

# HL7 AUSTRALIA STRATEGY 2025-2029

www.HL7.com.au



## **OUR STRATEGY IN SUMMARY**

HL7 Australia is a membership-based, not-for-profit company that exists to facilitate the adoption of digital health in Australia by promoting the effective use of standards and products developed by HL7 International and supporting their enhancement to meet local needs.

The overall context that shapes our current strategy is that Australia is taking the next steps towards the digital transformation of healthcare<sup>1</sup>. These next steps will drive information sharing and advance real-time data exchange to make information available when and where it is needed. National priorities include<sup>2</sup>:

- Supporting the development of new digital health standards with a focus on priority use cases and emerging technologies
- Developing Fast Healthcare Interoperability Resources® (FHIR®) core standards that set the minimum requirements to support consistent capture and sharing of health information
- Co-designing technical, clinical terminology and exchange standards for a national electronic requesting capability for diagnostic imaging and pathology

These activities are core business for HL7 Australia.

This strategy describes HL7 Australia's vision considering the current national context – to be recognised as a critical partner in the digital transformation of the Australian health ecosystem, for HL7 standards to underpin the provision of secure, fit-for-purpose and connected digital solutions nation-wide, and for our members to recognise us as the leading health informatics standards development and implementation organisation in Australia. The strategy identifies seven key result areas essential to the achievement of this vision by 2029:

- 1. Substantially growing our membership through improving our value to members and partners
- 2. Providing a variety of effective pathways for consensus-based HL7 standards development, enabling standards developers to select the most appropriate pathway for their needs and contexts
- 3. Leading the development of the HL7 component of a national standards roadmap
- 4. Providing Australia's best standards development, adoption, and implementation events
- 5. Systematically building HL7 workforce capabilities in Australia
- 6. Modernising our infrastructure to enhance our value to members and partners
- 7. Enhancing our organisational maturity and sustainability.

Figure 1 below summarises this strategy onto one page.

Australian Digital Health Agency, 2023, *National Digital Health Strategy 2023-2028*, accessed 18 December 2024 at <a href="https://www.digitalhealth.gov.au/sites/default/files/documents/national-digital-health-strategy-2023-2028.pdf">https://www.digitalhealth.gov.au/sites/default/files/documents/national-digital-health-strategy-2023-2028.pdf</a>.

Australian Digital Health Agency, 2023, *National Digital Health Strategy 2023-2028*, *Delivery Roadmap*, accessed 18 December 2024 at <a href="https://www.digitalhealth.gov.au/sites/default/files/documents/national-digital-health-strategy-roadmap-2023-2028.pdf">https://www.digitalhealth.gov.au/sites/default/files/documents/national-digital-health-strategy-roadmap-2023-2028.pdf</a>.



