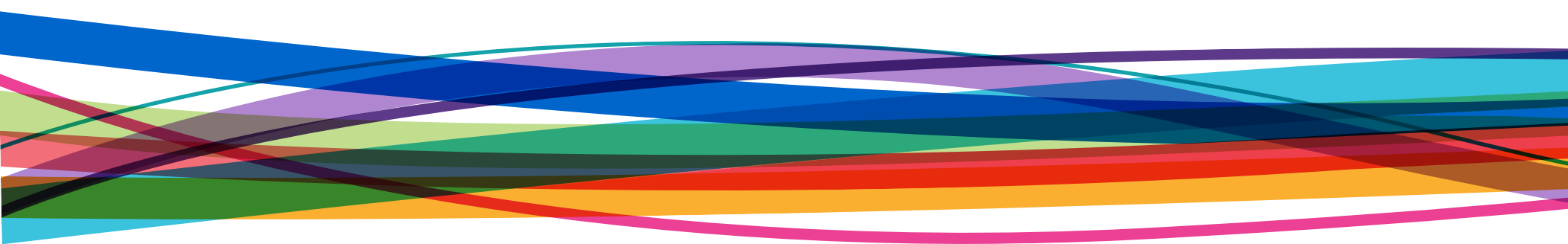NAVIFY® Decision Support portfolio

Tumor Board

Make the most informed personalized treatment decisions possible

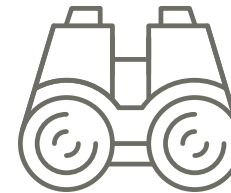by leveraging innovative technologies and the latest scientific and clinical data

NAVIFY®

Discover NAVIFY Tumor Board

What if you could empower your multidisciplinary teams to make informed, personalized treatment strategies and care decisions possible for your patients?

With NAVIFY Tumor Board, now you can.

Learn how NAVIFY Tumor Board can enable
your oncology care and IT teams to:

- Save valuable time in logistics and tumor board meeting coordination

- Effectively present relevant data

- Optimize treatment strategies for each patient

- Invest in purpose-built technologies and expertise to support compliance

- Connect NAVIFY portfolio seamlessly with your institution's IT landscape

What's Inside

NAVIFY®

Save valuable time in tumor board coordination and patient case preparation

Caring for cancer patients is a team effort, and tumor boards, or multidisciplinary team (MDT) meetings, help increase the survivorship rates of patients with many different types of cancer.[1] However, care teams face two main challenges in meeting tumor board potential.

Tumor board preparation can be inefficient and cumbersome.

Relevant patient data resides in disparate systems and inconsistent formats. Clinicians do not have adequate time to gather patient information for tumor board preparation from sources, such as:
- Electronic medical records (EMRs)
- Lab results
- Radiology picture archiving and communication systems
- Pathology reports

Each tumor board meeting also involves time-consuming administration. The meeting must be organized and coordinated among the participants, including oncologists, pathologists, surgeons, radiologists and nurse navigators.

Rapidly evolving medical knowledge and technology compounds the complexity of treatment decisions.

The volume of scientific research, treatment and oncology knowledge is growing at an exponential rate. However, finding all of the relevant data, let alone making sense of it, can be overwhelming.

