



KPMG Digital Health Pulse 2017



April 2017

Research purpose and design



To identify **key perceptions about the pace of digital health adoption** and key challenges to implementing virtual care programs at hospitals and healthcare systems



Through a blinded **quantitative, voice of customer, web-based, market research study** with C-suite, IT and clinical leaders



About the KPMG Digital Health Pulse 2017

The KPMG survey, conducted by HIMSS Analytics from Feb. 15 - March 17, 2017, asked 147 healthcare executives about the state of adoption for virtual care services and explored the top challenges hospitals and healthcare systems face as they seek to implement digital health capabilities. Respondents were comprised of the C-suite, IT, and clinical leaders.

Research methodology

Targeted Respondents:
C-Suite, IT Professionals,
Clinicians, and Department
Heads at hospitals and
healthcare systems.

Survey was conducted between
February 15 and March 17, 2017



147
Respondents

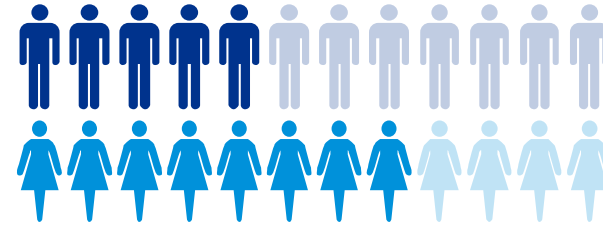


Respondent Demographics

Respondent demographics




147



Respondents

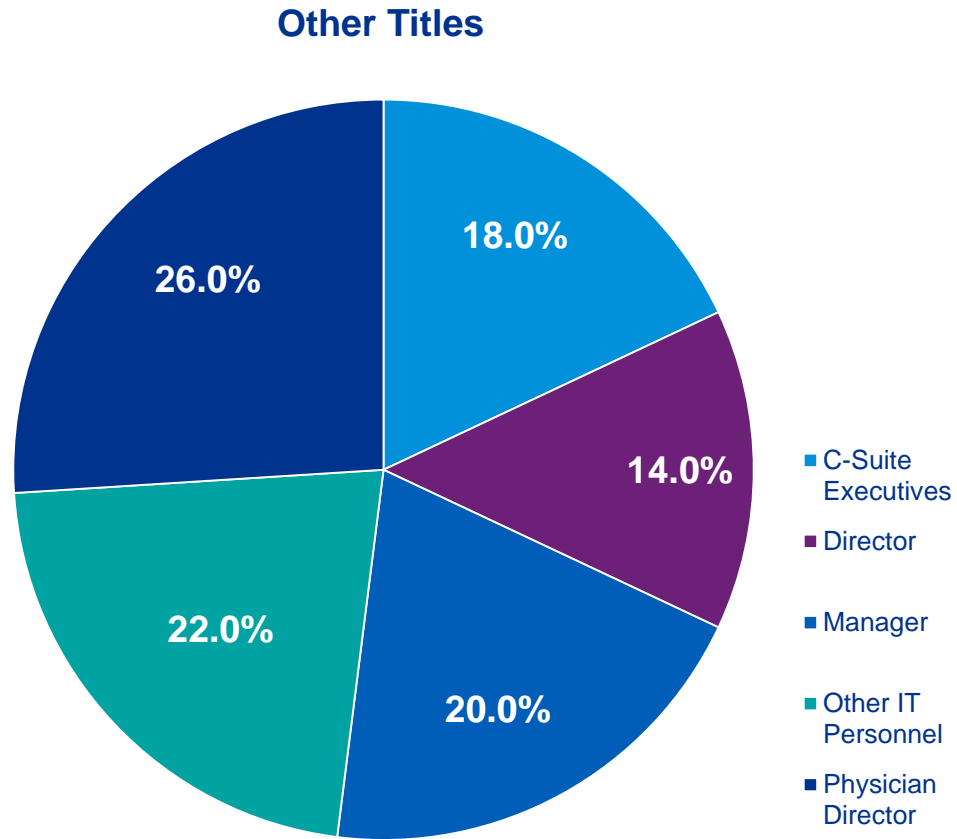
**C-Suite, IT Professionals, Clinicians, and Department Heads
at hospitals and healthcare systems**

46%  **IT Based Roles**

36%  **C-Suite Roles**

18%  **Department Heads**

Respondent other titles



- Chief Medical Officer
- HIM Director/Revenue Integrity
- IS Analyst
- PMO – Program Director
- Compliance and Privacy Program Coordinator
- Chief Medical Information Officer
- CEO
- CFO
- Chief Procurement/Supply Chain Officer
- Patient Safety and Privacy Officer
- Medical Director
- Deputy Chief Doctor
- Chief Nursing Information Officer
- Data Analyst
- Chief of Staff
- COO
- Director Clinical Informatics
- IT Lead – Pharmacy
- Senior Systems Analyst
- Hospital Security Supervisor
- PACS Manager
- VP Clinical Services
- Emergency Department Director
- Clinical Informatics Manager
- System Architect
- Facility Manager
- Project Manager
- Administrator
- Systems Coordinator
- Director HIM
- Service Line Program Manager
- Medical Director for Clinical Engineering
- Manager of Diagnostic Center & Manager of IT Medical Imaging
- Medical Director of Innovation
- Manager Nursing Informatics
- Radiology Clinical Coordinator
- Director of Organizational Effectiveness
- Physician Lead
- Senior Clinical Analyst
- Quality Director

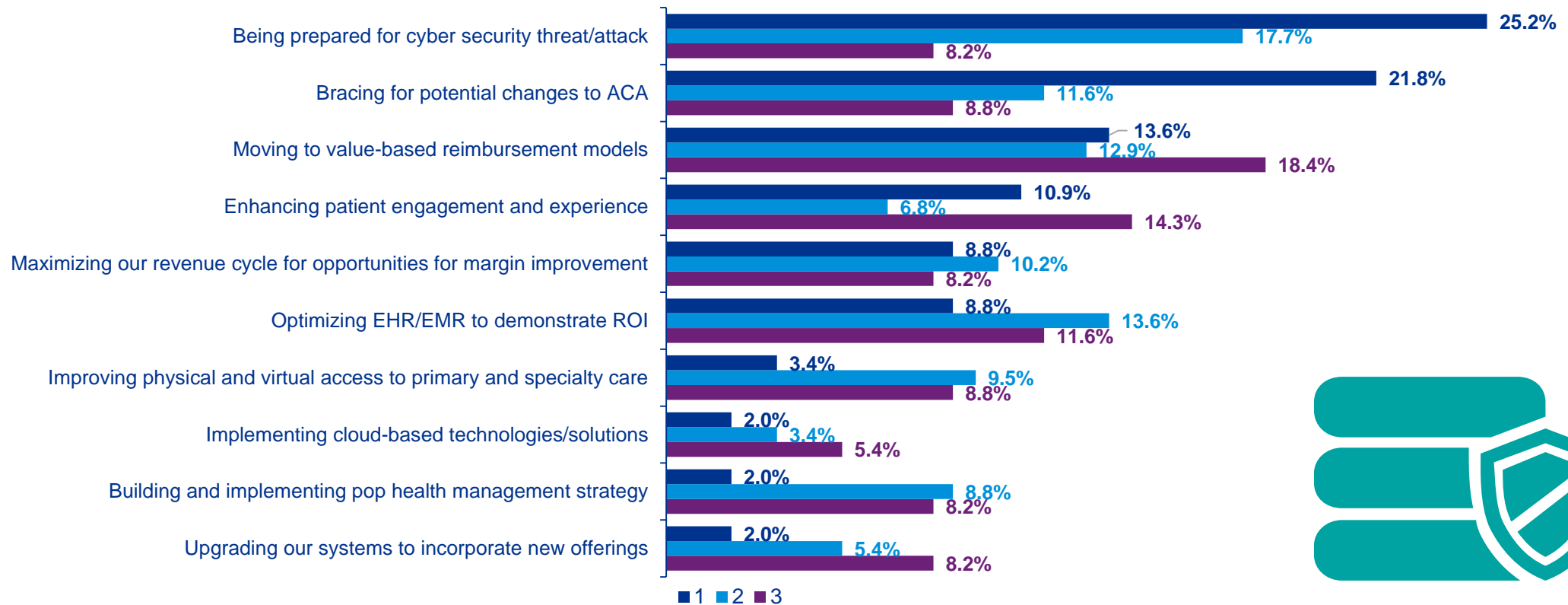


Top Challenges for 2017

Being adequately prepared for a cyber security threat/attack is the biggest challenge for 2017

How would you rank the top challenges your organization will face in 2017?