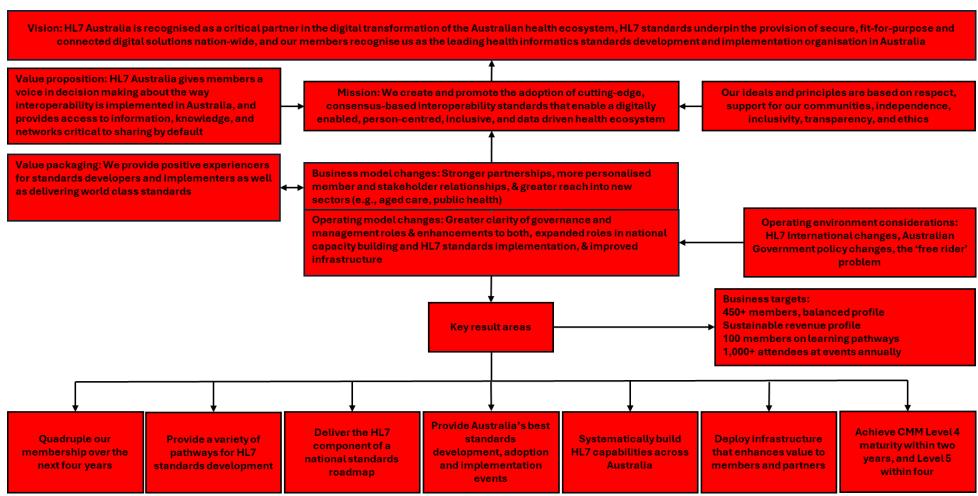


Figure 1 - HL7 Australia strategy 2025-2029



# **CONTENTS**

OUR S	TRATEGY IN SUMMARY	. 2
GLOS	SARY – TERMS USED IN THIS DOCUMENT	. 5
IMAGE	<b>IS</b>	. 6
PART A	A - OUR STRATEGY	7
VISIOI	N	. 8
MISSI	ON	. 8
(	Our ideals and principles	. 8
(	Our value to members, partners, and other stakeholders	. 9
BUSIN	IESS MODEL	11
(	Our value packaging	11
(	Changes to the business model	11
OPER	ATING MODEL	15
(	Our operating environment	15
(	Changes to the operating model	16
KEY R	ESULT AREAS	19
I	KRA 1: Memberships and partnerships	19
ı	KRA 2: Governance of standards development	19
ı	KRA 3: Standards development and maintenance	20
ı	KRA 4: Standards development, adoption, and implementation events	20
ı	KRA 5: Education, training, and capacity building	21
i	KRA 6: Infrastructure	21
ı	KRS 7: Organisational maturity and sustainability	22
(	Our business targets	22



# **FIGURES**

Figure 1 - HL7 Australia strategy 2025-2029	3
Figure 2 - HL7 Australia's business model	14
Figure 3 - HL7 Australia's operating model: Business fundamentals	17
Figure 4 - HL7 Australia's operating model: Business enablers	18
Figure 5 - HL7 customer journey	20
Figure 6 - HL7 Australia capability building model	21

# **GLOSSARY – TERMS USED IN THIS DOCUMENT**

Business model	How we create, capture, and deliver value, and to whom		
Health ecosystem	The amalgam of the health, well-being, aged care and related (e.g. life sciences) systems.		
Ideals	Our ideals guide the day-to-day behaviours of the organisation's Board, staff, agents, and communities to enable us to fulfil our mission and vision.		
Mission	The reason our organisation exists.		
Operating model	How we bring our business model into reality.		
Principles	Our standards development design principles describe how we comply with international best practices for standards development.		
Value packaging	The multidimensional ways that members and others (partners, customers, other stakeholders) experience our organisation		
Value to members and stakeholders	The indicators used by members and stakeholders to assess the appropriateness and quality of the outputs and outcomes we provide.		
Vision	What we aspire to be.		



# **IMAGES**

Page 7 Designed by Freepik, <u>freepik.com</u>

Page 8 Photo by Vexels.com on <a href="https://www.freeimages.com/">https://www.freeimages.com/</a>

Page 23 Designed by Freepik, <u>freepik.com</u>

Page 24 Designed by Freepik, <u>freepik.com</u>



# **PART A - OUR STRATEGY**



Designed by Freepik



## **VISION**

Our vision describes what we aspire to be.

HL7 Australia's vision is:

To be recognised as a critical partner in the digital transformation of the Australian health, well-being, aged care and related systems (health ecosystem), for HL7 standards to underpin the provision of secure, fit-for-purpose and connected digital solutions nation-wide, and for our members to recognise us as the leading health informatics standards development and implementation organisation in Australia.

## **MISSION**

Our mission is our 'raison d'être' – the reason our organisation exists.

HL7 Australia's mission is:

To create and promote the adoption of cutting-edge, consensus-based interoperability standards that enable a digitally enabled, person-centred, inclusive, and data driven health ecosystem.

Our mission is shaped by our beliefs and principles and is cognisant of the value demanded of us by our members and other stakeholders.