In addition, the quality of treatment decisions is influenced by whether:
- The tumor board has access to up-to-date data
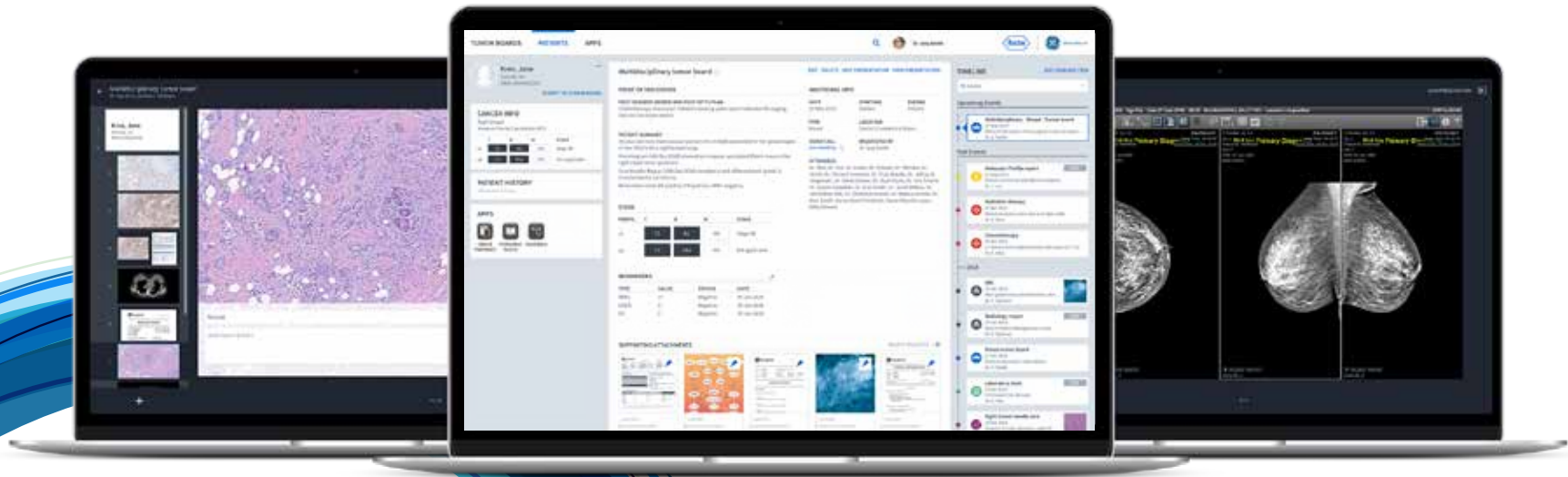- The data is presented so the team can better collaborate on available treatments and therapies

47%
of health systems report oncologists
spend one to two hours to prepare
a complex case for tumor board review.[2]

80%
**oncology leaders expect real-world
outcomes from aggregated data**
to be extremely important
in guiding physician decision-making.[2]

NAVIFY®

Streamline workflow and effectively present relevant data with NAVIFY Tumor Board

NAVIFY Tumor Board is a cloud-based workflow solution that securely integrates and displays relevant aggregated data into a single, holistic patient dashboard for oncology care teams to review, align and decide on the optimal treatment for the patient.

What is NAVIFY portfolio?

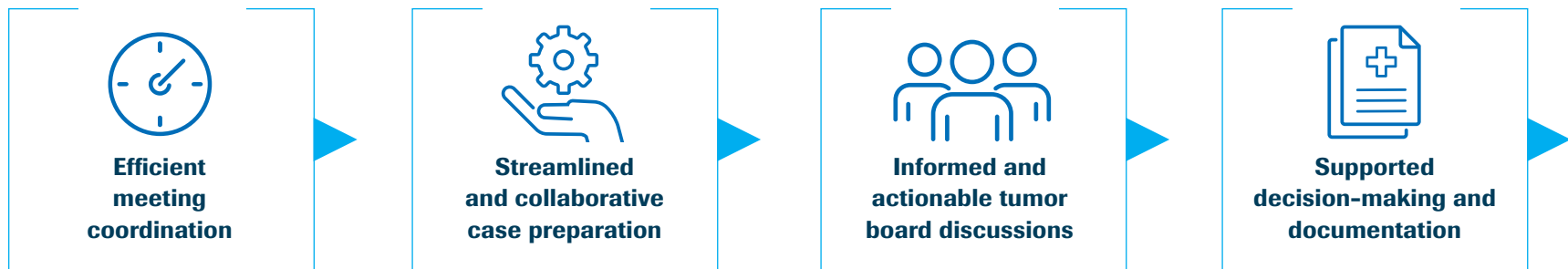An enterprise-class suite of solutions that empower the global healthcare community

NAVIFY portfolio advances personalized healthcare by aggregating patient information, relevant data, clinical evidence and analytics. NAVIFY portfolio enables your institution to deliver informed strategies and decisions in an era of infinitely expanding medical knowledge and technology. Learn more at **navify.com.**

Optional Clinical Decision Support apps, such as NAVIFY Guidelines released in collaboration with GE Healthcare, NAVIFY Clinical Trial Match* and NAVIFY Publication Search* extend the functionality of NAVIFY Tumor Board with additional, up-to-date, patient-specific content.

*Powered by MolecularMatch, Inc.

