



Annexe I Smart4Health MOOC3

*EU Digital Health Policy, the
Smart4Health Project, and
the Overall Picture,
explained to the nursing
profession*

READ MORE
Some references

The European Union, What's in it for me?

Paul De Raeve, 2017

This book offers nurses a valuable and insightful resource into the politics and strategic direction of health policy that shapes frontline nursing and midwifery practice in the EU.

Read the book ONLINE :

<https://online.anyflip.com/eumpx/ssim/mobile/index.html>

The EU faces many challenges. Nurses and nursing are part of the solution. It looks like the EU citizens have enough of the nice talks of politicians, enough of their political promises prior election. Therefore, it is important civil society, nurses ask themselves in which world they want to live and work; how nursing need to push for change in the changing world; and what should be in for nurses who provide daily care for the most vulnerable in our complex society. But when moving forward, the main question for many citizens will be: the EU, what's in it for me? Indeed, since 2008, when the financial crisis hit ordinary EU citizens very hard, especially nurses and women, more challenges to daily survival started to surface. Is the EU, its institutions, its political games, just a complex political labyrinth nobody wants to understand? Are EU civil servants simply producing legislation in view of their own created cocoon, far away from daily reality? But how can we bring ordinary EU citizens closer to the European project, its solutions? Nurses, women, play a key role in making the EU, health & wellbeing, prosperity and peace work for EU citizens, trusting nurses most!

EU Future Trust



Paul De Raeve

**The European Union,
what's in it for me?**



As Registered Nurse (1984), Master Nursing Science (1989-VUB) and Statistics (1996-KUB), followed by his PhD at Kings College London (2014), Paul became EFN Secretary General from 2002, lobby the EU Commission, Parliament and Council and recently (2016) started designing within the ENRF a nursing research and innovation agenda.



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De Raeve



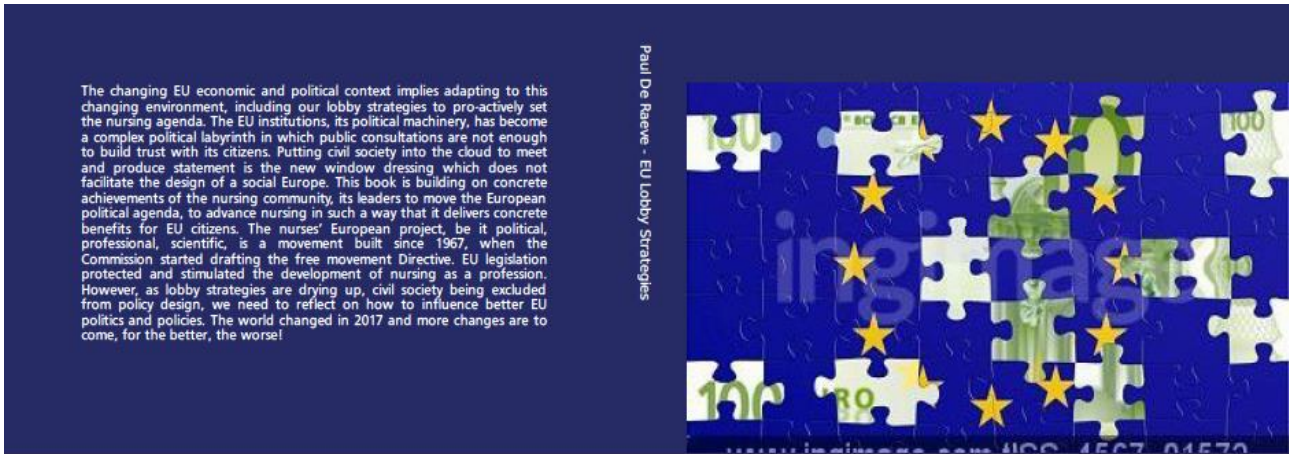
EU Lobby Strategies Fitting a New Political Context

Paul De Raeve, 2017

This book builds on concrete achievements of the nursing community, its leaders to move the European political agenda, to advance nursing in such a way that it delivers concrete benefits for EU citizens.