Photo by <u>Vexels.com</u> on Freeimages.com

## Our ideals and principles

Our <u>ideals</u> guide the day-to-day behaviours of the organisation's Board, staff, agents, and communities to enable us to fulfil our mission and vision. They are:

- Respect for and promotion of the expertise and commitment of our members.
- Supporting communities of interest as the most appropriate, effective, and efficient pathway to standardisation.
- Independence, openness, inclusivity, transparency, consensus-building, and ethics.
- Continuous improvement through the pursuit of contemporary best practice in standardisation and corporate governance.

Both within our organisation and our communities, we strive for a culture of meaningful cooperation and collaboration amongst sometimes competing interests, to optimise the public good.



HL7 is a global standards development organisation and HL7 Australia operates within its ambit. Our standards development design <u>principles</u> describe how we comply with international best practices for standards development. They are:

- HL7 Australia is responsive to responds to standards development requests from members, industry, or other stakeholders such as policy makers or consumer groups.
- We strive to obtain world class technical, clinical, data, and business expertise in the development of standards.
- We strive to ensure balanced participation and influence, including by those interests that will be significantly affected by the resulting standard.
- We develop standards through transparent, open, impartial, and consensus-building processes.
- We base our standards on international standards as far as possible.
- We seek to empower our communities by leveraging their skills, assets, and capacities.
- We are pragmatic in building and leveraging communities that comprise a relatively small number of experts.
- We recognise that members of our communities are also members of other, often intersecting, communities. We work with these other communities to optimise our outcomes and experiences, those of our community members, and as far as possible those of other relevant communities.
- We support education and training that recognises the knowledge, skills, attitudes, and beliefs that participants bring, and that enables participants to immediately apply their learnings. We work in partnership with experts in education and training.

## Our value to members, partners, and other stakeholders

Our value to members and other stakeholders is defined by them. It represents the indicators they use to assess the appropriateness and quality of the outputs and outcomes we provide.

#### Our members include:

- Health system policy makers and funders. Our value to them comprises: the ongoing availability and implementation of fit-for-purpose standards consistent with policy and strategy objectives and timeframes; and trusted, independent advice on standards and the implications of their use.
- Health software developers and vendors, and professional service organisations. Our
  value to them comprises: the ongoing availability and implementation of fit-for-purpose
  standards that satisfy their business, customer and compliance obligations; the ability
  to influence the development of these standards; and access to expert advice and
  mentoring about the use of HL7 standards, including in conjunction with other
  standards.
- Health service providers. Our value to them comprises: the ongoing availability and implementation of fit-for-purpose standards that satisfy their business, customer and compliance obligations; the ability to influence the development of these standards; and access to expert advice and mentoring about the use of HL7 standards, including in conjunction with other standards.



#### Our <u>partners</u> include:

- HL7 International. Our value to them includes management of HL7's intellectual property (IP), ensuring HL7 standards are fit for Australian use, building the HL7 brand within the Australian realm, and promoting HL7 adoption.
- Other agencies involved in the Sparked HL7 FHIR Accelerator (and any other future accelerators). Our value to these partners is ensuring rigour in standards development that will enhance adoption and sound implementation, and long-term maintenance of the resulting specifications.
- Standards development 'volunteers'. Our value to them is consensus-building amongst potentially disparate interests, ensuring standards development is worth the effort, and provision of learning communities.
- Education and training entities. Our value to these is provision of suitable expertise into education and training programs, and ongoing learning communities.

#### Other HL7 Australia stakeholders

HL7 Australia's other primary stakeholders include Australian health consumers and taxpayers. Our value to them is the provision of standards and a network of implementers that enable person-centred, inclusive, digitally enabled, and data driven health, well-being, and aged care services.



## **BUSINESS MODEL**

Our business model describes how HL7 Australia creates, captures, and delivers value, and to whom. It is described in detail in our Business and Operating Models document (currently Draft 0.05, March 2025). Key elements are cited here for context.

Our core value propositions are:

- Delivering and maintaining trusted standards needed for the exchange, integration, sharing and retrieval of digital health information and associated workflows that support clinical practice and the management, delivery, and evaluation of health services.
- Providing a learning and supportive community for standards developers and implementers to deliver a digitally enabled, person-centred, inclusive, and data driven health ecosystem.

