Aims

1. Intention
2. Working group and contributors
3. Development process
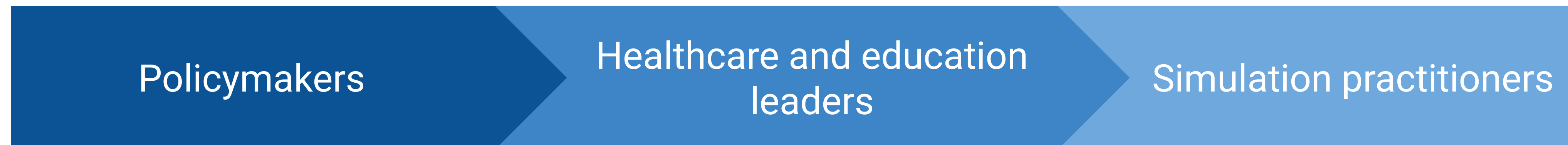4. The statement
5. Publications
6. Other resources
7. Q+A

Intention

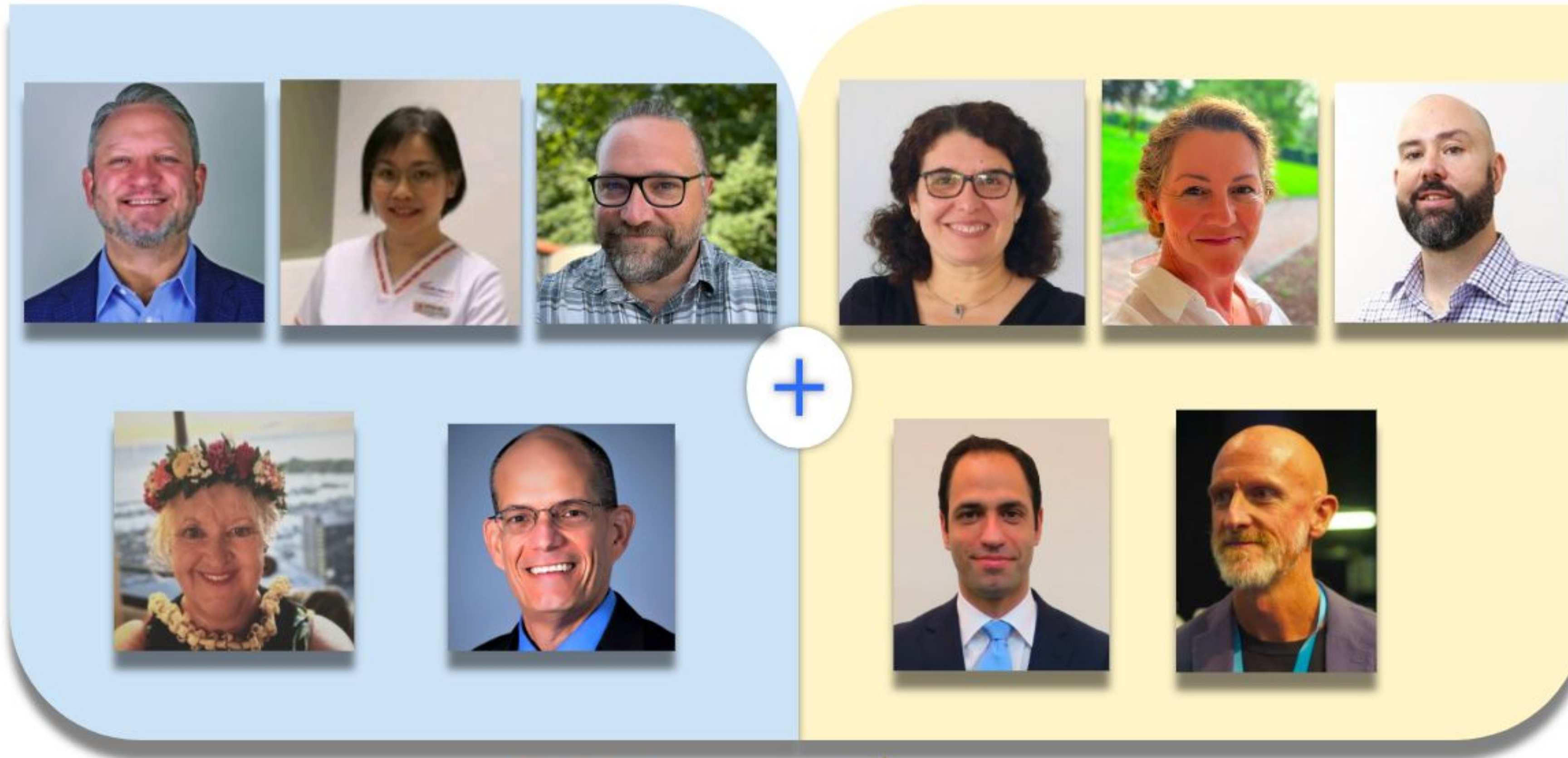To articulate a global perspective

➢ on the existing scope of simulation-based practice

➢ its crucial role in enhancing healthcare practices and education

➢ its broad impact

➢ recommendations for its widespread adoption to benefit patients and healthcare workforces globally.