NAVIFY®

NAVIFY Tumor Board improves efficiencies and user satisfaction throughout end-to-end tumor board workflow

NAVIFY Tumor Board can decrease tumor board preparation time for oncologists by as much as 53%. In addition, NAVIFY Tumor Board provides a better user experience that results in higher user satisfaction than the previous tumor board standard.[3]

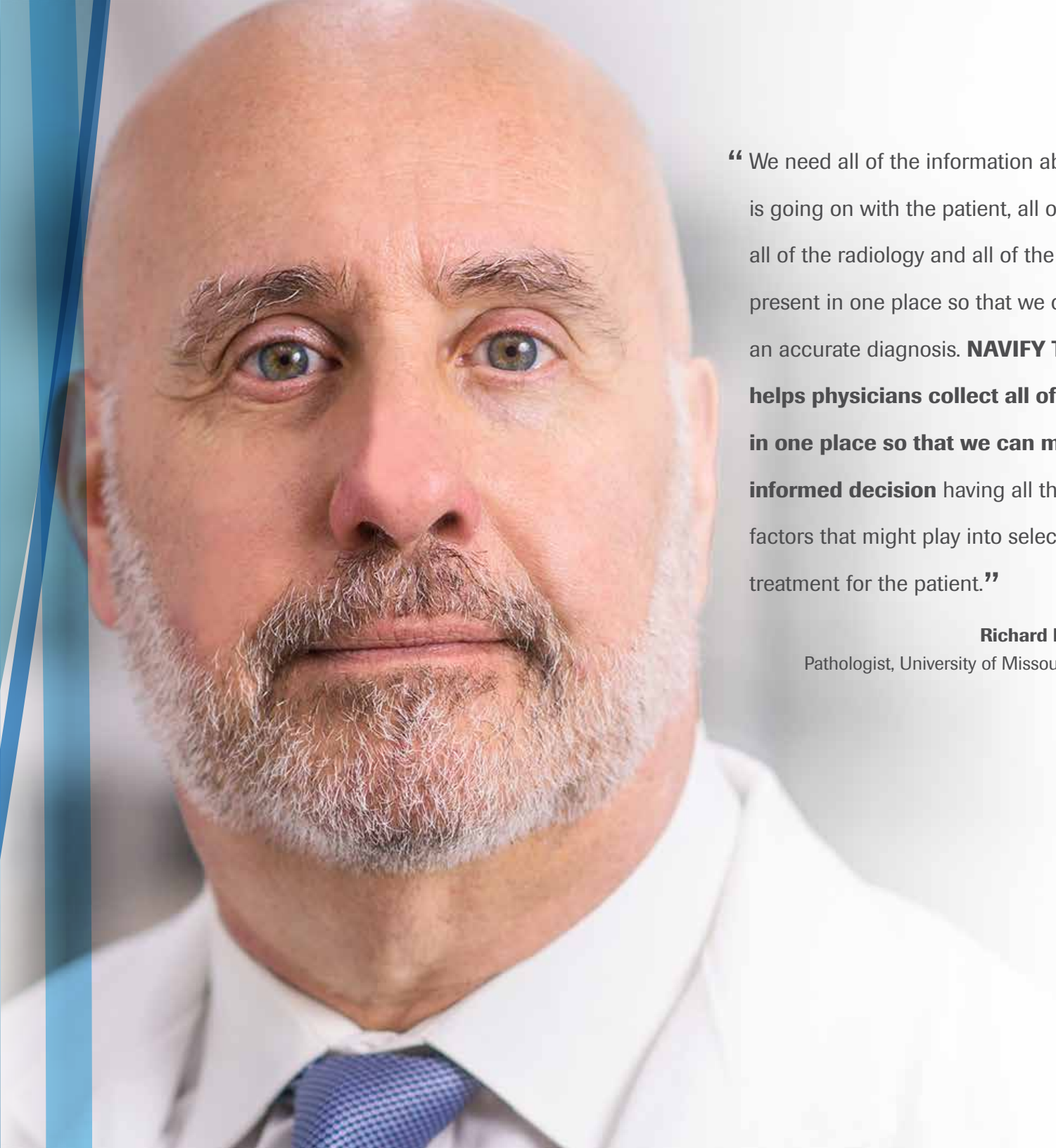| Efficient meeting coordination	Streamlined and collaborative case preparation	Informed and actionable tumor board discussions	Supported decision-making and documentation

- Prepare ahead of time–submit patients for discussion in advance of tumor board
- Easy coordination of all meeting logistics
- It's simple to reschedule cases when information is missing
- Capture meeting decisions and feedback with live edits to patient cases

