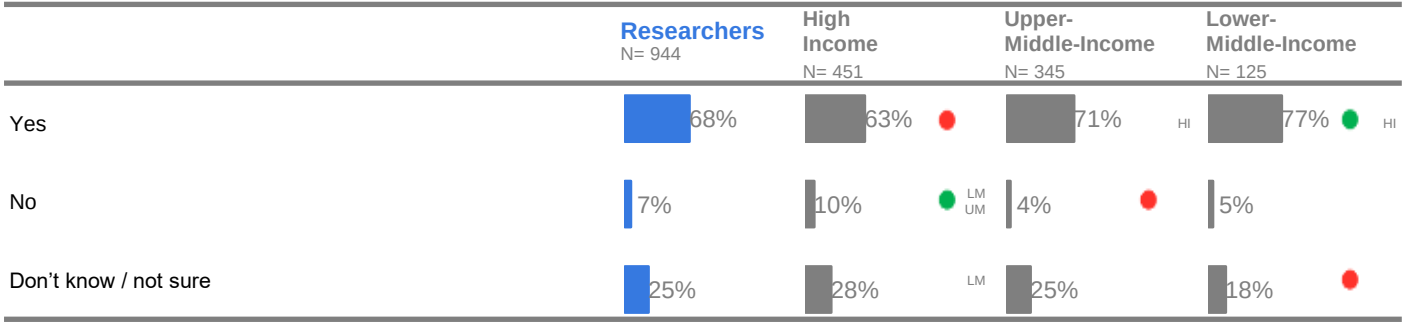
Significantly higher/ lower than…

Significantly higher than…

Global

Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

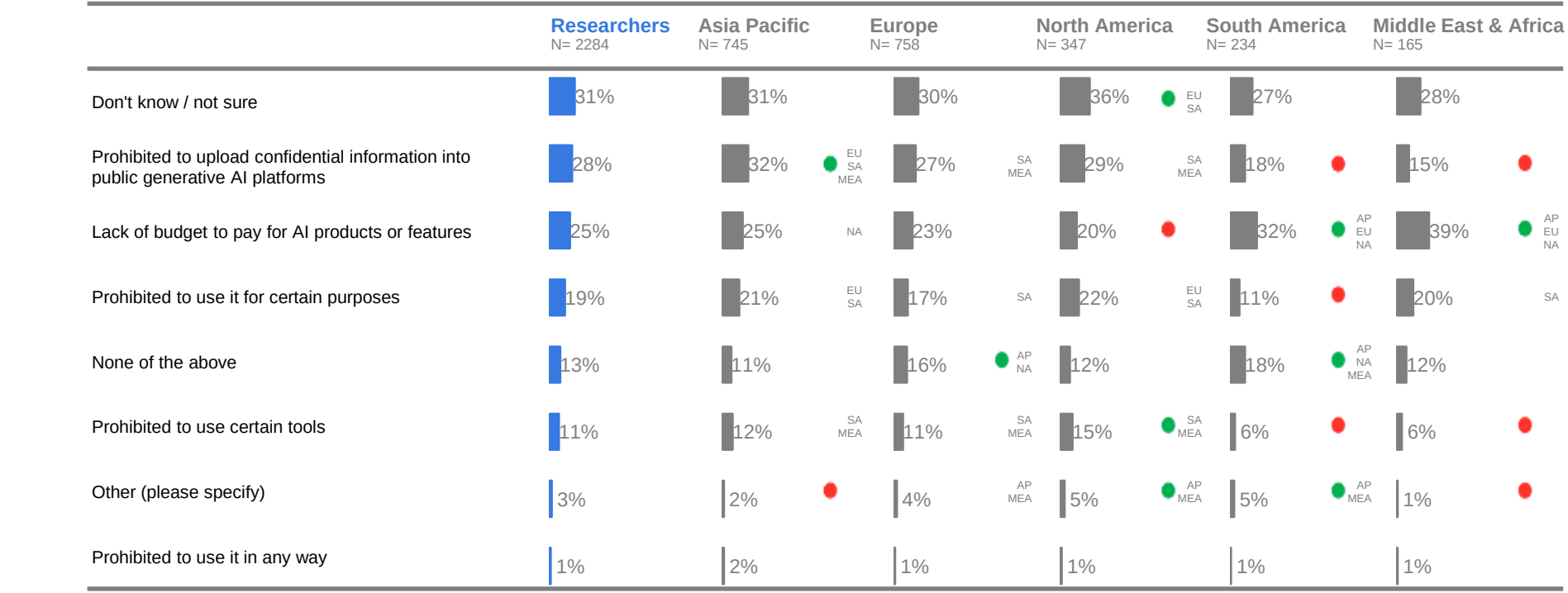
Researchers in lower-middle-income countries who haven't used AI, are more likely to choose to use it in the near future



Questions: Do you expect you will choose to use AI in the near future?

Base: n= 944

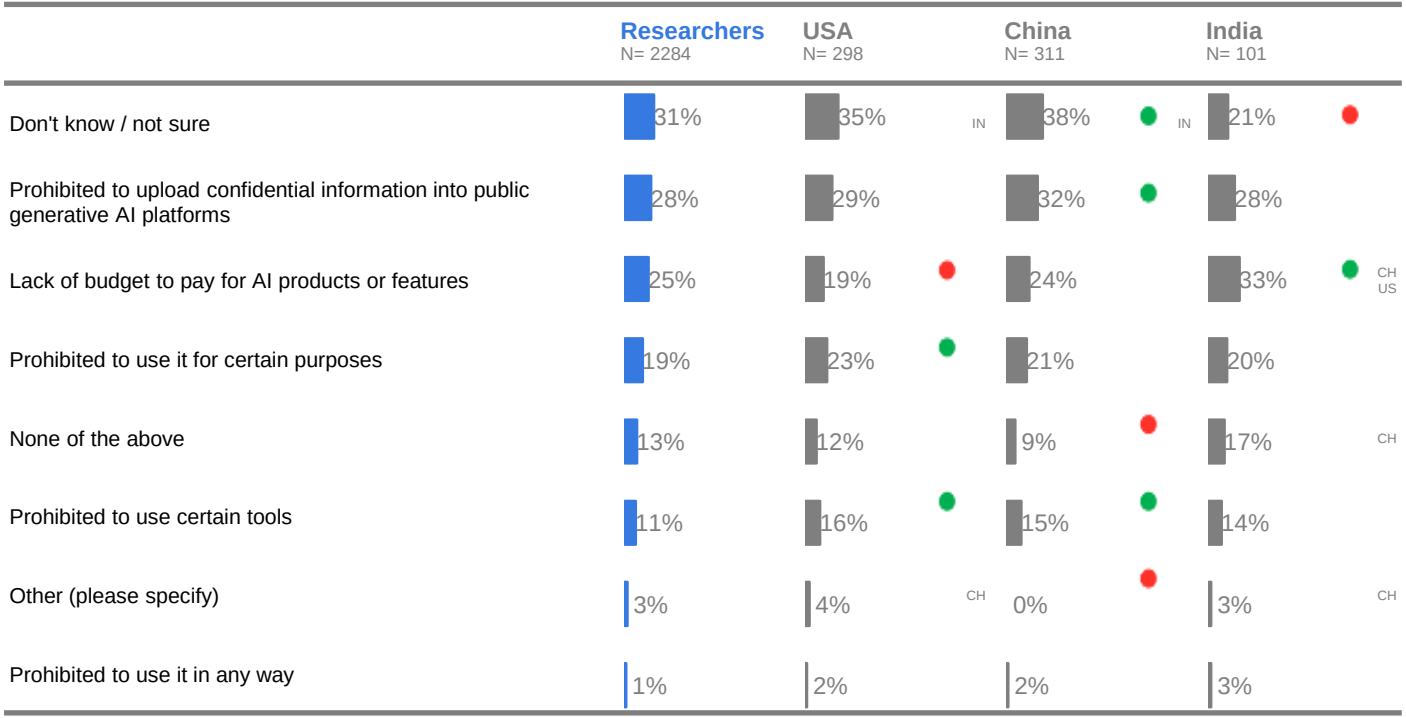
Many don't know if their institution has restrictions in place on the use of AI. Budget is the biggest restriction to use in South America and Middle East and Africa



Questions: Which restrictions, if any, does your institution currently have with regards to AI usage?
Select: all that apply
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

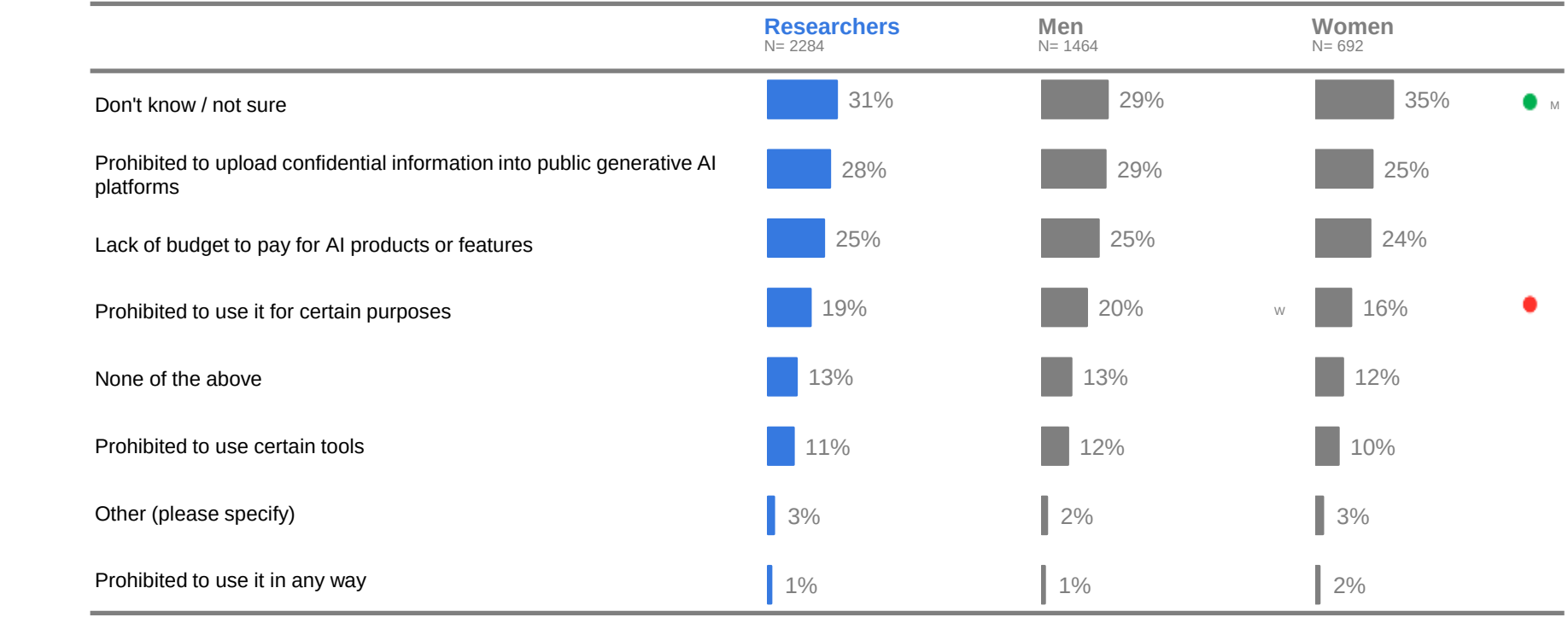
Around a third don't know if their institution has restrictions in place on the use of AI, across the three most populous countries it higher for researchers in China



Questions: Which restrictions, if any, does your institution currently have with regards to AI usage?
Select: all that apply
Base: n= 2284

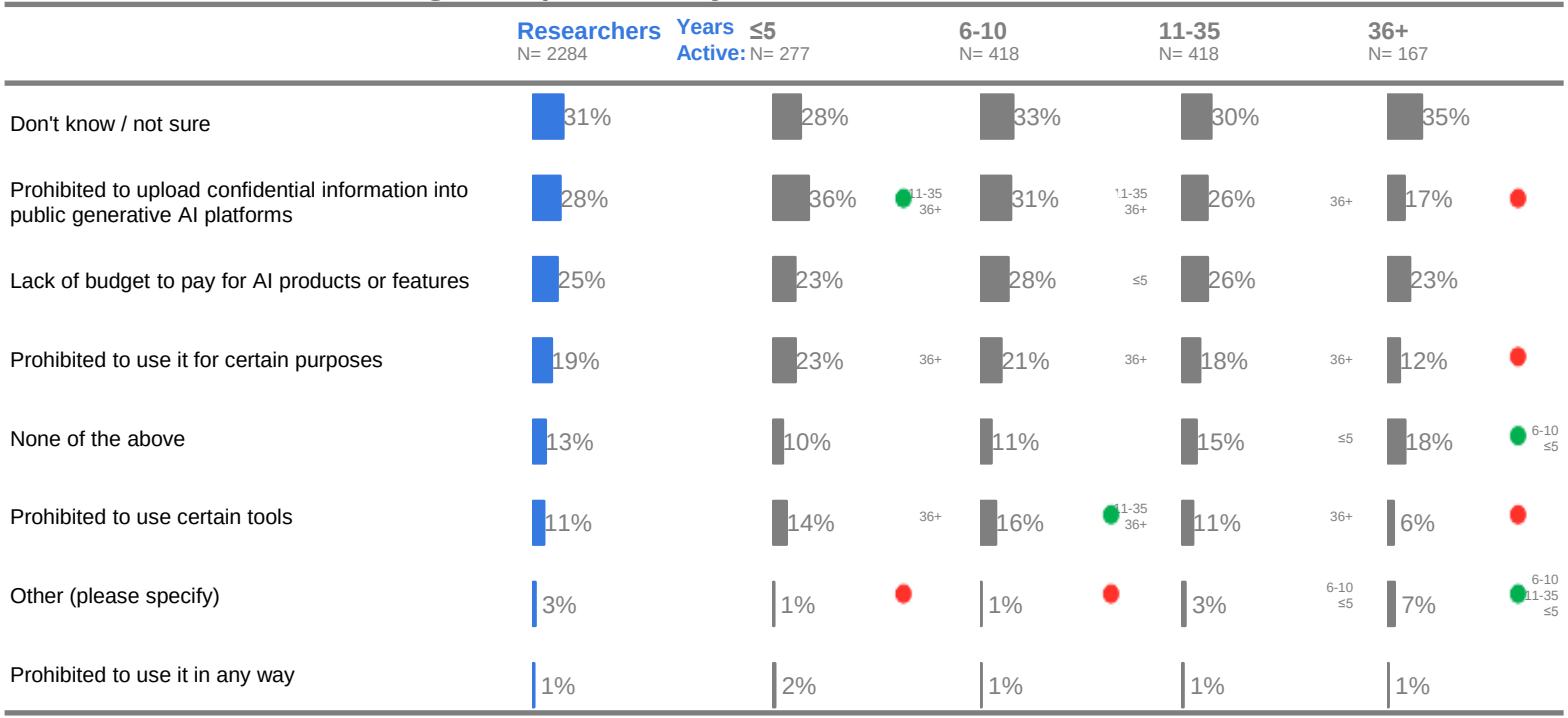
Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Around a third don't know if their institution has restrictions in place on the use of AI, with this being more common among women



Questions: Which restrictions, if any, does your institution currently have with regards to AI usage?
Select: all that apply
Base: n= 2284

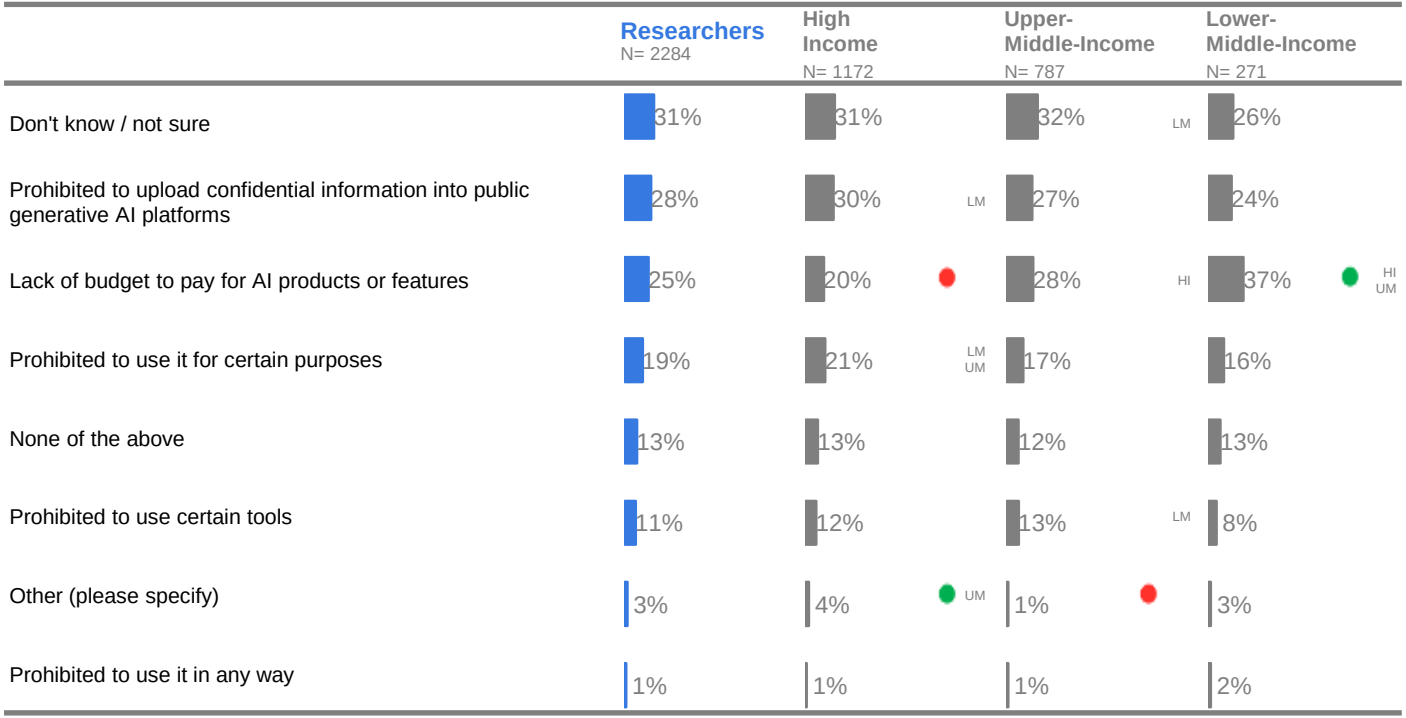
Researchers who have been active their area of work 5 years or less think not uploading confidential information to generative AI platforms is the biggest restriction on AI usage imposed by their institution



Questions: Which restrictions, if any, does your institution currently have with regards to AI usage?
Select: all that apply
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Lack of budget is the biggest institutional restriction on the use of AI for researchers in lower-middle-income countries



Questions: Which restrictions, if any, does your institution currently have with regards to AI usage?
Select: all that apply
Base: n= 2284

Research

Back to home

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Researchers generally are unaware of any institutional plans to prepare for AI usage, the most common preparation is setting up a community of practice (1/2)

1/2

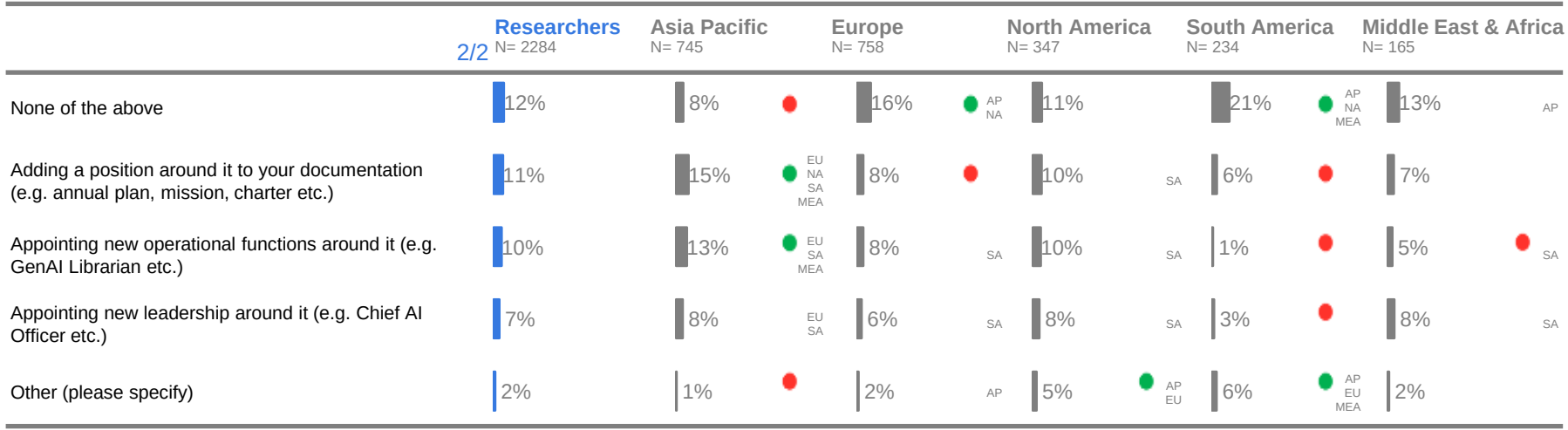
	Researchers N= 2284	Asia Pacific N= 745	Europe N= 758	North America N= 347	South America N= 234	Middle East & Africa N= 165
Don't know / not sure	44%	43%	44%	45%	45%	38%
Setting up a community of practice around it	17%	17% SA	17% SA	24% AP EU SA MEA	9%	17% SA
Building a plan/protocol to evaluate the purchase of tools that include it	15%	18% EU SA MEA	13%	15% SA	9%	13%
Providing ethics courses	15%	16% EU	12%	16% EU	12%	16%
Planning to acquire tools that include it (within 2024 or before)	13%	14% SA	12% SA	14% SA	7%	12%

Questions: In which ways, if any, is your institution preparing for AI usage?
Select: all that apply
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Researchers generally are unaware of any institutional plans to prepare for AI usage, the most common preparation is setting up a community of practice (2/2)

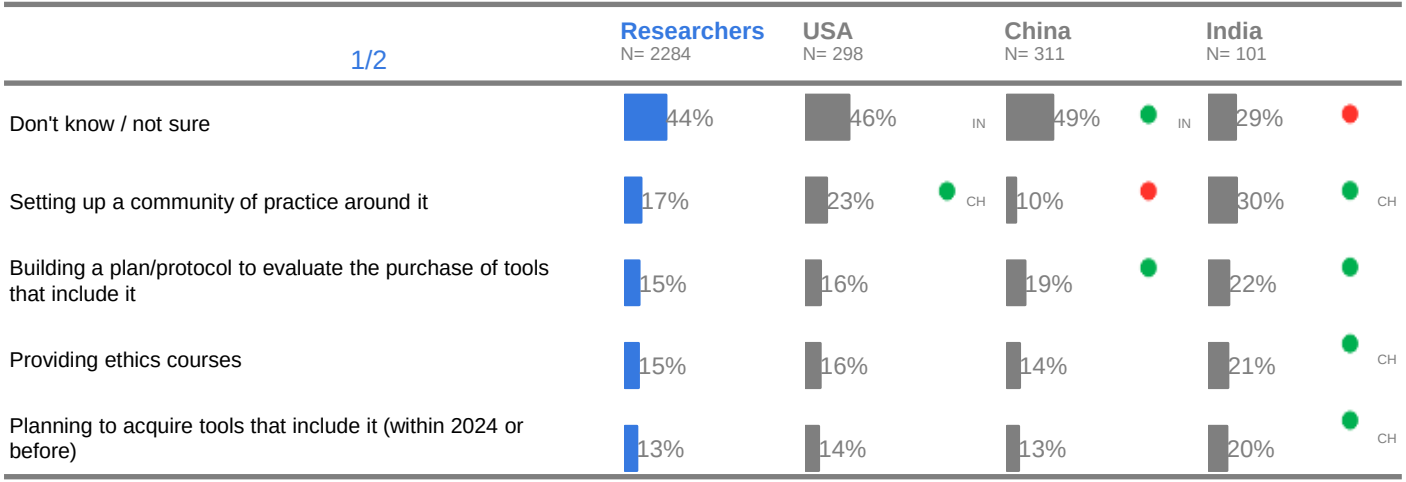
ELSEVIER



Questions: In which ways, if any, is your institution preparing for AI usage?
Select: all that apply
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Researchers in China are more likely to be unsure how their institution is preparing for AI usage (1/2)