Read the book ONLINE :

<https://online.anyflip.com/eumpx/ugmb/mobile/index.html>



The changing EU economic and political context implies adapting to this changing environment, including our lobby strategies to pro-actively set the nursing agenda. The EU institutions, its political machinery, has become a complex political labyrinth in which public consultations are not enough to build trust with its citizens. Putting civil society into the cloud to meet and produce statement is the new window dressing which does not facilitate the design of a social Europe. This book is building on concrete achievements of the nursing community, its leaders to move the European political agenda, to advance nursing in such a way that it delivers concrete benefits for EU citizens. The nurses' European project, be it political, professional, scientific, is a movement built since 1967, when the Commission started drafting the free movement Directive. EU legislation protected and stimulated the development of nursing as a profession. However, as lobby strategies are drying up, civil society being excluded from policy design, we need to reflect on how to influence better EU politics and policies. The world changed in 2017 and more changes are to come, for the better, the worse!



As Registered Nurse (1984), Paul has a Master in Nursing Science (1989-VUB) and Statistics (1996-KUB) and a PhD from Kings College London (2014), being the first EFN Secretary General since 2002, lobbying the EU Commission, Parliament and Council on behalf of 3 million nurses in the EU. Paul focusses on developing EFN and ENRF in synergy.



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EU Lobby Strategies Fitting a New Political Context

Paul De Raeve

De Raeve

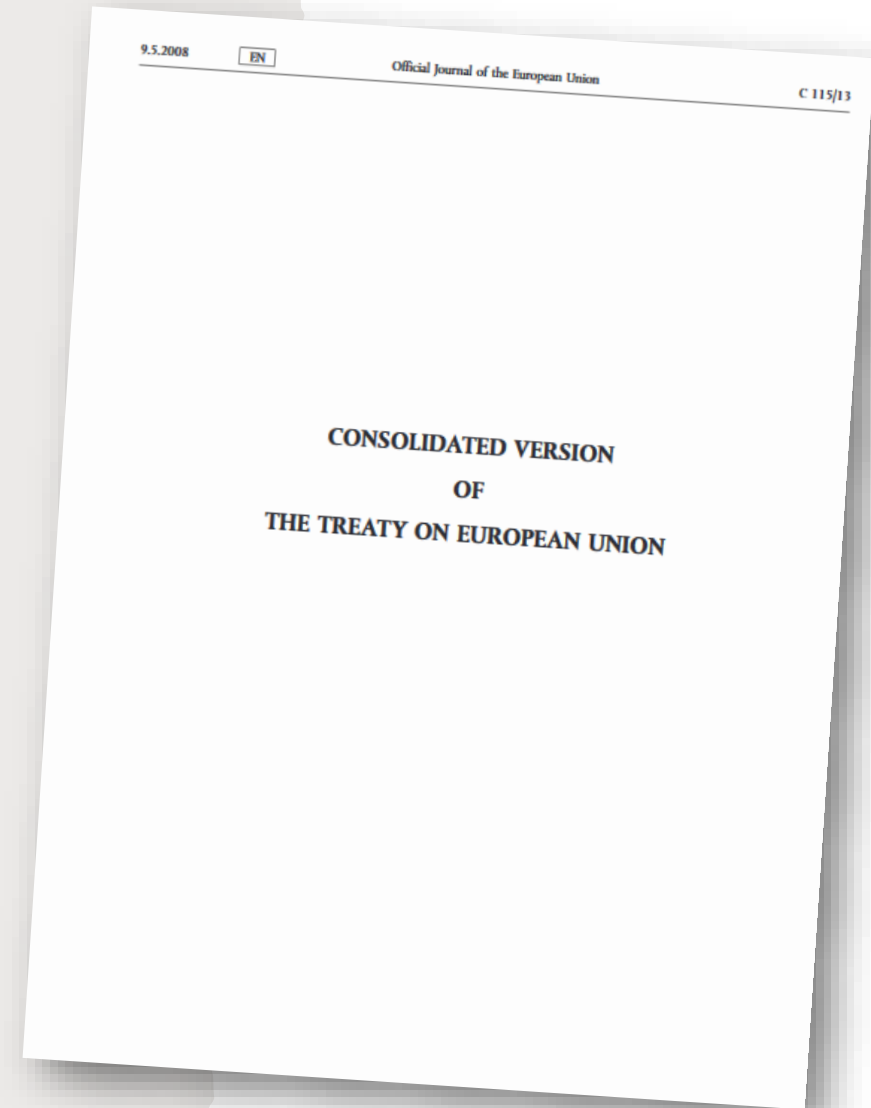


Principle of subsidiarity

The principles of subsidiarity and proportionality govern the exercise of the EU's competences. In areas in which the EU does not have exclusive competence, the principle of subsidiarity seeks to safeguard the ability of the Member States to take decisions and action and authorises intervention by the Union when the objectives of an action cannot be sufficiently achieved by the Member States, but can be better achieved at Union level (ref. Article 10(3) of the Treaty of the European Union).