- Securely aggregates relevant patient data into one cohesive dashboard
- Integrates with EMR and other data sources to save time and minimize human error
- Enables remote access and concurrent team collaboration
- Quickly access personalized therapies, guidelines and clinical trials via Clinical Decision Support (CDS) apps

- Get a holistic view of patient and relevant scientific data all in one place
- See real-time guidelines, publications and clinical trial matches via CDS apps
- Capture meeting decisions and feedback with live edits to patient cases
- Facilitates remote participation in tumor boards
- Standardize the format and flow of case presentations and discussions

- Clinical Decision Support apps support confident, evidence-based decision-making
- Facilitate multidisciplinary team alignment on treatment decisions
- Document treatment plan and easily send decisions to EMR for follow-up
- Supports consistent tracking of treatment decisions and next steps
- Keep your tumor board history in one place for easy reference

NAVIFY®

" We need all of the information about what is going on with the patient, all of the studies, all of the radiology and all of the lab tests present in one place so that we can make an accurate diagnosis. **NAVIFY Tumor Board helps physicians collect all of the data in one place so that we can make an informed decision** having all the different factors that might play into selecting the best treatment for the patient."

Richard Hammer, MD
Pathologist, University of Missouri Health Care

NAVIFY®

Challenges of bringing precision medicine into routine clinical care

Advancements in precision medicine and genomic sequencing technologies are paving the way for a more personalized approach to treatment. Increasingly, clinicians are starting to integrate genomic data at the point-of-care to tailor and optimize treatment decisions to each patient.

Still, a few challenges remain.

Actionability and Complexity of Care

Precision oncology requires the analysis and interpretation of a high-volume of genomic data, yet only some of it are clinically actionable. Significant knowledge gaps exist in this rapidly evolving field, especially as the list of biomarkers, targeted therapies and clinical trials grows exponentially. More than ever, clinicians need to rely on multidisciplinary teams and decision support tools to decode and apply genomic data to personalized treatment decisions.

Importance of a holistic view of the patient

Cancer is a complex disease with multiple underlying causes and factors. Genomics data is only one piece of the puzzle. Combining genomic data with other patient data provides a more complete picture and allows clinicians to determine the optimal treatment approach. Digital healthcare solutions that enable the aggregation and presentation of genomics data alongside other patient data, and surface the most clinically actionable insights for consideration, will help move precision medicine forward.
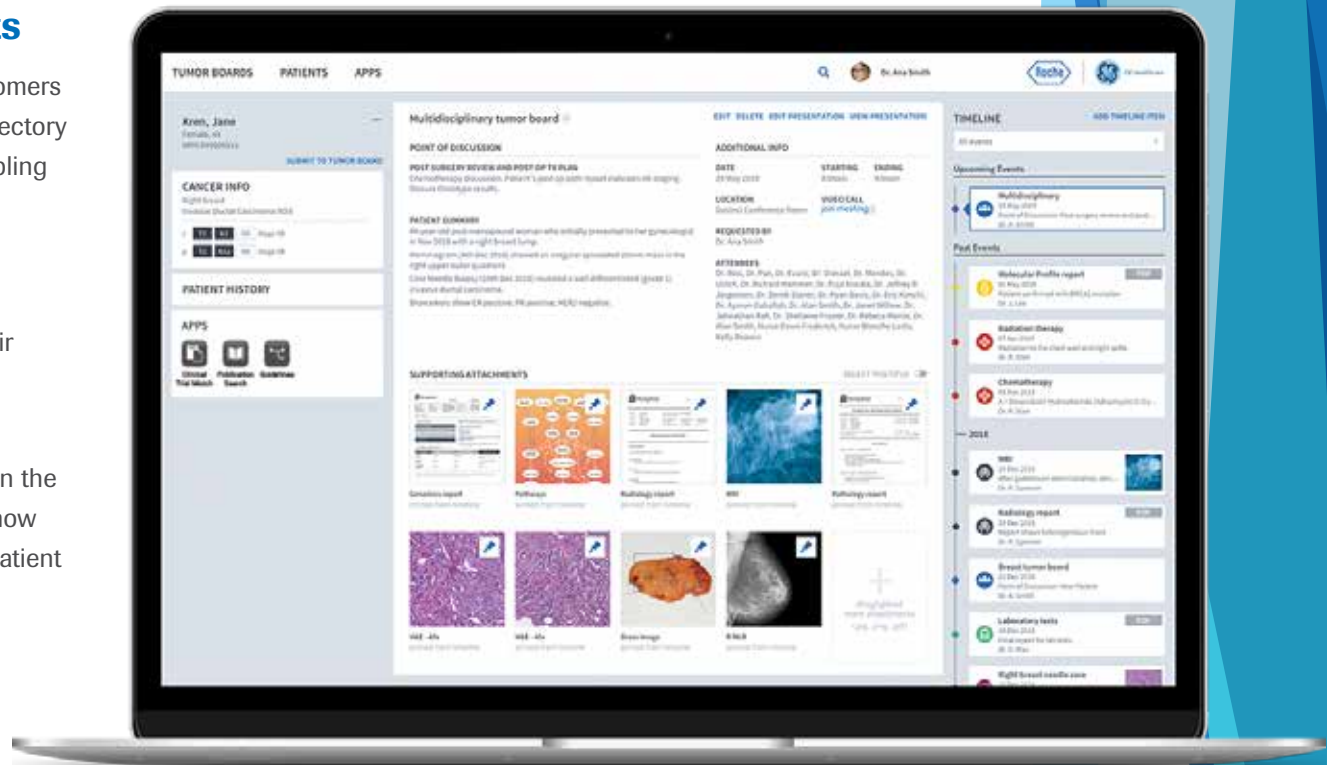
In 2020, medical knowledge is expected to **double every 73 days.**[4]