Developed for

| Policymakers | Healthcare and education leaders | Simulation practitioners |

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Working group

Contributors

Representatives of

50 simulation societies/networks
67 countries

➢ Structured online and
  face-to-face meetings
➢ Surveys
➢ Emails

Development process

Sept 2023
Establishment of working group
Process
Timeline
First draft

Nov 2023
Consultation 1
Virtual meetings

Jan 2024
Consultation 2
F2F at IMSH
Survey
Discussions

Feb 2024
Consultation 3
Peer review by all contributors

March 2024
Final draft

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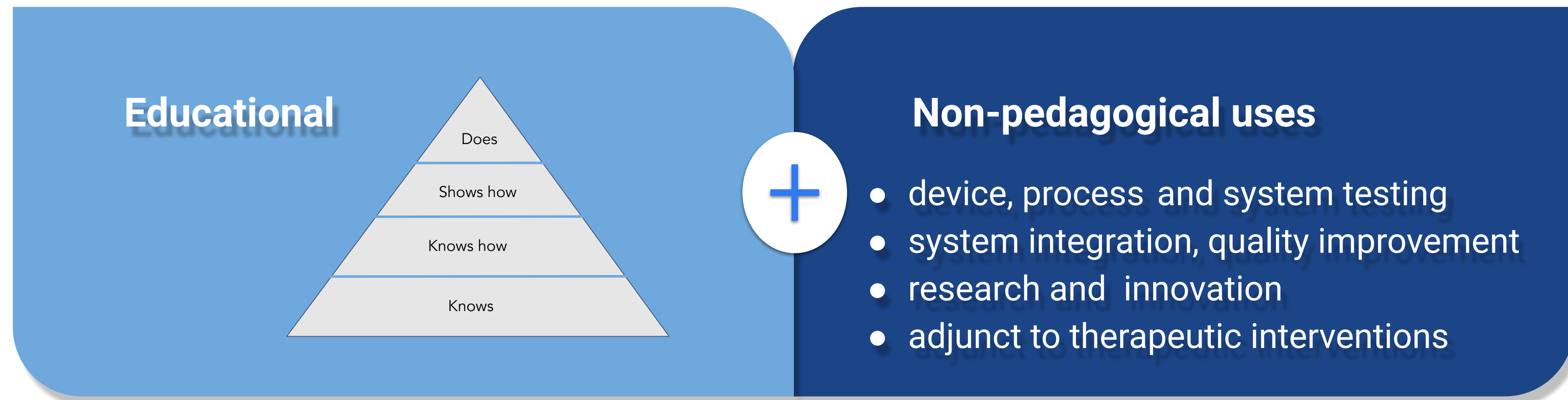IMPROVED HEALTHCARE THROUGH SIMULATION