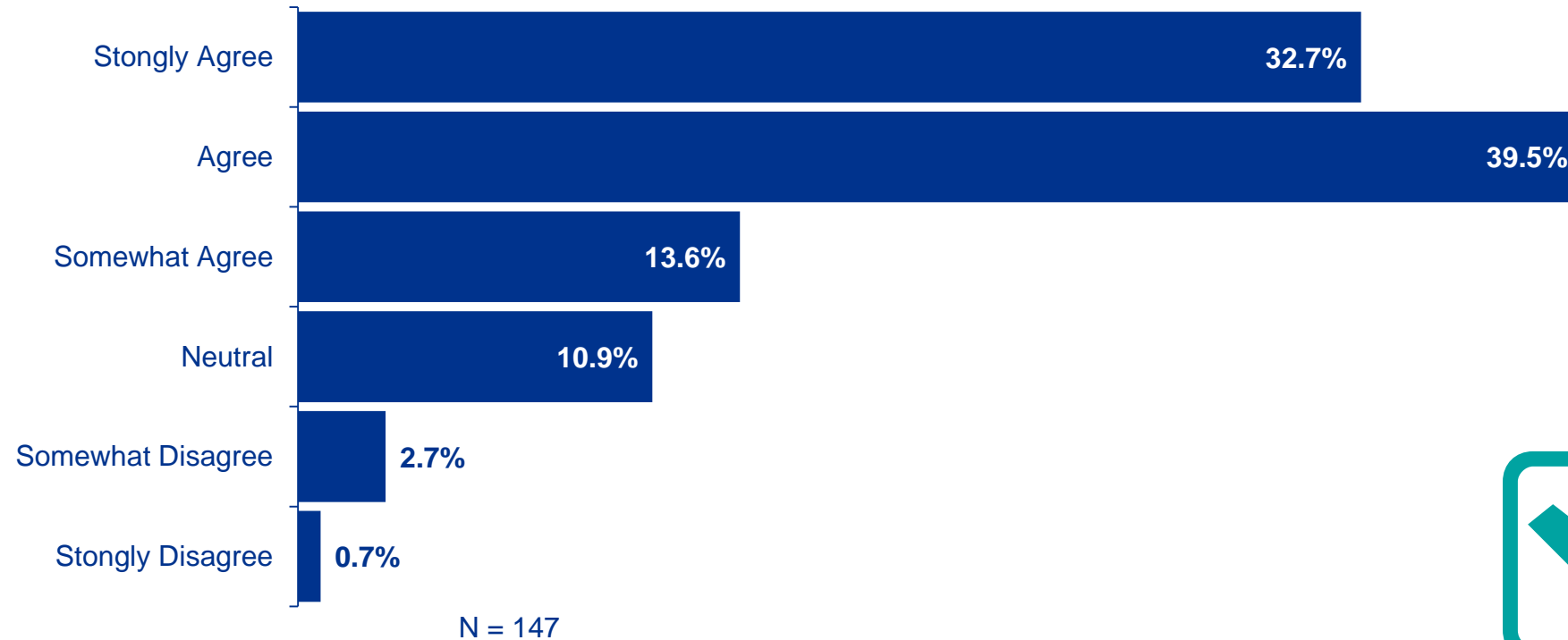
Please rank the all challenges 1 to 10 with 1 being the biggest challenge.



Value-based care is here to stay

To what extent do you agree with the following statement?

Regardless of the shift to a new presidential administration, the shift to value-based care will continue.



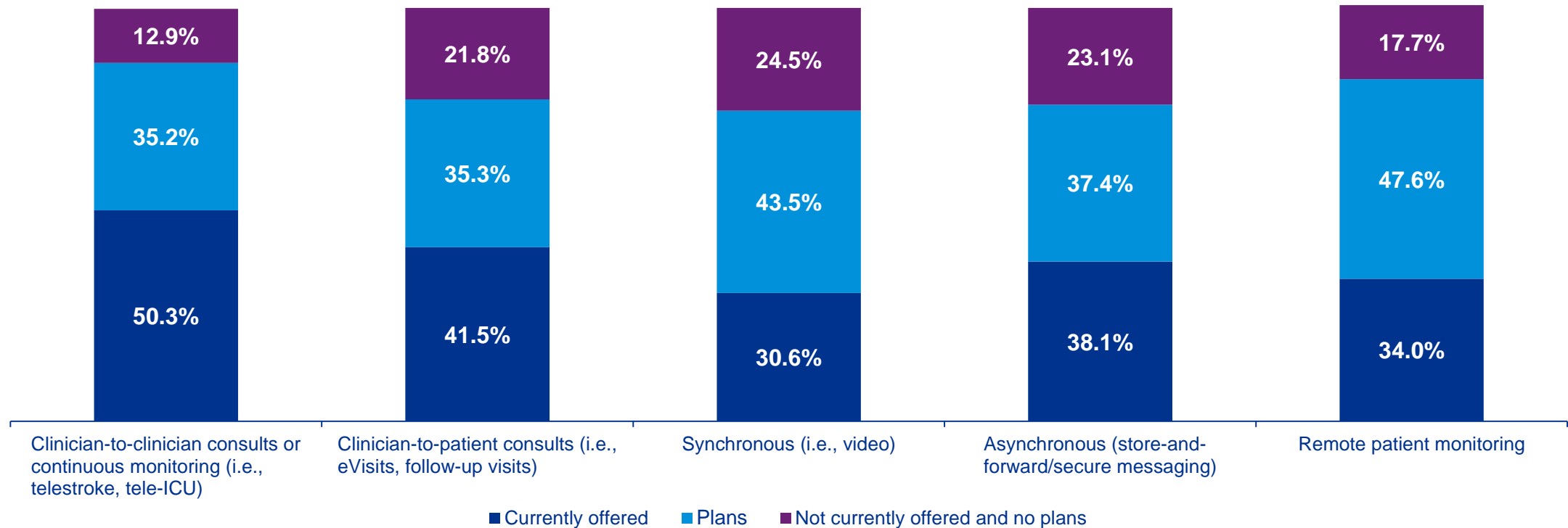


Virtual Care Services

(For purposes of this study virtual care refers to the use of technology to provide clinical healthcare treatment from a distance)

Organizations currently offer more virtual care services than they have plans to offer in the future

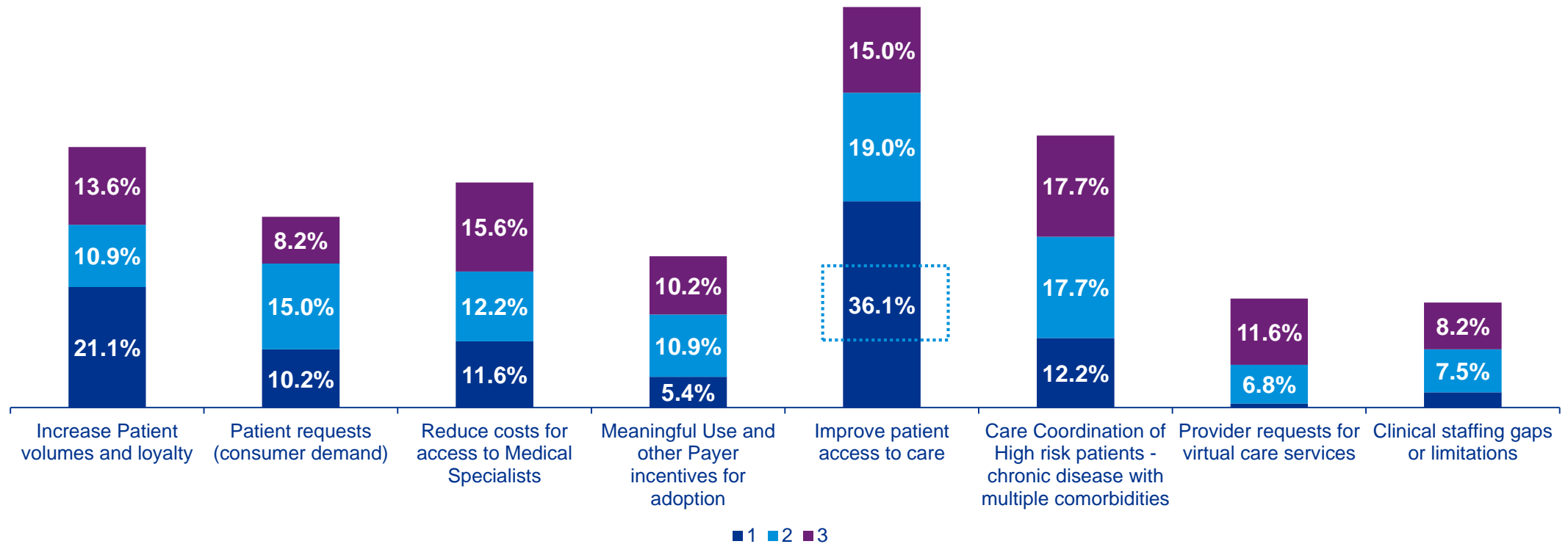
What virtual care services does your organization currently offer or plan to offer in the future?
Please select a status for each type of virtual care.