NAVIFY®

NAVIFY Tumor Board empowers care teams to tailor and optimize treatment strategies for each patient

NAVIFY Tumor Board enhances user experience by featuring relevant patient data in a singular dashboard. This holistic view of the patient empowers multidisciplinary teams to have more informed discussions and personalize treatment approaches for each patient.

Key Features and Benefits

- Active Directory (AD) Integration: Customers will be able to integrate their Active Directory service with NAVIFY Tumor Board, enabling seamless use of login credentials used throughout the health system.

- Enables clinicians and oncologists to leverage the ICD-O-3 dictionary for their patient reviews and notes.

- Tumor Board Timeline Event layout improvements: The order of the fields on the tumor board timeline events screen is now more consistent with cancer info and patient history screens.

NAVIFY®

Extend the power of NAVIFY Tumor Board

NAVIFY Clinical Decision Support apps ecosystem makes valuable information easily accessible and shareable so oncology care teams can make more informed, personalized treatment strategies and patient-care decisions.

Each app seamlessly integrates information from trusted resources to provide unbiased data within NAVIFY Tumor Board.

NAVIFY Guidelines app

- Use digitized National Comprehensive Cancer Network Clinical Practice Guidelines in Oncology (NCCN Guidelines®) in a decision tree or step progression; released in collaboration with GE Healthcare
- Review and record patient diagnostic and treatment paths against the latest NCCN Guidelines®
- Specify alternative treatment pathways and record non-adherence rationale

NAVIFY Clinical Trial Match app*

- Identify clinical trial opportunities based on patient condition, genomic alterations, institution or postal code
- Query ClinicalTrials.gov, European Medicines Agency and Japan Medical Association Center for Clinical Trials with embedded instructions
- Determine patient eligibility with clear display of trial inclusion/exclusion criteria and trial rationale

NAVIFY Publication Search app*

- Mine PubMed, American Society of Clinical Oncology and American Association of Cancer Research for literature specific to the patient's condition and genomic alterations
- Use embedded instructions to search by cancer type and stage, genomic alterations, patient demographics and biomarkers
- Generate results in seconds** from more than 858,000 publications

Additional solutions and apps are in development. For the latest information, please visit **navify.com/apps**.

NAVIFY®

" Developing better, kinder treatments and improving care relies on research, so it is vital that more patients are offered the opportunity to be involved. **There is a strong argument for a more robust process for checking whether a patient is suitable for a clinical trial.** Multidisciplinary team meetings are well placed to support this process. "

Cancer Research UK, Recommendation 2017[5]

81%
of multidisciplinary team (MDT) members believe that using a pro forma or standardized workflow for the review of complex cancer cases would have a beneficial impact on the efficiency of the MDT meeting.[5]

48%
of MDT members say their institution has a process in place sufficient for improving their MDT's effectiveness.[5]

NAVIFY®

Purpose-built technology
and expertise to support compliance —
now and into the future

NAVIFY Platform safeguards and manages sensitive patient data accessible through NAVIFY Tumor Board and Clinical Decision Support apps.