Questions: In which ways, if any, is your institution preparing for AI usage?
Select: all that apply
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Researchers in China are more likely to be unsure how their institution is preparing for AI usage (2/2)

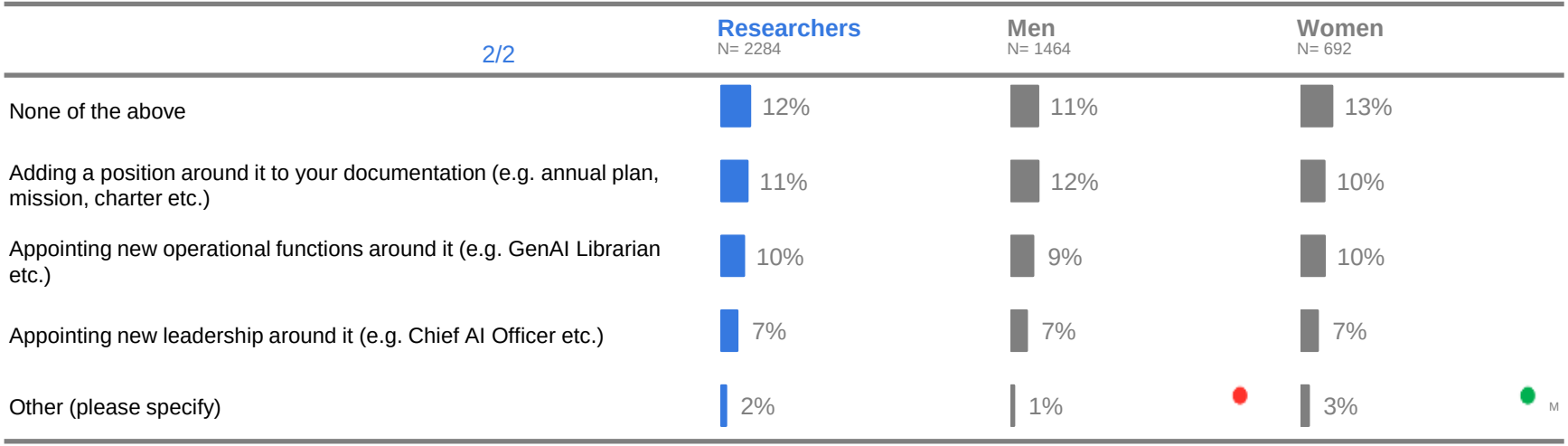
2/2	Researchers N= 2284	USA N= 298	China N= 311	India N= 101
None of the above	12%	10%	7%	11%
Adding a position around it to your documentation (e.g. annual plan, mission, charter etc.)	11%	10%	21% (IN, US)	9%
Appointing new operational functions around it (e.g. GenAI Librarian etc.)	10%	10%	13%	13%
Appointing new leadership around it (e.g. Chief AI Officer etc.)	7%	7%	5%	13% (CH, US)
Other (please specify)	2%	4% (CH)	0%	3% (CH)

Most commonly, researchers are unaware of any institutional plans to prepare for AI usage – little difference between men and women (1/2)

1/2	Researchers N= 2284	Men N= 1464	Women N= 692
Don't know / not sure	44%	44%	43%
Setting up a community of practice around it	17%	18%	15%
Building a plan/protocol to evaluate the purchase of tools that include it	15%	16%	15%
Providing ethics courses	15%	14%	16%
Planning to acquire tools that include it (within 2024 or before)	13%	13%	13%

Most commonly, researchers are unaware of any institutional plans to prepare for AI usage – little difference between men and women (2/2)

ELSEVIER



Research

Back to home

Significantly higher/ lower than…
Significantly higher than…
Global
Gender/Generation (indicated by first letter e.g. M= Men)

Questions: In which ways, if any, is your institution preparing for AI usage?
Select: all that apply
Base: n= 2284

Researchers are generally unaware of any institutional plans to prepare for AI usage, particularly so among researchers active 6-10 years in their area of work (1/2)

1/2

	Researchers N= 2284	Years Active: ≤5 N= 277	6-10 N= 418	11-35 N= 418	36+ N= 167
Don't know / not sure	44%	40%	48%	41%	50%
Setting up a community of practice around it	17%	15%	18%	18%	17%
Building a plan/protocol to evaluate the purchase of tools that include it	15%	14%	15%	15%	11%
Providing ethics courses	15%	15%	16%	14%	10%
Planning to acquire tools that include it (within 2024 or before)	13%	12%	11%	13%	14%

≤5 11-35 36+ 11-35 ≤5

Questions: In which ways, if any, is your institution preparing for AI usage? Select: all that apply
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Researchers are generally unaware of any institutional plans to prepare for AI usage, particularly among researchers active 6-10 years in their area of work (2/2)

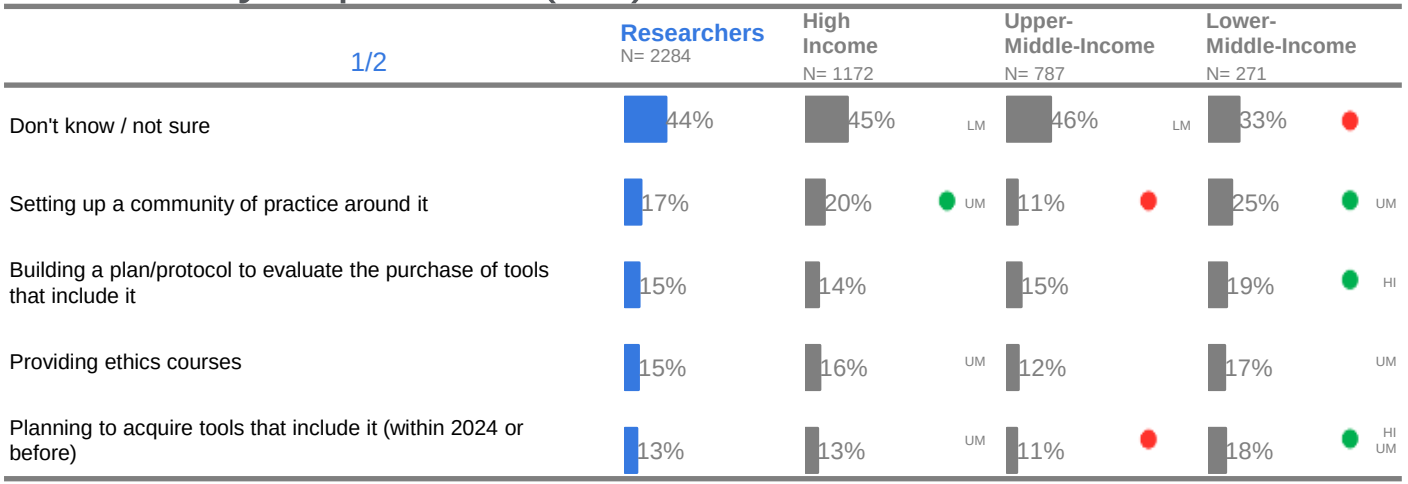
2/2

	Researchers N= 2284	Years Active: ≤5 N= 277	6-10 N= 418	11-35 N= 418	36+ N= 167
None of the above	12%	14% 6-10	9%	14% 6-10	11%
Adding a position around it to your documentation (e.g. annual plan, mission, charter etc.)	11%	15% 6-10 36+	9%	11% 36+	6%
Appointing new operational functions around it (e.g. GenAI Librarian etc.)	10%	13% 6-10 11-35 36+	9% 36+	9% 36+	5%
Appointing new leadership around it (e.g. Chief AI Officer etc.)	7%	6%	7%	7%	6%
Other (please specify)	2%	2%	2%	3%	3%

Questions: In which ways, if any, is your institution preparing for AI usage?
Select: all that apply
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Lower-middle-income researchers have greatest awareness of institutional plans for AI usage and a quarter are setting up a community of practice (1/2)



Questions: In which ways, if any, is your institution preparing for AI usage? Select: all that apply
Base: n= 2284

Lower-middle-income researchers have greatest awareness of institutional plans for AI usage and a quarter are setting up a community of practice (2/2)

2/2	Researchers N= 2284	High Income N= 1172	Upper-Middle-Income N= 787	Lower-Middle-Income N= 271
None of the above	12%	12%	13%	11%
Adding a position around it to your documentation (e.g. annual plan, mission, charter etc.)	11%	9%	14% HI	10%
Appointing new operational functions around it (e.g. GenAI Librarian etc.)	10%	9%	10%	11%
Appointing new leadership around it (e.g. Chief AI Officer etc.)	7%	7% UM	5%	10% UM
Other (please specify)	2%	3%	2%	2%

Questions: In which ways, if any, is your institution preparing for AI usage? Select: all that apply
Base: n= 2284

3. Perceptions of AI

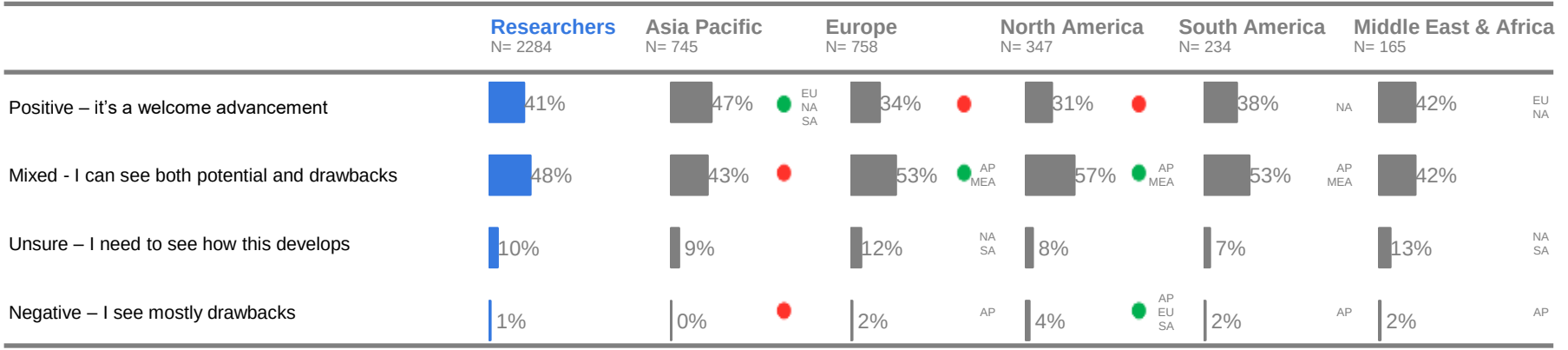
Theme 3

Perceptions of AI

What are your overall feelings about the impact of AI on your area of work?	Slide 54
What do you think will be the level of impact of AI in your area of work in the near future?	Slide 59
To what extent, if at all, do you have concerns about the ethical implications of AI in your area of work?	Slide 64
You mentioned that you had concerns, what do you think are the top 3 disadvantages of AI?	Slide 69
Thinking about the impact AI will have on society and your work, to what extent do you think over the next 2 to 5 years it will…?	Slide 84
Thinking about the use of generative AI in your area of work, how much do you agree or disagree with the following?	Slide 94
To what extent, if at all, would the following factors increase your trust in tools that utilize generative AI?	Slide 99
Which information areas about a tool's dependency on generative AI would most increase your comfort in using that tool?	Slide 104
Would you prefer any generative AI functionality included in a product you use already to be…?	Slide 114

Back to home

Most have mixed feelings about the impact of AI on their work. More researchers in Europe and North America have mixed views while APAC are the most positive. Few are across regions are negative



Questions: What are your overall feelings about the impact of AI on your area of work?

Base: n= 2284

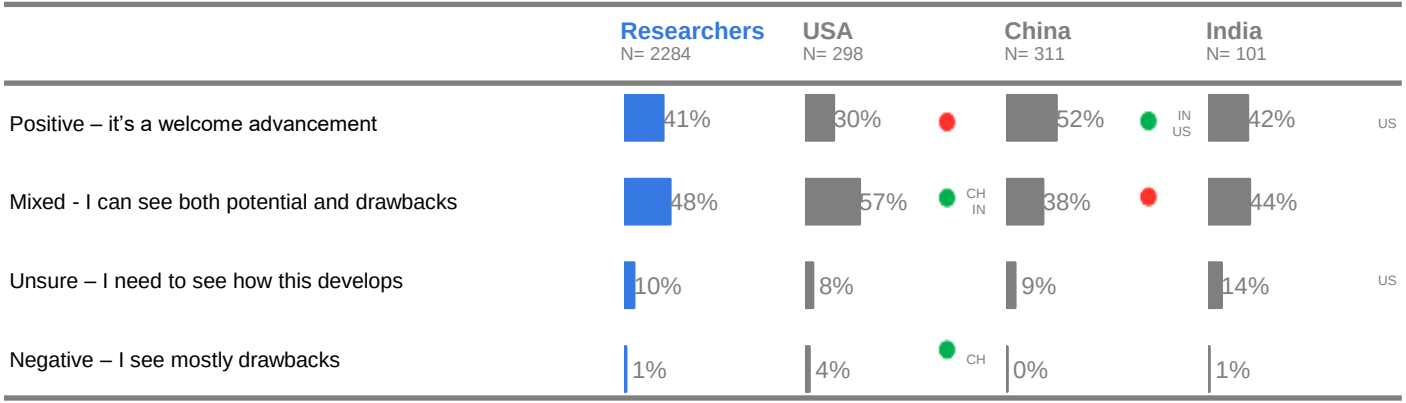
Significantly higher/ lower than…

Significantly higher than…

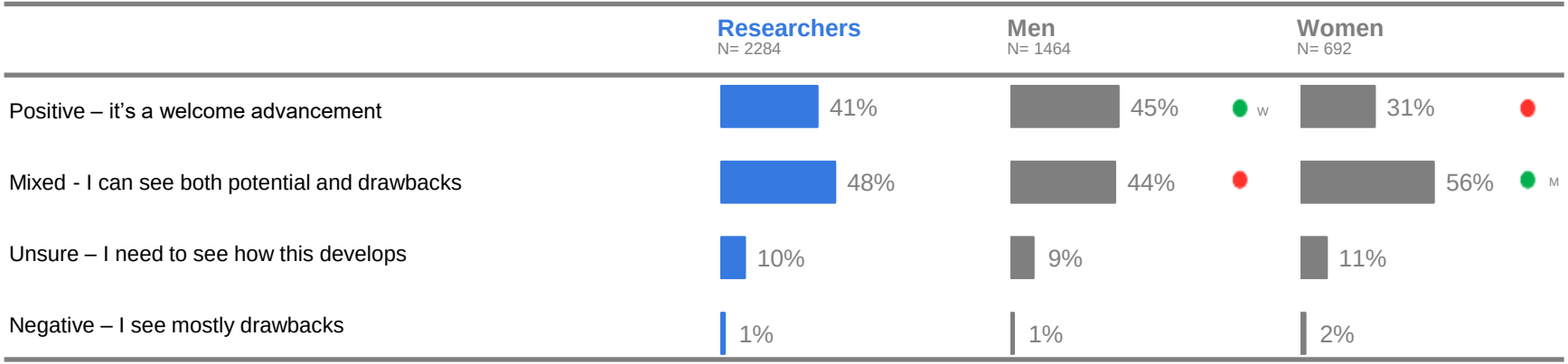
Global

Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Researchers in the USA are more likely to have mixed feelings about the impact of AI on their area of work than globally



Women working in research are more likely to feel mixed about the impact of AI on their area of work than men



Questions: What are your overall feelings about the impact of AI on your area of work?

Base: n= 2284

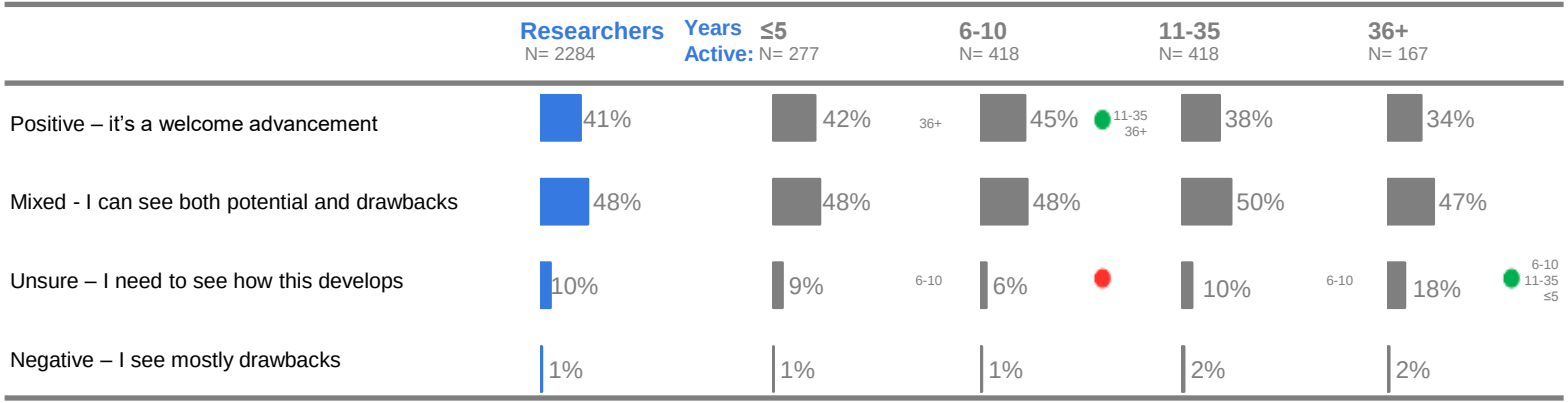
Significantly higher/ lower than…

Significantly higher than…

Global

Gender/Generation (indicated by first letter e.g. M= Men)

Researchers who are 6-10 years active in their area of work are more likely to feel positive about the impact of AI on their area of work than average



Questions: What are your overall feelings about the impact of AI on your area of work?

Base: n= 2284

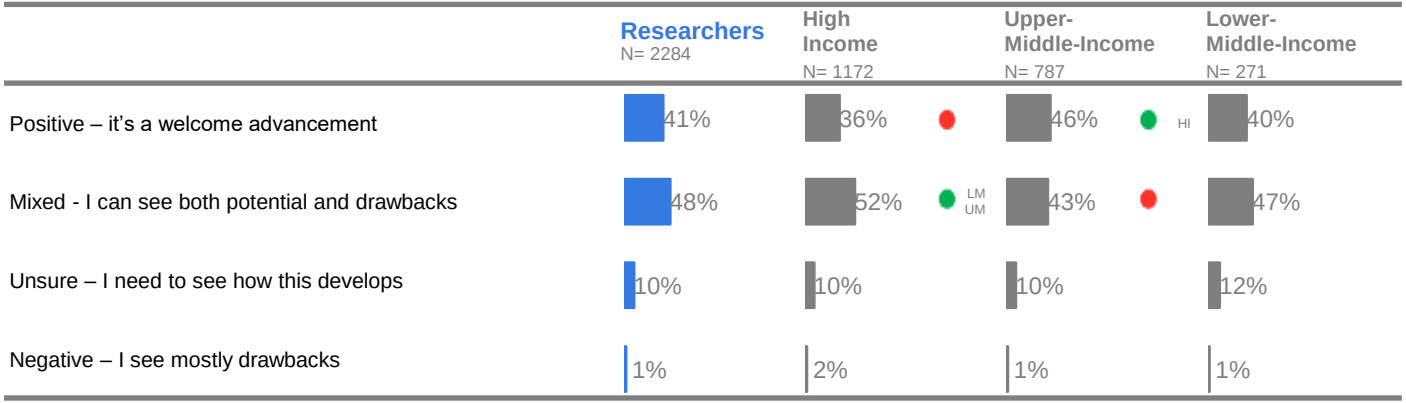
Significantly higher/ lower than…

Significantly higher than…

Global

Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

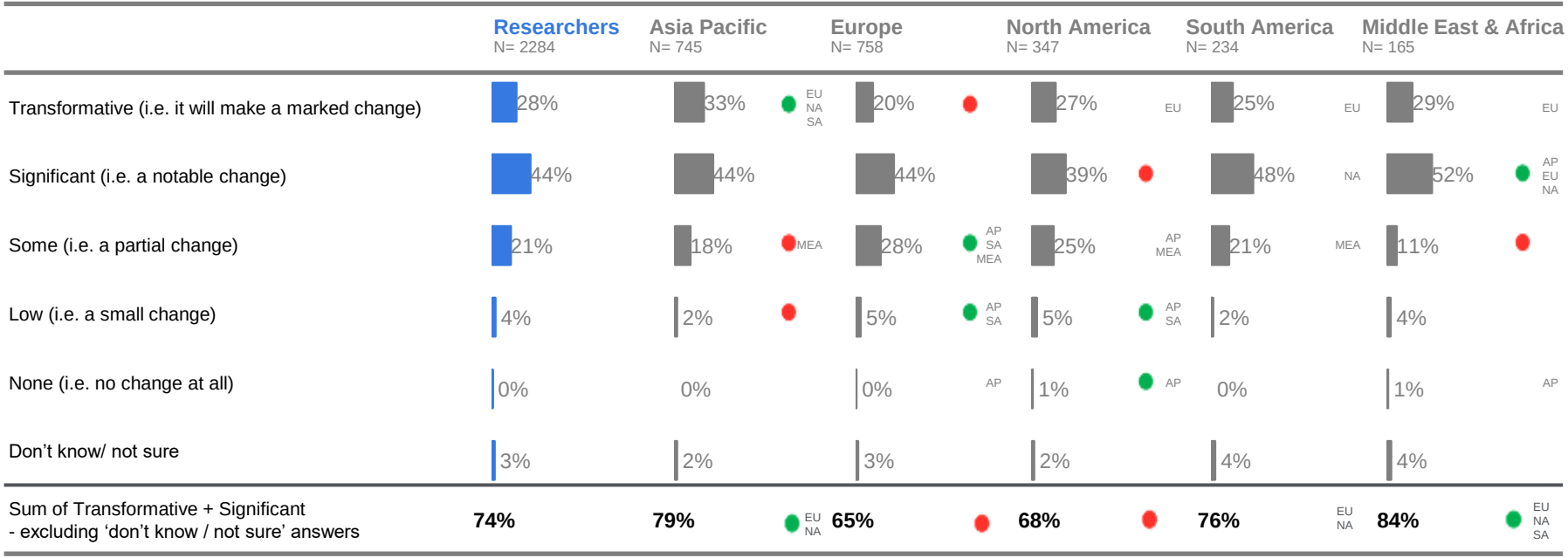
Researchers in upper-middle-income countries are more likely to feel positive about the impact of AI on their area of work than average



Questions: What are your overall feelings about the impact of AI on your area of work?