Over 1/3 of respondents ranked improve patient access to care their top priority for expediting adoption of virtual care services

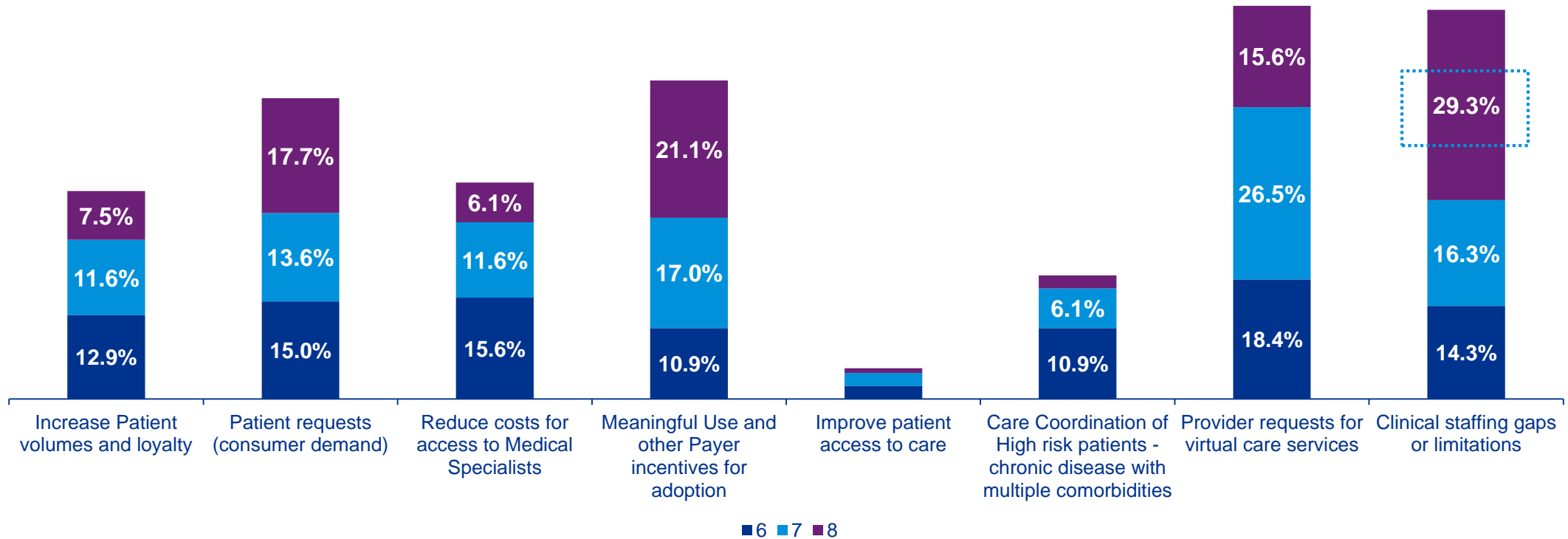
How would you rank the top drivers for expediting your adoption of Virtual Care Services?

Please rank the drivers in order from 1 to 8 with 1 being the biggest driver.



Almost 30% of respondents ranked clinical staffing gaps or limitations their lowest priority

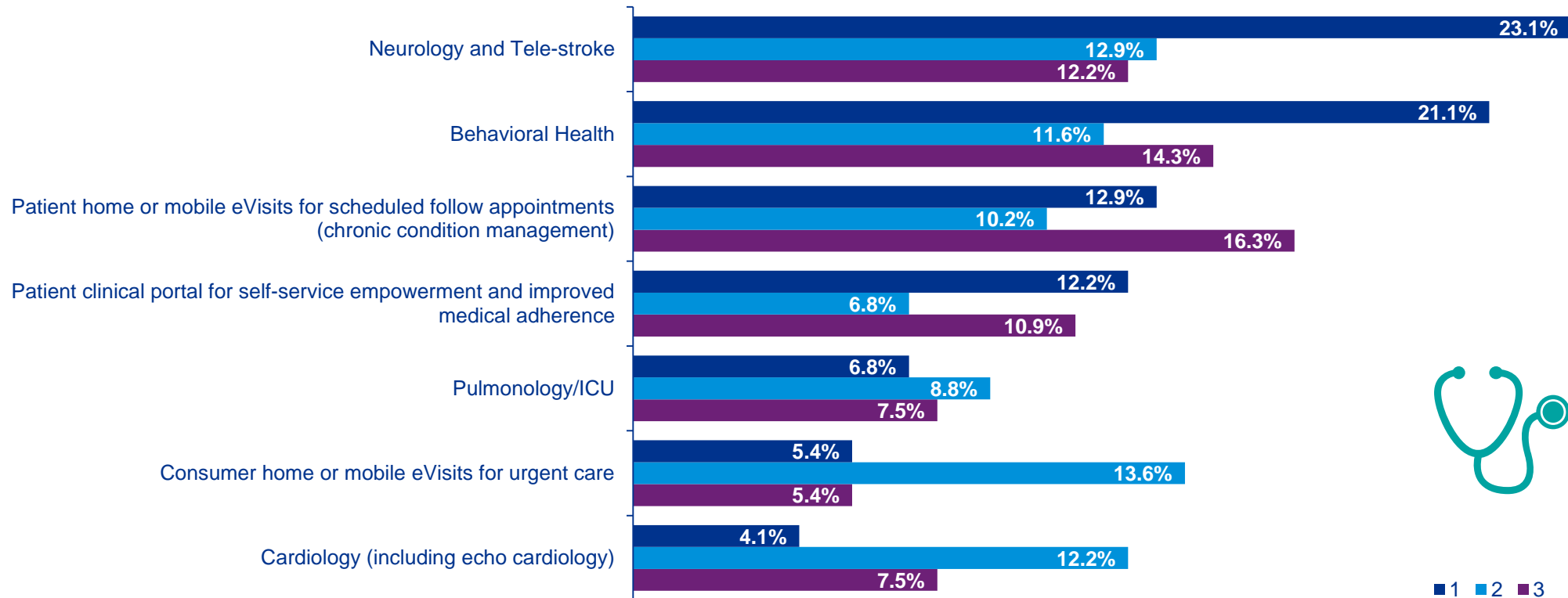
How would you rank the top drivers for expediting your adoption of Virtual Care Services?
Please rank the drivers in order from 1 to 8 with 1 being the biggest driver.



Over 20% stated neurology, tele-stroke and behavioral health are the top priorities around virtual care services lines

How would you rank the top priorities around Virtual Care service lines?

Please rank the priorities in order from 1 to 12 with 1 being the biggest / most urgent priority.