The statement

Current state of simulation practice in healthcare
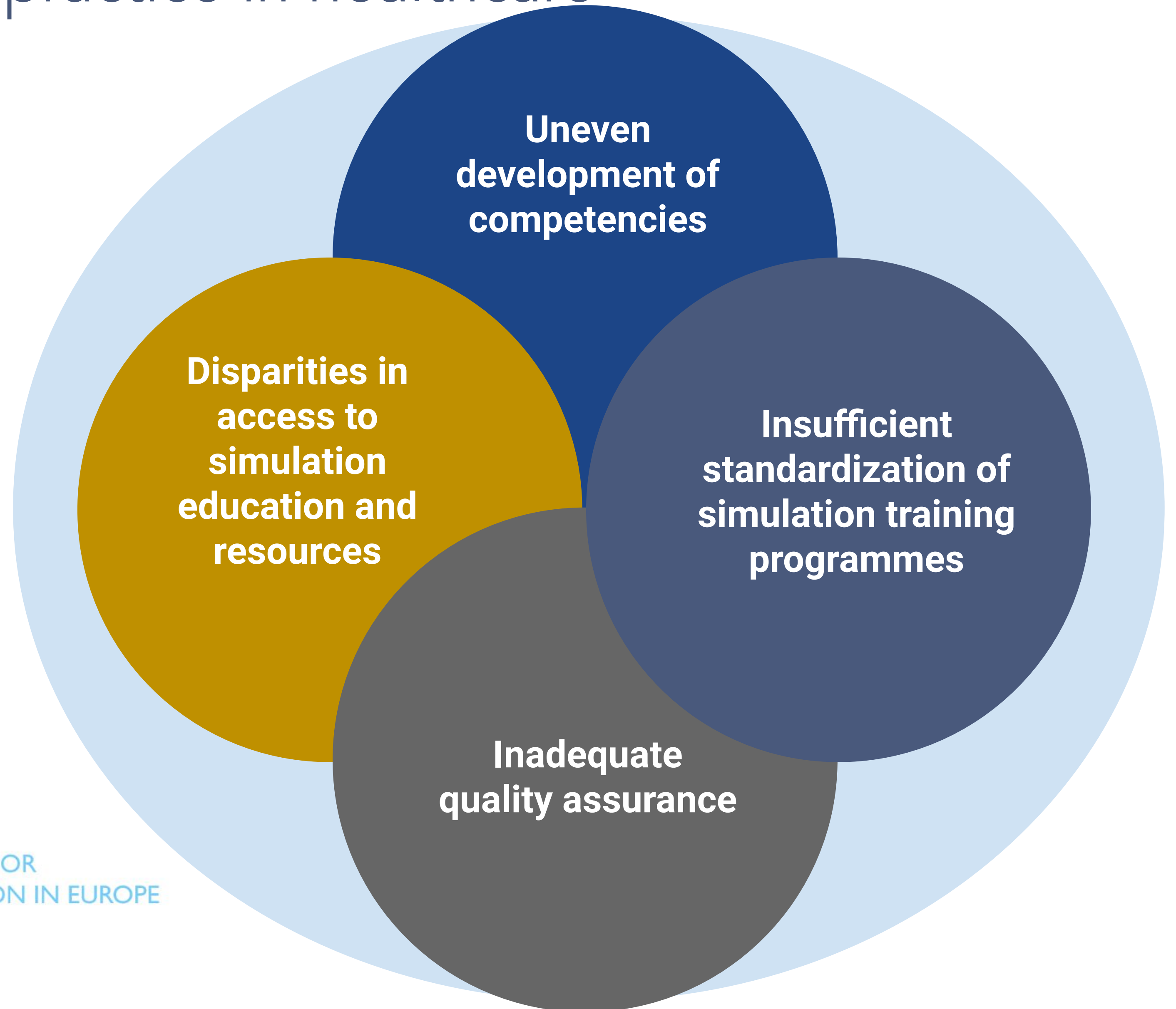
◆ Healthcare simulation:
- wide array of tools and practices
- used across all clinical disciplines and allied professions

Educational

Does

Shows how

Knows how

Knows

+

Non-pedagogical uses

- device, process and system testing
- system integration, quality improvement
- research and innovation
- adjunct to therapeutic interventions

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Current state of simulation practice in healthcare

◆ Universal challenges

Uneven development of competencies

Disparities in access to simulation education and resources

Insufficient standardization of simulation training programmes

Inadequate quality assurance

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Simulation as a tool to overcome global healthcare challenges

- helps reduce **education inequities**, leading to reductions in **mortality and morbidity** in low-resource areas
- supports improvements in **patient experiences**
- contributes to the optimization of healthcare **processes and systems**
- enhances organizational **safety culture**
- can be be cost-effective and successful in enhancing **team performance**
  - prepares clinicians to **manage complexity**
  - improves team performance in managing **trauma** victims and **mass casualty** disasters
- fosters workforce **well-being and resilience**
- Improves **healthcare practices**, such as central venous catheter placements, leading to a decrease in related infections, and improving patient outcomes
- can help **adapt** to the changing demands on healthcare systems

Ethical considerations

- Global **availability** of healthcare simulation is an ethical imperative in order to enable **equitable access to high-quality healthcare.**
- Healthcare simulation must be **employed ethically**, with commitment and adherence to standards as well as the Healthcare Simulationist Code of Ethics.
- Encourage and foster a shared **safety culture** mindset is critical
- psychological and physical **safety** of all participants
- protecting personal and patient **information**
- **removing "blame and shame"** feedback from learning and operational culture
- Learners should be supported in the process of experiential learning with **integrity** and **transparency**
- **Diversity, equity, inclusion**, and **accessibility** principles
- **Sustainability**

Recommendations

- **Advocate** for the benefits that simulation provides to patients, staff and organizations
- Promote its adoption and **integration** into daily learning and practice
- **Low-cost, high-impact** simulation methods should be leveraged to expand global accessibility
- Support at institutional and governmental level is essential, necessitating a unified and concerted approach in terms of **political, strategic and financial commitment.**
- Use simulation **appropriately,** employing evidence-based **quality assurance approaches**
- **Faculty development**, **evaluation**, **accreditation, credentialing,** and **certification**
- Provide **equitable and sustainable access** to high-quality, contextually relevant simulation-based learning opportunities
- Uphold the **principles of equity, diversity and inclusion**
- Renewed emphasis on **research and scholarship**

