

## SBRI Healthcare

Small Business Research Initiative Competition 27 Briefing Event

Chaired by:

Michelle Edye, Senior Programme Manager, SBRI Healthcare

Accelerated Access Collaborative





## Agenda

	Time	Торіс	Presenters
	9:30 -9:35	Welcome and introductions	Michelle Edye, SBRIH PMO
	9:35 - 9:50	Introduction and overview of the SBRI Healthcare Programme and Competition 27	Charmaine Mulligan, SBRIH PMO
	9:50 - 9:55	Introduction to NHS England's Digital Innovation Team	Katharine North, NHSE DIT
	9:55 - 10:15	Digital Therapeutics for work-related mental health - overview of the priority areas	James Woollard, NHSE
	10:15 - 10:35	Q&A session	All (particularly James Woollard)
	10:35 - 10:45	The Health Innovation Network	Helen Hoyland, HIYH
	10:45 - 10:55	The application and assessment process	Rebecca Stevens, SBRIH PMO
	10:55 - 11:25	Q&A session	All
	11:25 - 11:30	Closing remarks	Michelle Edye, SBRIH PMO
Acces	erated s porative	Health Innovation Network Local change, national impact	





- Thank you all for taking the time to join
- Feel free to ask questions in the Q&A box as we go along, and we will answer them in the Q&A sessions
- Please flag any technical issues in the chat
- The slides and the recording will be uploaded on SBRI Healthcare website
- For further enquiries: sbri@lgcgroup.com





## Overview of SBRI Healthcare

Presented by: Charmaine Mulligan, Senior Programme Manager, SBRI Healthcare



- Pan-government, structured process enabling the public sector to engage with innovative suppliers
- AAC programme managed by LGC Group & supported by the Health Innovation Network (HIN)



Improve patient care



Increase efficiency in the NHS



Enable the NHS to access new innovations through R&D that solve identified healthcare challenges and unmet need



Bring economic value and wealth creation opportunity to the UK economy

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### Portfolio snapshot

#### Believe in UNEEG medical get 🕕 better Ufonia 52North AiSentia CONSULT 52North Res Barnardo's domibu University of Sheffield iump First 4 Health Group MOGRIFY. CX) CrossCover kinseed et te UNITY Health Fabr edas good boost RAIQC))))) Streambig MALDABA Walk With Path. CASEMIX o anya Sheffield Hallam Musculoskeletal (G) Neuro Response MEDTECH RIX NHS Hammond Care / apian US Disorders alvie m(.)m B BUCKINGHAM MEDICAL SECURITIES oVRcome. Somerset (👌) YewMaker **Urgent & Emergency Care** UNIVERSITY OF SUSSEX **NHS Foundation Trust** LOCSTOR CENTRE for SUSTAINABLE HEALTHCARE 0 bronze C XR () JANAM TinyMedicalApps. bridgit mackwell VIDA (R) UP=RONT Inequalities in Autism & Learning DEFINITION HEALTH braininhand neurovira Maternity care Disabilities Redmoor LabCycle Integrated care Leading FES Rehabilitatio OML MD/ SAS OnTrack Greener & social care Neuronostics left Transdermal evolv **Practice** neur () tech Activ8rlives NHS Stroke LIAM OAK zilico Royal Devon University Healthcare TinyMedicalApps. \* APPLIED NANODETECTORS Oxford Heartbeat Ceryx Medi Dentistry, Oral FAMILY Manchester University invitron University of Brighton **Health & Oral** AIMES **Child Health** Cardiovascular Disease Cancers Sustainability & Net Zero Vital Signs Solutions ABTRACE Monte Cvted GUARDANT 360 ORION skin Cyted Roche Concentric RUMI DRJULIAN healum ⊕ HUMA NHS braininhand gure.ai olato NHS South West London OpenMedical avatr, 🔍 MediShout Castercal M A CARDISIO DEFINITION HEALTH **CYP** mental health modality **Prevention of CVD** pinpoint ICR The Institute of Cancer Research 0 Ufonia 🚯 Surgery Hero NHS **NHS Reset and Recovery** The Newcastle upon Tyne Hospitals RM endoscope-i patientMpower NHS Foundation Trust my mhealth Activerlives Lenus adherium Early diagnosis of cancer TinyMedicalApps. **Respiratory diseases** Health Accelerated Innovation Access Network Collaborative Local change, national impact