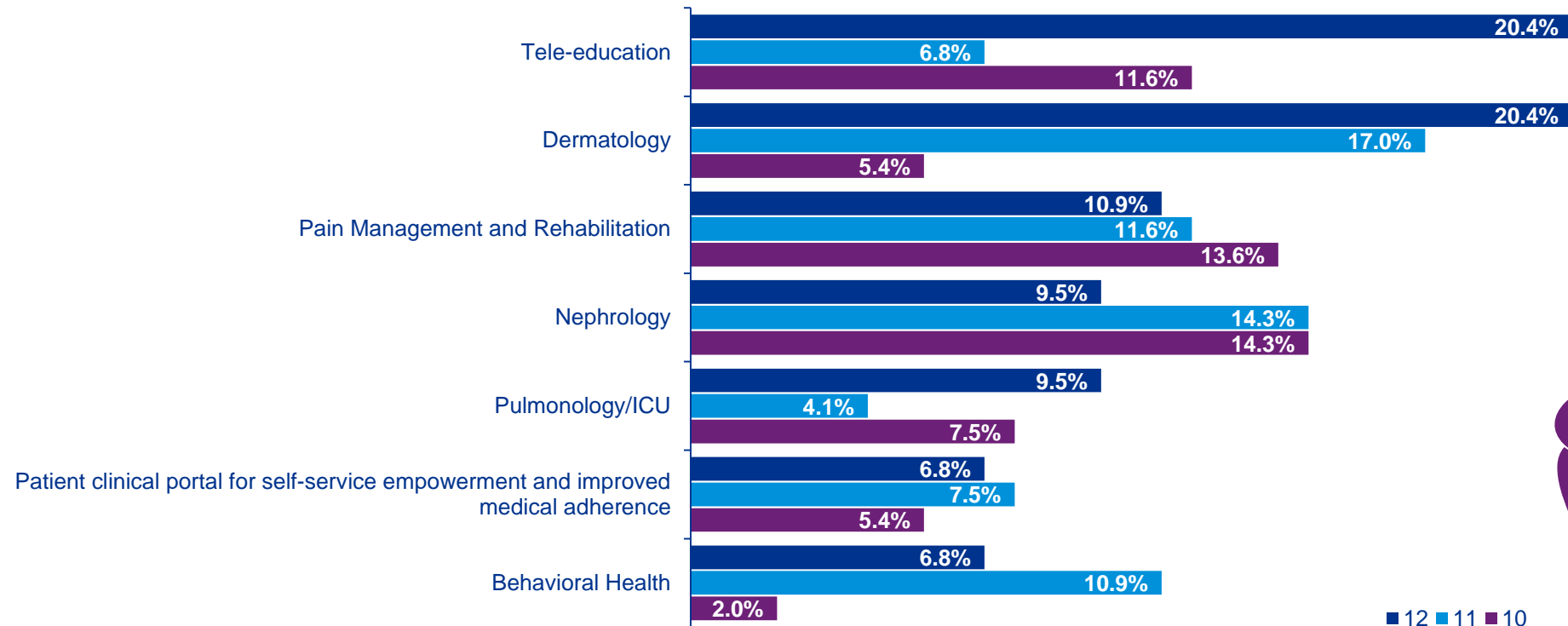


■ 1 ■ 2 ■ 3

Tele-education and dermatology are the least urgent priorities for virtual care service

How would you rank the top priorities around Virtual Care service lines?

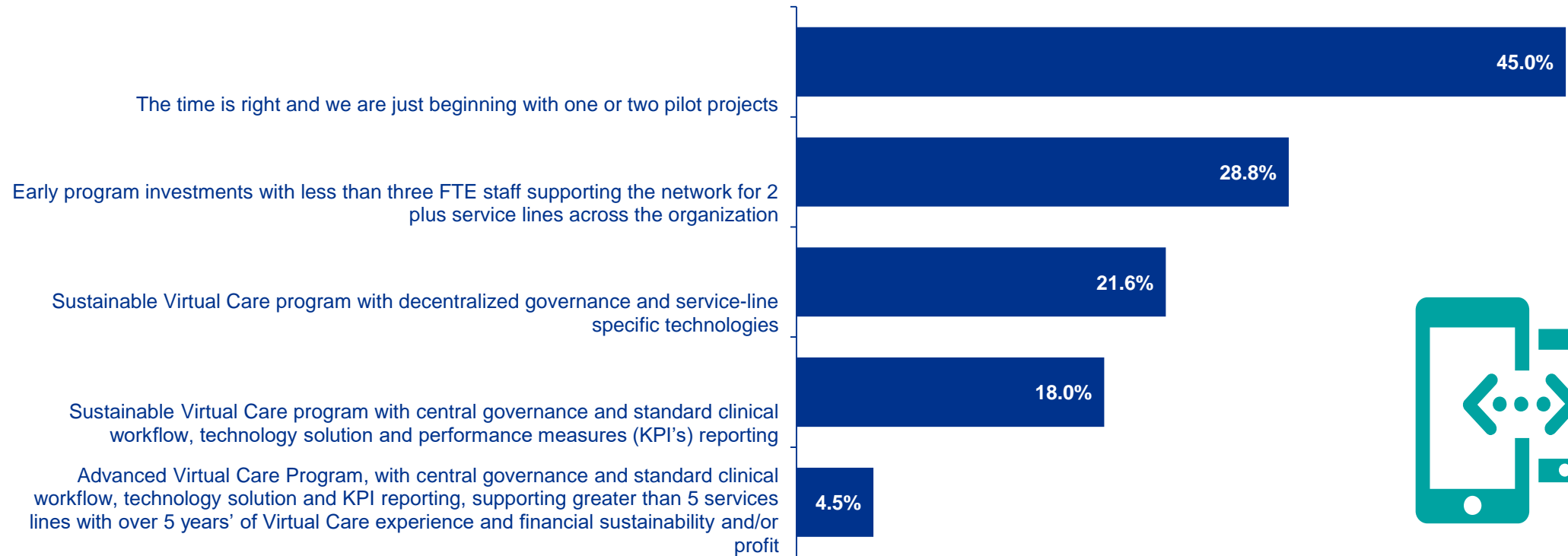
Please rank the priorities in order from 1 to 12 with 1 being the biggest / most urgent priority.



■ 12 ■ 11 ■ 10

Almost 3/4s of organizations have virtual care initiatives in place, with more to come

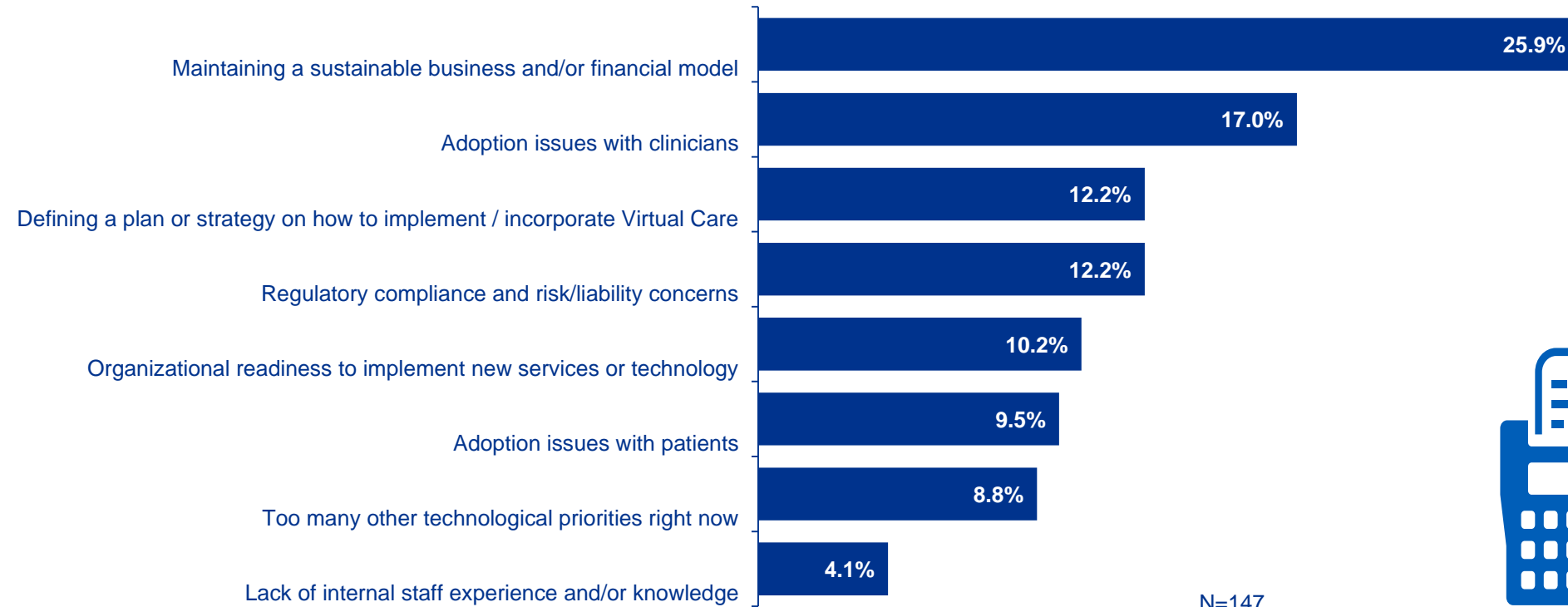
How would you classify the maturity of your Virtual Care initiatives? Please select all that apply.