Roche recognizes the importance of incorporating privacy and security principles in our product development process and **has designed NAVIFY Tumor Board to operate in accordance with the laws and regulations, including HIPAA (US) and GDPR (EU),** of each jurisdiction where it is available.

In addition, NAVIFY Tumor Board has obtained ISO 27001, ISO 27017 and ISO 27018 certifications.

See how NAVIFY Tumor Board is built with industry-leading technology to keep personal data (per GDPR) and protected health information (per HIPAA) secure and private.
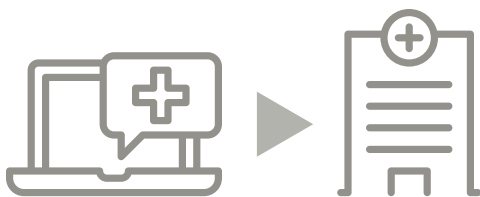
Learn more at **navify.com.**

Robust attention to your compliance responsibilities ensures changing security needs are continuously met.

NAVIFY®

Connect NAVIFY Tumor Board seamlessly
with your institution's IT landscape

As part of NAVIFY portfolio, the powerful and resilient NAVIFY Tumor Board requires thoughtful implementation and integration with your other platforms. Because each institution is unique in its IT topography, implementation begins with thorough planning to successfully build the interface between your institution and NAVIFY Tumor Board architecture.

This is achieved by leveraging the Roche Project Implementation Excellence (PRIME) methodology, based on best practices established by the Project Management Institute. To ensure smooth, straightforward implementation, our team employs a single point of contact backed by dedicated, certified project managers and Lean Six Sigma practitioners. We strive for complete customer satisfaction, anticipating your every question and need.

Get ready to implement

Learn how we can seamlessly implement NAVIFY Tumor Board into your healthcare institution.

Learn more at **navify.com**.

Key IT Discusssion Topics

1. Active Directory Integration

2. EHR/EMR Data Integration
  patient history
  patient reports
  lab results
  therapy history
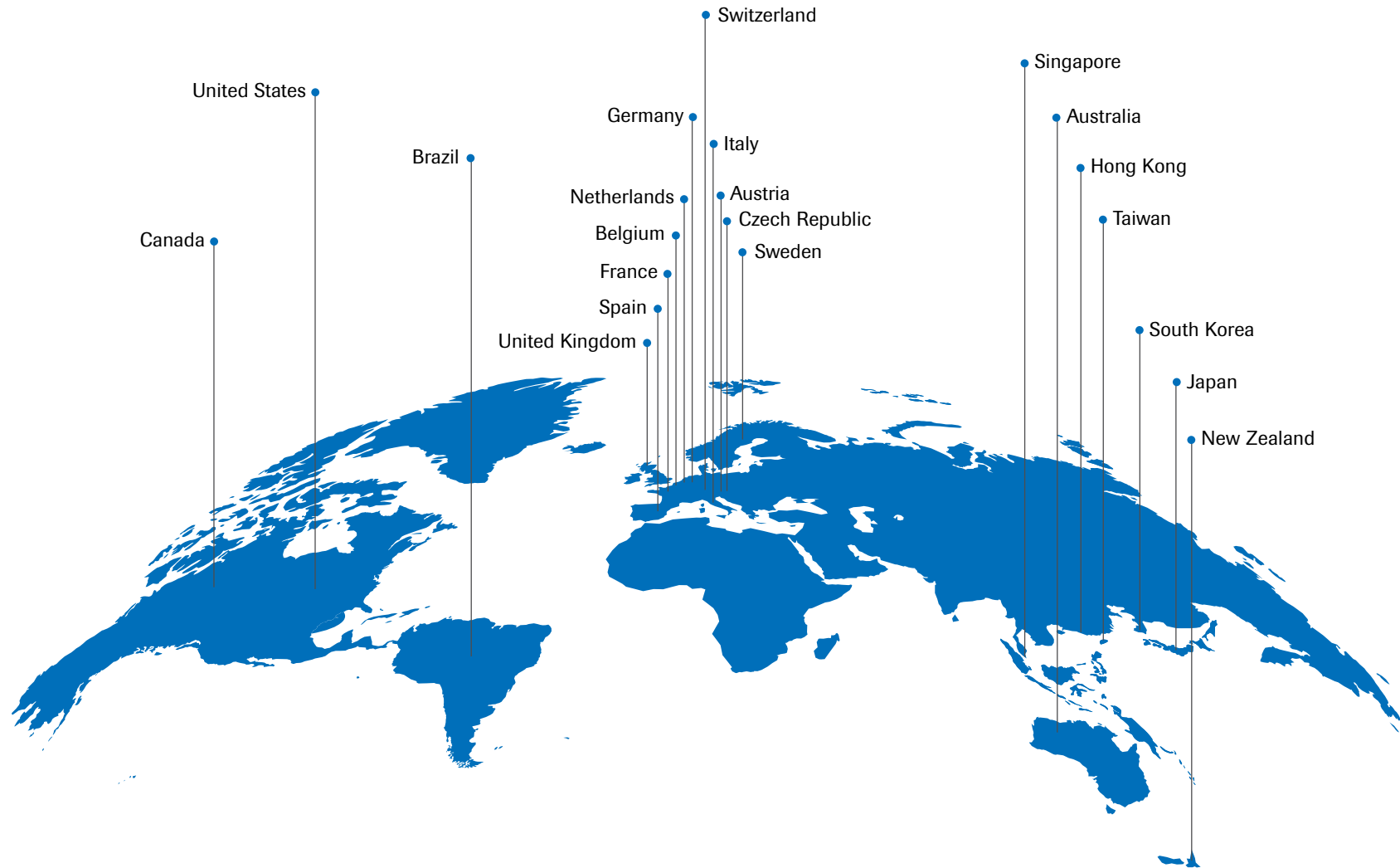
3. PACS Integration/linking