	Support		PRE-COMPETITION	Launch webinars, drop-in sessions and clinics		
			IN-COMPETITION	NICE Metatool Webinar support on: what a good application looks like, Patient and Public involvement, commercialisation, IP, finance, impact, tailored sessions etc		
			IN-PORTFOLIO	Investment readiness programme, showcase events, webinar series on regulatory landscape, roadmap to the NHS, health economics, DTAC, peer to peer support, women in Healthtech Leadership programme		
			IMPACT	Case studies, annual survey and annual report		
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Health Innovation Network NHS









Themed competitions to address identified unmet NHS challenges across early and late stage of innovation

• Particularly suitable for SMEs, but any size of businesses is eligible



Based anywhere in Europe



This competition welcomes applications across the development process

• 12 months, up to £200K, NET

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**SBRI** Competition 27 expected exit points

From testing the technical and commercial feasibility to generating evidence in real world settings:

- Demonstrated technical feasibility and minimum viable product developed
- Evidence gathered towards regulatory documentation
- Demonstrated impact that the proposed technology / solution or project would have on the care pathway it is intending to operate in
- Implementation plans and model for potential regional and national scale up
- Clear identification of barriers and enablers to implementation and scaling up
- Market validation on proposed users and strategy for commercial viability and scalability
- Engagement with relevant partners and key stakeholders (including PPIE) to achieve a sustainable spread of the proposed innovation
- Business plan developed
- Health inequalities impact assessment and steps towards equality, diversity and inclusion, and commitment to reduce inequalities
- Steps towards the carbon neutral strategy and objectives for the NHS

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## Challenges

1. Digital interventions targeting work-related risk factors facing working age population (aged 16-64) with mental health problems in employment, that provide rapid support to individuals to help them **remain in work** 

2. Digital interventions that specifically tackle barriers to work facing unemployed working age individuals (aged 16-64) with mental health problems, to support individuals to **return to work or gain employment** 

3. Digital interventions targeting workplace issues/barriers facing working age population (aged 16-64) from **disadvantaged communities** with mental health problems, to support individuals attain, remain or return to work

<u>Competition Web Page</u> <u>Challenge Brief</u> <u>Guidance for Applicants</u>

Health Innovation Network Local change, national impact





## Digital Innovation Team, NHS England

Presented by: Katharine North Senior Digital Innovation Manager, NHS England

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## **SERI** Digital Innovation Team (DIT), NHS England



Putting innovative tech in the hands of people to support longer and healthier lives

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DIT sits within Innovation, Research, Life Sciences and Strategy (IRLSS)

IRLSS collaboratively work with patients, staff, industry and funders to transform patient care through innovation and research activities

DIT focus on identifying emerging digital innovations and developing delivery approaches to scale adoption of high priority innovation to tackle health pressures and help people live longer, healthier lives

Programmes of work includes Digital Therapeutics (DTx) - subset of digital health technologies that are evidence-based to prevent, manage, or treat a medical condition or disorder

Opportunity to drive innovations in targeting 'Health and Work' to improve patient outcomes, reduce economic inactivity and support economic growth





#### More working-age people are reporting long-term health conditions

- One in three employees currently have a long-term health condition
- Two of the most common causes of sickness absence: mental health and musculoskeletal (MSK) conditions
- 1.35 million working age people are out of work due to depression, bad nerves or anxiety and this is rapidly rising among younger adults (aged 16 – 34)
- MSK is the second biggest cause of sickness absence with 28 million working days lost each year