Base: n= 2284

Nearly three quarters of researchers think the level of impact will be transformative or significant. Researchers in APAC are most likely to think AI will be transformative, Europe least likely

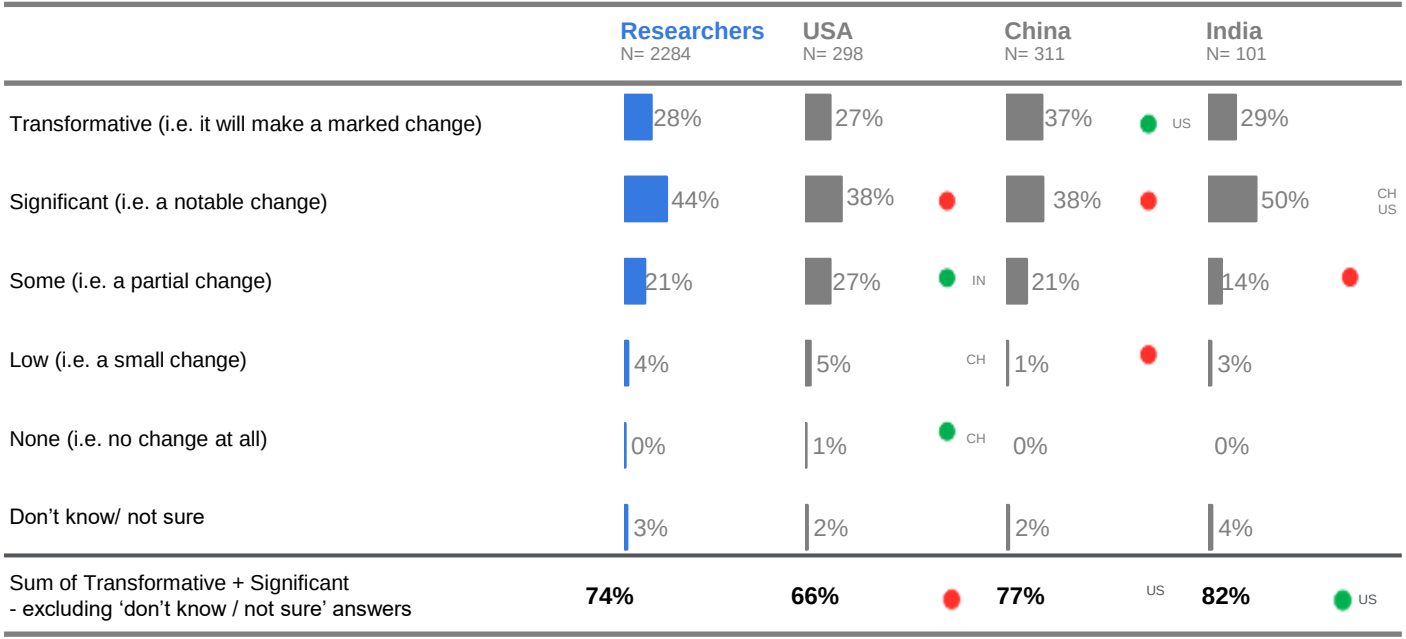


Questions: What do you think will be the level of impact of AI in your area of work in the near future?

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Base: n= 2284

Researchers in China are more likely to think the impact of AI will be transformative. Researchers in the USA are less likely to think it will be significant or transformative than the global average



Questions: What do you think will be the level of impact of AI in your area of work in the near future?

Base: n= 2284

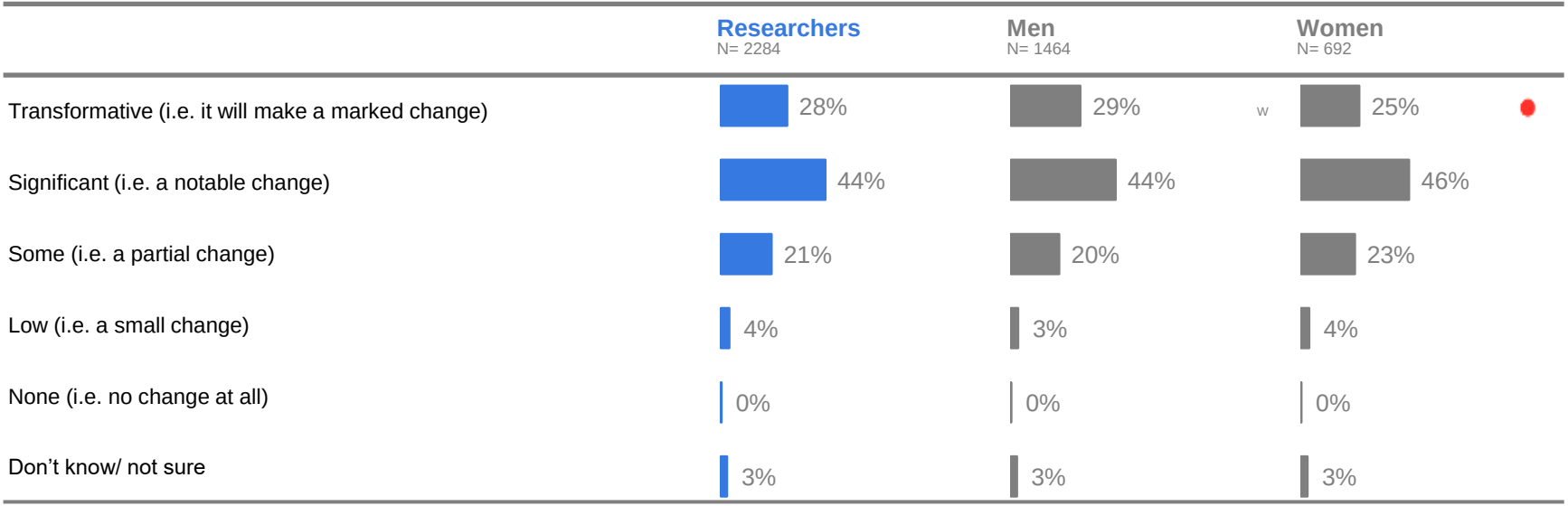
Significantly higher/ lower than…

Significantly higher than…

Global

Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Women working in research are less likely to think the impact of AI will be transformative than men



Questions: What do you think will be the level of impact of AI in your area of work in the near future?

Base: n= 2284

Researchers who have been active in their area of work for 36+ years are least likely to think AI will be transformative

	Researchers N= 2284	Years Active: ≤5 N= 277	6-10 N= 418	11-35 N= 418	36+ N= 167
Transformative (i.e. it will make a marked change)	28%	30% 36+	28% 36+	27% 36+	20%
Significant (i.e. a notable change)	44%	45%	47%	43%	43%
Some (i.e. a partial change)	21%	20%	21%	23%	25%
Low (i.e. a small change)	4%	3%	3%	4%	6% 6-10
None (i.e. no change at all)	0%	0%	0%	0%	1%
Don't know/ not sure	3%	2%	1%	3% 6-10	4% 6-10
Sum of Transformative + Significant - excluding 'don't know / not sure' answers	**74%**	**74%** 36+	**74%** 36+	**73%** 36+	**65%**

Questions: What do you think will be the level of impact of AI in your area of work in the near future?

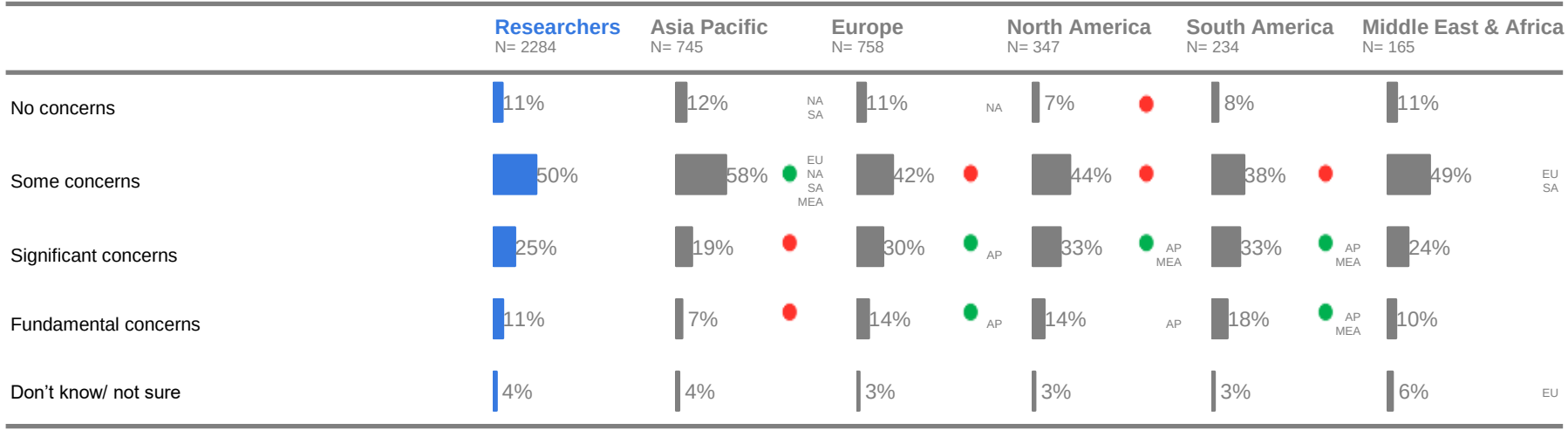
Researchers in lower-middle-income countries are most likely to believe AI will be transformative or significant in their area of work

	Researchers N= 2284	High Income N= 1172	Upper-Middle-Income N= 787	Lower-Middle-Income N= 271
Transformative (i.e. it will make a marked change)	28%	26%	30% HI	31% HI
Significant (i.e. a notable change)	44%	45%	41%	50% UM
Some (i.e. a partial change)	21%	23% LM	23% LM	12%
Low (i.e. a small change)	4%	4% UM	3%	3%
None (i.e. no change at all)	0%	0%	0%	0%
Don't know/ not sure	3%	2%	3%	4% HI
Sum of Transformative + Significant - excluding 'don't know / not sure' answers	**74%**	**72%**	**73%**	**84%** HI UM

Questions: What do you think will be the level of impact of AI in your area of work in the near future?

Base: n= 2284

Most researchers have some concerns about AI. Researchers in APAC are less likely to have significant or fundamental concerns



Questions: To what extent, if at all, do you have concerns about the ethical implications of AI in your area of work?

Base: n= 2284

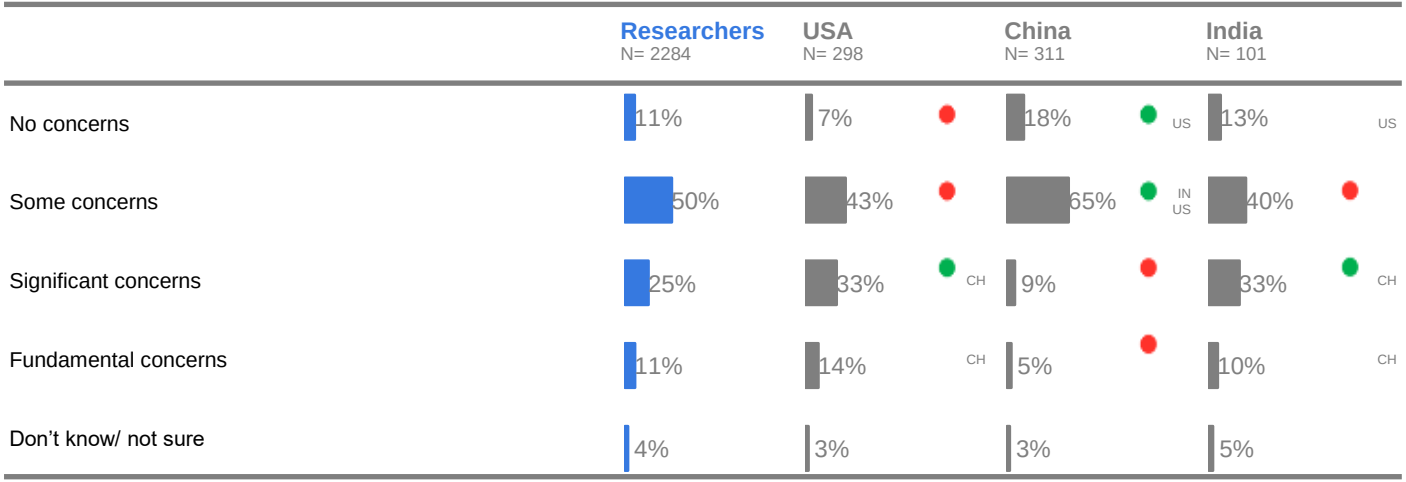
Significantly higher/ lower than…

Significantly higher than…

Global

Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Researchers in China are less likely to have significant or fundamental concerns about the ethical implications of AI on their area of work

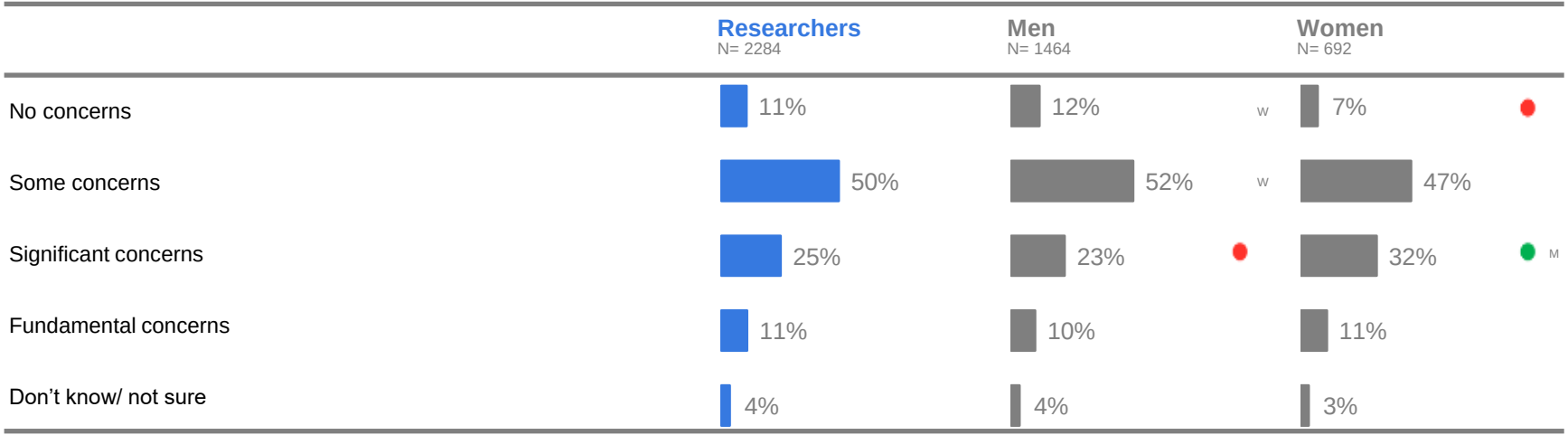


Questions: To what extent, if at all, do you have concerns about the ethical implications of AI in your area of work?

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Base: n= 2284

Women working in research are more likely to have concerns about the ethical implications of AI on their area of work than men

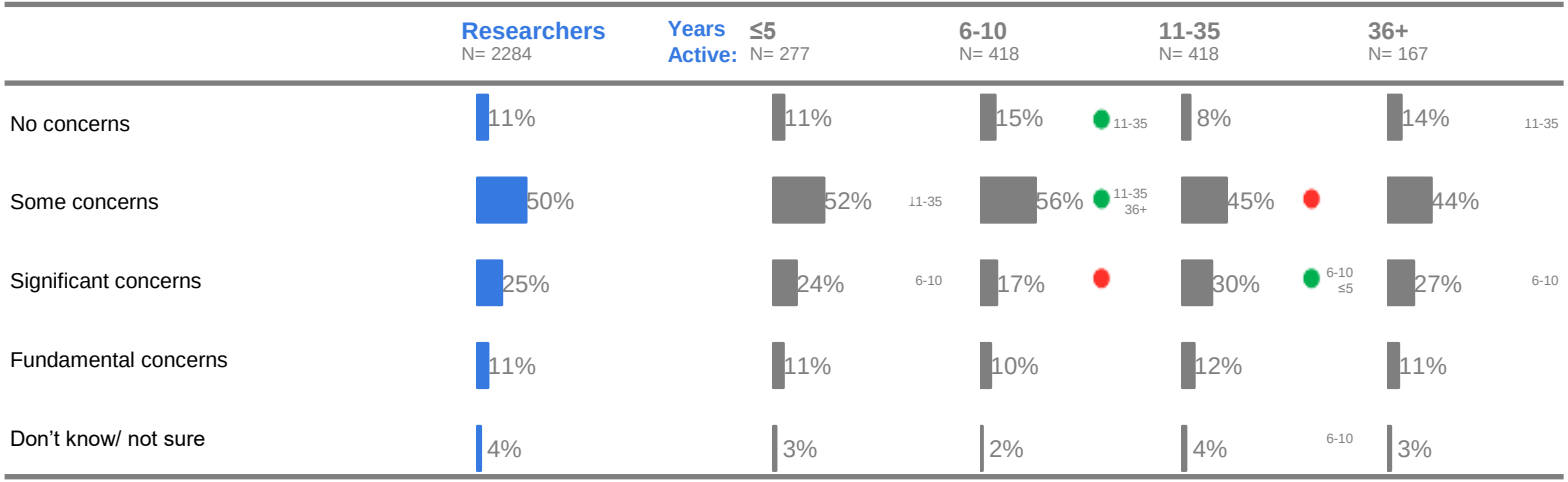


Questions: To what extent, if at all, do you have concerns about the ethical implications of AI in your area of work?

Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Gender/Generation (indicated by first letter e.g. M= Men)

Researchers who've been in their area of work for 6-10 years are less likely to have any concerns about the ethical implications of AI than average



Questions: To what extent, if at all, do you have concerns about the ethical implications of AI in your area of work?

Base: n= 2284

Significantly higher/ lower than…

Significantly higher than…

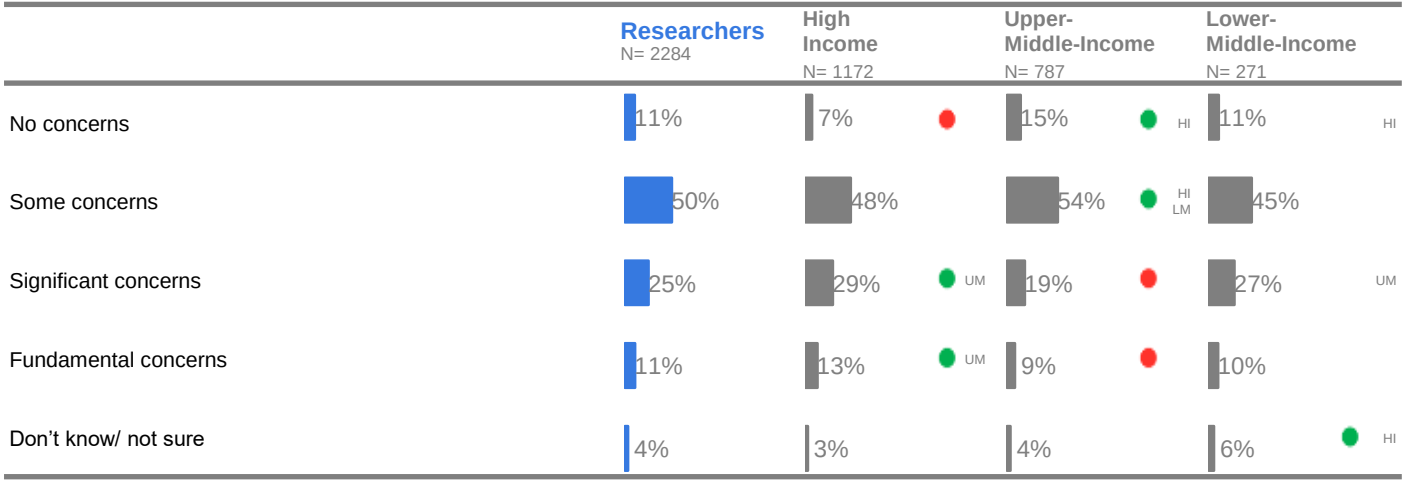
Global

Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Research

Back to home

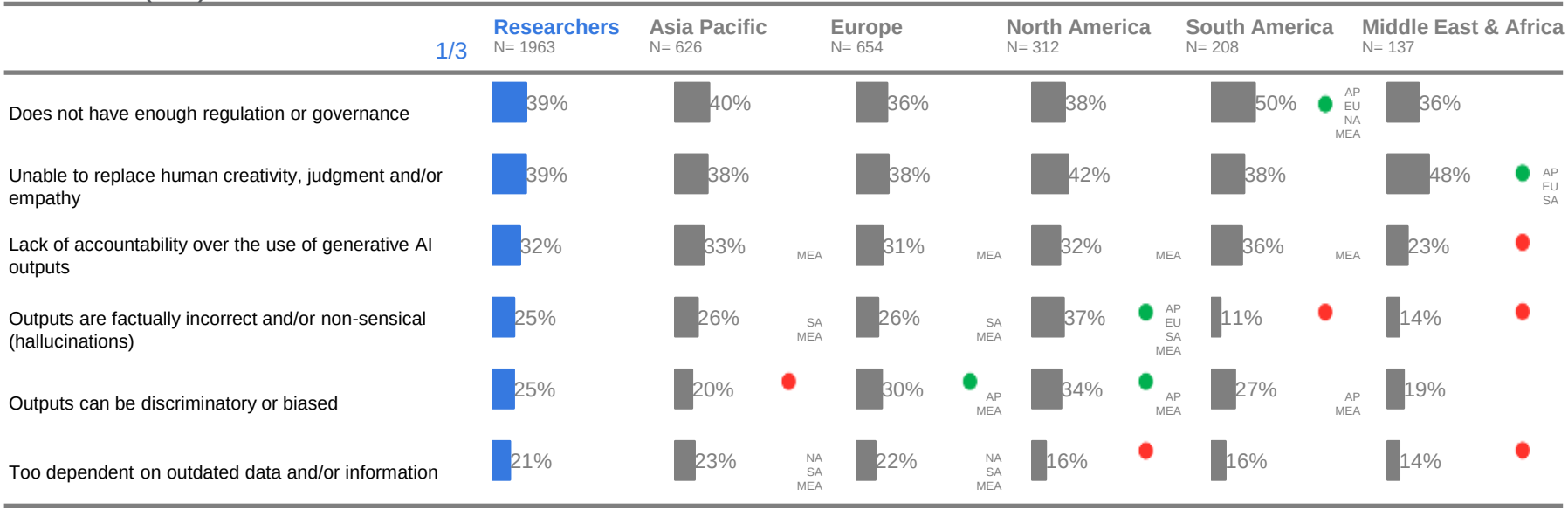
Researchers in upper-middle-income countries are less likely to have any concerns about the ethical implications of AI on their area of work than average



Questions: To what extent, if at all, do you have concerns about the ethical implications of AI in your area of work?