Our primary customer segments are health system policy makers and funders, health software vendors and consultants, and health service providers.

Our business model is summarised in <u>Figure 1</u>, with its current elements in black and targeted enhancements in red.

## Our value packaging

'Value packaging' refers to the multidimensional ways that members and others (partners, customers, other stakeholders) experience our organisation. It can be described in terms of seven dimensions – environment, interpersonals, procedures, standards delivered, information and knowledge, and costs.

The experiences we will target across our member, partner and customer cohorts are described in Table 1 overleaf.

## Changes to the business model

Key elements that will change in alignment with this strategy include:

- Stronger partnerships we will develop even closer links with our existing partners and develop and/or formalise partnerships with others (e.g. educators, states and territories, peak organisations)
- More personalised member and stakeholder relationships, enabled by better infrastructure, marketing and communications, and enhanced value to members
- Greater reach into new sectors (e.g., aged care, public health) that also form part of the health ecosystem.



#### Table 1 - HL7 Australia's value packaging

Value dimension	<u>Member</u>	<u>Partner</u>		<u>Customer</u> <sup>2</sup>	
Delivery venues:	Our 'premises' are either online or hel	d in event venues.			
	<ul> <li>Our online spaces are clearly ident promote, HL7 Australia. They are s providing welcoming and profession</li> </ul>	ecure and effective, and professionally equipped. They invite partic		nally equipped. They invite participation,	
Interpersonals:	We recognise our members, personalise our interactions with them, and ensure they feel valued. Members feel confident they can contribute constructively to a shared mission. We are courteous and responsive.	We are trusted by our industry, and educati partners to advise an independently, profe responsively.	on delivery d support them	Our customers experience exemplary service in terms of competence, courtesy, understanding, and responsiveness.	
Procedures:	Our membership procedures are streamlined, intuitive, and efficient.	Our partnership agreements are based on achieving a shared purpose, and collaborative behaviours.		Our customers find us easy to purchase from.	
	Our standards development and maintenance procedures are responsive to digital health needs, open, transparent, and impartial. They build industry capabilities while delivering results.				

HL7 Australia's customers are members who purchase premium products and/or services (i.e., products/services not included free-of-charge with membership) and non-members who participate in HL7 Australia activities or purchase



### Table 1 - HL7 Australia's value packaging (continued)

Value dimension	<u>Member</u>	<u>Partner</u>	<u>Customer</u>
Standards delivered:	We deliver Australian HL7 standards t	that are fit-for-purpose throughout their li	fecycles and consensus-based.
Information and knowledge:	Our members have access to a diverse range of information and assets, and to a unique global network of experts in standardisation.	Our partners have access to expert advice and HL7 branding under license.	Our customers have access to premium products and services.
Costs:	Our members recognise the economic value of HL7 Australia membership. We align membership costs with this value.	Our partners respect our financial management and perceive receipt of good value for money.	Our customers perceive receipt of good value for money.



Key partnerships	Key activities	Value pro	positions	Customer relationships	Customer segments
Australian Government Department of Health and Aged Care (DoHAC)  Australian Digital Health Agency (ADHA)  CSIRO  Other key policy, funding, advocacy and influencing agencies, including in the private sector  State and Territory health and wellbeing agencies Standards development volunteers  Medical Software Industry Association (MSIA)  Education and training entities	Providing and promoting a portfolio of standards development pathways  Making HL7 International standards available in the Australian realm  Ensuring Australian requirements and perspectives are built into HL7 International standards  Supporting standards developer and implementer communities  Maintaining Australian localisations  Providing and supporting education and training  Providing independent expert advice  Providing process and member support platforms  Key resources  Volunteer & paid labour, governance and operational processes, HL7 IP, infrastructure, goodwill	Delivering trus as needed for integration, retrieval of ele information t clinical prace management evaluation of h  Providing a l supportive co standards de implementer: Australian he which everyon access and of health data wh	the exchange, sharing and ctronic health hat supports tice and the , delivery and ealth services.  earning and ommunity for velopers and st o deliver an alth sector in e can securely use the right nen and where	Communities, co-creation and self-service, supported by:  Outreach Leveraging market forces Community-based support and expertise Evidence, feedback and continuous improvement Personalisation  Channels Online multi-channel Face to face	Health, aged, disability, and social care policy makers, funders, advocates, and influencers  Health, aged, disability, and social care software providers  Health, aged, disability, and social care service providers  who in turn enable Australian health consumers and taxpayers to enjoy a connected, high quality health system at the lowest achievable cost  cross-segmented at finer levels to highlight and personalise for lesser serviced domains such as aged care and allied health.
Cost structure  Contracted and/or employed labour  Events  Support for voluteers  Technical infrastructure			Commonwealt Membership fe Sponsorships In-kind contrib Interest Philanthropy		s