#### Why work matters for health

• Evidence shows that good work improves health and wellbeing across people's lives and protects against social exclusion

Rising ill-health and economic inactivity because of long-term sickness, UK: 2019 to 2023 - Office for National Statistics Musculoskeletal Health: a 5 year strategic framework for prevention across the lifecourse (publishing.service.gov.uk)









## **SBRI** Driving innovation in mental health



Driving promising digital innovations which target improvement in work-related challenges facing people with poor mental health and support people to return or remain in work

SBRI Competition 27

Awarding up to £200k (NET, excluding VAT) per innovation for up to 12 months

Innovators are expected to generate and evaluate the proposed concept by integrating an evaluative approach to the viability, desirability, and feasibility of a product.

This will demonstrate the potential effectiveness, value and applicability of the proposed approach for potential users.







## Work-related digital innovations for individuals with poor mental health

Presented by:

Dr James Woollard National Specialty Advisor for Digital Mental Health, NHS England Consultant Child and Adolescent Psychiatrist

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**Health** Innovation Network INHS



Mental health is just like physical health: everybody has it and we need to take care of it

Good mental health means being generally able to think, feel and react in the ways that you need and want to live your life. But if you go through a period of poor mental health, you might find the ways you're frequently thinking, feeling or reacting become difficult, or even impossible, to cope with

Mental health problems include depression, bipolar disorder, psychosis and anxiety disorders

In any one year, **1** in **4** of us will experience a mental health problem

Information and support - Mind







## Mental ill health is rapidly rising

Prevalence of depression has increased from 5.8% (2012) to 13.2% a decade later in 2022

In the poorest communities, depression rate is twice as high



Prevalence of health conditions by year

Independent investigation of the NHS in England -GOV.UK (www.gov.uk)

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### Inequalities in mental health



Network



## Impact of mental ill health on work

Significant increase of people who are out of work due to mental health conditions compared to prepandemic levels

20–34-year-olds out of the workforce reporting a work-limiting mental health condition has more than doubled

100,000 more 50–64-year-olds report work-limiting mental health than a decade ago

Independent investigation of the NHS in England -GOV.UK (www.gov.uk)





Number of people out of work due to long term health condition





## The impact of work on mental health

To feel good at work we all need the following:





John struggles with travel at

peak times due to **crowds**. He

has a lot of **worries** at home

anxious when he enters the

to deal with, and so feels

office in the morning.

### A day in the life of John

11am

3pm

9am

10am





John has a report to finish but feels overloaded due to his mental health being worse today. He **cannot focus** and is **worried** about asking others in the team for help.

He has carer **responsibilities** 





#### 1pm

John meets with a **customer**; he feels **anxious** when talking to her as she makes him **feel** unsafe. He wonders if he should try and find a **different** through all the things he has **job**, but that's another thing to do.

2pm

He has a quick tea with a colleague he has known for a finish his report, he does not long time, which helps to calm him down by talking on his mind.

John tries to concentrate to cope well under pressure.

4pm

12am

He juggles finishing his report with numerous work phone calls. He gets irritated at one colleague as he **panics** trying to get his work done on time.

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# The potential of digital as an option for people with poor mental health

#### **Barriers to support**

People in work or who juggle numerous responsibilities may find accessing current F2F services difficult and **inconvenient** 

Waiting times may lead to help and **support not being available** when someone needs it

Those not in employment or the self-employed may **not know where to turn** for help

There is still a **stigma** attached to mental health and people may not feel comfortable disclosing their condition to their manager or work coach

Some may find current services **inaccessible** or **unsuitable** for them

.