Base: n= 2284

Those researchers with concerns about AI believe its inability to replace human judgment and empathy is its greatest drawback, this is tied with concerns about governance. Inability to replace human judgment greatest concern in Middle East and Africa. Governance concern highest in South America (1/3)

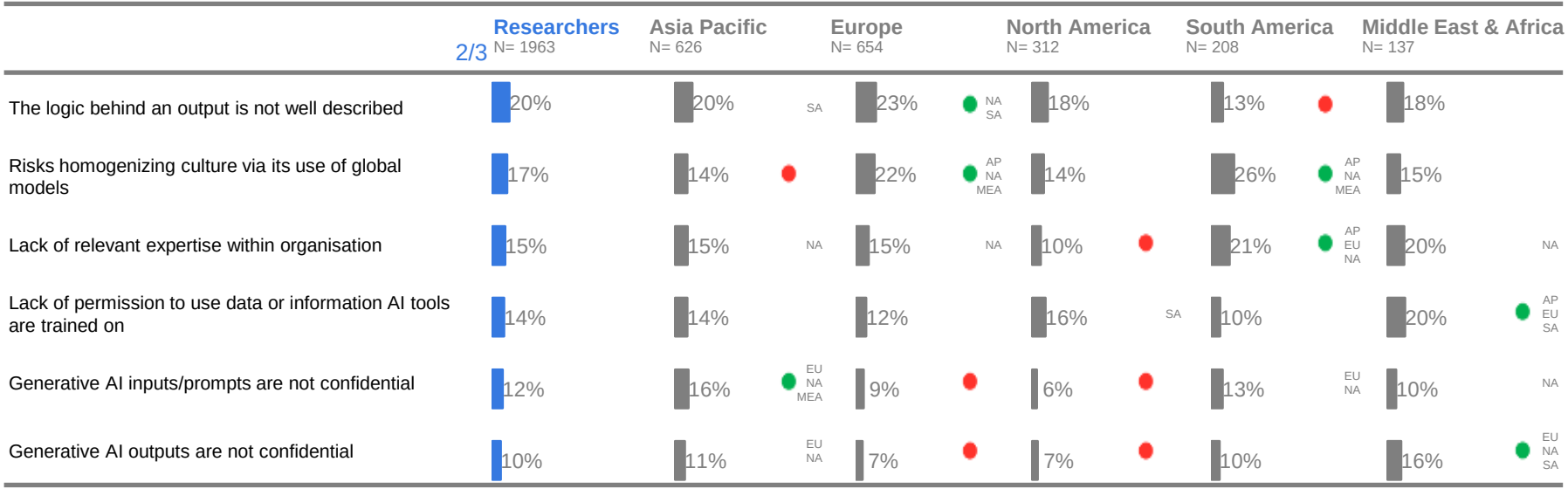


Questions: You mentioned that you had concerns, what do you think are the top 3 disadvantages of AI?
Select: up to three
Base: n= 1963

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Those researchers with concerns about AI believe its inability to replace human judgment and empathy is its greatest drawback, tied with concerns about governance. Homogeneity more of a concern in Europe and South America vs other regions (2/3)

2/3



Questions: You mentioned that you had concerns, what do you think are the top 3 disadvantages of AI? Select: up to three
Base: n= 1963

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Research
Back to home

Those researchers with concerns about AI believe its inability to replace human judgment and empathy is its greatest drawback, tied with concerns about governance. Requiring a lot of computer processing power a greater concern in Middle East and Africa (3/3)

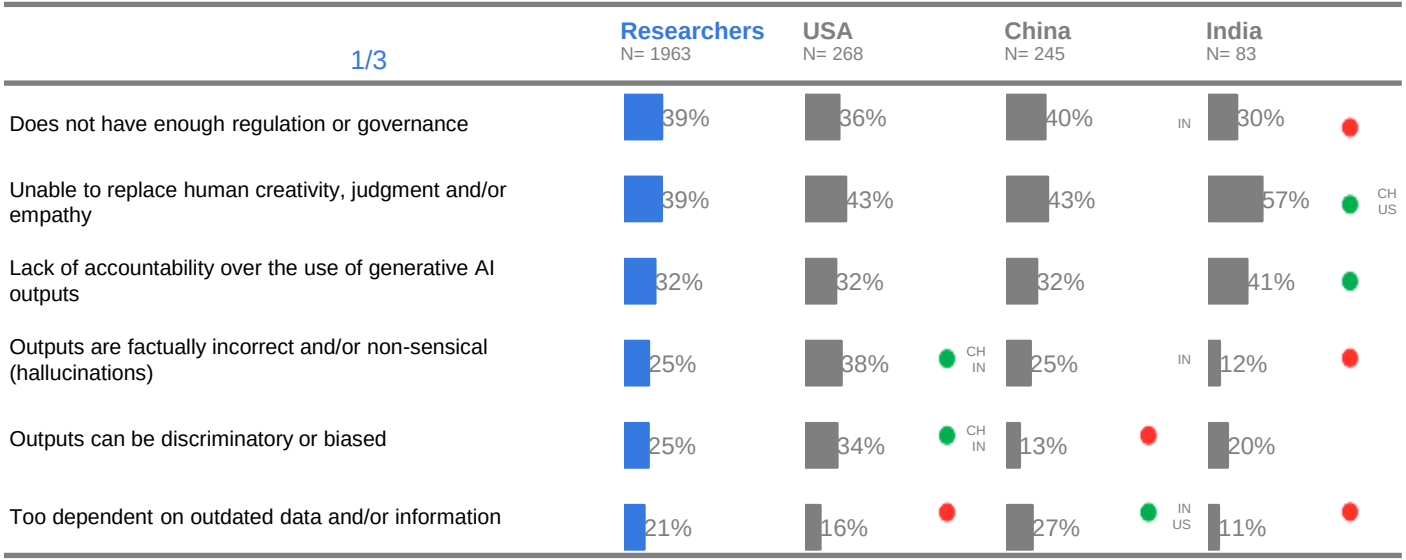
ELSEVIER

	Researchers 3/3 N= 1963	Asia Pacific N= 626	Europe N= 654	North America N= 312	South America N= 208	Middle East & Africa N= 137
Requires a lot of computer processing power	8%	8%	9%	6%	6%	15% AP EU NA SA
Generative AI discriminates against non-native English speakers	7%	8% NA	7% NA	3%	5%	8% NA
Other	2%	1%	2%	3%	3%	1%
Don't know/ not sure	1%	1%	1%	2% EU	1%	0%
None of the above	0%	0%	0%	0%	0%	1%

Questions: You mentioned that you had concerns, what do you think are the top 3 disadvantages of AI?
Select: up to three
Base: n= 1963

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

The most common disadvantage of AI in the most populous countries is its inability to replace human qualities, most felt among researchers in India (1/3)



Questions: You mentioned that you had concerns, what do you think are the top 3 disadvantages of AI?
Select: up to three
Base: n= 1963

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

The most common disadvantage of AI in the most populous countries is its inability to replace human qualities, homogeneity is less of a concern in the USA compared to the global average (2/3)

2/3	Researchers N= 1963	USA N= 268	China N= 245	India N= 83
The logic behind an output is not well described	20%	19%	18%	16%
Risks homogenizing culture via its use of global models	17%	13%	19% US	14%
Lack of relevant expertise within organisation	15%	9%	10%	17% US
Lack of permission to use data or information AI tools are trained on	14%	15%	16%	13%
Generative AI inputs/prompts are not confidential	12%	5%	18% US	11% US
Generative AI outputs are not confidential	10%	7%	13% US	13% US

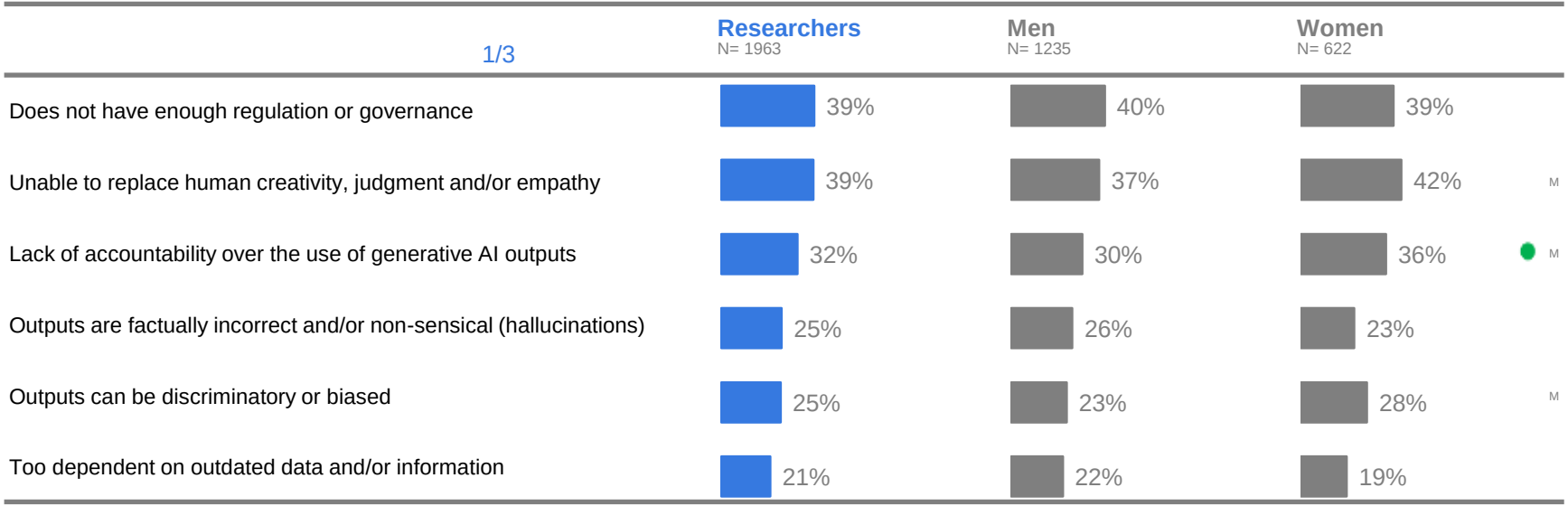
Questions: You mentioned that you had concerns, what do you think are the top 3 disadvantages of AI?
Select: up to three
Base: n= 1963

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

The most common disadvantage of AI in the most populous countries is its inability to replace human qualities, Indian researchers are more worried about demands on computer processing power compared to the USA and China (3/3)

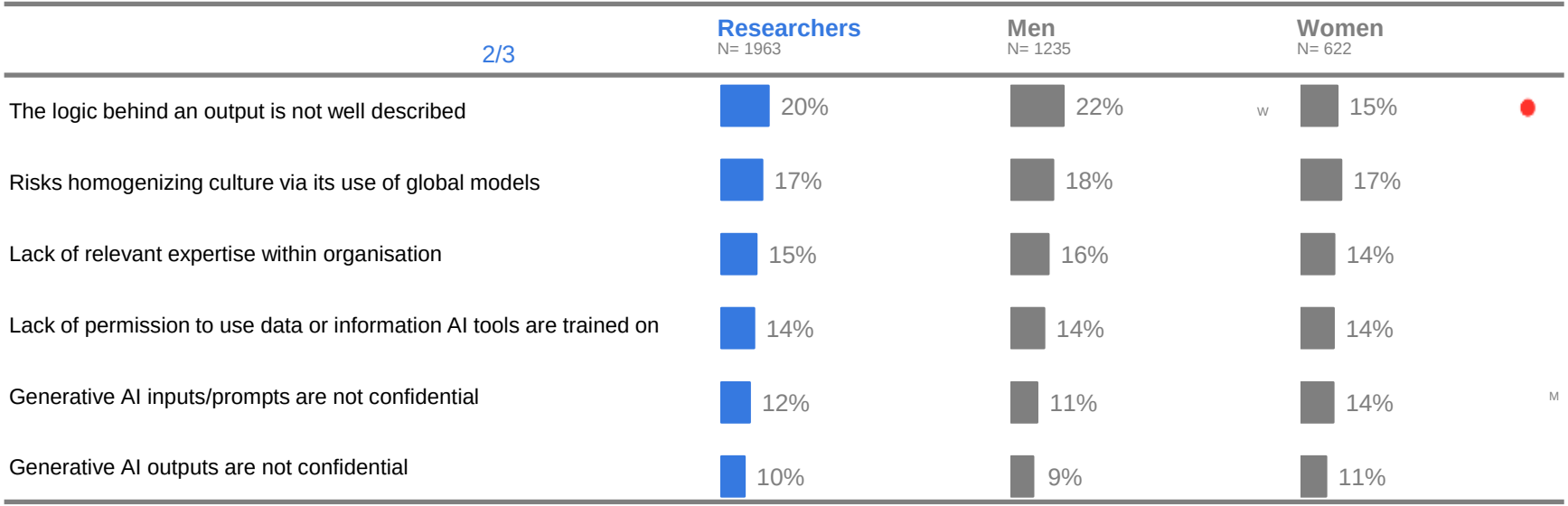
3/3	Researchers N= 1963	US N= 268	China N= 245	India N= 83
Requires a lot of computer processing power	8%	6%	5%	13% CH US
Generative AI discriminates against non-native English speakers	7%	4%	7%	6%
Other	2%	3% CH	0%	1%
Don't know/ not sure	1%	2%	1%	1%
None of the above	0%	0%	0%	0%

Women are more likely to be concerned over lack of accountability than men, among other concerns, in the use of AI (1/3)



Questions: You mentioned that you had concerns, what do you think are the top 3 disadvantages of AI?
Select: up to three
Base: n= 1963

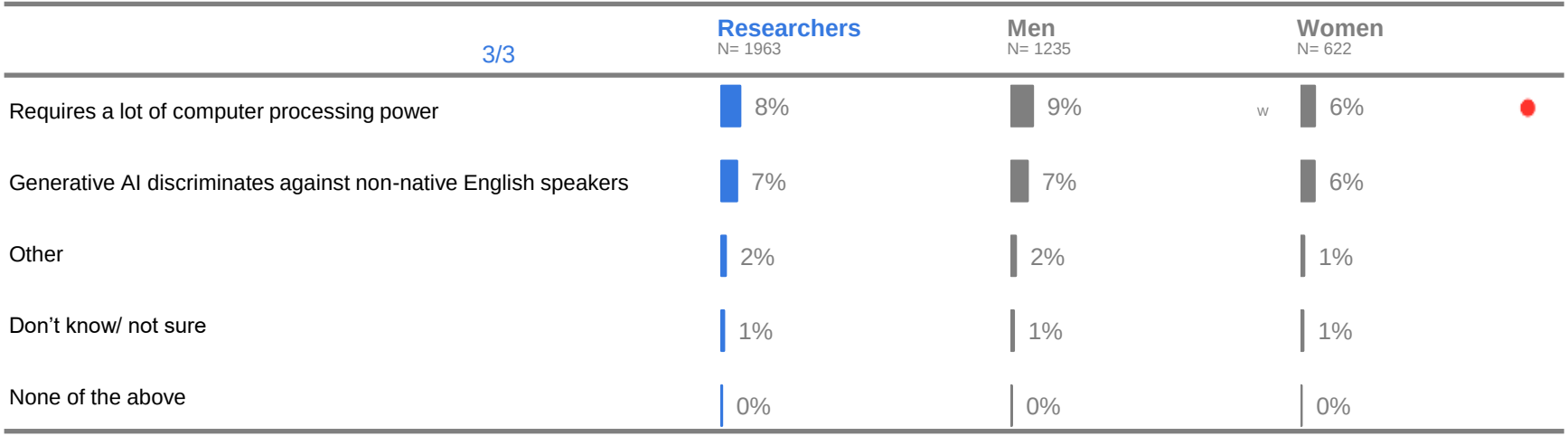
Women are more likely to be concerned over lack of accountability than men, among other concerns, in the use of AI (2/3)



Questions: You mentioned that you had concerns, what do you think are the top 3 disadvantages of AI?
Select: up to three
Base: n= 1963

Significantly higher/ lower than…
Significantly higher than…
Global
Gender/Generation (indicated by first letter e.g. M= Men)

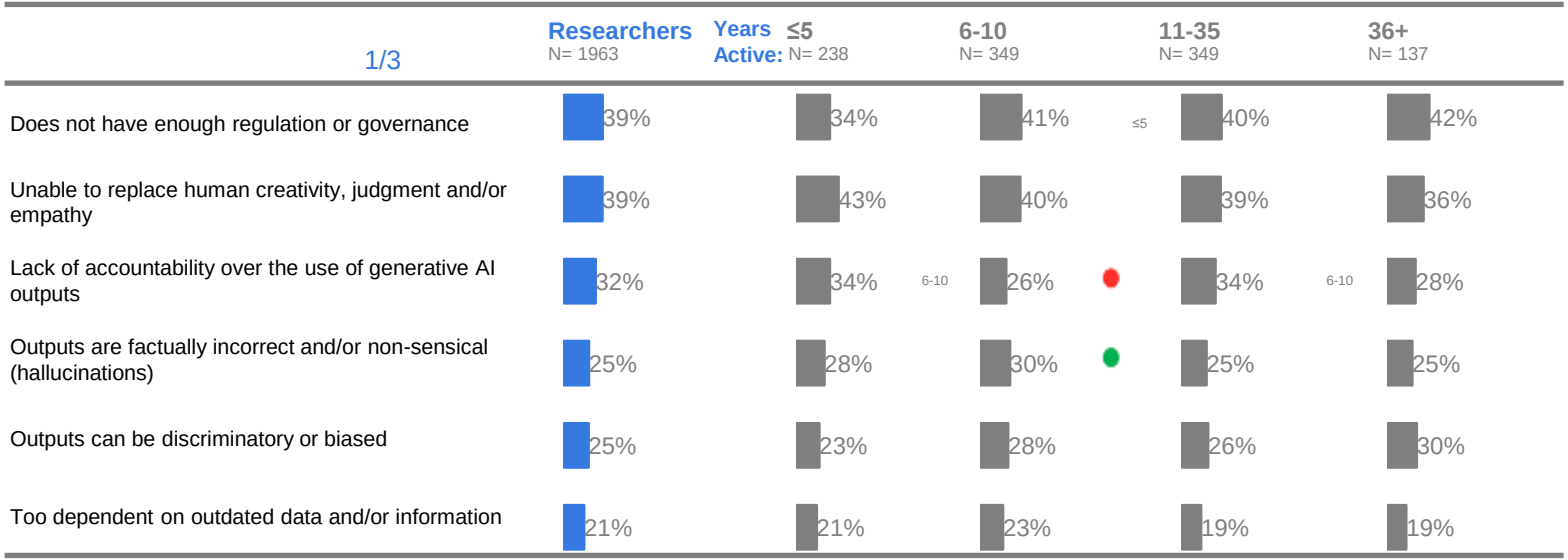
Women are more likely to be concerned over lack of accountability than men, among other concerns, in the use of AI (3/3)



Questions: You mentioned that you had concerns, what do you think are the top 3 disadvantages of AI?
Select: up to three
Base: n= 1963

Significantly higher/ lower than…
Significantly higher than…
Global
Gender/Generation (indicated by first letter e.g. M= Men)

Those researchers with concerns about AI believe its inability to replace human judgement and empathy is its greatest drawback, tied with concerns about governance, little variation by years active in role across top concerns (1/3)



Questions: You mentioned that you had concerns, what do you think are the top 3 disadvantages of AI? Select: up to three
Base: n= 1963

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Those researchers with concerns about AI believe its inability to replace human judgement and empathy is its greatest drawback, tied with concerns about governance. Those active is their area of work for less than 10 years are more concerned about confidentiality of prompts (2/3)

ELSEVIER

2/3	Researchers N= 1963	Years Active: ≤5 N= 238	6-10 N= 349	11-35 N= 349	36+ N= 137
The logic behind an output is not well described	20%	18%	19%	21%	22%
Risks homogenizing culture via its use of global models	17%	15%	14%	19%	23% 6-10 ≤5
Lack of relevant expertise within organisation	15%	14%	11%	17% 6-10	14%
Lack of permission to use data or information AI tools are trained on	14%	16%	11%	14%	11%
Generative AI inputs/prompts are not confidential	12%	16% 11-35 36+	16% 11-35 36+	9%	6%
Generative AI outputs are not confidential	10%	12%	10%	9%	7%

Questions: You mentioned that you had concerns, what do you think are the top 3 disadvantages of AI?
Select: up to three
Base: n= 1963

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Those researchers with concerns about AI believe its inability to replace human judgement and empathy is its greatest drawback, tied with concerns about governance (3/3)

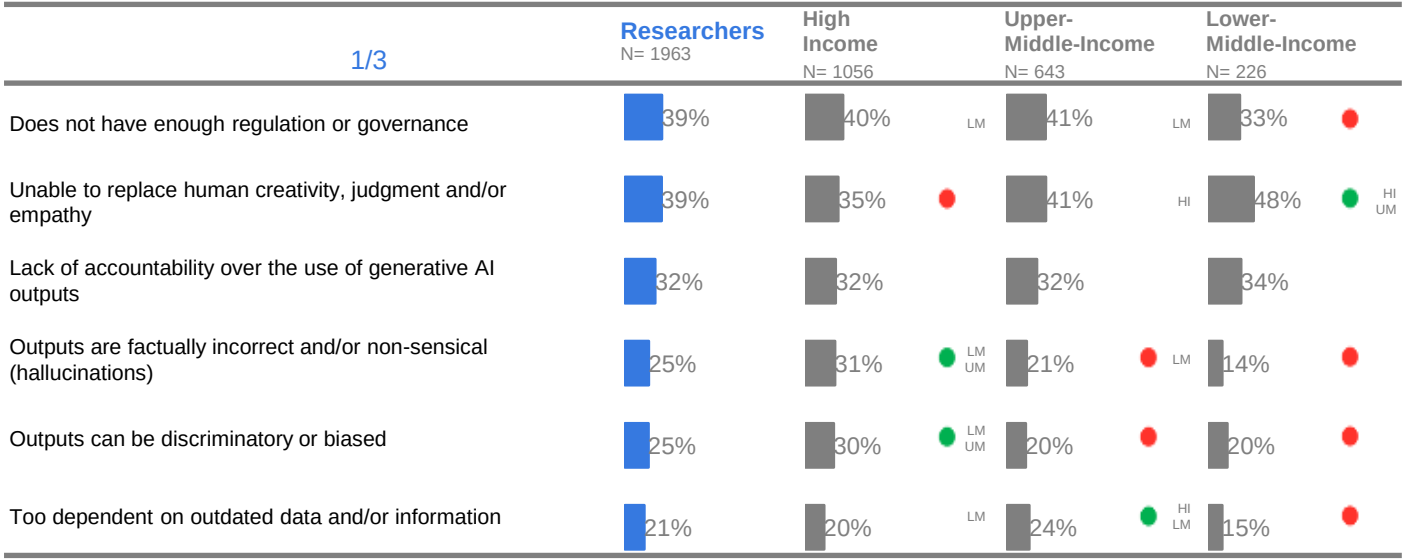
3/3	Researchers N= 1963	Years Active: ≤5 N= 238	6-10 N= 349	11-35 N= 349	36+ N= 137
Requires a lot of computer processing power	8%	7%	7%	8%	7%
Generative AI discriminates against non-native English speakers	7%	7%	6%	7%	7%
Other	2%	2%	2%	1%	4%
Don't know/ not sure	1%	1%	1%	1%	2%
None of the above	0%	0%	0%	0%	1%

11-35

Questions: You mentioned that you had concerns, what do you think are the top 3 disadvantages of AI?
Select: up to three
Base: n= 1963

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Researchers in lower-middle-income countries are more likely to believe AI's inability to replace human judgement and empathy is its greatest drawback than average (1/3)



Questions: You mentioned that you had concerns, what do you think are the top 3 disadvantages of AI? Select: up to three
Base: n= 1963

Researchers in lower-middle-income countries are more likely to believe AI's inability to replace human judgement and empathy is its greatest drawback than average, and are more concerned about a lack of relevant expertise than the global average (2/3)

2/3	Researchers N= 1963	High Income N= 1056	Upper-Middle-Income N= 643	Lower-Middle-Income N= 226
The logic behind an output is not well described	20%	24% LM UM	17%	15%
Risks homogenizing culture via its use of global models	17%	16%	21% HI LM	12%
Lack of relevant expertise within organisation	15%	13%	14%	22% HI UM
Lack of permission to use data or information AI tools are trained on	14%	13%	14%	17%
Generative AI inputs/prompts are not confidential	12%	10%	15% HI	12%
Generative AI outputs are not confidential	10%	7%	12% HI	14% HI

Questions: You mentioned that you had concerns, what do you think are the top 3 disadvantages of AI? Select: up to three
Base: n= 1963

Researchers in lower-middle-income countries are more likely to believe AI's inability to replace human judgement and empathy is its greatest drawback than average and more likely to think computer processing power is a concern compared to global average (3/3)