More information here:

<https://www.europarl.europa.eu/factsheets/en/sheet/7/the-principle-of-subsidiarity>

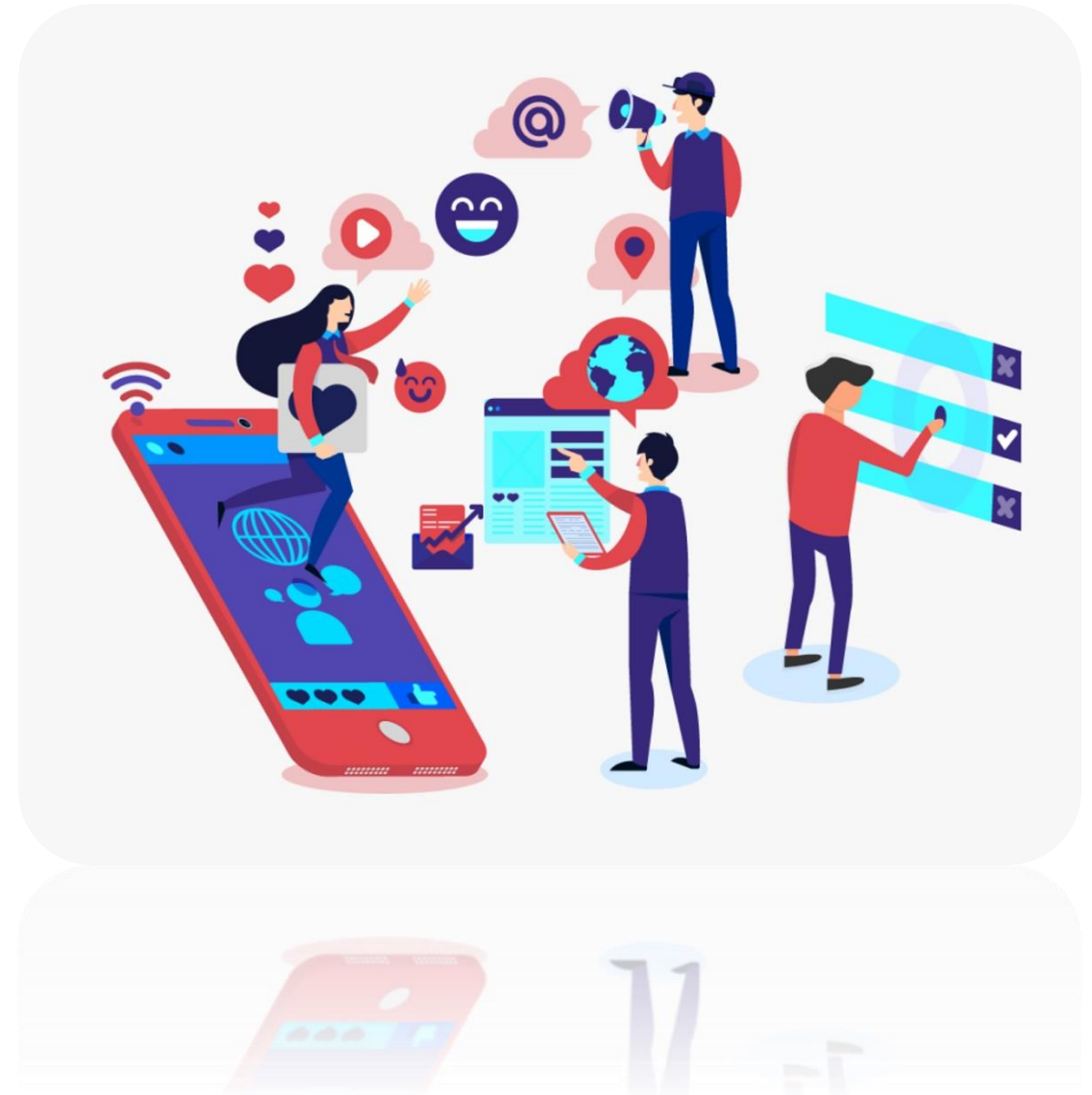


European Digital Strategy

The European Commission is working on a digital transformation that will benefit everyone, based on three main pillars : Technology that works for the people; A fair and competitive digital economy; An open, democratic and sustainable society.