Figure 2 - HL7 Australia's current and future business models (changes in red)



## **OPERATING MODEL**

Our operating model describes how HL7 Australia is structured and manages its operations to execute the business model effectively. It is described in detail in our Business and Operating Models document (currently Draft 0.05, March 2025).

## Our operating environment

Our operating environment is an important driver of the ways we work. Significant elements of the current environment include:

• HL7 International, our 'parent' organisation⁴, is currently reviewing important elements of its business model and strategies including its membership and value to members models. Such changes have the potential to be either opportunities or threats to HL7 Australia.

We are liaising closely with the architects of HL7 International's changes.

Australian Government policy is currently driving significant public and private
investment in digital health, including via HL7 Australia. This strategy is predicated on
sustained momentum in new HL7 standards development to meet national use cases
and the need for long-term management of a rapidly growing stock of HL7 standards
assets but recognises that HL7 Australia must mature rapidly to become a sustainable
partner in driving Australia's digital health strategy.

Any wind down in the national strategy due to changes in the political landscape may require modifications to this strategy.

HL7 standards are public goods in an economic sense – they are non-rivalrous (their availability does not decrease as more people consume them) and non-excludable (they are available to all). However, public goods typically suffer from the 'free rider' problem – some people/organisations use them but are unable or unwilling to help pay for them. For this reason, they are generally provided or subsidised either by governments or collective action. The current government policy push is essentially a response to the failure of appeals for collective action over the past two decades.

This strategy aims to strengthen the collective action component through increased engagement in membership, events, etc., and to supplement this with revenue from new private goods/services.

-

<sup>&</sup>lt;sup>4</sup> HL7 Australia is HL7 International's official affiliate for the Australian realm.



## Changes to the operating model

Our operating model is summarised in Figures 2 and 3 (describing business fundamentals ad business enablers respectively), with its current elements in black and targeted enhancements in red.

Key elements that will change in alignment with this strategy include:

- Greater clarity concerning the roles of directors in governance and management, and organisational changes to supplement management, freeing directors to focus more on strategy and governance
- Expanded roles in national capacity building and the implementation of HL7 standards, particularly FHIR, supported by improvements in information and knowledge dissemination and analytics
- Infrastructure support.

Service design principles	Culture and values
Responsive to market needs	Respect for and promotion of the expertise and
Based on expert opinion	commitment of our members
Developed through multi-stakeholder processes	
Transparent, open, and impartial	Building communities of interest and contributing
Based on consensus	positively to dialogue amongst stakeholders
Using international standards where possible Asset-based community development	Open, inclusive, transparent, consensus-building,
Cognisant of our small market	ethical
Part of a community of communities	Stindar
Learner-centred, actionable education and training	Continuously seeking improvement
Working in partnership	
Governance	Keyprocesses
Greater separation of governance and management	Election of Board members
Guided by our Constitution, the HL7 Australia	Establishment of working and subsidiary groups
Governance and Operations Manual and our	Establishment of working and substituting groups
International Affiliate Agreement	Standards development, balloting and publication
Guiding standards development via HL7 Working	
Group protocols and the Australian FHIR	
Management Framework	

