

Adaptation to Climate Change

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Scotland's climate is warming and we are facing more extreme weather and rising sea levels. Limiting global warming to 1.5°C will require rapid, far-reaching and unprecedented changes in all aspects of society. More work is urgently needed to prepare the personnel, the systems and the facilities of the NHS, as well as other institutions involved in healthcare, for the implications of unavoidable climate change. This session will consider what NHSScotland is currently doing to assess the developing impacts of climate change, and what more needs to be done to ensure we are properly prepared properly prepared...

Why adapt?



Leading health bodies urge ministers to be 'properly prepared' as extreme weather events such as flooding or heatwaves become more common



UK Health Alliance on Climate Change urged ministers not to "wait for disaster" before acting.









There is alarming evidence that important tipping points, leading to irreversible changes in major ecosystems and the planetary climate system, may already have been reached or passed.





Impacts on Health and Social Care Systems – High Risk





Glasgow's major roads, railways and hospitals at risk from climate change study

Exclusive: Storms, flooding and heatwaves could severely impact the city by 2050, an in-depth study reveals



▲ Up to 1.8 million people in the Glasgow area could be affected by regular heatwaves and heavy winter flooding in future, according to the study. Photograph: Henri Martin/Alamy

- Flooding and high temperatures pose the greatest risks to people and the greatest need for action in the next five years.
- These risks interact across multiple levels – communities, buildings, health systems and individuals



Climate change adaptation for the health and social care system is two-fold:



- Climate change could negatively impact the physical and mental health and wellbeing of the UK population. The health and social care system needs to be prepared for different volumes and patterns of demand.
- Climate change could impact the operational delivery of the health and care system. The system infrastructure (e.g. buildings, communications, emergency service vehicles, models of care) and supply chain (e.g. fuel, food, care supplies) need to be prepared for and resilient to weather events and other crises.



UK Climate Change Risk Assessment 2022



- Ch 5 risk of climate change to the health and social care sector
- Barriers identified e.g. lack of knowledge / awareness of local impacts, need mandated action
- Better communication of climate risks is needed for managers and frontline staff





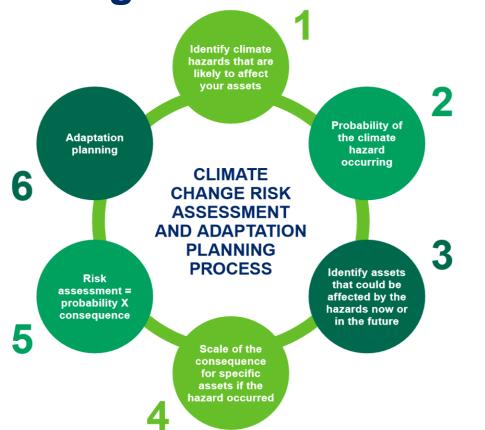




What have we done?



Climate Change Risk Assessment and Adaptation Planning



Understand climate risks and prepare action plans



NHS

SCOTLAND

Progress to date





Work in partnership



ADAPTATION TO CLIMATE CHANGE



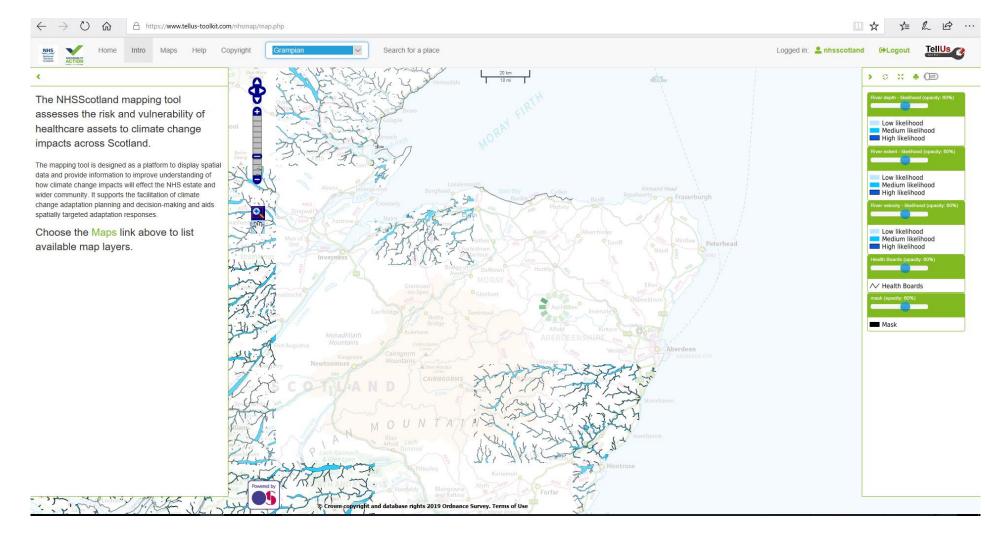
CCRA and Adaptation Planning Tool for Healthcare Assets

NHS Sci Climate Change Risk Assessme	START START	n Planning Tool	
Guida			
The following worksheets will allow you to assess the climate change risks to your health care assets implications for service delivery and this sho Note: Many of the cells within this workbook are lo	uld also be con cked for editing	sidered when using the tool.	ese assets will have
Dashb	oard		
When viewing the Dashboard you will need to select your board from the drop down menu as marked in the image, this ensures the correct filters are applied and new data is associated with the correct board.		NHS Scotland Climate Change Risk Assessment & Adaptation Planning Tool	
you wish to view a summary of both existing and future risk lease click here.	- provide a second	select your Board:	
you wish to view and update the adaptation plan for any entified risk then please click here.	NHS 24	View Risk Summary	·
input new data into the tool please click here.	_	View Adaptation Plan	
ease click here.	Manag	ement Tools:	
o remove existing information from the database ease click here.	-	Generate New Record	
ne login command is for database management purposes, it will unlock the database for manual lits, in order to do this t he user will require a password.		Update Record	
NOTE: The password should not become openly available as it leaves the workbook in a state which could easily be broken.	Databa	Remove Record Database Management:	
	-	Login	
Generate N	ew Record		



Climate Change Risk and Vulnerability Web-based GIS Assessment Tool









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What's next?