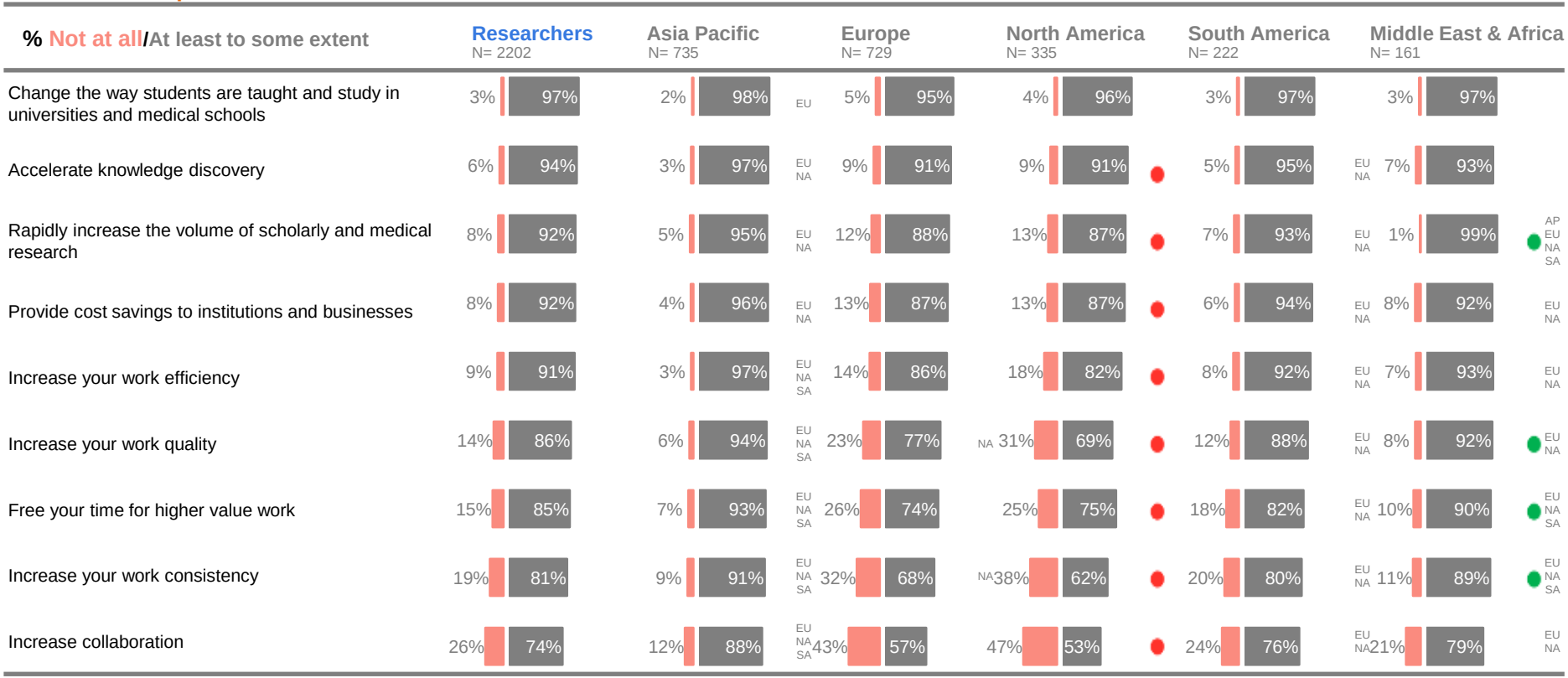
3/3	Researchers N= 1963	High Income N= 1056	Upper-Middle-Income N= 643	Lower-Middle-Income N= 226
Requires a lot of computer processing power	8%	7%	8%	14% HI UM
Generative AI discriminates against non-native English speakers	7%	6%	7%	7%
Other	2%	3% UM	1%	1%
Don't know/ not sure	1%	1%	1%	1%
None of the above	0%	0%	0%	0%

Questions: You mentioned that you had concerns, what do you think are the top 3 disadvantages of AI? Select: up to three
Base: n= 1963

94% think AI will help accelerate knowledge discovery at least to some extent. Researchers in North America are the least likely to expect these listed benefits (1/2)

ELSEVIER

1/2 – Positive Impacts

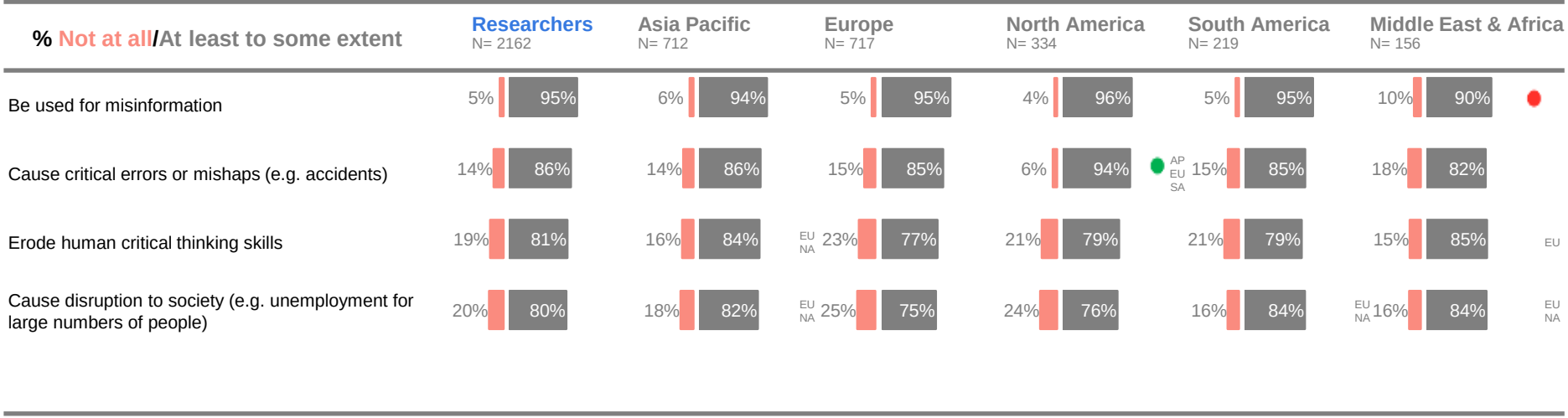


Questions: Thinking about the impact AI will have on society and your work, to what extent do you think over the next 2 to 5 years it will…?
Scale: A great extent, some extent, not at all, don't know/not sure (bottom box and top 2 box excl. don't know)
Base: n= 2202

Significantly higher/ lower than… *Global*
Significantly higher than… *Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)*

86% think AI has the potential to cause critical errors, higher still in North America (2/2)

2/2 – Negative Impacts

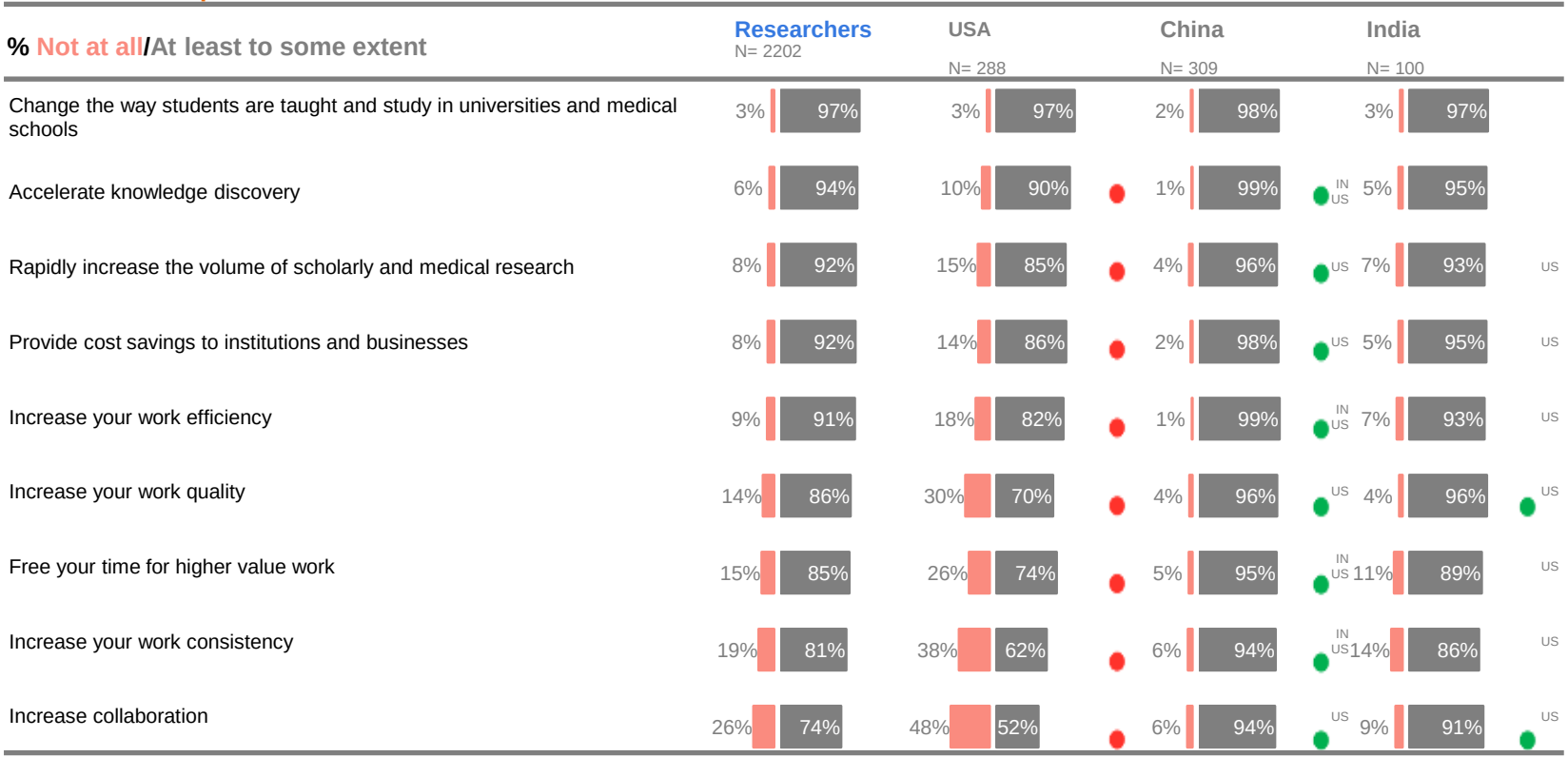


Questions: Thinking about the impact AI will have on society and your work, to what extent do you think over the next 2 to 5 years it will…?
Scale: A great extent, some extent, not at all, don't know/not sure (bottom box and top 2 box excl. don't know)
Base: n= 2162

Significantly higher/ lower than… Global
Significantly higher than… Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Researchers in the USA are less likely to think AI will bring almost all of the following benefits (at least to some extent) than globally. Researchers in China are more optimistic (1/2)

1/2 – Positive Impacts

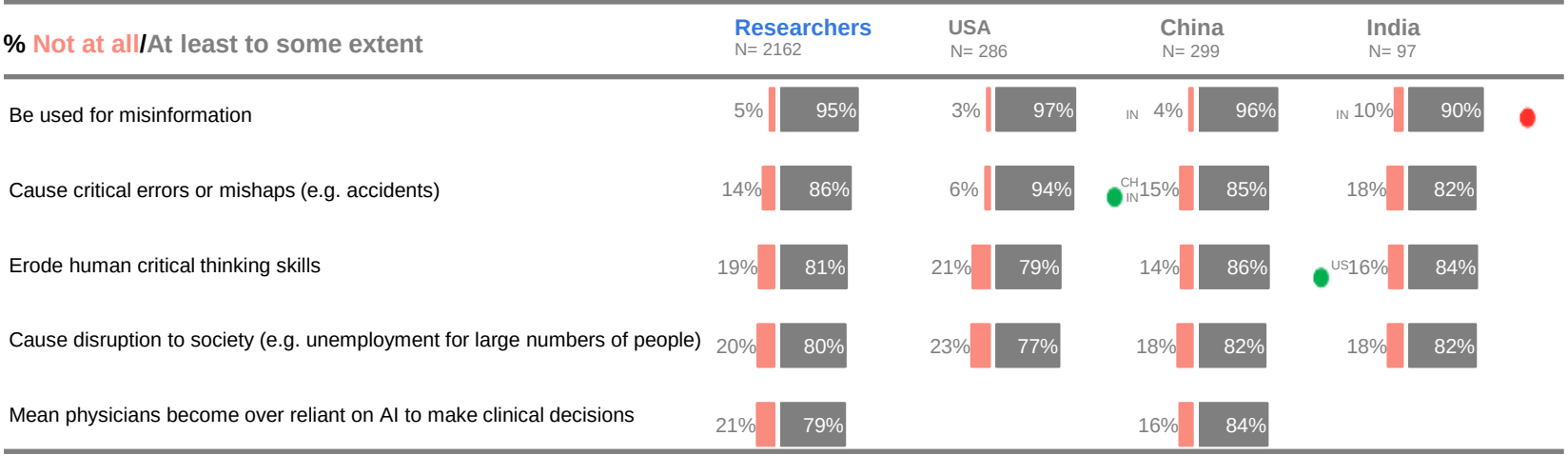


Questions: Thinking about the impact AI will have on society and your work, to what extent do you think over the next 2 to 5 years it will…?
Scale: A great extent, some extent, not at all, don't know/not sure (bottom box and top 2 box excl. don't know)
Base: n= 2202

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Researchers in the USA are more likely to think AI has the potential to cause mishaps and disruption than average (2/2)

2/2 – Negative Impacts

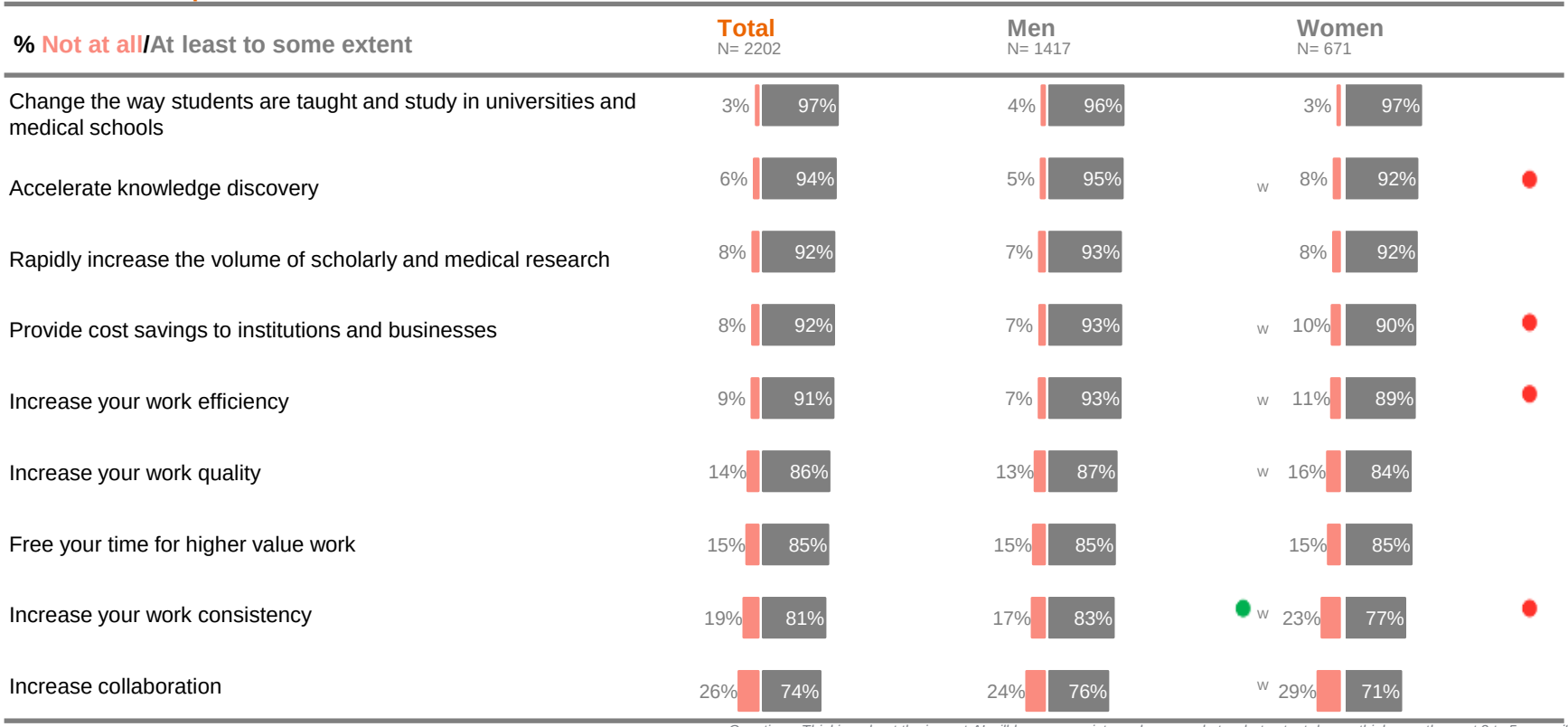


Questions: Thinking about the impact AI will have on society and your work, to what extent do you think over the next 2 to 5 years it will…?
Scale: A great extent, some extent, not at all, don't know/not sure (bottom box and top 2 box excl. don't know)
Base: n= 2162

Significantly higher/ lower than… Global
Significantly higher than…
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

The vast majority believe AI will have a positive impact to some extent, but it is slightly lower amongst women (1/2)

1/2 – Positive Impacts

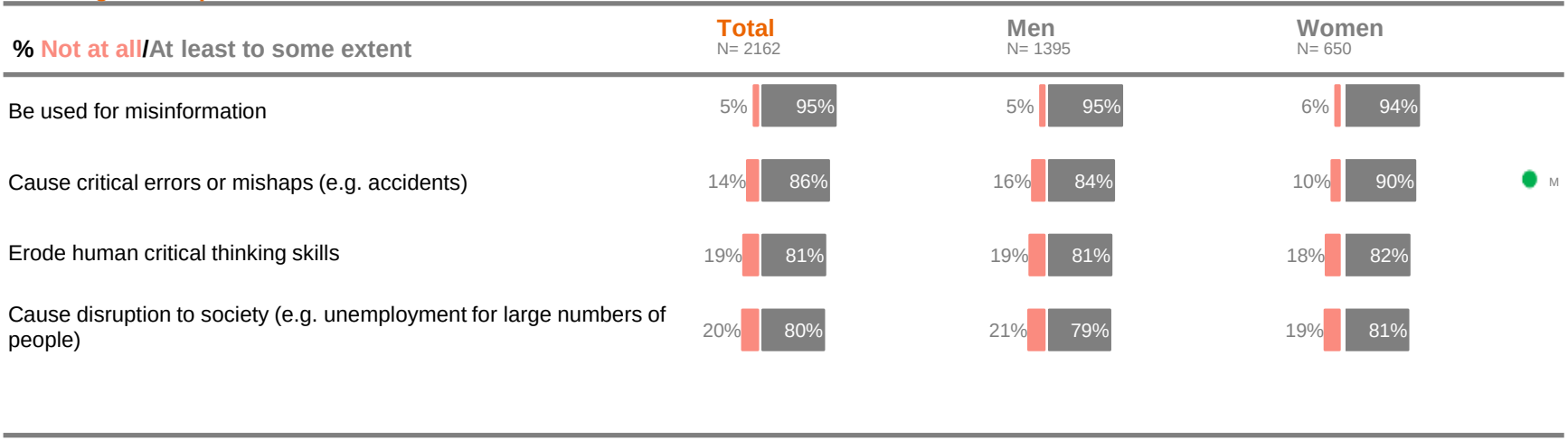


Questions: Thinking about the impact AI will have on society and your work, to what extent do you think over the next 2 to 5 years it will…?
Scale: A great extent, some extent, not at all, don't know/not sure (bottom box and top 2 box excl. don't know)
Base: n= 2202

The vast majority also believe AI has the potential to have a negative impact with women more likely to believe it may cause errors (2/2)

ELSEVIER

2/2 – Negative Impacts



Questions: Thinking about the impact AI will have on society and your work, to what extent do you think over the next 2 to 5 years it will…?
Scale: A great extent, some extent, not at all, don't know/not sure (bottom box and top 2 box excl. don't know)
Base: n= 2162

The vast majority believe AI will have a positive impact to some extent but researchers who've been in their area of work longest (36+ years active) are least likely to expect benefits (1/2)

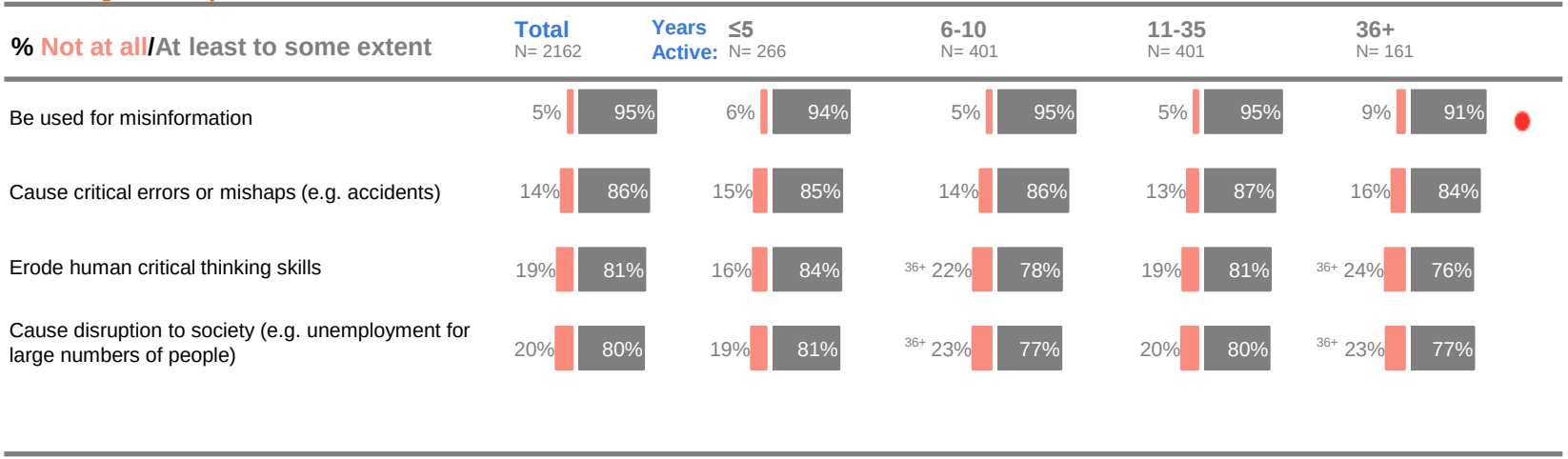
1/2 – Positive Impacts

Questions: Thinking about the impact AI will have on society and your work, to what extent do you think over the next 2 to 5 years it will…?
Scale: A great extent, some extent, not at all, don't know/not sure (bottom box and top 2 box excl. don't know)
Base: n= 2202

Significantly higher/ lower than… Global
Significantly higher than… Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

95% believe AI has the potential to be used for misinformation, but researchers with 36+ years active are less likely to believe this (2/2)