NAVIFY®

" **All the information is more complete.**

As a radiologist, I can select the key

images I want to present, and use

[NAVIFY Tumor Board] like a checklist,

seeing what tests and procedures are done,

or still need to be done. **In one shot,**

I'll see what the tumor board has to do. "

Ana Rodriguez, MD
Radiologist, Hospital del Mar, Barcelona, Spain

NAVIFY®

NAVIFY Tumor Board is currently
available in these locations

Switzerland

Singapore

United States

Germany

Australia

Italy

Brazil

Hong Kong

Netherlands

Austria

Czech Republic

Taiwan

Belgium

Sweden

Canada

France

Spain

South Korea

United Kingdom

Japan

New Zealand

NAVIFY®

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Roche | GE Healthcare

Advancements with NAVIFY technology and data

For more than 120 years, Roche has been a globally recognized healthcare leader. Our legacy makes us a trusted source of medical insights and knowledge. We partner with you in a committed strategy to expand what's possible for your institution and your patients.

By building digital healthcare technologies, such as NAVIFY portfolio, acquiring access to companies, such as Viewics and Flatiron Health, and allying with industry experts such as GE Healthcare, we are doing now what our clients need next to enable decision support, personalized healthcare and value-based medicine.

Improve your oncology workflow today

Contact your Roche account manager or visit **navify.com.**

[1] Prades J., E. Remue, E. van Hoof and J.M. Borras. (April 2015). "Is it worth reorganising cancer services on the basis of multidisciplinary teams (MDTs)? A systematic review of the objectives and organisation of MDTs and their impact on patient outcomes." Health Policy 119(4):464–474.

[2] Stahl, Melissa. (November 15, 2017). "Precision Medicine at Leading Health Systems: Challenges, Opportunities, and the Role of Technology." The Health Management Academy. https://academynet.com/knowledge-article/precision-medicine-leading-health-systems-challenges-opportunities-and-role (accessed July 3, 2018).

[3] Journal of Pathology Informatics, "A new software platform to improve multi-disciplinary tumor board workflows and user satisfaction: A pilot study," July 2018.

[4] https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3116346/ - accessed on Jan 29, 2019.

[5] Rose Gray, Ben Gordon, Mike Meredith, "Meeting Patients' Needs Improving the Effectiveness of Multidisciplinary Team Meetings In Cancer Services", Cancer Research UK, January 11, 2017, https://www.cancerresearchuk.org/sites/default/files/full_report_meeting_patients_needs_improving_the_effectiveness_of_multidisciplinary_team_meetings_.pdf (accessed September 17, 2018).

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