

CONTEMPORARY TECHNOLOGY IN HEALTH CARE SECTOR

DIGITAL SKILLS AND RESEARCH METHODS LCHS4002

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CONTENT:



- The use of contemporary technology in healthcare (diagnostic, administrative and care support).
- The use of technology during the Covid-19 pandemic.
- The use of digital communication, collaboration, and participation.
- The use of digital literacy for employee well-being and their professional career development (Teaching, e-learning and self-development)
- The relevance of technical proficiency for data and information handling

THE USE OF CONTEMPORARY TECHNOLOGY IN HEALTHCARE

(Diagnostic, administrative and care support.)

•Da Vinci Robotic Surgery



BENEFITS

- Less pain
- Less blood loss
- Less scarring
- Fewer complications
- Shorter hospital stay
- Faster return to normal activities

ADVANTAGES

- Greater visualization
- Enhanced dexterity
- Greater precision

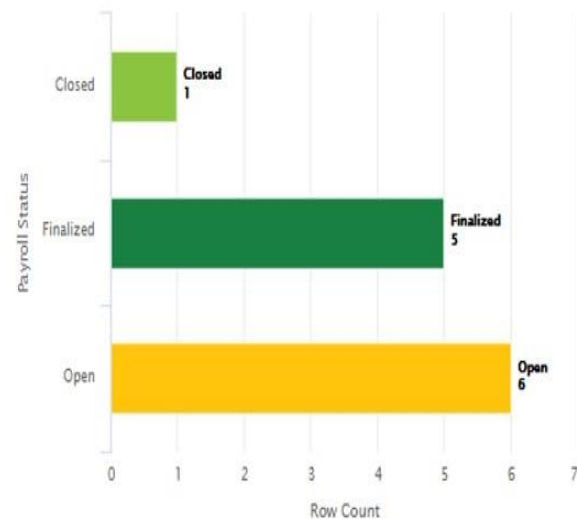
<https://www.youtube.com/watch?v=0XdC1HUp-rU>.

Saved: Payroll Dashboard

+ Add Chart

Payroll Status

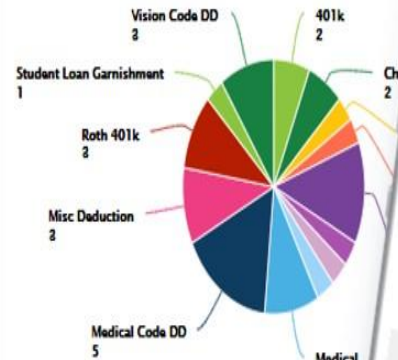
(1)



Row Count

Deductions

(1) Employee Status



- Attendance Tracking
- Employee Scheduling
- Payroll Management
- Company Analytics



Contact tracing does not work
without Bluetooth

[Turn on Bluetooth in your phone
settings](#)



Keep your app updated for the latest
health guidance

[Read more >](#)



COVID-19 guidance >



Check symptoms >



Enter test result >



Settings >



About this app >



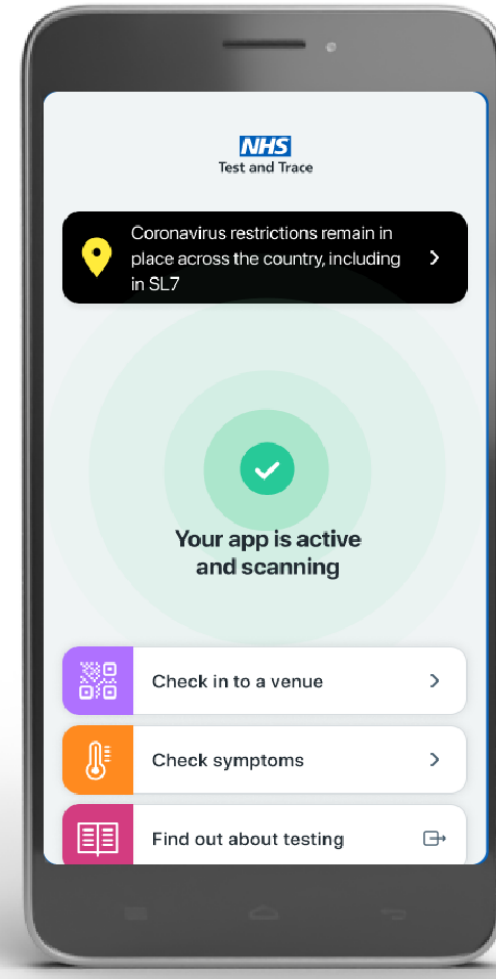
Manage contact tracing >



28th of May
2020



GAEN



alerts you if you've been
near other users with
the app who have tested
positive for coronavirus