More information here:

https://ec.europa.eu/info/strategy/priorities-2019-2024/europe-fit-digital-age/shaping-europe-digital-future_en

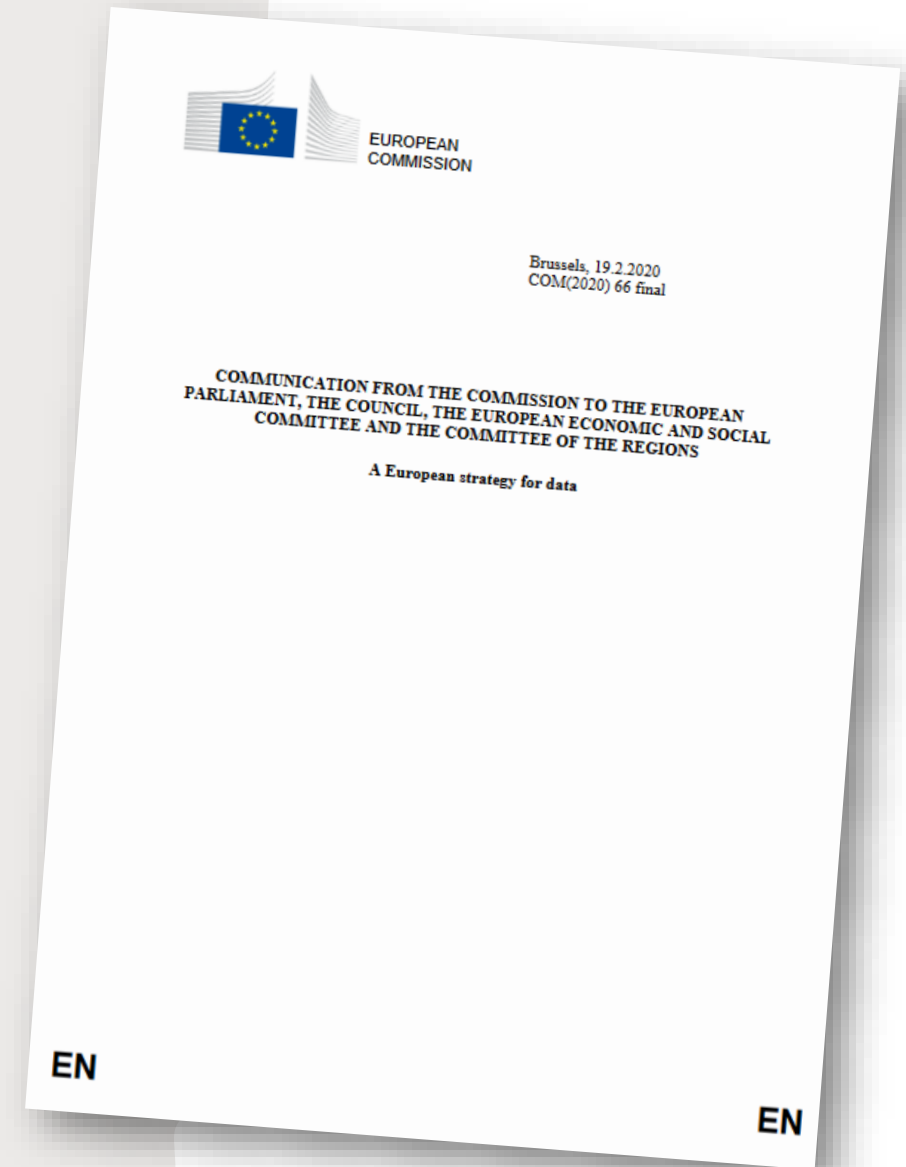


European Strategy for Data

The European data strategy aims to make the EU a leader in a data-driven society. Creating a single market for data will make the EU more competitive globally and will enable innovative processes, products and services.

More information here:

https://ec.europa.eu/info/strategy/priorities-2019-2024/europe-fit-digital-age/european-data-strategy_en#documents