2/2 – Negative Impacts

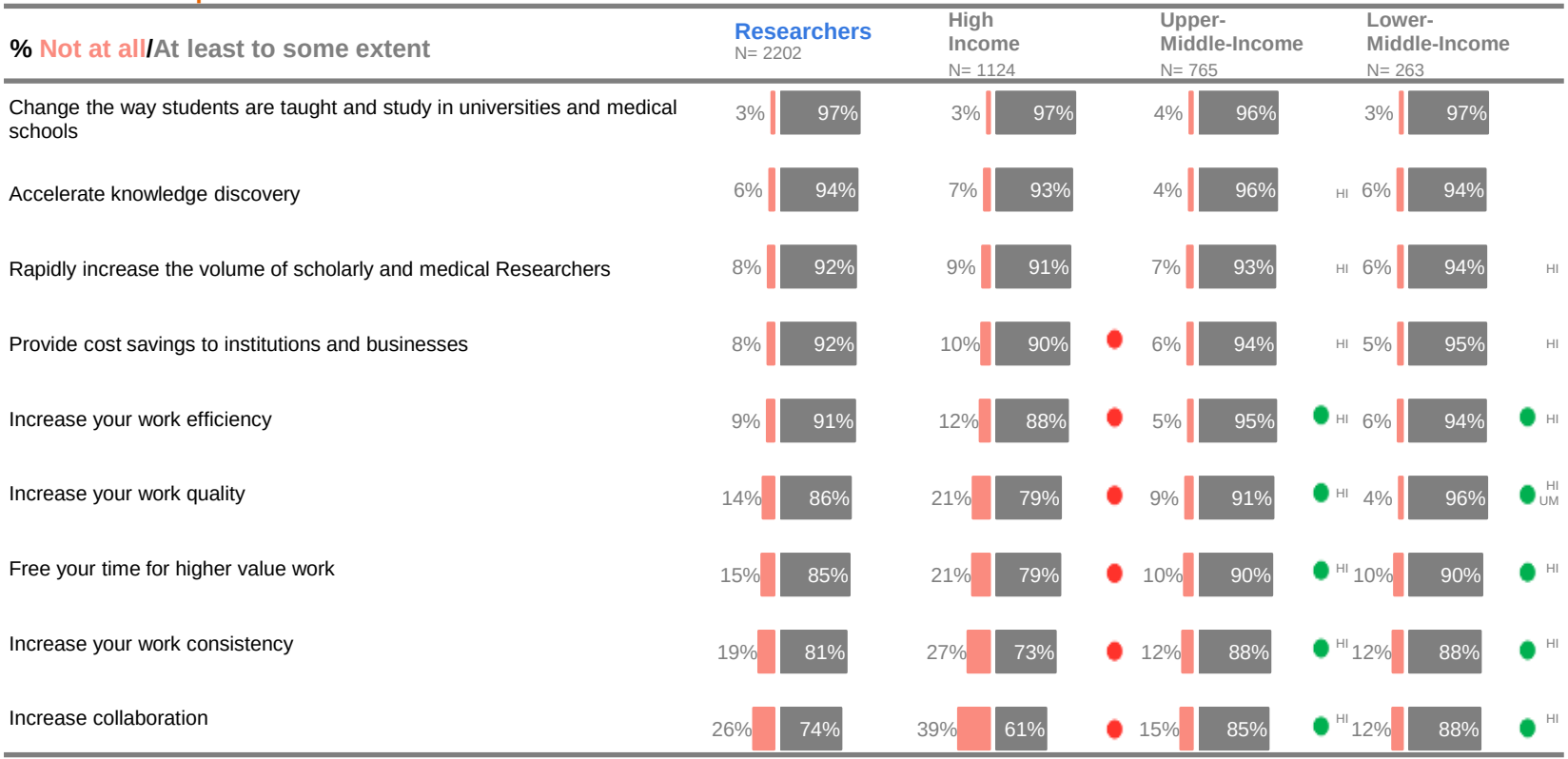


Questions: Thinking about the impact AI will have on society and your work, to what extent do you think over the next 2 to 5 years it will…?
Scale: A great extent, some extent, not at all, don't know/not sure (bottom box and top 2 box excl. don't know)
Base: n= 2162

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Belief in positive AI impacts are high, but researchers in high income countries are least likely to expect these benefits (1/2)

1/2 – Positive Impacts



Questions: Thinking about the impact AI will have on society and your work, to what extent do you think over the next 2 to 5 years it will…?
Scale: A great extent, some extent, not at all, don't know/not sure (bottom box and top 2 box excl. don't know)
Base: n= 2202

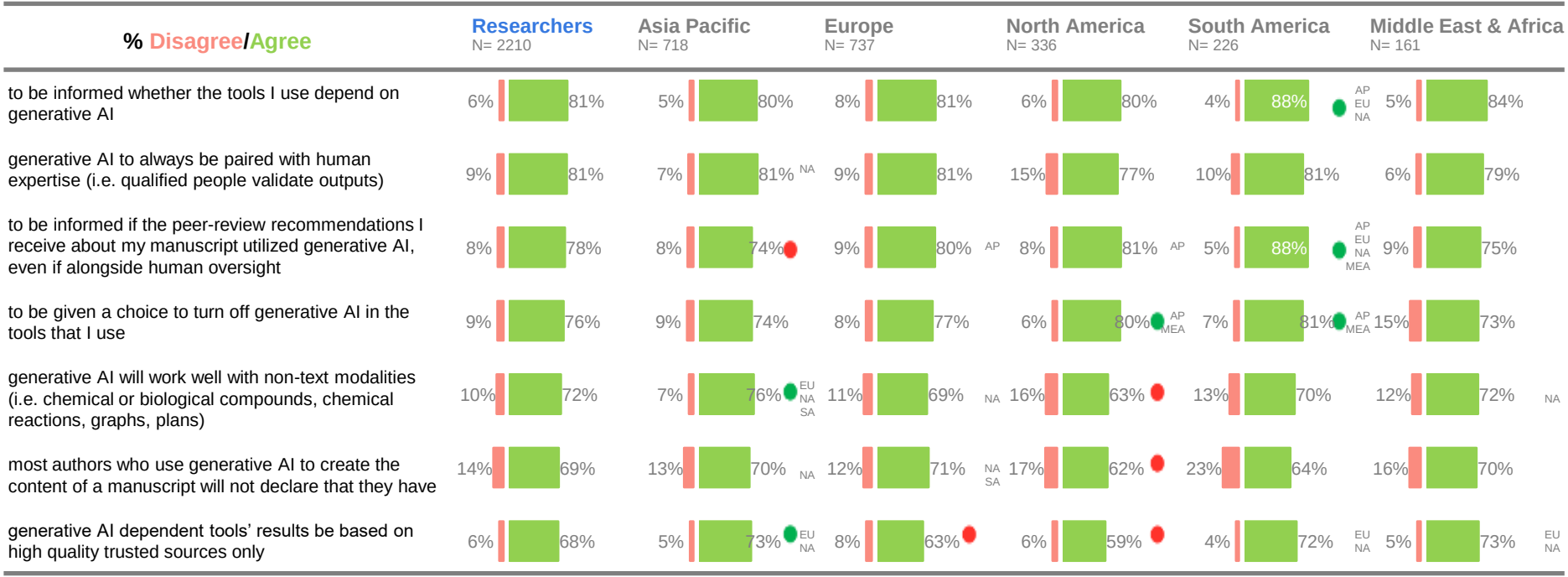
Researchers in lower-middle income countries least likely to believe AI has the potential to be used for misinformation or cause critical errors than average (2/2)

2/2 – Negative Impacts

% Not at all/At least to some extent	Researchers N= 2162	High Income N= 1117	Upper-Middle-Income N= 745	Lower-Middle-Income N= 259
Be used for misinformation	5% / 95%	4% / 96%	5% / 95% (UM LM)	10% / 90% (LM)
Cause critical errors or mishaps (e.g. accidents)	14% / 86%	11% / 89%	16% / 84% (UM LM)	17% / 83%
Erode human critical thinking skills	19% / 81%	20% / 80%	18% / 82%	15% / 85% (HI)
Cause disruption to society (e.g. unemployment for large numbers of people)	20% / 80%	22% / 78%	20% / 80%	15% / 85% (HI UM)

Questions: Thinking about the impact AI will have on society and your work, to what extent do you think over the next 2 to 5 years it will…?
Scale: A great extent, some extent, not at all, don't know/not sure (bottom box and top 2 box excl. don't know)
Base: n= 2162

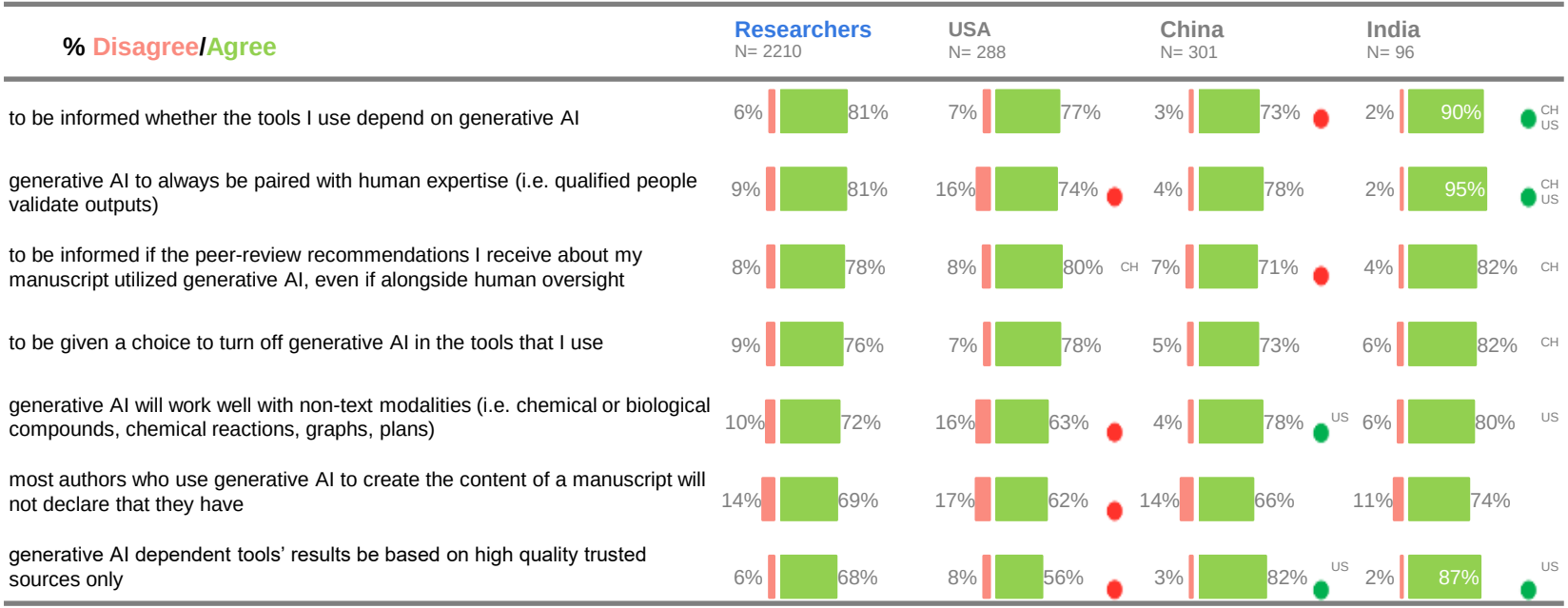
Most expect to be informed when a tool they use depends on generative AI, many also expect AI to be paired with human expertise, those in South America place more emphasis on being informed when a tool depends on generative AI



Questions: Thinking about the use of generative AI in your area of work, how much do you agree or disagree with the following either presently or in the near future?
Scale: Strongly agree, somewhat agree, neither agree nor disagree, somewhat disagree, strongly disagree, don't know/not applicable (bottom 2 box and top 2 box, excl. don't know)
Base: n= 2210

Significantly higher/ lower than… *Global*
Significantly higher than… *Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)*

Most expect to be informed when a tool they use depends on generative AI, the same amount expect AI to be paired with human expertise, particularly in India



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Scale: Strongly agree, somewhat agree, neither agree nor disagree, somewhat disagree, strongly disagree, don't know/not applicable (bottom 2 box and top 2 box, excl. don't know)
Base: n= 2210

Significantly higher/ lower than… *Global*
Significantly higher than… *Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)*

Most expect to be informed when a tool they use depends on generative AI, the same amount expect AI to be paired with human expertise, expectation for women great than men across both

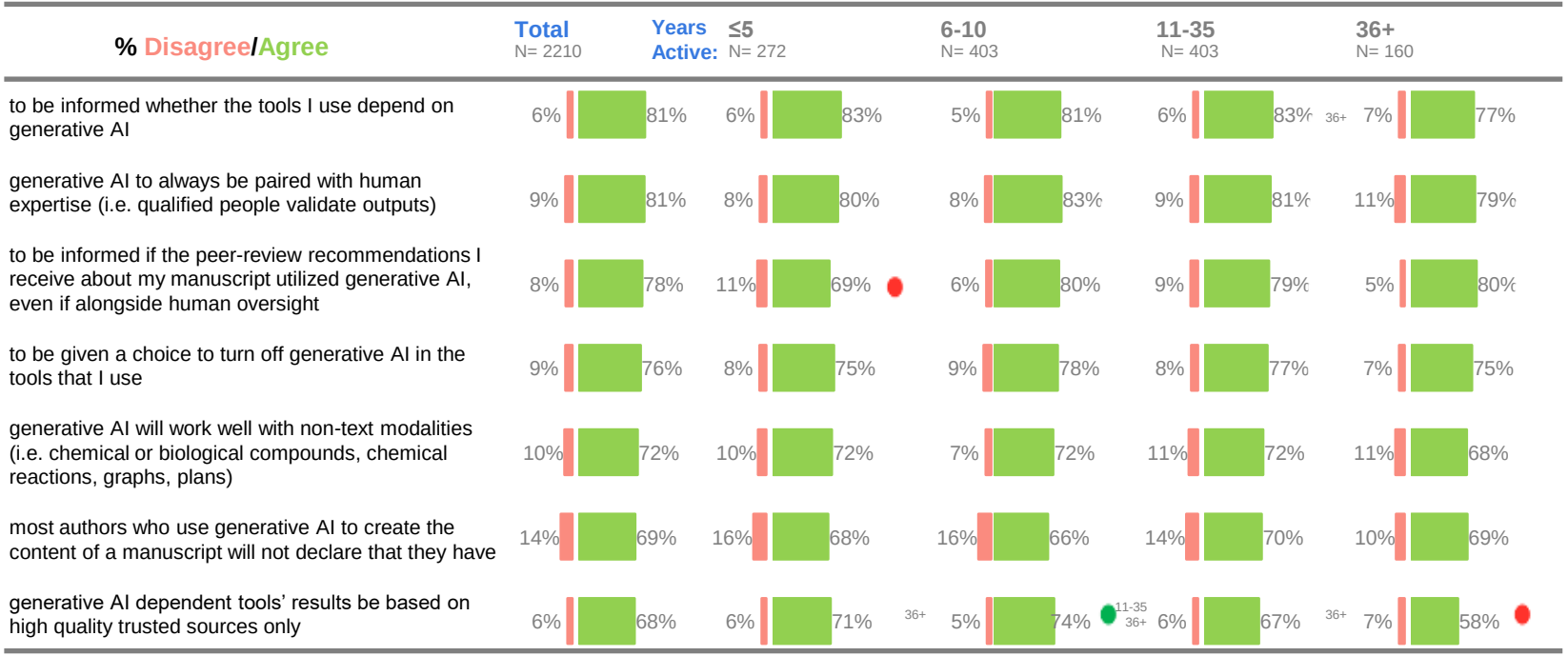
% Disagree/Agree	Total N= 2210	Men N= 1426	Women N= 671	
to be informed whether the tools I use depend on generative AI	6% 81%	6% 79%	4% 86%	M
generative AI to always be paired with human expertise (i.e. qualified people validate outputs)	9% 81%	8% 79%	8% 83%	M
to be informed if the peer-review recommendations I receive about my manuscript utilized generative AI, even if alongside human oversight	8% 78%	9% 75%	6% 83%	M
to be given a choice to turn off generative AI in the tools that I use	9% 76%	10% 74%	7% 80%	M
generative AI will work well with non-text modalities (i.e. chemical or biological compounds, chemical reactions, graphs, plans)	10% 72%	9% 73%	11% 70%	
most authors who use generative AI to create the content of a manuscript will not declare that they have	14% 69%	14% 69%	16% 69%	
generative AI dependent tools' results be based on high quality trusted sources only	6% 68%	6% 68%	4% 71%	

Questions: Thinking about the use of generative AI in your area of work, how much do you agree or disagree with the following either presently or in the near future?

Scale: Strongly agree, somewhat agree, neither agree nor disagree, somewhat disagree, strongly disagree, don't know/not applicable (bottom 2 box and top 2 box, excl. don't know)

Base: n= 2210

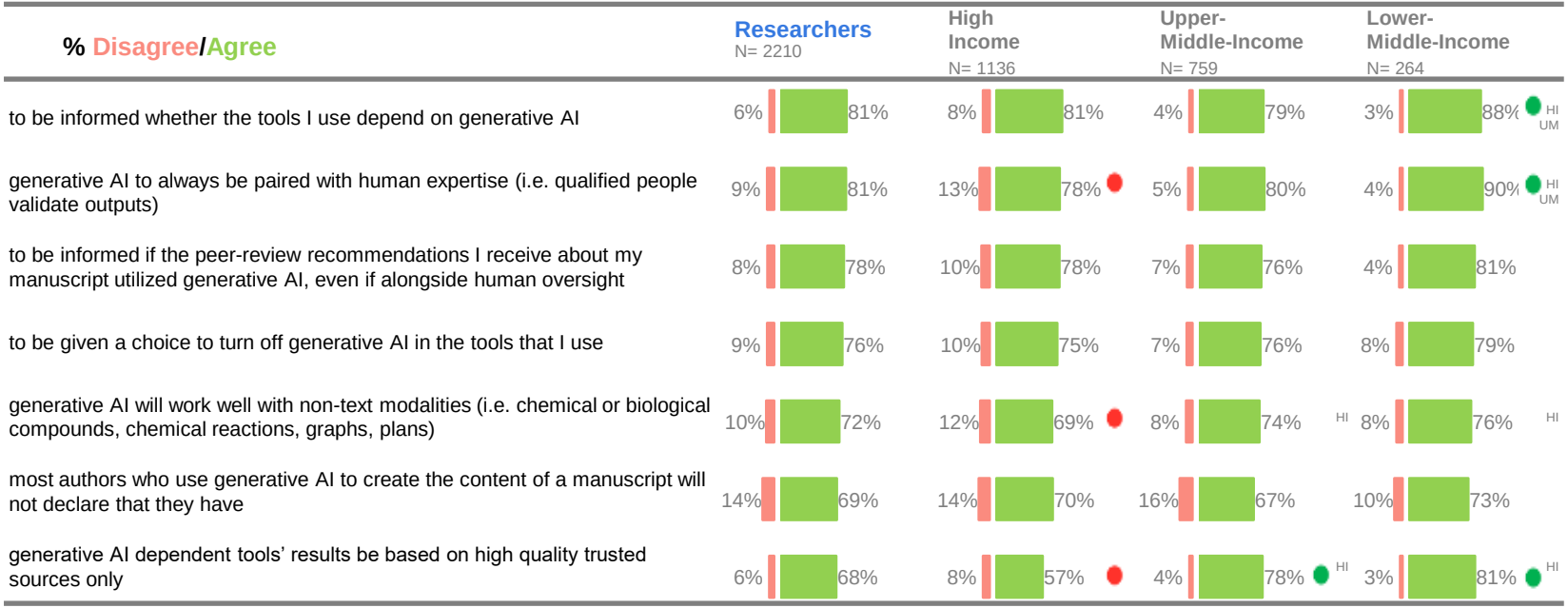
Most expect to be informed when a tool they use depends on generative AI, the same amount expect AI to be paired with human expertise. Researchers with 36+ years active are less likely than average to expect GenAI tools to be based on high quality and trusted sources only



Questions: Thinking about the use of generative AI in your area of work, how much do you agree or disagree with the following either presently or in the near future?
Scale: Strongly agree, somewhat agree, neither agree nor disagree, somewhat disagree, strongly disagree, don't know/not applicable (bottom 2 box and top 2 box, excl. don't know)
Base: n= 2210

Significantly higher/ lower than… *Global*
Significantly higher than… *Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)*

Researchers in lower-middle-income countries are most likely to expect GenAI to always be paired with human expertise and be informed on GenAI usage within tools

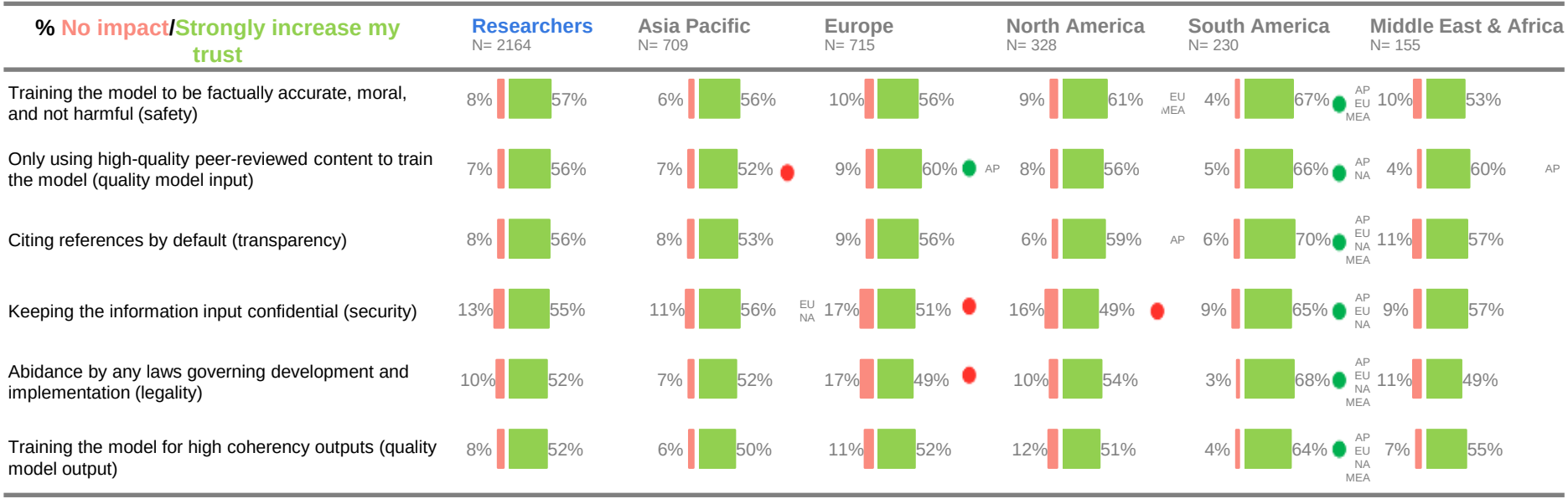


Questions: Thinking about the use of generative AI in your area of work, how much do you agree or disagree with the following either presently or in the near future?
Scale: Strongly agree, somewhat agree, neither agree nor disagree, somewhat disagree, strongly disagree, don't know/not applicable (bottom 2 box and top 2 box, excl. don't know)
Base: n= 2210

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Using high quality content for models, improving accuracy, transparency, security and governance all **strongly increase trust** in AI, training an AI model not to be harmful increases trust most, particularly in South America

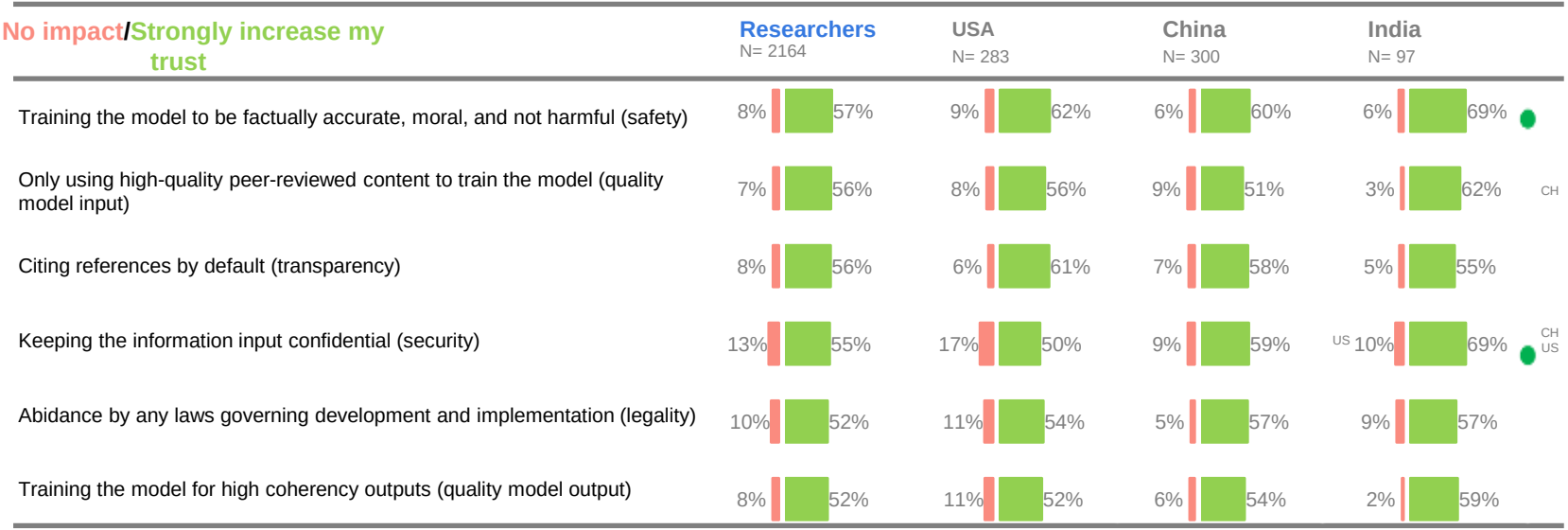
ELSEVIER



Questions: To what extent, if at all, would the following factors increase your trust in tools that utilize generative AI?
Scale: Strongly increase my trust, slightly increase my trust, no impact on my level of trust, don't know / not applicable (bottom box and top box, excl. don't know)
Base: n= 2164