Maintaining a sustainable business and/or financial model is the biggest challenge for implementing virtual care services

What are the top challenges you face in implementing Virtual Care services?

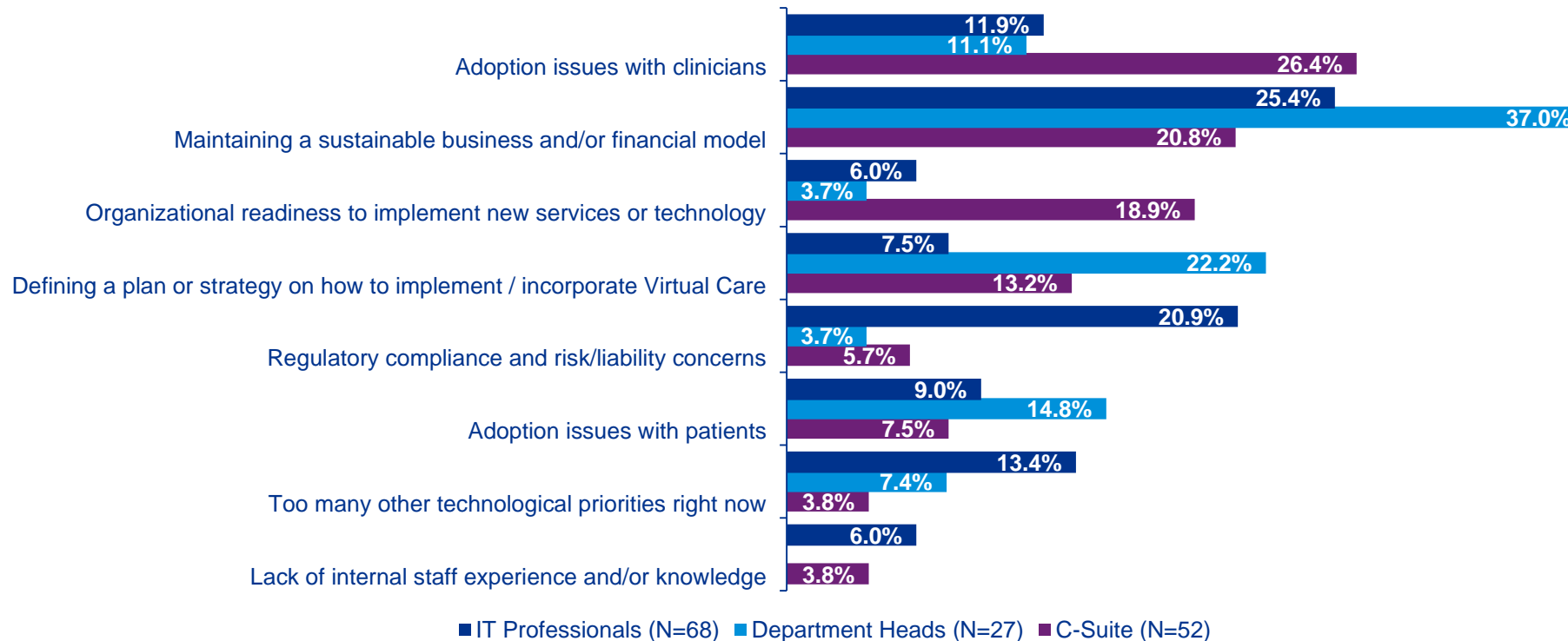
Please rank the top 3 challenges 1 to 3, with 1 being the biggest challenge and 3 being the third biggest challenge. Leave all others blank.



Comparing opinions per participant groupings

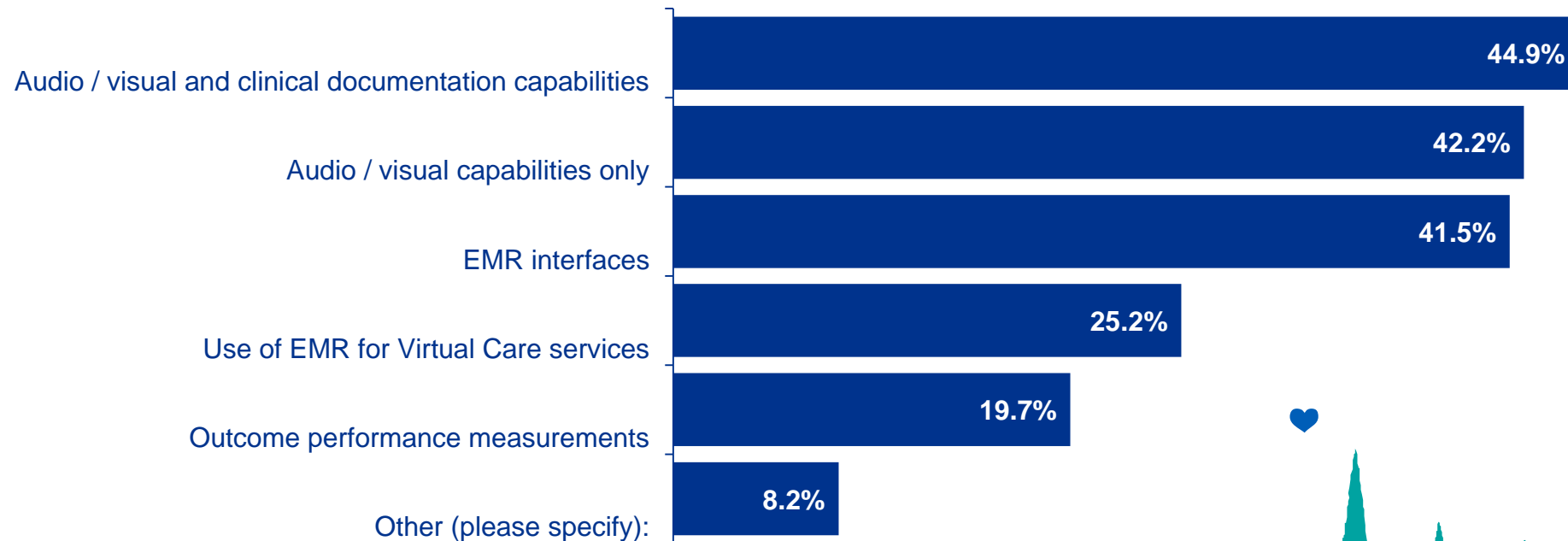
What are the top challenges you face in implementing Virtual Care services?

Please rank the top 3 challenges 1 to 3, with 1 being the biggest challenge and 3 being the third biggest challenge. Leave all others blank.



Audio/visual and clinical documentation capabilities, audio/visual capabilities, and EMRs are offered the most in their virtual care technology

Which of the following does your Virtual Care technology offer?
Please select all that apply.