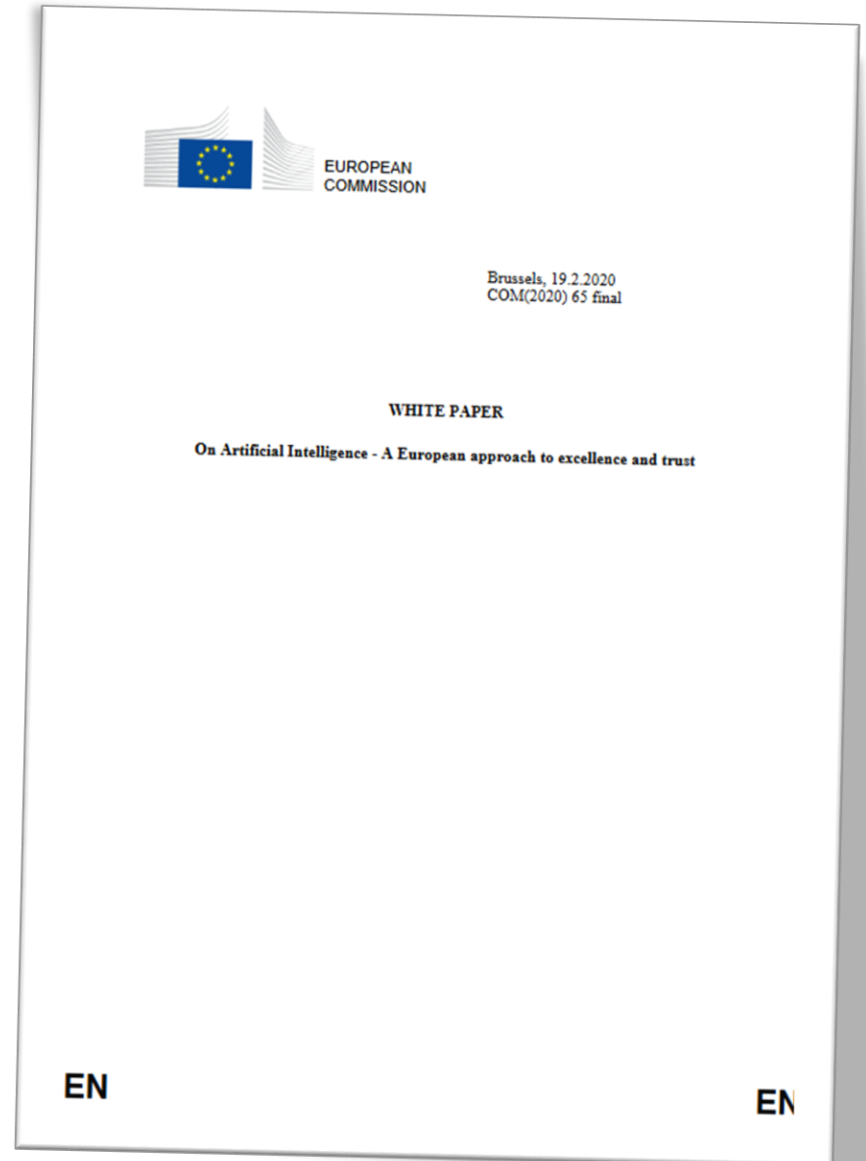


White Paper on Artificial Intelligence

This White Paper presents policy options to enable a trustworthy and secure development of AI in Europe, in full respect of the values and rights of EU citizens.

Read it here :

https://ec.europa.eu/info/sites/default/files/commission-white-paper-artificial-intelligence-feb2020_en.pdf



Horizon Europe

Horizon Europe is the new EU new programme with a budget of €95.5 billion of funding available (from 2021 to 2027). The programme aims to facilitate collaboration and strengthens the impact of research and innovation in developing, supporting and implementing EU policies while tackling global challenges.

More information here:

https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe_en

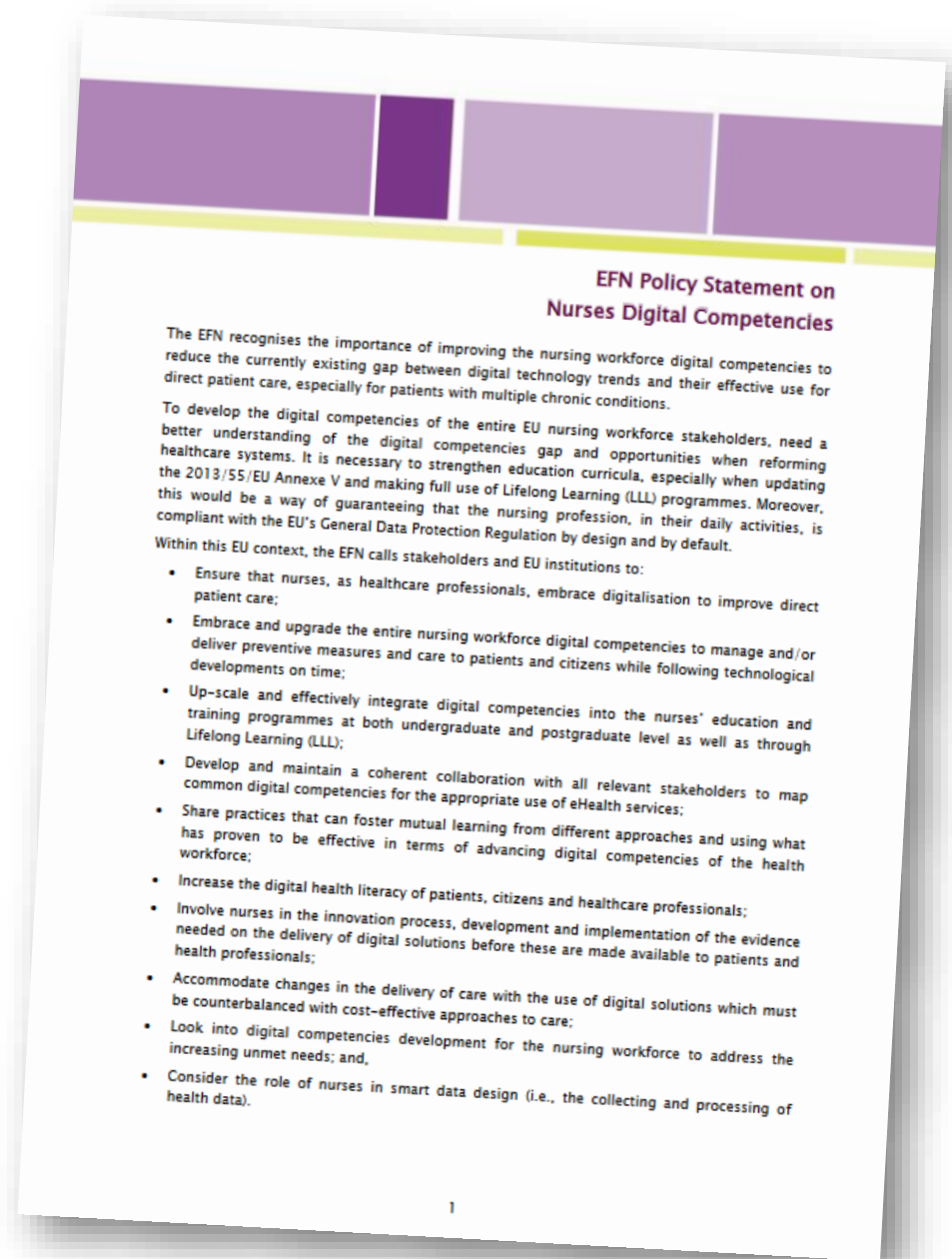


EFN Policy Statement on Nurses Digital Competencies

Approved by the EFN Members in November 2019, this Policy Statement calls for strengthening education curricula, especially when updating the Directive 2013/55/EU Annexe V and making full use of Lifelong Learning (LLL) programmes.

Read it here :

<http://www.efnweb.be/wp-content/uploads/EFN-Policy-Statement-on-Nurses-Digital-Competencies-Nov.2019.pdf>