**Digital solutions** 

**Available** anytime, anywhere, providing help on demand, simple, **convenient** and easy to use

**Rapid** support to address work-stressors and tackle barriers to work by (e.g.) helping users to work through and plan for scenarios

**Empowering** employees, considering individuals' capability and motivation to manage confidence, knowledge and behaviours around mental health

Digital technology can enable **anonymity and** adds to **patient choice** between the F2F and digital option

Opportunity to tailor/**personalise** interventions targeting individuals, peer or organisational **support** (i.e. consider context of work ecosystem) to ensure intervention is effective

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## Impact of deprivation, education and digital literacy

Important to ensure **involvement of lived experience** and **accessibility** of digital innovations given the contribution of **deprivation** and **low digital literacy** to challenges with employment

Areas with the highest economic inactivity due to ill health are more deprived

People with no/low qualifications find it harder to move into employment which is exacerbated by having a health issue

Low educational attainment and limited digital skills are closely linked, with evidence showing that individuals with lower levels of education often have weaker digital capabilities

The digital skills gap is more pronounced among those from disadvantaged backgrounds

How can the next government improve the health of the workforce and boost growth? - The Health Foundation 231122-lloyds-consumer-digital-index-2023-report.pdf (lloydsbank.com)

GoodThings\_EconomicImpactOfDigitalInclusion\_2022.pdf

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#### Number of people with health condition in/out of employment and level of qualification







## Sub-challenge 1: Provide rapid support to individuals to help them remain in work

Work-related risk factors for those with mental health problems include (but are not limited to):

- Anxiety associated with the workplace environment and difficult conversations with customers, managers, or colleagues
- Feeling overloaded when faced with multiple work pressures, in combination with pressures from outside of work

### Ask of innovators:

- New and better ways to effectively address workplacebased issues, to help individuals with mental health problems remain in the workforce
- End-users could be the individuals themselves or their employer







### Sub-challenge 2: Support individuals return to work or gain employment

Individuals with poor mental health experience barriers to attain or return to work, particularly young people. These include:

- Anxiety around interaction with people and/or workplace environment
- Social and emotional issues
- Lack of confidence
- Being treated unfairly (experiencing stigma)
- Worrying about returning to work after a period of poor mental health
- Unsuccessful job applications reducing confidence

#### Ask of innovators:

- New and better ways to tackle barriers to work facing individuals with poor mental health that are unemployed, to support them gain or return to employment
- Include those out of work for long periods and where a career change is needed to better fit the individual's circumstances









# Sub-challenge 3: Target disadvantaged communities to support individuals attain, remain or return to work

Individuals from ethnic minority or low-income backgrounds or areas of social deprivation experience worsening work-related mental health outcomes:

- Challenges created by poor mental health are pronounced in ethnic minority communities
- People in lower income households are more likely to have unmet mental health treatment requests
- High levels of inequality in access to, and experience of, current mental health care is evident for young people, the homeless, LGBTQ+
- People living with physical or learning disabilities can be more likely to experience poor mental health compared with the general population
- People with no/low qualifications find it harder to move into employment, which is exacerbated by having a health issue

#### Ask of innovators:

• New and better technology targeted at addressing the challenges facing these communities to support them attain, remain or return to work











The following innovations are already in use or out of scope:

#### **Technology types**

- Non-digital solutions
- Any technologies that **negatively impact staff workloads** and that require high upfront capital investment by clinical services
- Technologies for use by those **under 16** years of age
- Solutions that will not easily integrate with NHS/community setting systems
- Technologies that will exacerbates health inequalities (including digital exclusion or data inequalities) and inequity of access to care
- Technologies that **do not comply with GDPR policies**.
- Innovations that are not co-designed with end users (i.e., developed without their direct input)
- Digital tools not underpinned by evidence-based behavioural change models (e.g.COM-B model)

#### Target audience / conditions

- Physical health innovations
- Innovations targeting comorbidities
- Innovations not specific for working-age young people, adults and older adults with mental health problems to support individuals return to or remain at work or gain employment (including general mental health innovation that are not specific to work-related issues/ barriers)