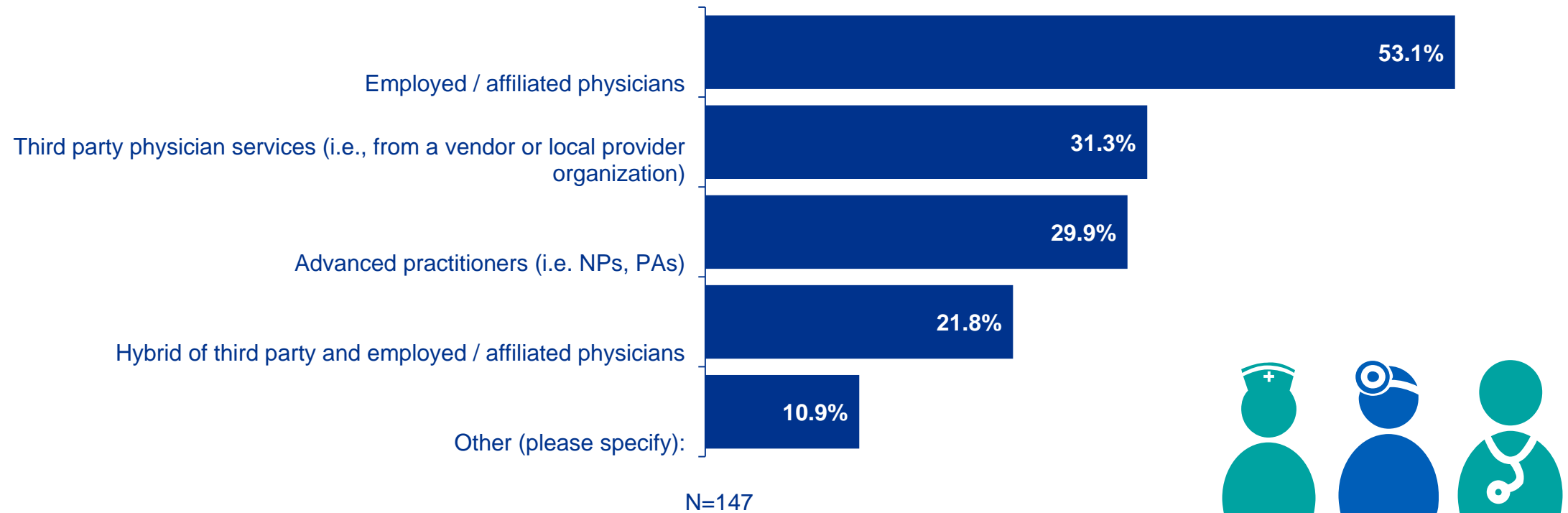


N=147



Most organizations are using their physician network for virtual care

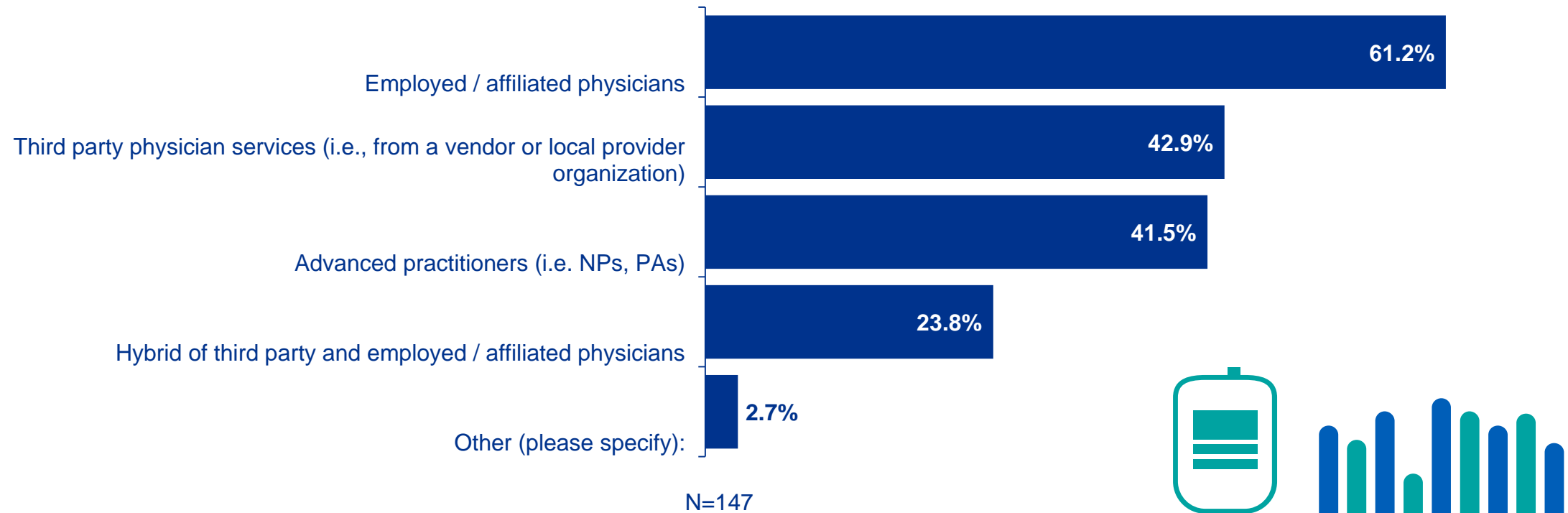
What type of physician staffing model are you using for virtual care?
Select all that apply.



Nearly 2/3s stated they use operational metrics to track their virtual care program

What type of metrics are you tracking for your Virtual Care program?

Select all that apply.