use the app's QR scanner
to check into places like
bars and restaurants



check symptoms, book
or order tests

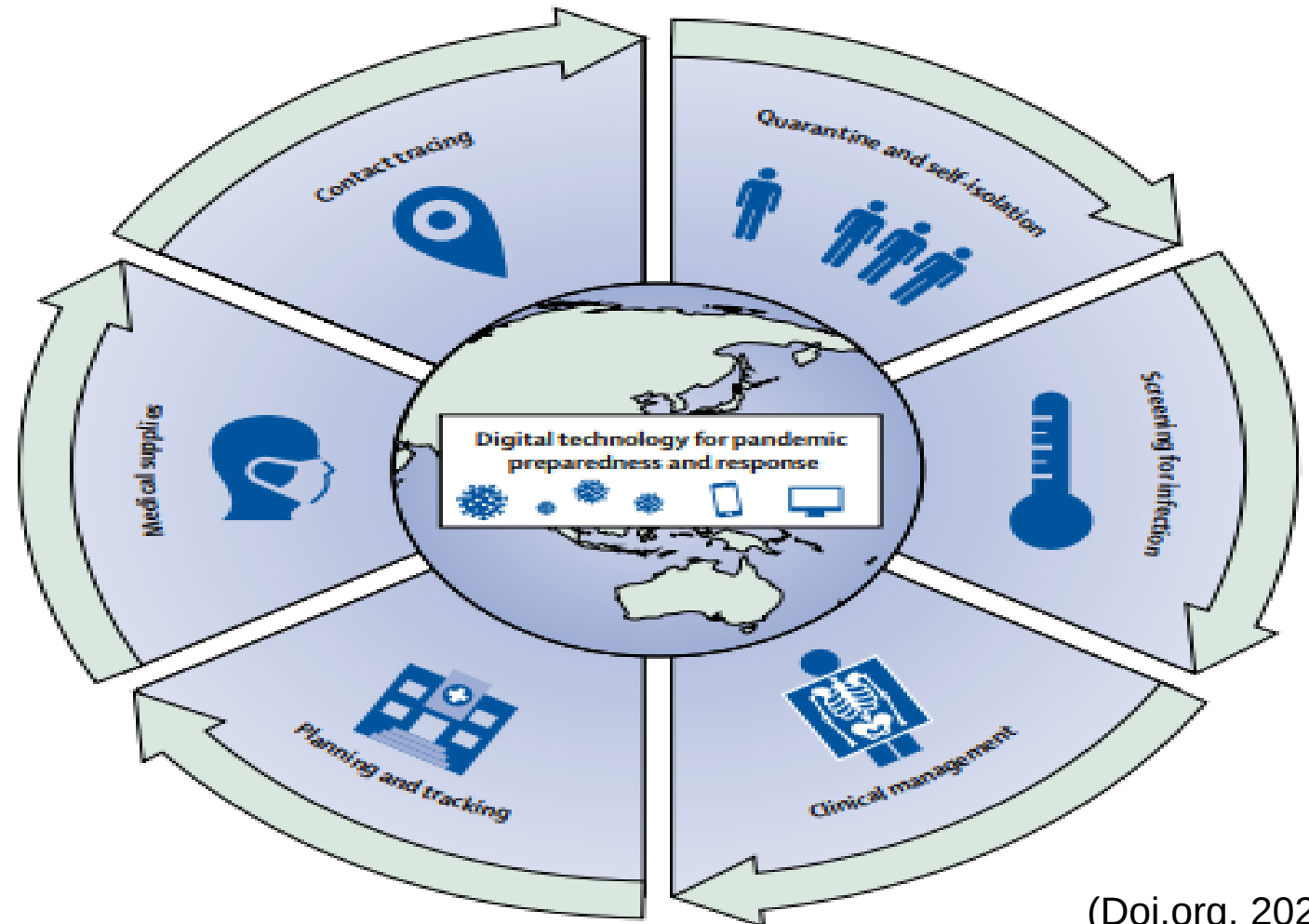