Figure 3 - HL7 Australia's operating model: Business fundamentals



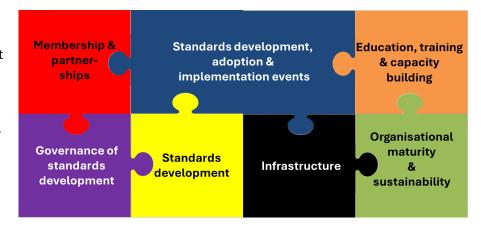
	Orga	nisationdesign	Product/service design		
	Clear lines of responsibilit	у	Products - Standards and training artefacts		
	Spatially and sectorally m	ore representative of the market	Services - Improved member and information services, event provision and management, enhanced member support		
			Greater clarity regarding our training role		
	Knowledg	ge, information & data	п		
		in standards and standards	A more integrated business, data and system architecture		
	communities. More focus	also in the collective minds of our on knowledge translation	Fit for purpose business and member support tools.		
Business enablers	Information about our operating contexts and strategic directions in standardisation, largely in the collective minds of our communities. More focus on information dissemination  Data captured about our members, stakeholders and activities is analysed and used for continuous improvement				
	Risk/opportunitymanagement				
	Managed by the Board				
Major current opportunity: A funded, national (Commonwealth, States, and Territories) digital health agenda for health datbased on the HL7 FHIR standard associated FHIR capabilities, and recognition by the agencies of that a sustainable and active HL7 Australia is an essential partner.					
	Major current risks: Lower reliance on a volunteer Board to both govern and manage a complex, distributed organisation				
		A relatively small national pool of standards development expertise to draw upon to meet an aggressive digital health agenda			

Figure 4 - HL7 Australia's operating model: Business enablers

## **KEY RESULT AREAS**

We have identified seven key result areas we must target over the next four years.

While they are depicted linearly, for convenience, in our one-page strategy summary diagram, they are all critically interlinked.



## KRA 1: Memberships and partnerships

We aim to quadruple our membership over the next four years by dramatically improving our value to members, and to build strong partnerships with all organisations critical to achieving a digitally enabled, person-centred, inclusive, and data driven health ecosystem.

Our value to members and partners is:

HL7 Australia gives you a voice in decision making about the way interoperability is implemented in Australia, and provides you with access to information, knowledge, and networks critical to sharing by default.

Our strategies for improving value to members and partners include personalising HL7 learning pathways, hosting adoption and implement-focused events and forums, recognising community contributions, improving communication and information flows, and enhancing our relationship management infrastructure.

## KRA 2: Governance of standards development

We aim to provide a variety of pathways via which high quality HL7 standards can be developed in Australia, enabling all stakeholders to access a pathway appropriate to their needs and context.

Our strategies include learning from and improving FHIR accelerator methodologies and the Australian FHIR Community Process (AFCP), publication and continuous improvement of an HL7 Australia Governance and Operations Manual, and strong partnerships with other standards development organisations (SDOs) with which HL7 standards interact.

## KRA 3: Standards development and maintenance

We aim to listen to our communities to inform the development of national standards roadmaps and mobilise these communities to deliver the HL7 standards required to enable a digitally enabled, person-centred, inclusive, and data driven health ecosystem. We aim to maintain the fitness-for-purpose of Australia's HL7 localisations throughout their long lifecycles to ensure acceptable levels of risk for critical national health data infrastructure.

Our strategies include using a variety of communication channels to continuously hear requirements, further building our positioning as a trusted adviser to both governments and industry, and using the full array of standards development pathways to maintain an active, prioritised standards development portfolio.

## KRA 4: Standards development, adoption, and implementation events

We aim to build our communities' capabilities to develop consensus-based, implementable standards via Australia's best standardisation events. We provide a safe learning space for our members.

Our strategies include providing a program of well-targeted Connectathons, work group meetings and learning events that collectively cater for a full range of proficiency levels and incorporate learning, standards development, testing, networking, and community development.

We also aim to use events to build Australia's abilities to implement HL7 standards appropriately, effectively, and efficiently to enable a digitally enabled, person-centred, inclusive, and data driven health ecosystem.