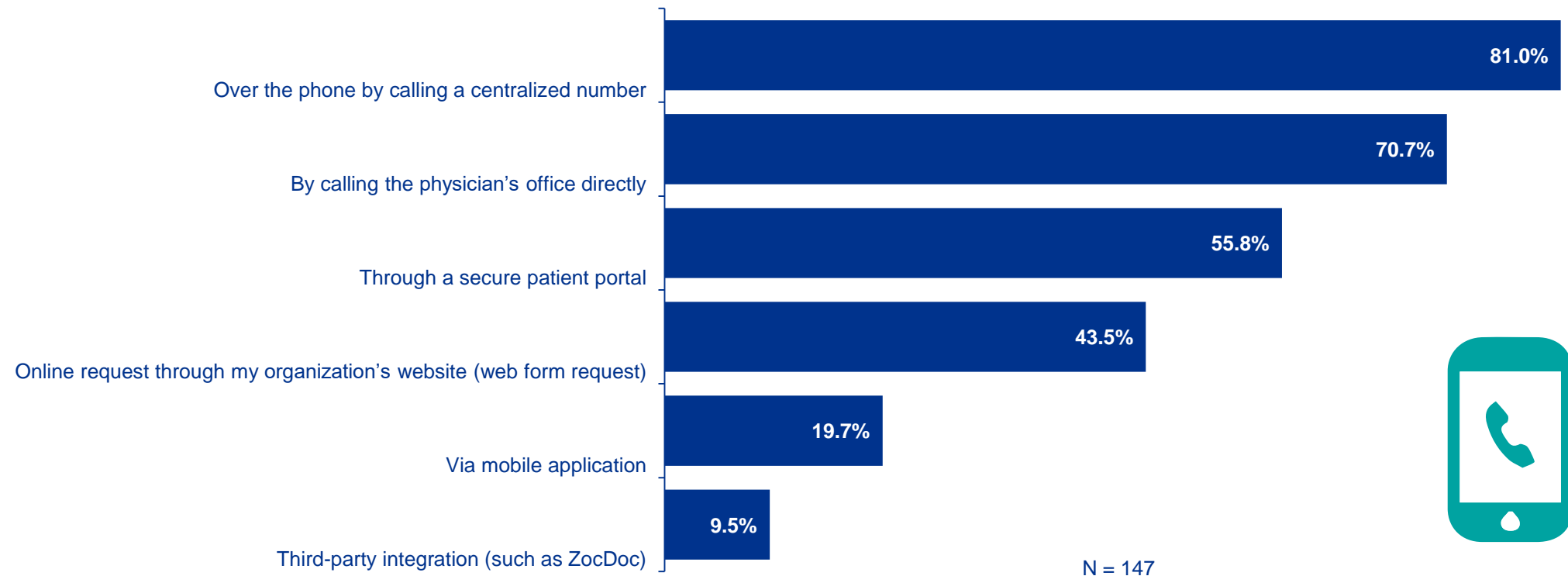




Patient Access

Phone is most often used medium for scheduling appointments

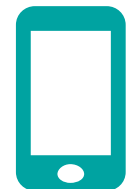
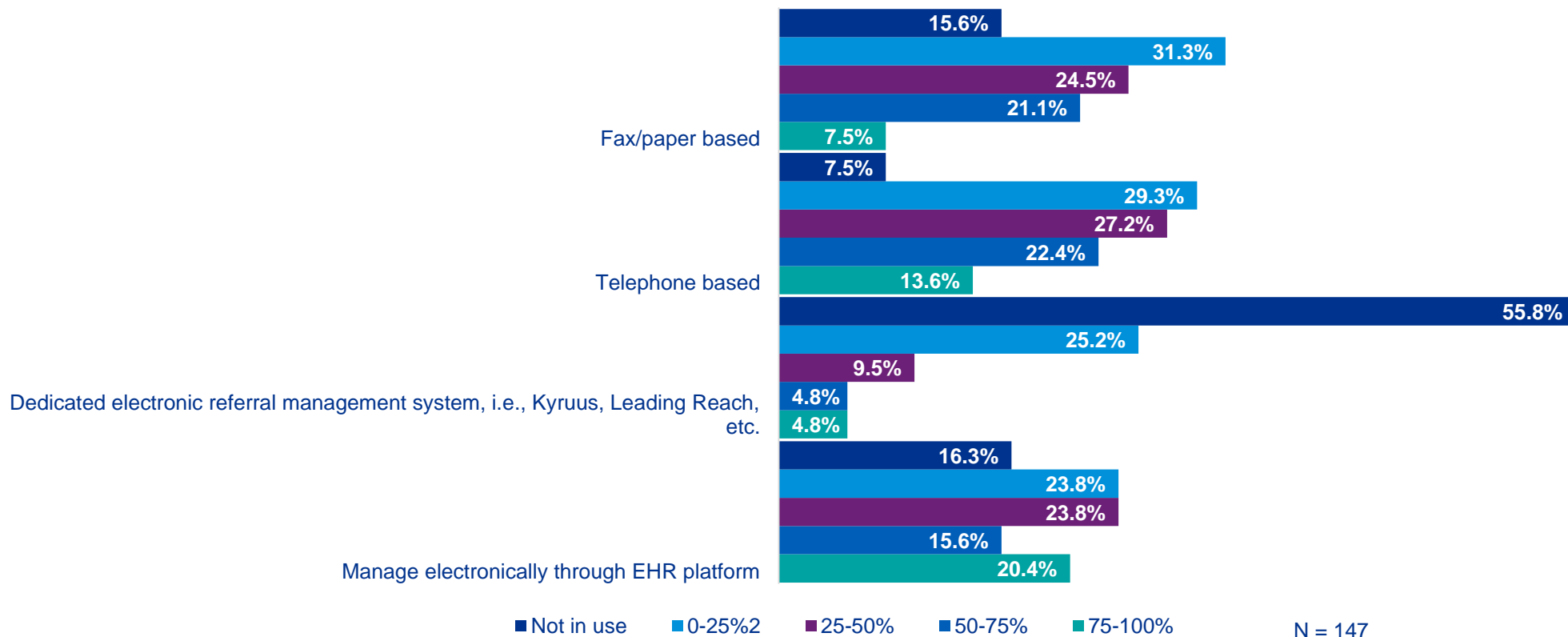
What options do patients have when scheduling an appointment with your health system?
Please select only one.



Over half of the participants stated they are not using a dedicated electronic referral system

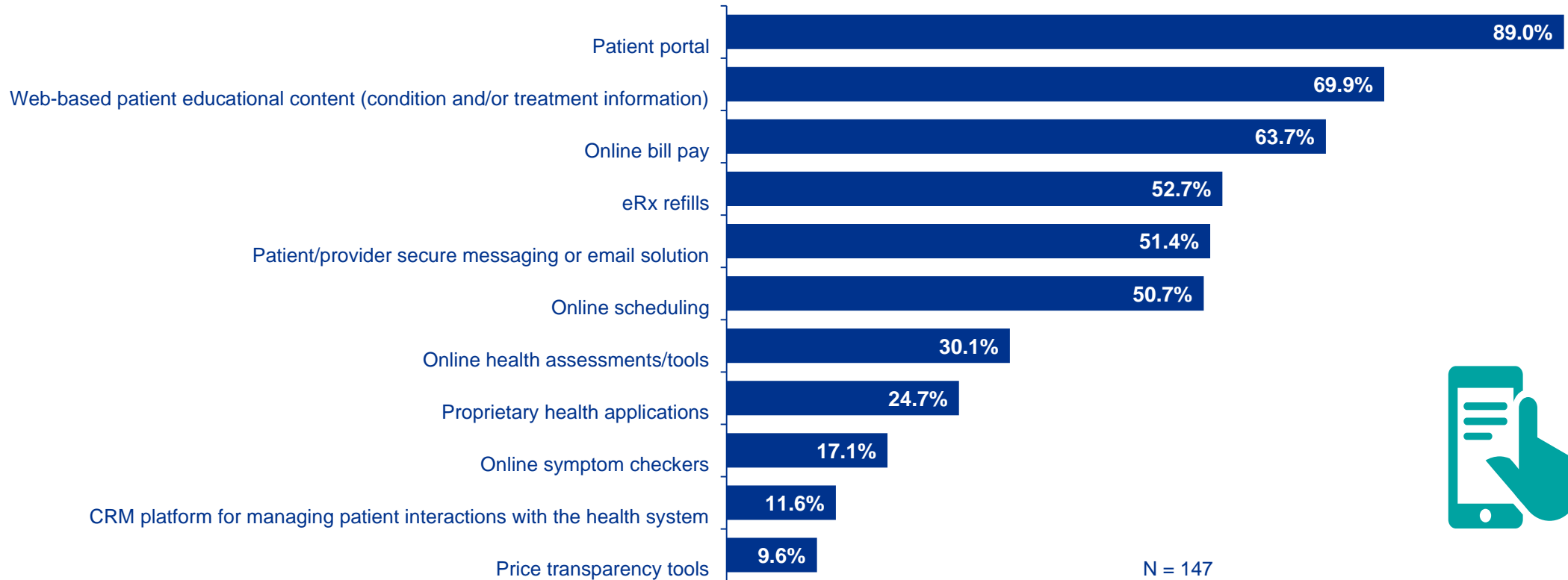
What kind of tools does your organization use to manage referrals electronically?

Please select all tools used and indicate the approximate percentage of referrals captured from that tool.



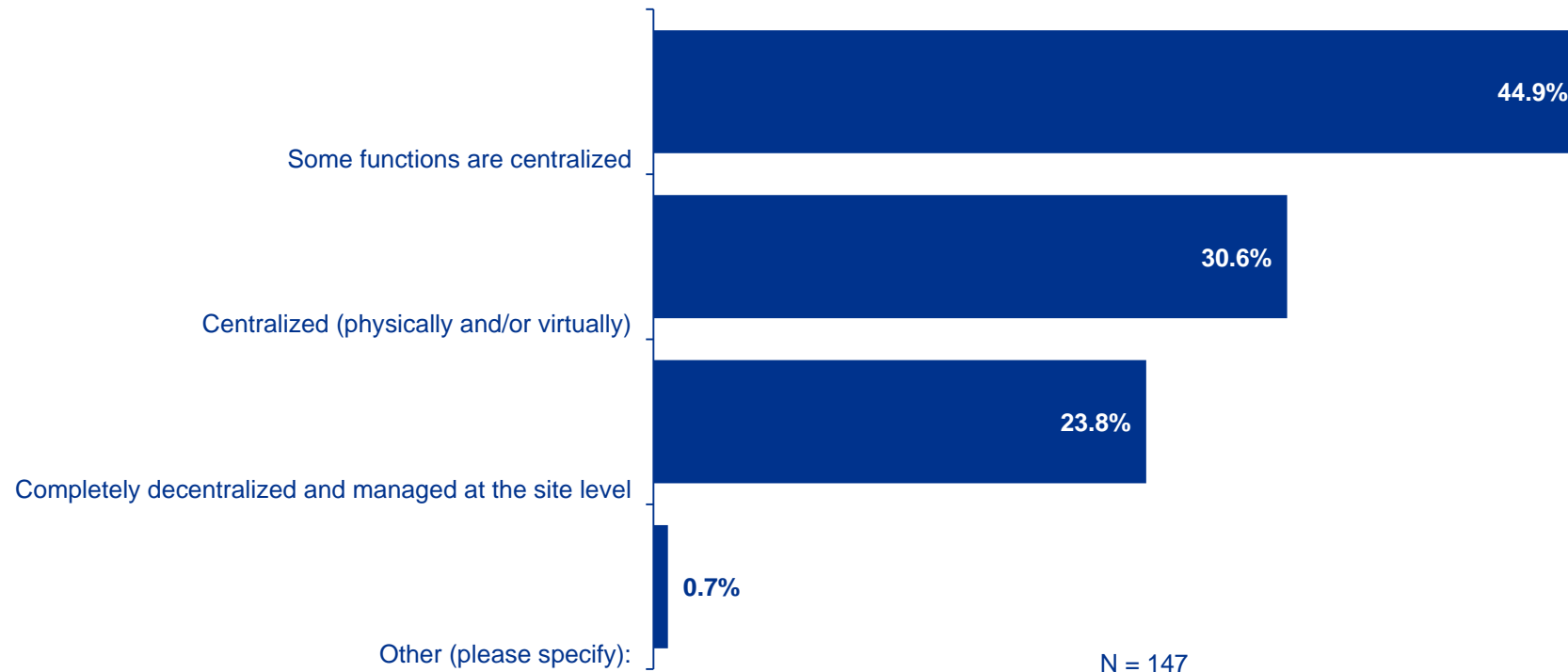
Nearly all the organizations stated they are using a patient portal