counts down your
isolation days

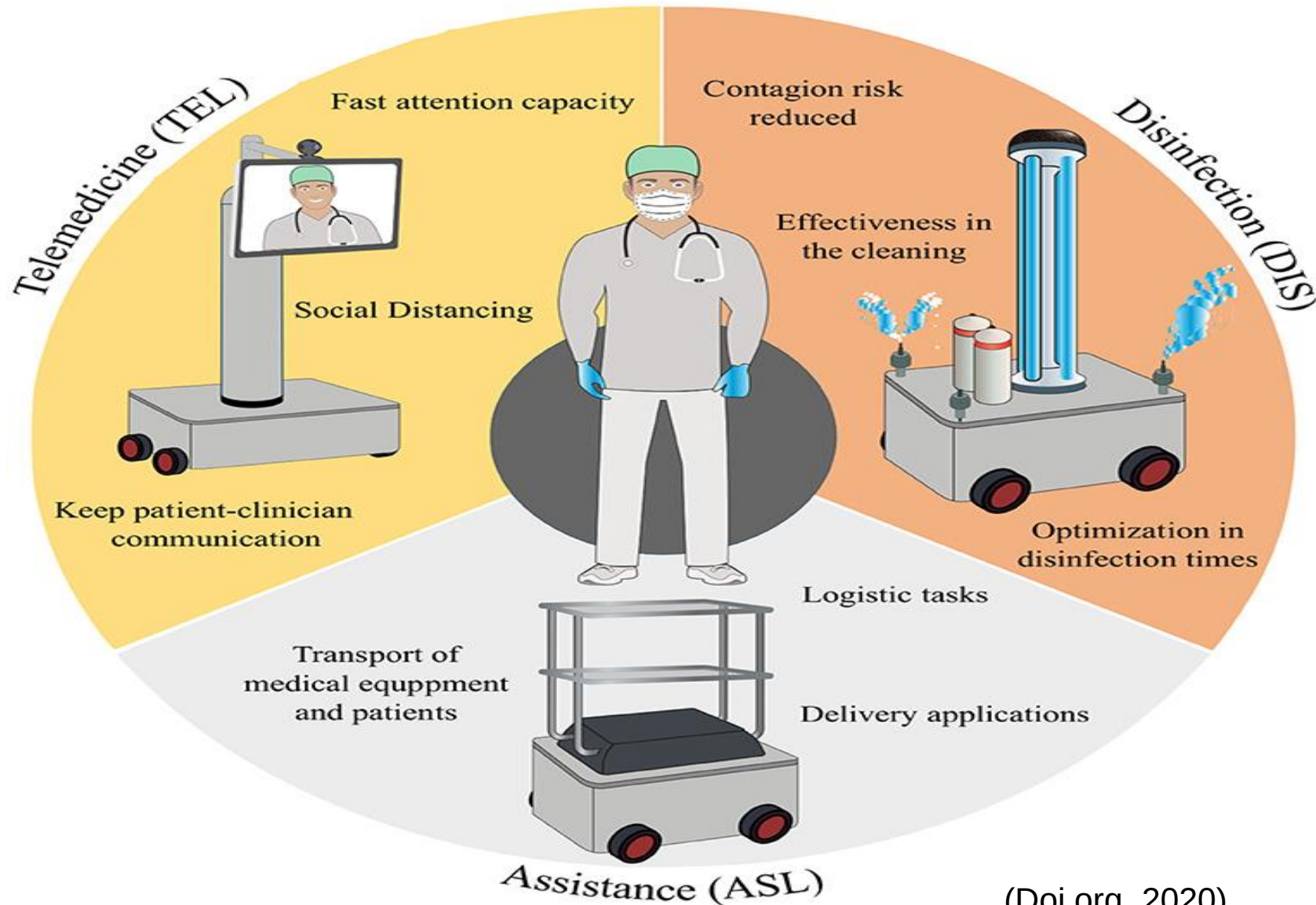
Google apple exposure
notification

THE USE OF TECHNOLOGY DURING COVID-19 PANDEMIC.