Significantly higher/ lower than… Global
Significantly higher than… Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

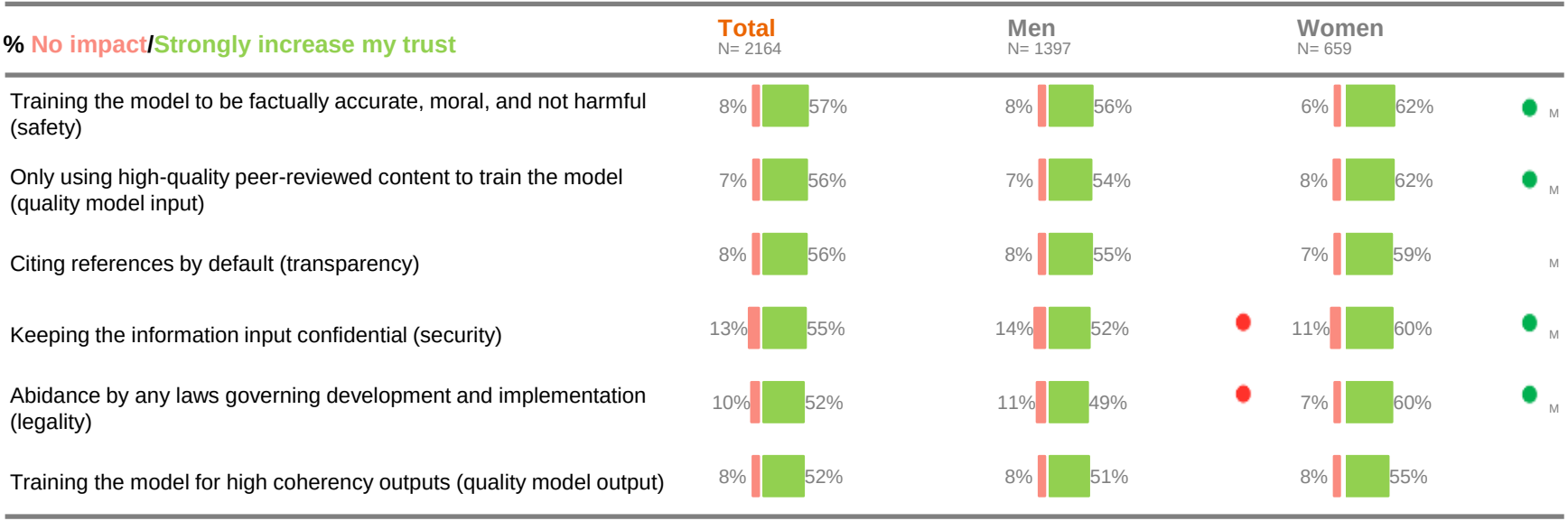
Using high quality content for models, improving accuracy, transparency, security and governance all **strongly increase trust** in AI, training an AI model not to be harmful increases trust most, this and security are higher in India



Questions: To what extent, if at all, would the following factors increase your trust in tools that utilize generative AI?
Scale: Strongly increase my trust, slightly increase my trust, no impact on my level of trust, don't know / not applicable (bottom box and top box, excl. don't know)
Base: n= 2164

Significantly higher/ lower than… *Global*
Significantly higher than… *Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)*

Using high quality content for models, improving accuracy, transparency, security and governance all **strongly increase trust** in AI. Training an AI model not to be harmful, using high quality content, abiding by regulations (legality), keeping information confidential would increase trust more so among women



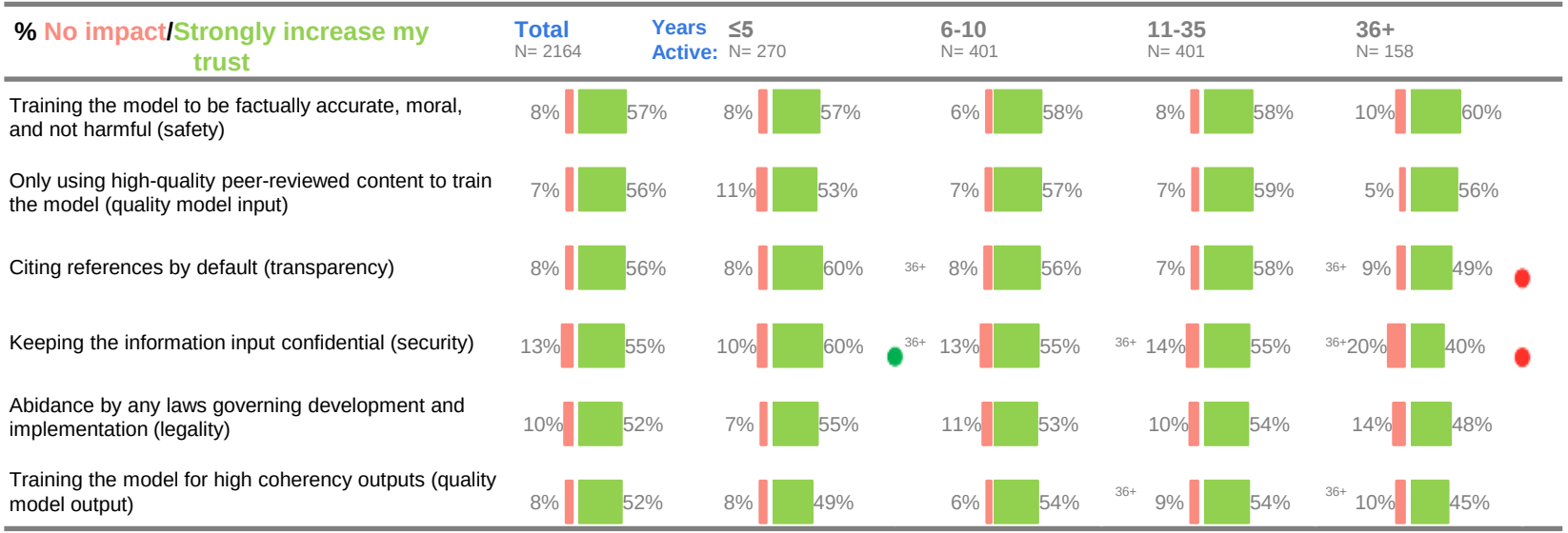
Questions: To what extent, if at all, would the following factors increase your trust in tools that utilize generative AI?
Scale: Strongly increase my trust, slightly increase my trust, no impact on my level of trust, don't know / not applicable (bottom box and top box, excl. don't know)
Base: n= 2164

Research

Back to home

Significantly higher/ lower than…
Significantly higher than…
Global
Gender/Generation (indicated by first letter e.g. M= Men)

Using high quality content for models, improving accuracy, transparency, security and governance all **strongly increase trust** in AI. Confidentiality more of a concern amongst researchers who have been active in their role less than 5 years



Questions: To what extent, if at all, would the following factors increase your trust in tools that utilize generative AI?
Scale: Strongly increase my trust, slightly increase my trust, no impact on my level of trust, don't know / not applicable (bottom box and top box, excl. don't know)
Base: n= 2164

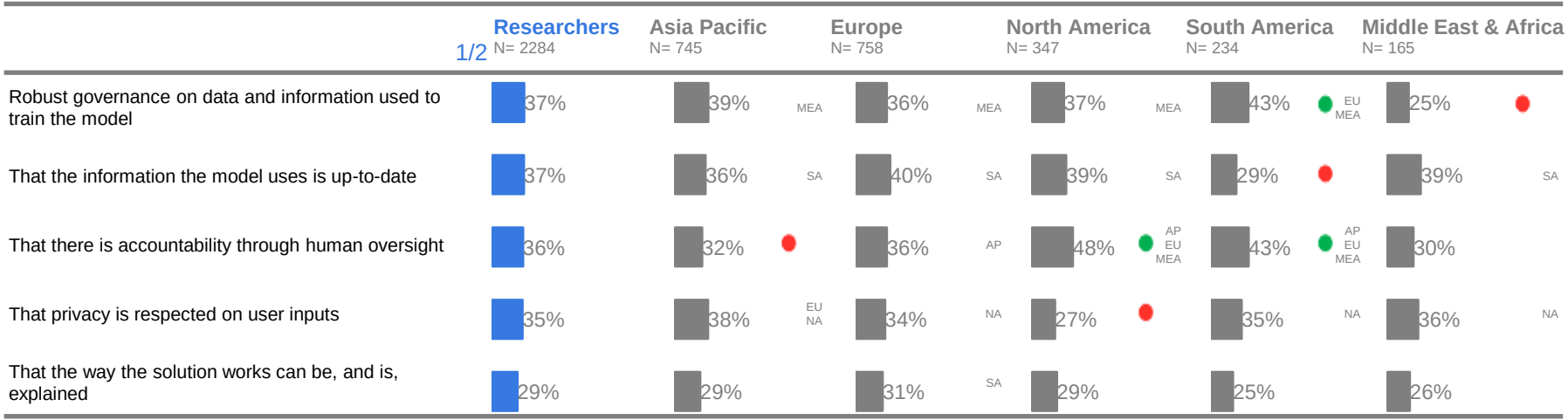
Significantly higher/ lower than… *Global*
Significantly higher than… *Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)*

Using high quality content for models, improving accuracy, transparency, security and governance all **strongly increase trust** in AI. Researchers in lower-middle-income countries are most likely to have increased trust in AI if input information is kept confidential (security)

Questions: To what extent, if at all, would the following factors increase your trust in tools that utilize generative AI?
Scale: Strongly increase my trust, slightly increase my trust, no impact on my level of trust, don't know / not applicable (bottom box and top box, excl. don't know)
Base: n= 2164

Top-three factors selected for increasing **comfort** using tools dependent on AI. Robust governance and AI model using up-to-date information ranked highest. Researchers in North and South America more likely to say that having accountability through human oversight would increase their comfort in that tool (1/2)

1/2

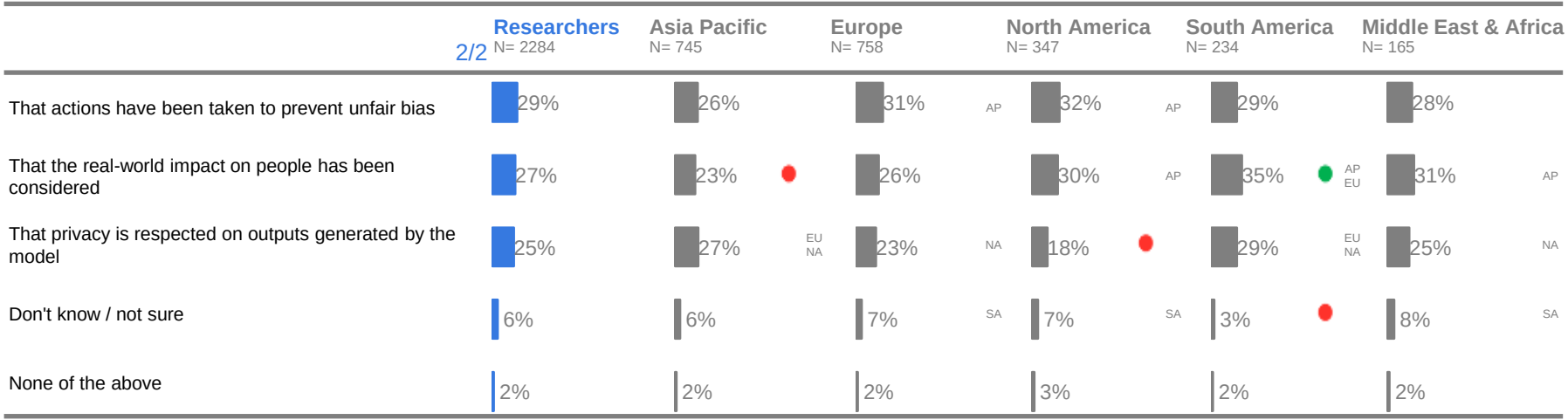


Questions: Which information areas about a tool's dependency on generative AI would most increase your comfort in using that tool?
Select: up to three
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Top-three factors selected for increasing **comfort** using tools dependent on AI. Robust governance and AI model using up-to-date information ranked highest. Researchers in South America are more likely to want to know real-world impact has been considered (2/2)

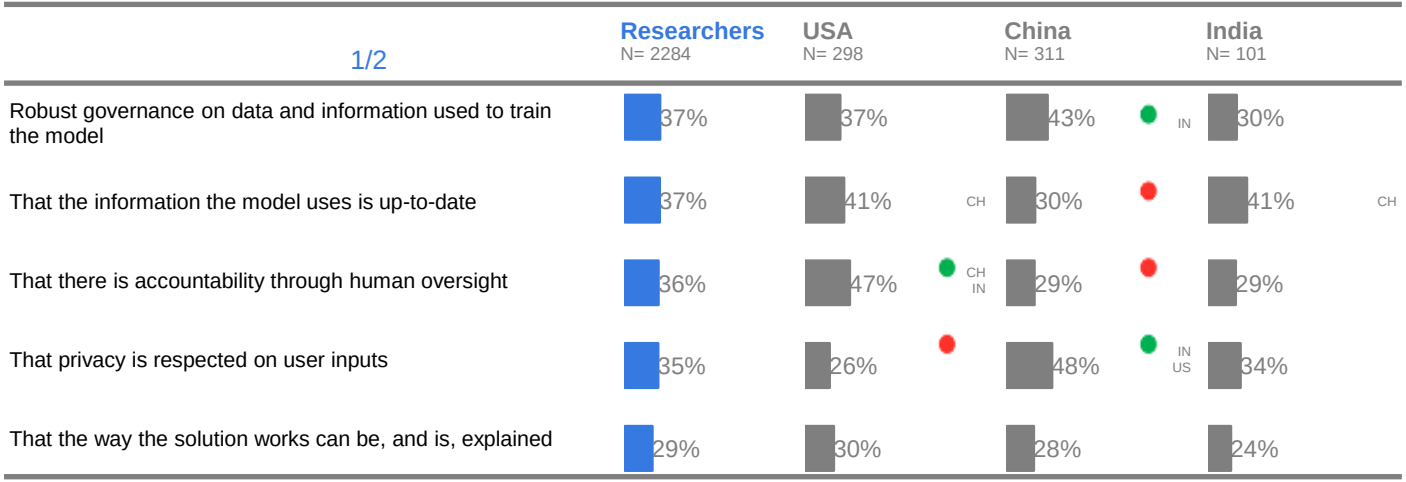
2/2



Questions: Which information areas about a tool's dependency on generative AI would most increase your comfort in using that tool?
Select: up to three
Base: n= 2284

Significantly higher/ lower than… *Global*
Significantly higher than…
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Top-three factors selected for increasing **comfort** using tools dependent on AI. Robust governance and AI model using up-to-date information ranked highest. Researchers in the USA more likely to say having accountability through human oversight would increase comfort (1/2)



Questions: Which information areas about a tool's dependency on generative AI would most increase your comfort in using that tool?
Select: up to three
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Top-three factors selected for increasing **comfort** in using tools dependent on AI. Robust governance and AI model using up-to-date information ranked highest. Researchers in China more likely to say that privacy in outputs is respected would increase their comfort in a tool (2/2)

2/2	Researchers N= 2284	USA N= 298	China N= 311	India N= 101
That actions have been taken to prevent unfair bias	29%	34% CH	25%	27%
That the real-world impact on people has been considered	27%	29% CH	22%	26%
That privacy is respected on outputs generated by the model	25%	17%	31% US	27% US
Don't know / not sure	6%	7% CH	4%	8% CH
None of the above	2%	2%	2%	1%

Questions: Which information areas about a tool's dependency on generative AI would most increase your comfort in using that tool?
Select: up to three
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Top-three factors selected for increasing **comfort** in using tools dependent on AI. Robust governance and AI model using up-to-date information ranked highest. Little difference by gender on top ranked factors (1/2)

1/2	Researchers N= 2284	Men N= 1464	Women N= 692
Robust governance on data and information used to train the model	37%	38%	35%
That the information the model uses is up-to-date	37%	37%	37%
That there is accountability through human oversight	36%	35%	37%
That privacy is respected on user inputs	35%	34%	37%
That the way the solution works can be, and is, explained	29%	29%	29%

Questions: Which information areas about a tool's dependency on generative AI would most increase your comfort in using that tool?
Select: up to three
Base: n= 2284

Top-three factors selected for increasing **comfort** in using tools dependent on AI. Robust governance and AI model using up-to-date information ranked highest. Women more likely to think real-world impact has been considered would increase **comfort** (2/2)

ELSEVIER

2/2	Researchers N= 2284	Men N= 1464	Women N= 692
That actions have been taken to prevent unfair bias	29%	30%	28%
That the real-world impact on people has been considered	27%	25%	30% M
That privacy is respected on outputs generated by the model	25%	24%	27%
Don't know / not sure	6%	6%	5%
None of the above	2%	2%	1%

Questions: Which information areas about a tool's dependency on generative AI would most increase your comfort in using that tool?
Select: up to three
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Gender/Generation (indicated by first letter e.g. M= Men)

Top-three factors selected for increasing **comfort** in using tools dependent on AI. Robust governance and AI model using up-to-date information ranked highest. Researchers with up to 5 years active are most likely to say that privacy of user inputs would increase their comfort, whereas researchers with 36+ years least likely (1/2)

1/2

	Researchers N= 2284	Years Active: ≤5 N= 277	6-10 N= 418	11-35 N= 418	36+ N= 167
Robust governance on data and information used to train the model	37%	34%	37%	39%	34%
That the information the model uses is up-to-date	37%	37%	39%	37%	43%
That there is accountability through human oversight	36%	32%	36%	38%	41% ≤5
That privacy is respected on user inputs	35%	43% 6-10 11-35 36+	34% 36+	35% 36+	24%
That the way the solution works can be, and is, explained	29%	31%	26%	31%	33%

Questions: Which information areas about a tool's dependency on generative AI would most increase your comfort in using that tool? Select: up to three
Base: n= 2284

Significantly higher/ lower than… *Global*
Significantly higher than… *Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)*

Top-three factors selected for increasing **comfort** in using tools dependent on AI. Researchers 36+ years in research are less likely to select privacy in outputs is respected compared to global average (2/2)

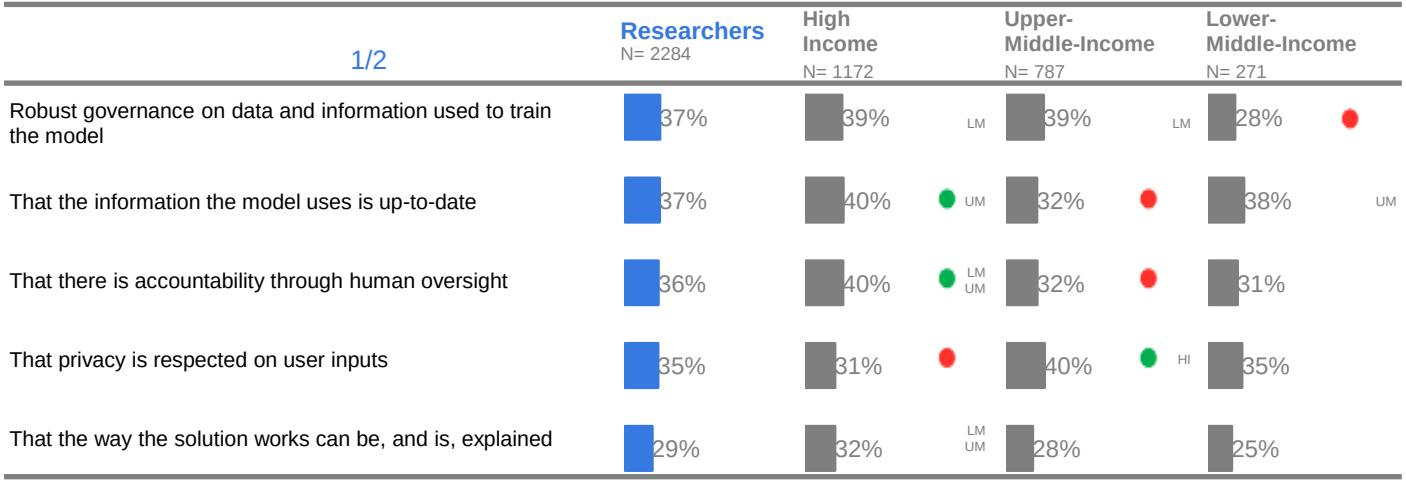
2/2

	Researchers N= 2284	Years Active: ≤5 N= 277	6-10 N= 418	11-35 N= 418	36+ N= 167
That actions have been taken to prevent unfair bias	29%	24%	32% ≤5	31% ≤5	30%
That the real-world impact on people has been considered	27%	30% 6-10	23%	27%	29%
That privacy is respected on outputs generated by the model	25%	25% 36+	25% 36+	25% 36+	16%
Don't know / not sure	6%	4%	8% ≤5	5%	6%
None of the above	2%	2%	1%	2%	3%

Questions: Which information areas about a tool's dependency on generative AI would most increase your comfort in using that tool?
Select: up to three
Base: n= 2284

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Top-three factors selected for increasing **comfort** in using tools dependent on AI. Robust governance and AI model using up-to-date information ranked highest. Researchers in high income countries are more likely to rank model uses up-to-date information and accountability through human oversight higher (1/2)



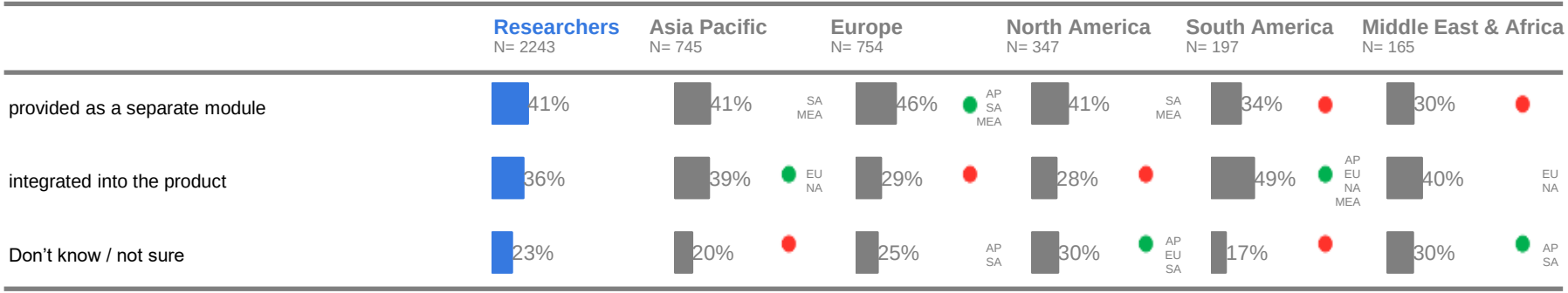
Questions: Which information areas about a tool's dependency on generative AI would most increase your comfort in using that tool? Select: up to three
Base: n= 2284