#### **Existing interventions**

- General symptom monitoring tools
- Wellness or wellbeing digital applications on healthy diet and/or physical exercising
- Mood diary or self-help, organiser apps, Employee Assistance Programmes (EAP), Mental Health First Aid
- General mental health improvement technologies used within NHS Talking Therapies services (e.g. Digitally Enabled Therapies which are tools which deliver a substantial portion of the intervention online and are delivered with the support of a clinician))

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## Q&A session- please do fire up any questions you might have in the Q&A box





## Health Innovation Network Support

Presented by:

Helen Hoyland, Head of Commercial Innovation & Growth, Health Innovation Yorkshire and Humber

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**Health** Innovation Network NHS



Health Innovation Yorkshire & Humber

Transforming Lives Through Innovation

### The HIN's role in supporting SBRI:

Work-related digital innovations for individuals with poor mental health

Helen Hoyland Health Innovation Yorkshire & Humber

#### Health Innovation Network

## **'A network** of networks'

Local expertise, national impact


**Health Innovation** Network

#### We support health and care teams to adopt innovations that will benefit patients



We support innovators to develop and safely deploy their innovations into the NHS

## **The Health Innovation Networks' Role**



**Improving Health** 



Reducing costs for the NHS



Driving growth and securing jobs



Health Innovation Yorkshire & Humber



# **The Innovation Pathway**

Health Innovation Network

## The seven conditions for successful innovation adoption



## **Working with Health Innovation Networks**



Identifying and understanding unmet needs Identifying potential solutions with market analysis and due diligence



Supporting RWE and implementation of technologies



Sharing examples of best practice and benefits realisation across wider Health Innovation Network



Health Innovation Yorkshire & Humber

# The HIN's support to SBRI applicants

Intelligence around local and regional healthcare priorities

Market awareness of emerging innovation and where there are gaps

Stakeholder engagement with regional experts to ensure that innovations align with key needs

Product review and development, including evidence and regulatory environment

Review of commercialisation plans/business model

## The HIN's support to SBRI

Review of spread and scale approach/implementation feasibility – barriers and levers

Contributing to improvements in patient care in key priority areas.

Support with health economic evaluation

Dissemination of results

Support with procurement frameworks.

### Support to applicants: What's our Offer



### **Transforming Lives Through Innovation**



#### Health Innovation Yorkshire & Humber

Sophie Bates Sophie.Bates@yhahsn.com info@yhahsn.com https://www.healthinnovationyh.org.uk/

# Assessment process and how to apply

Presented by: Rebecca Stevens, Senior Programme Manager, SBRI Healthcare





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- 1. How well does the application address the challenge brief and does the proposed solution benefit patients, the NHS and/or Social Care Sector and the wider market? 20%
- 2. Are the project plan, deliverables and risk mitigation strategy appropriate? 15%
- 3. Is the product innovative, will it have a competitive advantage over existing and alternative solutions and are the arrangements surrounding the use and development of Intellectual Property appropriate? 15%
- 4. Does the proposed project have appropriate commercialisation and implementation plans? 15%
- 5. Does the proposed innovation have potential to enhance equity of access and does the project include consideration towards patient and public involvement? 10%
- 6. Does the proposed technology have potential to contribute to net-zero emission? 5%
- 7. Do the host organisation and project team appear to have the right skills and experience to deliver the project? 15%
- 8. Are the costs justified and appropriate? 5%







# Work-related Digital Innovations for Individuals with Poor Mental Health



### Key dates

Competition launch	9 October 2024	
Competition close	1pm, 13 November 2024	
Assessment	November - December 2024	
Contract awarded	February 2025	







### **SBRI** Application process – www.sbrihealthcare.co.uk







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# **SBRI** The Research Management System (RMS) Portal



#### **Existing Users**

#### New users

Please log in to access your account.

Please log in to access your account.
Email
Please use your organisational email address to register.
If you are a public reviewer or public co-applicant you may use your personal email address to register. Please select PPI representative for organisation and public reviewer/public co-applicant for Expertise/Position in the registration form.
Please allow up to two working days for registration details to be reviewed, validated and approved.
Register System Help I
Forgot Password?