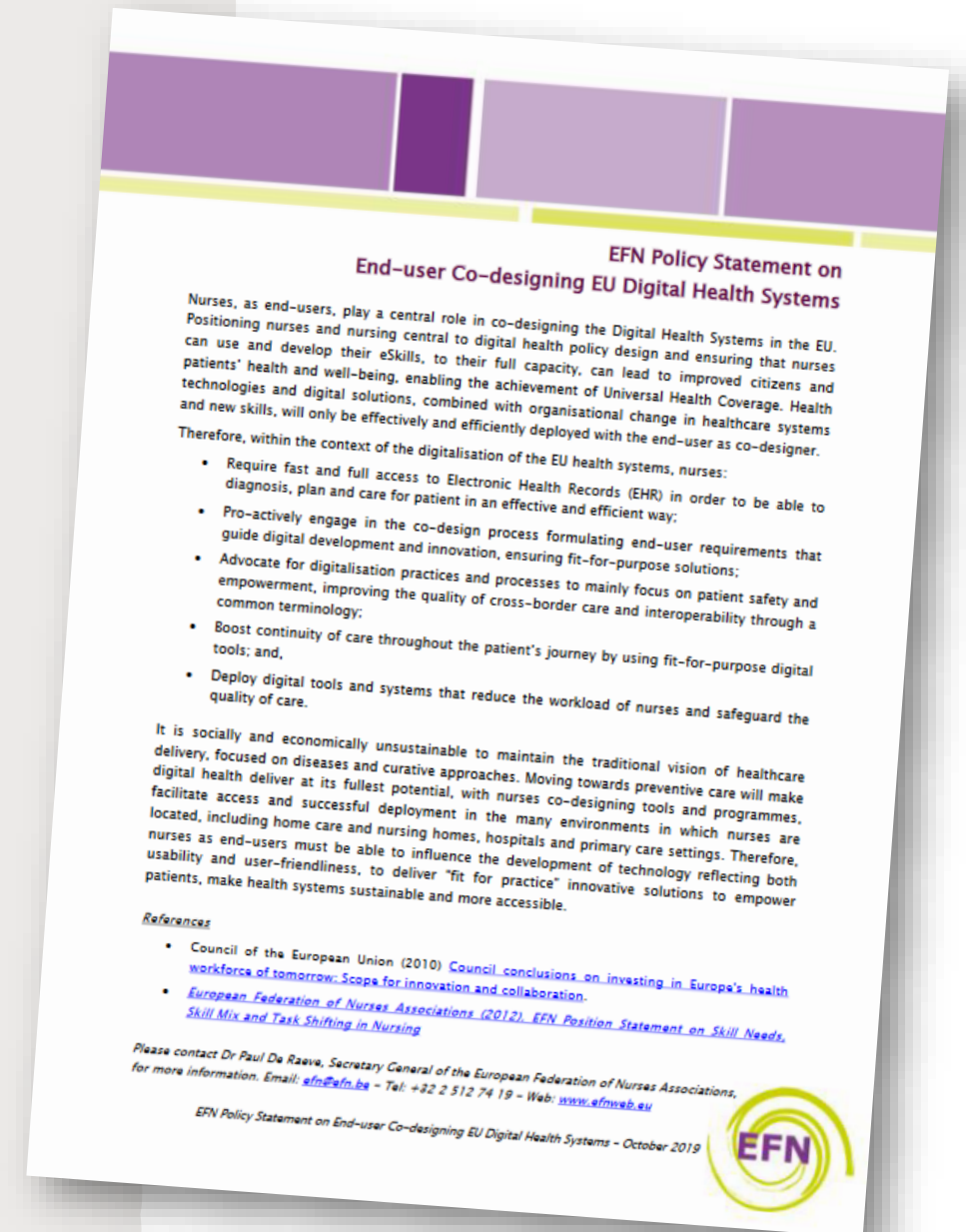


End-user co-designing EU digital health systems

Approved by the EFN Members in October 2019, this Policy Statement presents nurses' request, as end-users, in co-designing the Digital Health Systems in the EU. Positioning nurses and nursing central to digital health policy design and ensuring that nurses can use and develop their eSkills, to their full capacity, can lead to improved citizens and patients' health and well-being, enabling the achievement of Universal Health Coverage.

Read it here :

<http://www.efnweb.be/wp-content/uploads/EFN-Policy-Statement-on-end-user-co-designing-EU-digital-health-systems-22-10-2019.pdf>



The world of cloud-based services: storing health data in the cloud

Paul De Raeve, 2019

This article provides an insight into the world of 'cloud'.

Read it here :

<https://www.healtheuropa.eu/cloud-based-services-storing-health-data-in-the-cloud/93053/>



The Blockchain Interoperability - Sharing data across the care continuum

Paul De Raeve, 2019

*This article provides an overview on how
blockchain interoperability is enabling sharing
data across the care continuum.*

Read it here :

<http://www.efnweb.be/wp-content/uploads/Blockchain-Interoperability-Sharing-data-across-the-care-continuum.pdf>

Blockchain interoperability: Sharing data across the care continuum

Paul De Raeve, Secretary General of the European Federation of Nurses Associations (EFN) sheds lights on how blockchain interoperability is enabling sharing data across the care continuum

The interoperability of electronic health records (EHR) in Europe is key, especially now the European Commission plans to publish a recommendation on the technical specifications for an EHR exchange format. Although the EHR exchange format is part of a bigger plan of the digital transformation of the health and social care in the Digital Single Market, the EU financing of two H2020 projects, 'Smart4Health' and 'InteropEHRate' can lead to large-scale interoperable designs, especially at a time when a variety of government agencies are moving their infrastructure on to new technologies offering optimum security and data privacy. The policy outcome, adopting an EHR exchange format at EU level, could end the endless and costly interoperability discussion we have had for the last two decades. Despite some advancements towards more seamless interoperability in the healthcare sector, frontline deployment of continuity of care, based on data sharing in clinical care pathways, could benefit more from new IT developments.