1. Planning and tracing
2. Screening for infections
3. Contact tracing
4. Quarantine and self-isolation
5. Clinical management



THE USE OF ROBOTS DURING COVID-19 PANDEMIC



THE USE OF ROBOTS DURING COVID-19 PANDEMIC.



https://youtu.be/GOO_wPI2J8o?t=62

THE USE OF DIGITAL COMMUNICATION, COLLABORATION AND PARTICIPATION.



ADVANTAGES

- Scope.
- Immediacy.
- Closeness.
- Personalized Attention.



(thestem.com, 2022)

COLLABORATION	COMMUNICATION	PARTICIPATION
• Artificial intelligence. • Symptom reporting Apps. • Electronic data and medical records software. • E-cloud	• Secure Text messaging. • Calls • Email. • Telemedicine. • Smartphone health Apps. • Online patient portals. • Mobile clinical decision support services.	• Social media. • Health services survey links. • Medical Apps.





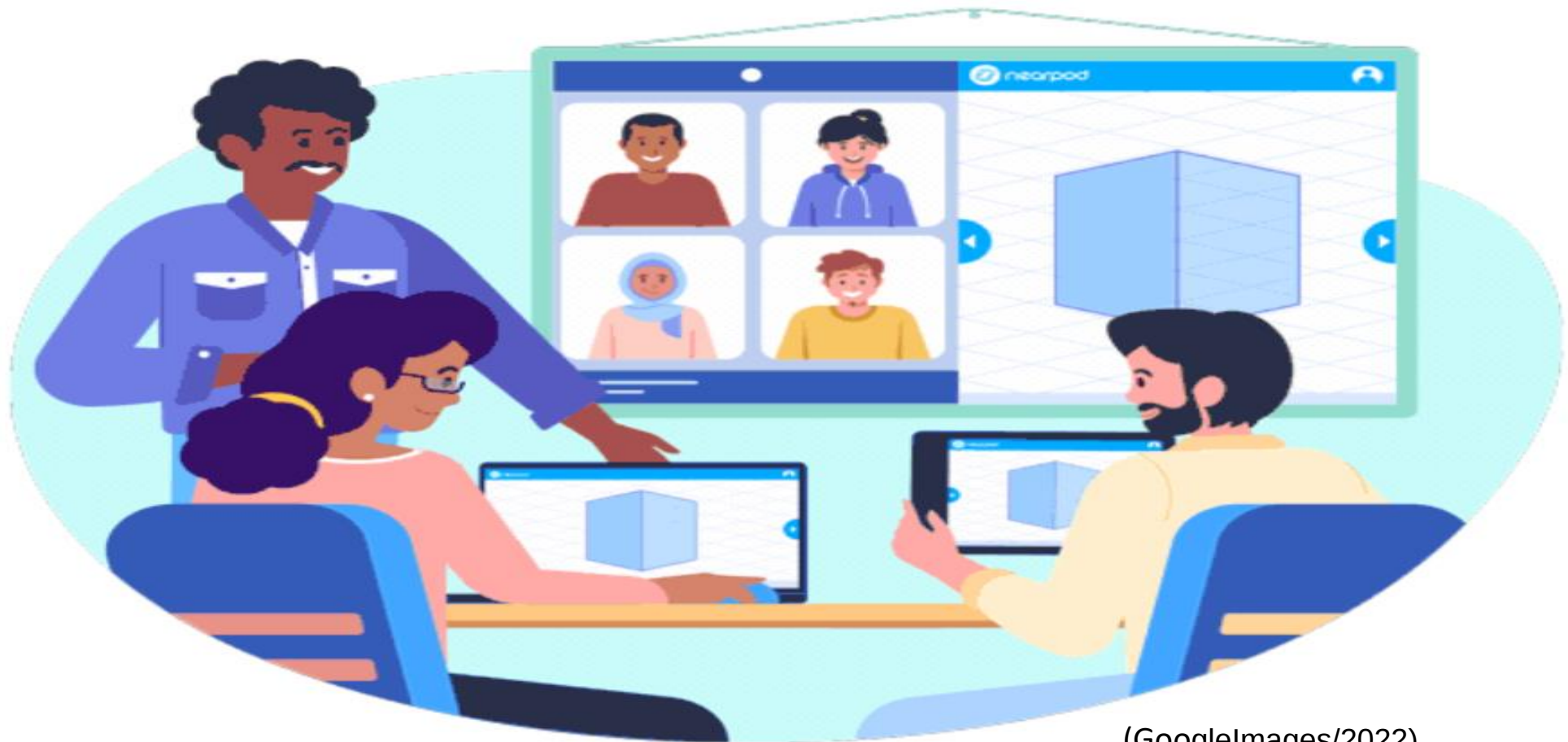
(Google Images/2022).