Key strategies

1 Evidence based practice in alignment with standards

2 Faculty development to enhance simulation practice.

3 Evaluate all simulation activities to maintain quality standards

4 Quality-assured accreditation, and certification

5 Equitable access to high-quality, contextually relevant simulation

6 Use telesimulation and virtual approaches to facilitate accessibility

7 Uphold the principles of equity, diversity and inclusion

8 Be mindful of the environmental impact of simulation activities

9 Engage in research, scholarship and innovation

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Infographic by Dr S Armijo

Call for action

Policymakers and leaders

- Acknowledge and embrace the benefits of simulation in healthcare practice
- Commit to sustained support
- Mandate the application of simulation within education, training, and clinical environments

Healthcare systems and education institutions

- Commit to high-quality healthcare and improved patient outcomes
- Promote and resource simulation-based learning for individuals teams
- Align with best practice standards.

Simulation practitioners

- Champion healthcare simulation as an indispensable learning tool
- Adhere to best practice standards
- Maintain a commitment to lifelong learning
- Continue to advocate for patient safety

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Publications

Simulation in Healthcare
Journal of the Society for Simulation in Healthcare®

Articles & Issues | Collections | For Authors | Journal Info

SPECIAL ARTICLES

Global consensus statement on simulation-based practice in healthcare

Cristina, Diaz-Navarro; Robert, Armstrong; Matthew, Charnetski; Kirsty, Freeman J.; Sabrina, Koh; Gabriel, Reedy; Jayne, Smitten; Pier, Ingrassia Luigi; Francisco, Matos Maio; Barry, Issenberg

Diaz-Navarro et al. Advances in Simulation (2024) 9:19
https://doi.org/10.1186/s41077-024-00288-1

Advances in Simulation

CONSENSUS ARTICLE — Open Access

Global consensus statement on simulation-based practice in healthcare

Cristina Diaz-Navarro[1], Robert Armstrong[2], Matthew Charnetski[3,4,5], Kirsty J. Freeman[6], Sabrina Koh[7,8], Gabriel Reedy[9], Jayne Smitten[10], Pier Luigi Ingrassia[11], Francisco Maio Matos[12,13,14] and Barry Issenberg[15]

Clinical Simulation in Nursing (2024) 93, 101552

Clinical Simulation in Nursing

ELSEVIER

Global Consensus Statement on Simulation-Based Practice in Healthcare

Cristina Diaz-Navarro, FRCA[a], Robert Armstrong, MS[b], Matthew Charnetski, MSMS[c,d,e], Kirsty Freeman, PhD(c)[f], Sabrina Koh, MSc(ed)[g,h], Gabriel Reedy, PhD[i,*], Jayne Smitten, PhD[j], Pier Luigi Ingrassia, PhD[k], Francisco Maio Matos, PhD[l,m,n], Barry Issenberg, MD[o]

IJoHS — International Journal of Healthcare Simulation

CONSENSUS ARTICLE

Global consensus statement on simulation-based practice in healthcare

Cristina Diaz-Navarro[1], Robert Armstrong[2], Matthew Charnetski[3,4,5], Kirsty J. Freeman[6], Sabrina Koh[7,8], Gabriel Reedy[9], Jayne Smitten[10], Pier Luigi Ingrassia[11], Francisco Maio Matos[12,13,14], Barry Issenberg[15]

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Other resources:

Global Consensus Statement on Simulation-based Practice

Contributors   Gallery   Resources

Summary

Simulation plays a pivotal role in addressing universal healthcare challenges, reducing education inequities, and improving mortality, morbidity and patient experiences. It enhances healthcare processes and systems, contributing significantly to the development of a safety culture within organizations. It has proven to be cost-effective and successful in enhancing team performance, fostering workforce resilience and improving patient outcomes.

Through an international collaborative effort, an iterative consultation process was conducted with 50 societies operating across 67 countries within six continents. This process revealed common healthcare challenges and simulation practices worldwide. The intended audience for this statement includes policymakers, healthcare organization leaders, health education institutions, and simulation practitioners. It aims to establish a consensus on the key priorities for the broad adoption of exemplary simulation practice that benefits patients and healthcare workforces globally.

Working Group

Development Process

Please endorse the
"Global consensus statement
on simulation-based practice in healthcare"

Open to institutions, companies societies and networks

Represents explicit support of the spirit and recommendations presented in the statement.

It does not involve any financial implications or legally binding commitments.

Key strategies recommended in the global consensus statement on simulation-based practice in healthcare

1 Evidence based practice in alignment with standards

2 Faculty development to enhance simulation practice.

3 Evaluate all simulation activities to maintain quality standards

4 Quality-assured accreditation, and certification

5 Equitable access to high-quality, contextually relevant simulation

6 Use telesimulation and virtual approaches to facilitate accessibility

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8 Be mindful of the environmental impact of simulation activities

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