What patient-facing tools and resources does your organization use today?
Please select only one.



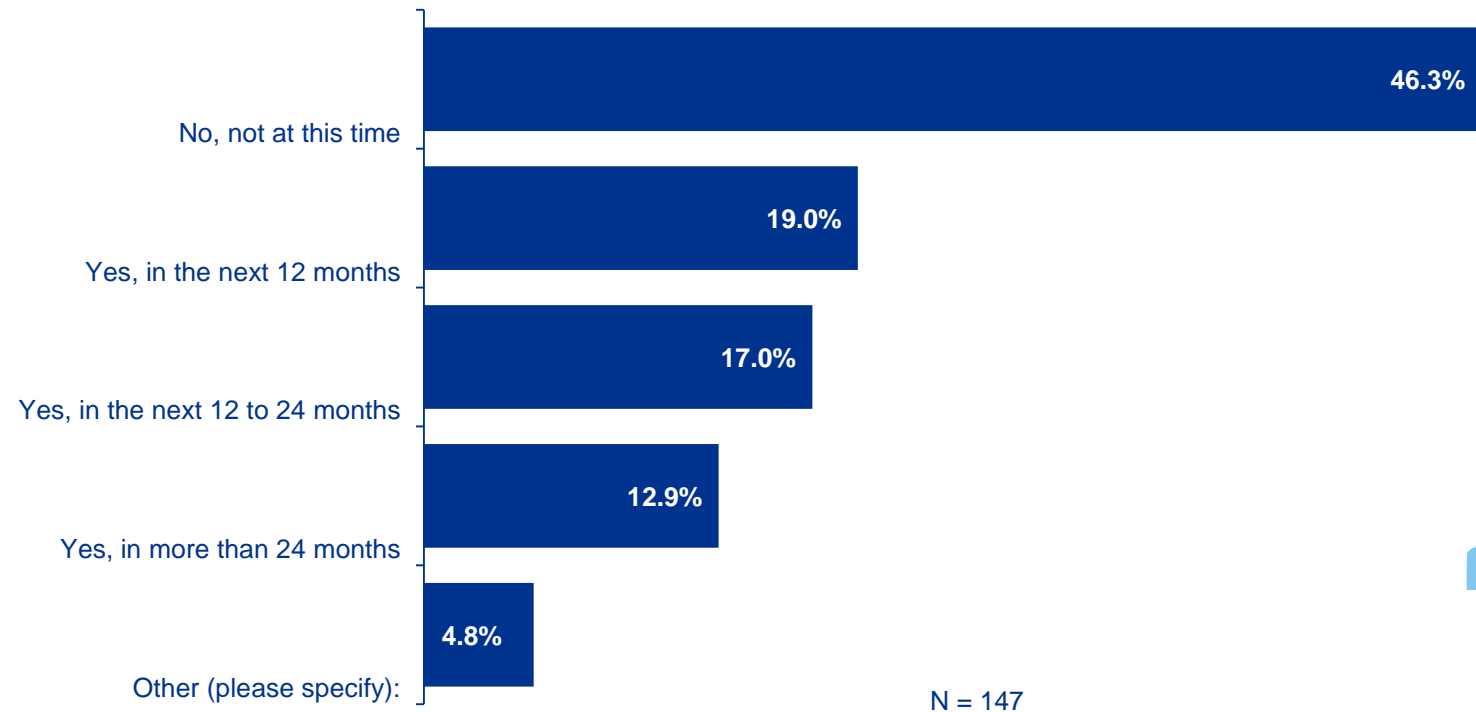
75% of respondents have a centralized call center or some functions are centralized

How is your patient call/contact center organized today?



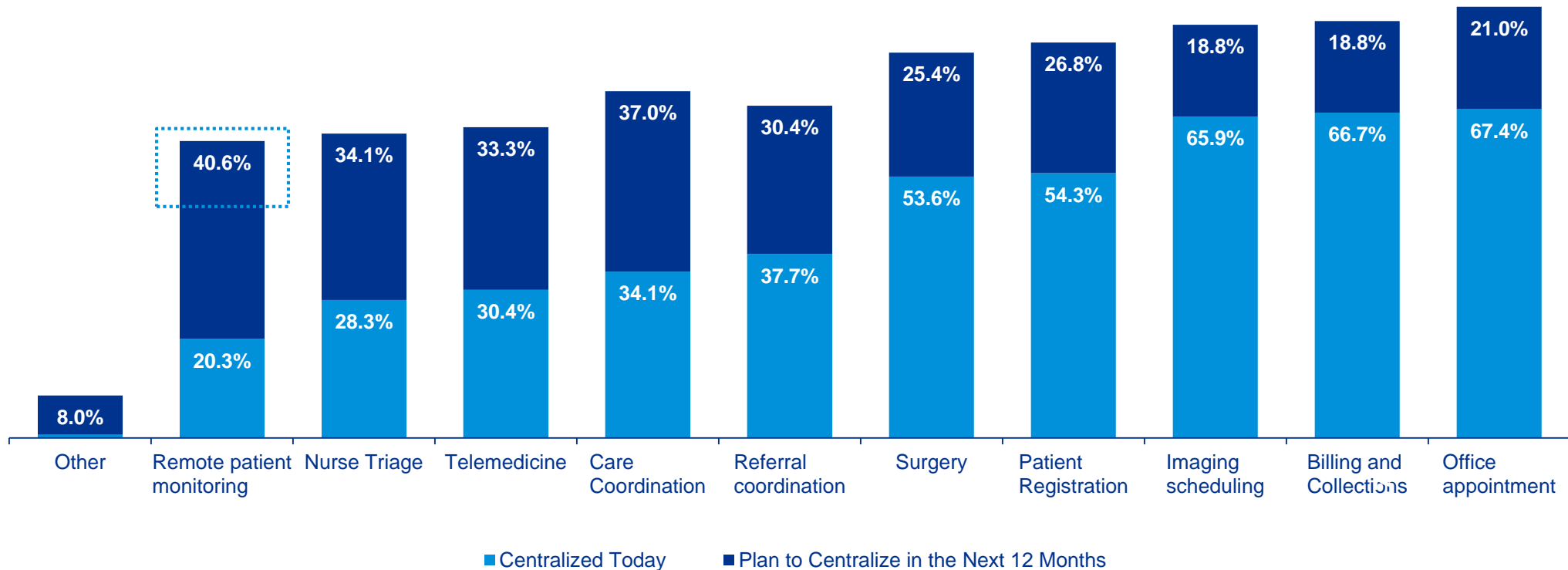
Almost half of organizations have plans to further consolidate their call center

Does your organization have plans to further consolidate/centralize your call center?



Organizations focusing on remote patient monitoring in the next 12 months

Please select the functions that are centralized within your call center today and those that your organization plans to centralize in the next 12 months:





Thank you



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