THE USE OF DIGITAL LITERACY FOR EMPLOYEE WELL-BEING AND THEIR PROFESSIONAL CAREER DEVELOPMENT



(Google Images/2022).

TEACHING

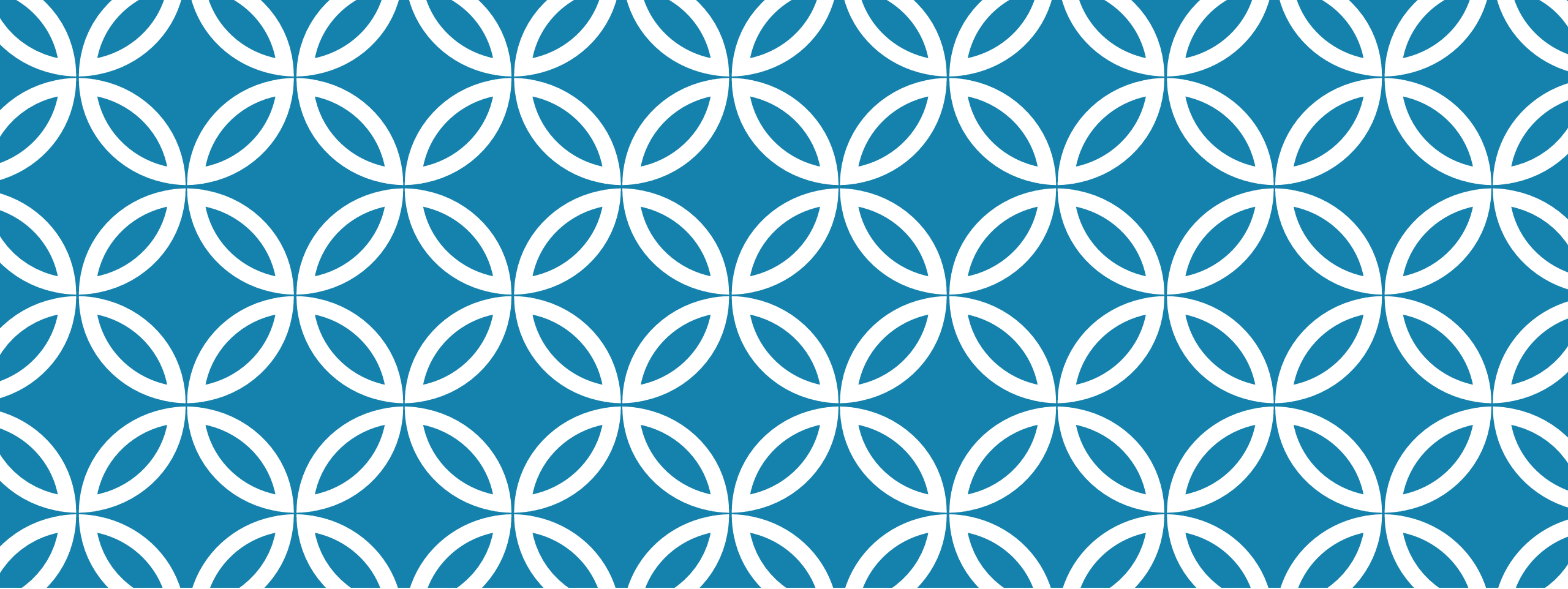


(GoogleImages/2022).

E-LEARNING AND SELF-DEVELOPMENT



(GoogleImages/2022).