Top-three factors selected for increasing **comfort** in using tools dependent on AI. Robust governance and AI model using up-to-date information ranked highest, privacy of outputs ranked less of a concern in high income countries (2/2)

2/2	Researchers N= 2284	High Income N= 1172	Upper-Middle-Income N= 787	Lower-Middle-Income N= 271
That actions have been taken to prevent unfair bias	29%	30%	28%	27%
That the real-world impact on people has been considered	27%	26%	27%	29%
That privacy is respected on outputs generated by the model	25%	22%	28% HI	29% HI
Don't know / not sure	6%	6%	6%	6%
None of the above	2%	2%	2%	2%

Questions: Which information areas about a tool's dependency on generative AI would most increase your comfort in using that tool? Select: up to three
Base: n= 2284

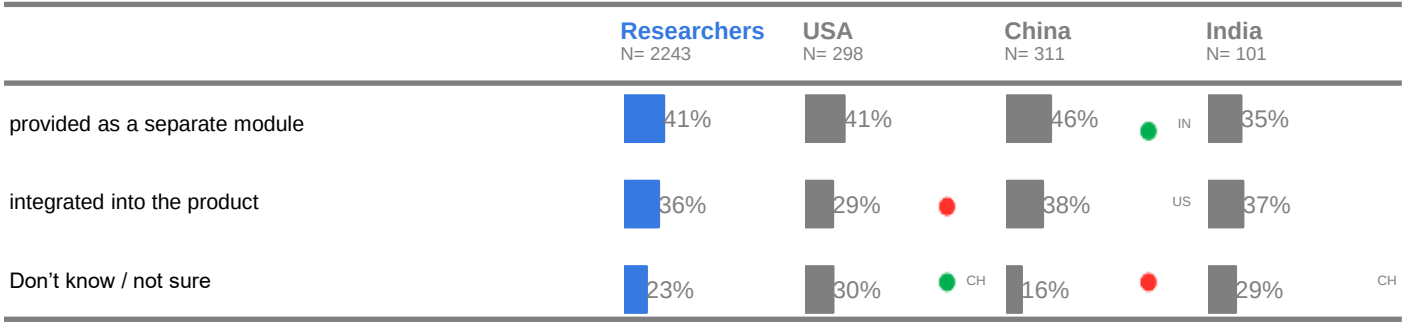
Opinion is divided as to whether AI should be integrated or kept separate in solutions researchers already use, more would prefer that it is provided as a separate module. In Europe the preference for it to be separate in highest, whereas in South America, integrated comes out on top



Questions: Would you prefer any generative AI functionality included in a product you use already to be…?
Select: only one
Base: n= 2243

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

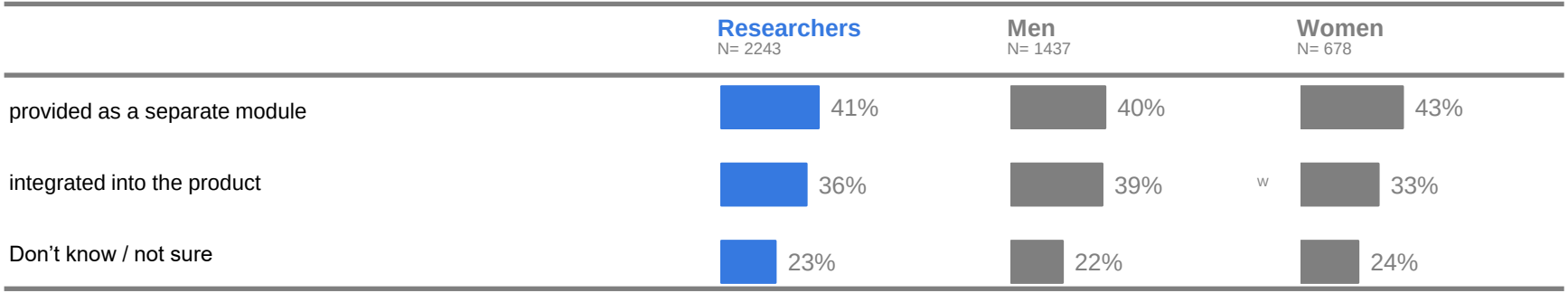
Researchers prefer AI to be provided as a separate module in existing solutions they use. Researchers in China have a stronger preference for AI to be in a separate module



Questions: Would you prefer any generative AI functionality included in a product you use already to be…?
Select: only one
Base: n= 2243

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

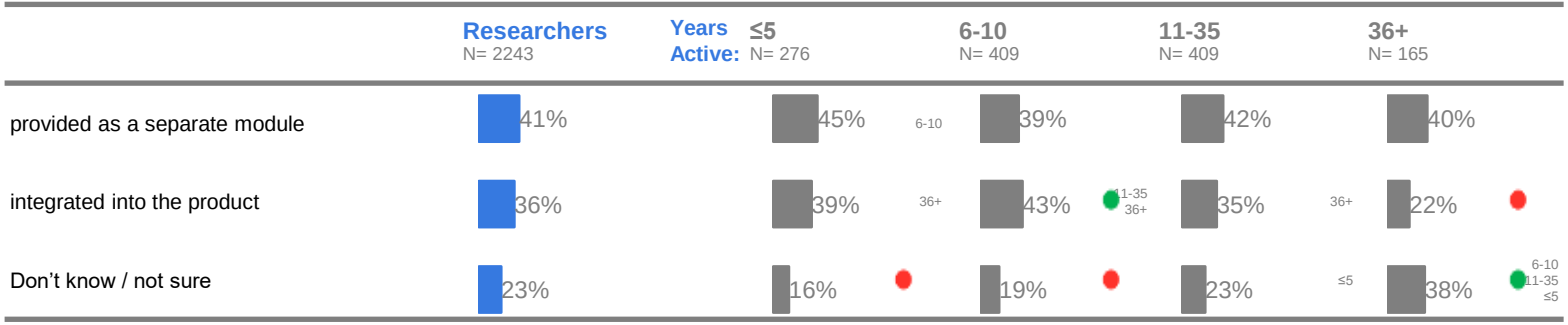
Researchers prefer AI to be provided as a separate module in existing solutions they use. No difference by gender



Questions: Would you prefer any generative AI functionality included in a product you use already to be…?
Select: only one
Base: n= 2243

Significantly higher/ lower than…
Significantly higher than…
Global
Gender/Generation (indicated by first letter e.g. M= Men)

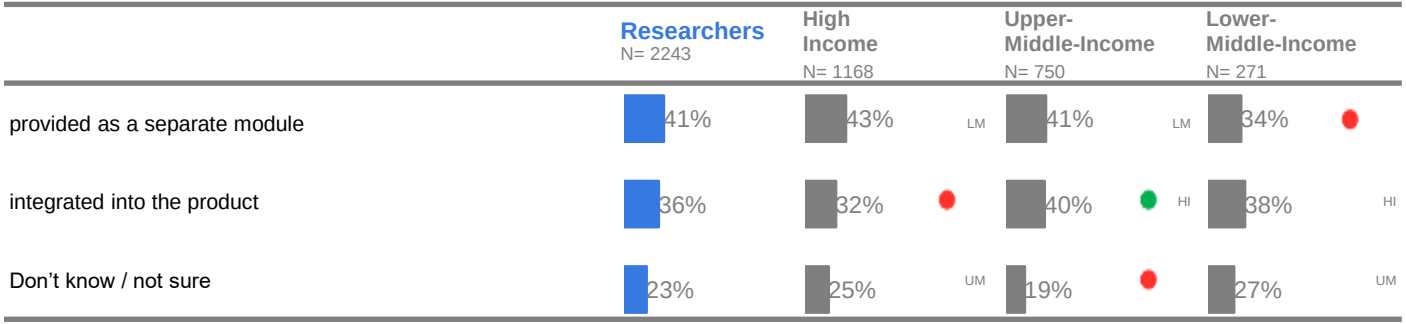
Researchers prefer AI to be provided as a separate module in existing solutions they use. Researchers with 6-10 years active have the greatest preference for AI functionality to be integrated into the product



Questions: Would you prefer any generative AI functionality included in a product you use already to be…?
Select: only one
Base: n= 2243

Significantly higher/ lower than…
Significantly higher than…
Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Researchers prefer AI to be provided as a separate module in existing solutions they use. A higher proportion would prefer generative AI functionality to be integrated in upper-middle-income countries



Questions: Would you prefer any generative AI functionality included in a product you use already to be…?
Select: only one
Base: n= 2243

Research

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Significantly higher/ lower than…
Significantly higher than…

Global
Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

4. Areas That Would Benefit From AI

Theme 4

Areas That Would Benefit From AI (General)

Thinking about the general areas of activity you need to complete, how much benefit, if any, do you believe the assistance of AI would bring? Only shown by overall

Slide 121

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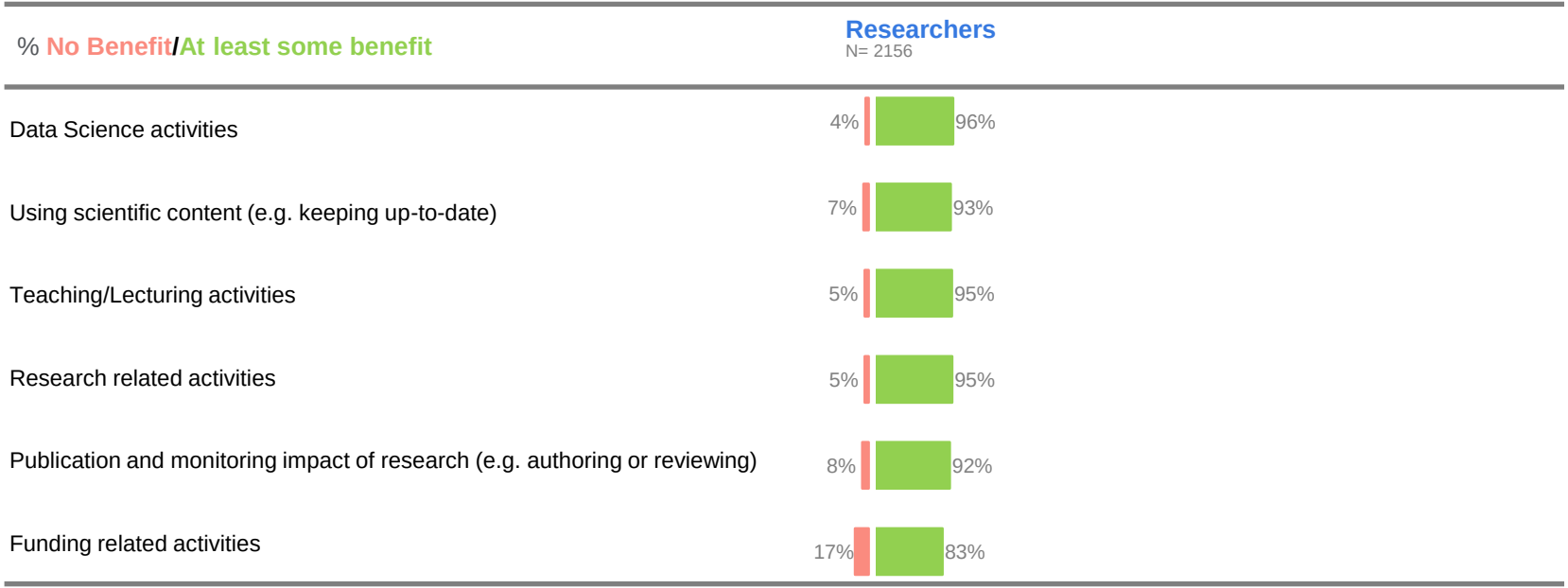
Researchers believe AI would be beneficial across a range of activities, the area least likely to benefit is funding related activities



Questions: Thinking about the general areas of activity you need to complete, how much benefit, if any, do you believe the assistance of AI would bring?
Scale: A lot of benefit, some benefit, no benefit, don't know/not applicable (bottom box and top two boxes, excl. don't know)
Base: n= 2836

5. Likelihood To Use an AI Assistant

Theme 5

Likelihood To Use an AI Assistant

If you had a reliable and secure AI assistant to help you… [general activity area] *asked to those who see AI benefit to these areas*	*how likely would you be to use it to…* *All only available by region & key market*	
complete research related activities	review prior studies	Slide 124
preparing your paper	proof your paper	Slide 124
using scientific content	generate a synthesis of research articles	Slide 124

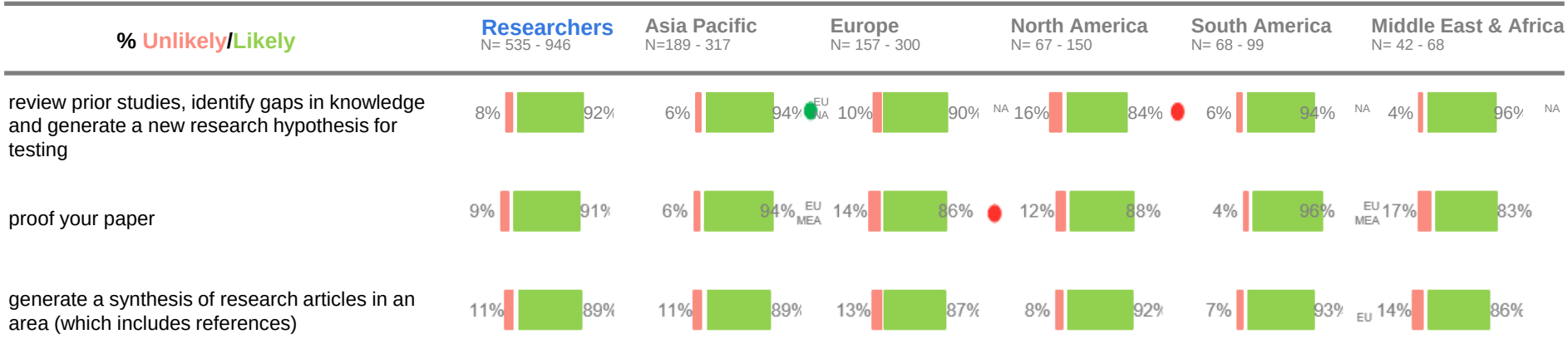
Back to home

Of those who believe AI would help in their work, the majority would likely use a reliable and secure AI assistant to help them to generate new hypotheses for testing, proofing papers and summarising research in an area

% Unlikely/Likely	Researchers N= 535 - 946
review prior studies, identify gaps in knowledge and generate a new research hypothesis for testing	8% 92%
proof your paper	9% 91%
generate a synthesis of research articles in an area (which includes references)	11% 89%

Questions: If you had a reliable and secure AI assistant to help you [general activity area], how likely would you be to use it to…
Scale: Very Likely, likely, somewhat likely, unlikely, not at all likely, don't know, not applicable (bottom 2 box and top 3 box, excl. don't know)
Base: n= 535 - 946

Likelihood to use a reliable and secure AI assistant to review prior studies and generate hypothesis, for those who believe it would help in their work, is higher for those in APAC



Total

Back to home

Significantly higher/ lower than…

Significantly higher than…

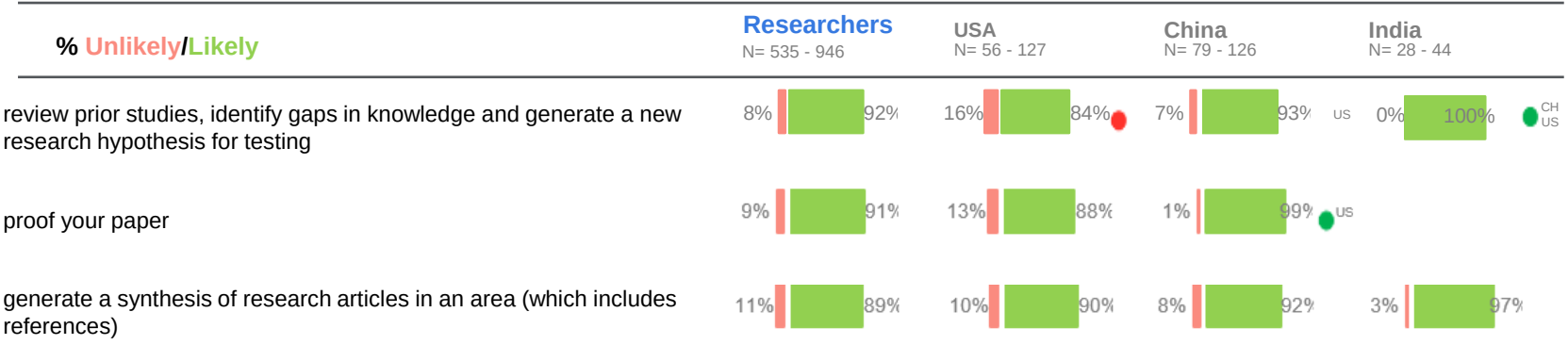
Global

Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Questions: If you had a reliable and secure AI assistant to help you complete research related activities, how likely would you be to use it to…
Scale: Very Likely, likely, somewhat likely, unlikely, not at all likely, don't know, not applicable (bottom 2 box and top 3 box, excl. don't know)

Base: n= 535 - 946

Likelihood to use a reliable and secure AI assistant to review prior studies and generate hypothesis, for those who believe it would help in their work, is higher for those in India



Total

Back to home

Significantly higher/ lower than…

Significantly higher than…

Global

Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)

Questions: If you had a reliable and secure AI assistant to help you [general activity area], how likely would you be to use it to…

Scale: Very Likely, likely, somewhat likely, unlikely, not at all likely, don't know, not applicable (bottom 2 box and top 3 box, excl. don't know)

Base: n= 535 - 946

6. AI and Elsevier

Theme 6

AI & Elsevier

Thinking about the use of generative AI in your area of work and the role of Elsevier, how much do you agree or disagree with the following?

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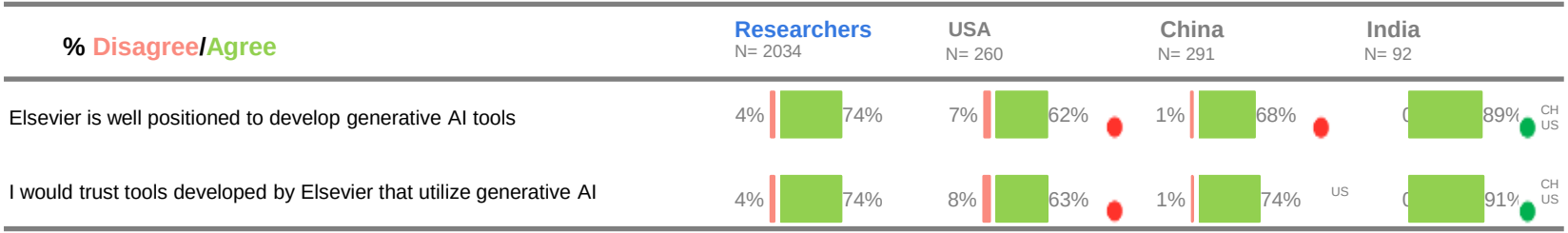
Researchers in South America and the Middle East & Africa are more likely to trust Elsevier tools that utilize generative AI than average

% Disagree/Agree	Researchers N= 2034	Asia Pacific N= 668	Europe N= 654	North America N= 302	South America N= 222	Middle East & Africa N= 157
Elsevier is well positioned to develop generative AI tools	4% 74%	3% 73% NA	5% 75% NA	7% 63%	2% 84% AP EU NA	2% 86% AP EU NA
I would trust tools developed by Elsevier that utilize generative AI	4% 74%	2% 76% EU NA	8% 70% NA	9% 63%	2% 84% AP EU NA	3% 87% AP EU NA

Questions: Thinking about the use of generative AI in your area of work and the role of Elsevier, how much do you agree or disagree with the following:
Scale: Strongly agree, somewhat agree, neither agree nor disagree, somewhat disagree, strongly disagree, don't know/not applicable (bottom 2 box and top 2 box, excl. don't know)
Base: n= 2034

Significantly higher/ lower than… *Global*
Significantly higher than… *Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)*

Researchers in India are more likely to trust Elsevier tools that utilize generative AI. Trust in Elsevier AI tools is lower than average in the USA



Questions: Thinking about the use of generative AI in your area of work and the role of Elsevier, how much do you agree or disagree with the following:
Scale: Strongly agree, somewhat agree, neither agree nor disagree, somewhat disagree, strongly disagree, don't know/not applicable (bottom 2 box and top 2 box, excl. don't know)
Base: n= 2034

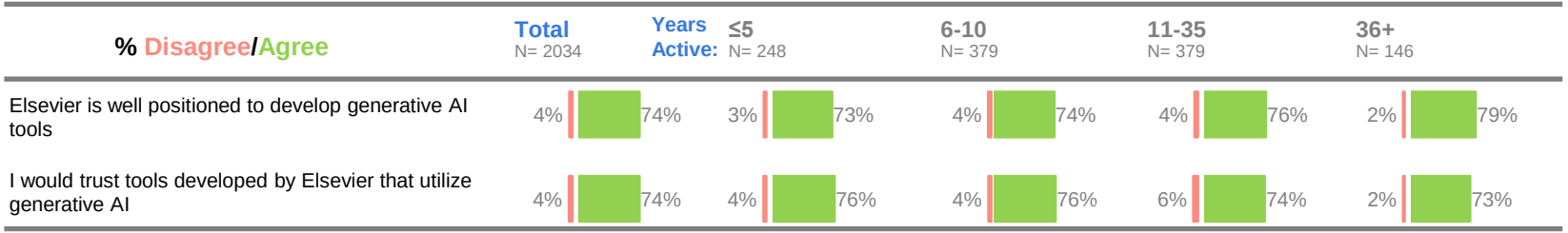
Significantly higher/ lower than… *Global*
Significantly higher than… *Role/ Region/ Country (indicated by first two letters e.g. AP = APAC)*

Trust in Elsevier being well positioned to develop generative AI tools is higher among women

% Disagree/Agree	Total N= 2034	Men N= 1318	Women N= 616
Elsevier is well positioned to develop generative AI tools	4% 74%	4% 73%	2% 79% M
I would trust tools developed by Elsevier that utilize generative AI	4% 74%	4% 75%	4% 76%

Questions: Thinking about the use of generative AI in your area of work and the role of Elsevier, how much do you agree or disagree with the following:
Scale: Strongly agree, somewhat agree, neither agree nor disagree, somewhat disagree, strongly disagree, don't know/not applicable (bottom 2 box and top 2 box, excl. don't know)
Base: n= 2034

Trust in Elsevier to develop tools and being well-positioned is high among researchers (74%)



Questions: Thinking about the use of generative AI in your area of work and the role of Elsevier, how much do you agree or disagree with the following:
Scale: Strongly agree, somewhat agree, neither agree nor disagree, somewhat disagree, strongly disagree, don't know/not applicable (bottom 2 box and top 2 box, excl. don't know)
Base: n= 2034

Researchers in lower-middle-income countries are most likely to agree that Elsevier is well placed to develop GenAI tools or trust tools developed by Elsevier

% Disagree/Agree	Researchers N= 2034	High Income N= 1007	Upper-Middle-Income N= 726	Lower-Middle-Income N= 252
Elsevier is well positioned to develop generative AI tools	4% 74%	7% 68%	2% 76% HI	1% 89% HI UM
I would trust tools developed by Elsevier that utilize generative AI	4% 74%	8% 67%	1% 78% HI	1% 89% HI UM

Questions: Thinking about the use of generative AI in your area of work and the role of Elsevier, how much do you agree or disagree with the following:
Scale: Strongly agree, somewhat agree, neither agree nor disagree, somewhat disagree, strongly disagree, don't know/not applicable (bottom 2 box and top 2 box, excl. don't know)
Base: n= 2034