Our strategies include deeply understanding the challenges in adopting and implementing data exchange and workflow integration standards across the health and aged care systems, using our unique knowledge and leveraging our communities to help our members address these, and providing a program of events that target people and organisations at all stages of the HL7 customer journey.

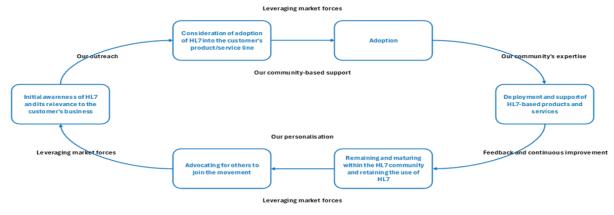


Figure 5 - HL7 customer journey<sup>5</sup>

\_

<sup>5</sup> HL7 Australia Business and operating models, Draft V0.05, March 2025

## KRA 5: Education, training, and capacity building

We aim to systematically build HL7 capabilities across Australia through education, training, and other capacity building, to ensure the critical national health data infrastructure can operate appropriately, effectively, and efficiently, at acceptable levels of risk.

Our strategies include addressing all aspects of the capability building model depicted in Figure 6, leveraging other HL7 Australia KRAs, leveraging our communities to understand their capacity building needs, building learning pathways for HL7 FHIR practitioners, and developing partnerships with education and training partners.

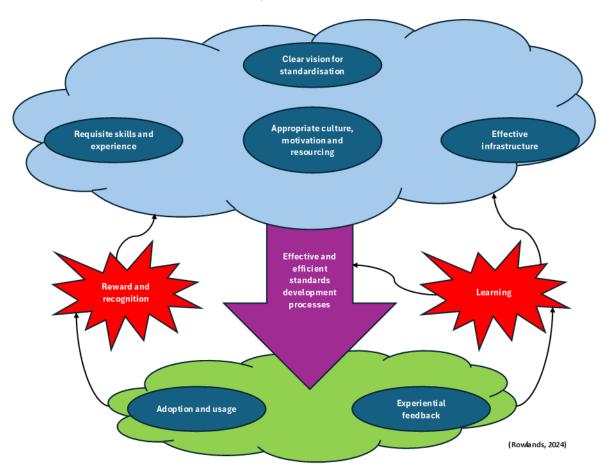


Figure 6 - HL7 Australia capability building model<sup>6</sup>

#### **KRA 6: Infrastructure**

We aim to deploy state-of-the-art infrastructure that enhances our value to members and partners, and supports high quality standards development, maintenance, and implementation.

<sup>&</sup>lt;sup>6</sup> First presented to the Australian FHIR Coordination Committee in August 2024.

Our infrastructure priorities include contemporary relationship management capabilities, an end-to-end standards development and maintenance architecture, and sustainably hosted delivery systems.

## KRS 7: Organisational maturity and sustainability

We aim to achieve Capability Maturity Model (CMM) Level 4 (managed/capable) across the organisation within two years, and Level 5 (optimised/efficient) within four years.

The HL7 Australia Board believes our organisation currently operates between CMM Levels 2 (repeatable) and 3 (defined). Our strategies for enhancing our maturity include enhancing our governance and management structures and capabilities, leveraging a modernised infrastructure, re-profiling our revenues to achieve greater sustainability, and re-engineering some key processes.

We propose to use the Capability Maturity Model Integration (CMMI) v3.0 framework to guide the organisation on its maturation journey.



Designed by Freepik

## Our business targets

We need to grow our organisation and make it more sustainable in the long-term to enable us to achieve the results described above.

Achievement of the following business targets by June 2029 will enable these achievements:

- Membership of at least 450 individuals and organisations
- With balanced representation of individuals and organisations across the HL7 customer journey (Figure 5) and across health ecosystem sub-sectors
- A revenue profile approximating 30% membership fees, 50% sponsorship, event, education and training, and other revenue, and 20% government grants for developing and maintaining critical national data infrastructure
- At least 100 members working their way through HL7 Australia learning pathways
- At least 1,000 people attending HL7 Australia events annually.