**RELEVANCE OF TECHNICAL PROFICIENCY IN DATA
AND INFORMATION HANDLING IN HEALTH AND
SOCIAL CARE SECTOR.**



(Journalofbigdata, 2022)

RELEVANCE

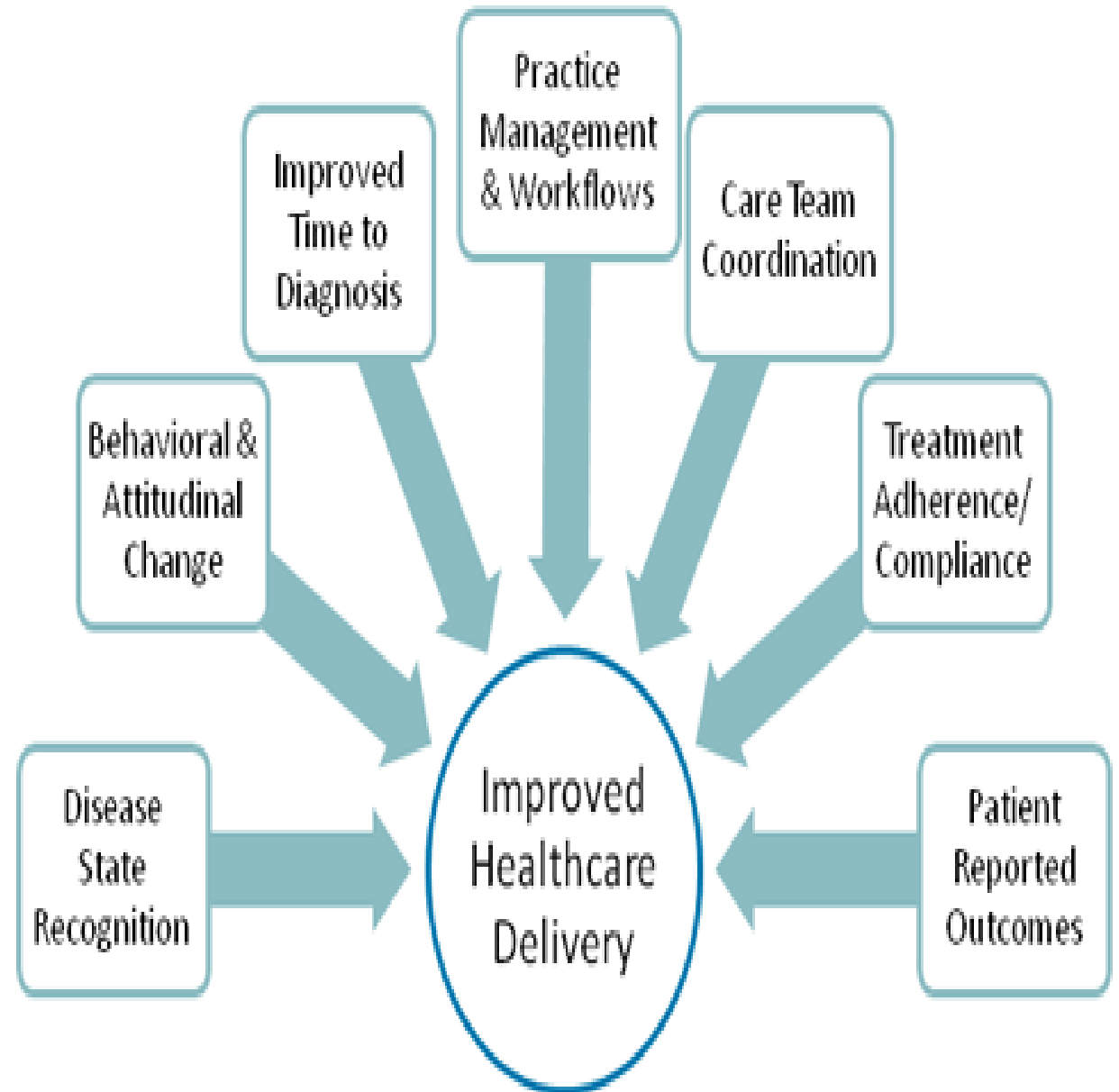
This creates opportunities to:

- Improve on research
- Identify patterns

RELEVANCE

This creates opportunities to:

- Share knowledge
- Improved health outcomes



TECHNICAL PROFICIENCY

It is an ability to

- Collect
- Analyze
- Store
- Retrieve
- Use to make informed decisions



<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3766548/>

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3.
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