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Dr Team Mem	Welcome to Programme Management Office Research Management System, Dr Team Mem.
Home	Feedback
My Applications My Co-applications	Kindly take a moment to anonymously share your thoughts on your user experience through the System Feedback Form.
My Grants My Research Outputs	Please enter details of your CV
My Reviews My Tasks	Please ensure that your details including your CV, are up-to-date as these are required for the submission of an application. You will not be able to edit this information directly from an application form. To edit your details go to My Details and complete the basic information and update your CV.
Manage My Details Contact Us	New Grant Application
Logout	To apply for funding from one of our grant streams click here.
System Help 鬼	You have

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#### Programme Management Office

Research Management System

#### Dr Team Mem

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Open funding rounds

Grant Type

SBRI Competition 27

NHS challenges.

The table below shows all the funding rounds currently accepting applications.

Click Apply to access the online application form for the type of grant you wish to apply for.

Click More info to view additional information about each funding round.

SBRI Healthcare is an NHS England initiative that aims to promote UK

enhancing the uptake of best practices. We invite organisations to

come forward to develop and test innovations that address specific

economic growth while addressing unmet health needs and

New Application

My Applications

My Co-applications

My Grants

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**Closing Date** 



Health Innovation Network

**Funding Round** 

Poor Mental Health

SBRI Competition 27 - Work-related

Digital Innovations for Individuals with



#### Programme Management Office

Research Management System



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		My Co-applications         You have 33 co-applications awaiting submission.					
	My Co-applications						
irmed Last Updated Application Status	Role Confirmed Last Updated	Main Applicant	Title	Reference	My Grants		
07/10/2024 11:34:33 Pre-Submission		[Lead Applicant]	[Application Title]	27945	My Research Outputs My Reviews		
					Contact Us		
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					My Tasks Manage My Details Contact Us Logout		

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Research Management System



Dr Team Mem TeamMem@lgc.com

Dr Team Mem				
Home		ust first 'Confirm' your participation before the application can be submitted by the Lead Applicant. Please date (this can be updated in the manage my details section).	Role: Co Applicant Actions shown below are for your involvement as a Co	
My Applications	Lead Applicant	[Lead Applicant]	Actions shown below are for your involvement as a Co Applicant	
My Co-applications	Title	[Application Title]		
SBRI Competition 27	Reference	27945	Confirm your participation	
Ref: 27945	Status	Pre-Submission	I have read the terms and conditions under which grants	
Details	Total Requested	£250,400.00	are awarded, and, if this application is successful, I agree to abide by them. I shall be actively engaged in the day-	
My Grants	Organisation	[Host Organisation]	to-day management and control of the project and this	
My Research Outputs	Grant Type	SBRI Competition 27	proposal.	
My Reviews	Funding Round	SBRI Competition 27 - Work-related Digital Innovations for Individuals with Poor Mental Health	Confirm	
My Tasks	Closing Date	13 November 2024 1pm		
Manage My Details			Reject your participation	
Contact Us	Participants	<u>Co Applicant</u>	If you do not wish to participate in this application or	
Logout		Dr Team Mem	think that this approach was in error please click the reject	
System Help ว		Confirmed No participation	button below. This will send an email to the lead applicant and remove you from the application.	
			Reject	







### Q&A session- please do fire up any questions you might have in the Q&A box





#### SBRI Healthcare will hold a Q&A session for any additional questions applicants might have during the application process on 29th October 2024 from 9:30 to 11:00 am Register here: https://www.eventbrite.co.uk/e/getting-ready-to-apply-sbrihealthcare-competition-27-tickets-1023361530887

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### **SBRI Healthcare**

LGC Ltd **Grant Management Group 15 Church Street** Twickenham TW1 3NL

Contact us for advice and specific guidance: T 020 8843 8125



sbri@lgcgroup.com



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