Although called 'disruptive', we recognise these new systems compete for market shares struggling to make a business case for sharing the data they've gathered, sorted, collected, aggregated and secured. Therefore, it becomes key that the IT industry, the EHR vendors become connected to the frontline practitioner so products become co-designed, fit-for-purpose, reduce the endless hours nurses spend on data entry, leading to a general malaise towards software solutions that were supposed to help, but it really just means more work for the frontline. So, it becomes high time to get interoperability right!

Co-designing interoperable solutions

A favourable ecosystem of trust and political support to use blockchain as a way to tackle interoperability is

not the main challenge, but what we miss are the practical use cases showing blockchain works better for the frontline due to solving the interoperability challenges we currently have in the healthcare ecosystem.

It is argued that blockchain makes it possible to exchange data from different sources, in different formats, among the end-users, at their fingertips to plan and provide frontline healthcare. Within this context, nurses have an opportunity to co-design an EU interoperable EHR as end-users, respecting the existing national EHR developments. Therefore, EFN partnership in the H2020 granted EU projects focusses on co-designing a fit-for-purpose interoperable EHR, aiming to prototype:

- A citizen-centred implementation of a platform that can be integrated with a federated platform structure, easy-to-use and secure, constantly accessible and portable within any other Member States of the EU and;
- A data-driven platform to help the scientific community to benefit from the user-generated data (health, care, and health-related) going beyond the currently established interoperability level.

Nurses are in the unique and privileged position in co-designing interoperable solutions as they have direct access to the daily care needs of people and have an in-depth knowledge of the patients' experiences and contextual environments in which the continuity of care takes place. As nurses are central in empowering citizens/patients to have access to health and social services, they play a significant role in addressing trust and ensure the appropriate allocation of nursing data in the EHR to facilitate continuity of care and as such, to ensure better health outcomes.

Leveraging the trust of nurses to advance a digital agenda in Europe: a critical review of health policy literature

Paul De Raeve at AI, 2021

This article is a critical and integrative review of health policy literature examining artificial intelligence (AI) and its implications for healthcare systems and the frontline nursing workforce. A key focus is on co-creation as essential for the deployment and adoption of AI.

Read it here:

<https://open-research-europe.ec.europa.eu/articles/1-26/v2>

Open Research Europe Open Research Europe 2021, 1:26 Last updated: 30 SEP 2021

Check for updates

REVIEW
REVISED Leveraging the trust of nurses to advance a digital agenda in Europe: a critical review of health policy literature
[version 2; peer review: 3 approved]

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Abstract
This article is a critical and integrative review of health policy literature examining artificial intelligence (AI) and its implications for healthcare systems and the frontline nursing workforce. A key focus is on co-creation as essential for the deployment and adoption of AI. Our review hinges on the European Commission's White Paper on Artificial Intelligence from 2020, which provides a useful roadmap. The value of health data spaces and electronic health records (EHRs) is considered; and the role of advanced nurse practitioners in harnessing the potential of AI tools in their practice is articulated. Finally, this paper examines "trust" as a precondition for the successful deployment and adoption of AI in Europe.

AI applications in healthcare can enhance safety and quality, and mitigate against common risks and challenges, once the necessary level of trust is achieved among all stakeholders. Such an approach can enable effective preventative care across healthcare settings, particularly community and primary care. However, the acceptance of AI tools in healthcare is dependent on the robustness, validity and reliability of data collected and donated from EHRs. Nurse stakeholders have a key role to play in this regard, since trust can only be fostered through engaging frontline end-users in the co-design of EHRs and new AI tools. Nurses hold an intimate understanding of the direct benefits of such technology, such as releasing valuable nursing time for essential patient care, and empowering patients and their family members as recipients of nursing care.

This article brings together insights from a unique group of stakeholders to explore the interaction between AI, the co-creation of data spaces and EHRs, and the role of the frontline nursing workforce.

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Open Peer Review

Reviewer Status ✓✓✓

	Invited Reviewers		
	1	2	3
version 2 (revision) 13 May 2021		✓ report	✓ report
version 1 26 Mar 2021	✓ report	? report	✓ report

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Any reports and responses or comments on the article can be found at the end of the article.

EFN Report on the Digitalisation Event at the European Parliament 05 February 2020

Digitalisation has a central place in the EFN lobby work, with a high-level event organised at the European Parliament in February 2020, focussing on 'European Electronic Health Records' thematic. This report gives an overview on the key outcomes of the EFN event.

Read it here:

<https://anyflip.com/eumpx/bxrh/>

