



# Carbon Literacy for Healthcare Leadership Toolkit Overview

This document gives you an overview of what's included in the Carbon Literacy for Healthcare Leadership Toolkit. This includes extracts from the slide deck, trainer manual and other support documents.

For further details please see our website: <https://carbonliteracy.com/toolkits/healthcare/>



# Getting Started

Welcome to your Carbon Literacy Training Pack. This pack contains all the information you need for your training. Please read the attached documents to understand more about your training pack, how your learners gain certification and what steps to take to ensure your learners get the best Carbon Literacy experience.

**The toolkit can only be used for certified Carbon Literacy training, as stipulated in the Legal Terms and Conditions. Please do not share the toolkit with anyone outside of your organisation as it's important that we can keep track of who has the toolkit. Instead, please direct interested parties to <https://carbonliteracy.com/toolkits/> where they can find out more and get in touch.**

Our documents change from time to time. To ensure you're always using the most up-to-date version, please refer here to find any documents that are starred (\*) over these two pages.

## **Documents to get you ready to deliver Carbon Literacy training:**

- 1. Getting Started**  
This folder contains our Certificate Marking Guide, Trainer Code of Conduct, Bank Details doc and Course Evaluation Forms.
- 2. PowerPoint Slides**  
You will find a copy of the slide deck within this pack, see the slide notes for brief delivery support notes.
- 3. Trainer Manual**  
This manual covers all of the information the trainer(s) will need to deliver the course, including the knowledge and information needed to run the activities.
- 4. Activity PDF**  
Please inform learners that the Activity PDF is interactive and that they can type/write/tick in the boxes. Please ensure that learners have access to the Activity PDF throughout the course.
- 5. Carbon Literacy Resources document**  
This document can be shared with learners who are looking for further learning resources (this will be reviewed and added to every 6months)

# Carbon Literacy for Healthcare Leadership

## Trainer Manual

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Healthcare Leadership  
CC000258  
Distance Delivery  
V2

**2022**

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The Carbon Literacy Project

  
Department for  
Business, Energy  
& Industrial Strategy

**GMCA** GREATER  
MANCHESTER  
COMBINED  
AUTHORITY

Carbon Literacy  
Project





# CL for Healthcare Leadership - detailed trainer guide

This guide will provide you with all the information you need in order to carry out the Carbon Literacy for Healthcare Distance Delivery course. Please note that it is not meant to be read as a script but to be used as a guide for running the training. For more succinct delivery notes (flashcard style), please see the slide notes underneath the slide deck. This guide will provide instructions to every section of the training, including what to do when learners are entering the room and how to wrap up the session.

***Carbon Literacy: “An awareness of the carbon dioxide costs and impacts of everyday activities, and the ability and motivation to reduce emissions, on an individual, community and organisational basis.”***

## Using this Trainer Manual

1. Name of section
2. Timing
3. Material/preparation
4. Purpose/aim of activity
5. Additional notes- supporting information on the topic (science/facts/data/stats)

**Blue notes**– slides that are designed to be edited by the trainer.

**Orange notes**– are activities or involve active learner engagement.

**Green notes** – contain videos that learners watch on their own devices.

This training is a day of learning. This day of learning can be delivered in a single day, or over multiple days – this depends on the delivery structure that is best suited to your organisation and your learners.

We recommend leaving no more than one week between training sessions for continuity.

## Running Order:

		Activity Duration (Hrs:Mins:Secs)	Time
Intro	Introductions/Tech check	00:10:00	9:30:00
	What is CL / Why CL in our sector?	00:10:00	9:40:00
	Introduction activity for leaders	00:15:00	9:50:00
	Training overview	00:01:00	10:05:00
Module 1	Climate Change: The Facts Documentary & Discussion	01:10:00	10:06:00
	Break	00:10:00	11:16:00
	Weather vs climate	00:02:00	11:26:00
	The greenhouse effect and GHGs	00:04:00	11:28:00
	The scientific consensus and emission trajectories	00:09:00	11:32:00
	Pathways to our future	00:05:00	11:41:00
	Global impacts & health (including video)	00:08:00	11:46:00
	Climate change impacts in "your local area"	00:02:00	11:54:00
	How is everyone feeling?	00:02:00	11:56:00
	How does climate change impact health?	00:02:00	11:58:00
Module 2	Climate change and Health	00:13:00	12:00:00
	Climate risks activity	00:15:00	12:13:00
	Break	00:10:00	12:28:00
	Equity and vulnerability	00:09:00	12:38:00
	Climate change and COVID-19	00:04:00	12:47:00

Module 3	Co-benefits case study	00:05:00	12:51:00
	Co-benefits activity	00:20:00	12:56:00
Module 4	The Policy position	00:21:00	13:16:00
	Climate emergency for Leaders	00:03:00	13:37:00
Module 5	Healthcare Carbon Footprints	00:16:00	13:40:00
Module 6	Innovation in the NHS	00:35:00	13:56:00
	Greener NHS Programme workstreams	00:08:00	14:31:00
Module 7	What does this mean for your ICS/region?	00:20:00	14:39:00
	Break	00:10:00	14:59:00
	Climate conscious decision making	00:23:00	15:09:00
	The power of the individual	00:10:00	15:32:00
	Break	00:10:00	15:42:00
Module 7	Developing your action pledge	00:40:00	15:52:00
	Talking about climate change video	00:08:00	16:32:00
Wrap up	Wrap up	00:10:00	16:40:00
	End time	5:00:00 pm	16:50:00
	Total training time (inc. breaks)	07:20:00	



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## Introductions / What is Carbon Literacy?

**Material:** Slides

**Timing:** 10 minutes

**Purpose:** Welcome participants and provide background to the Carbon Literacy Project.

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Welcome participants.

### Introductions (01:00)

*Before the training:* Adapt this slide if you wish to use this to introduce yourself and your co-facilitators.

### Legal Terms and Conditions (00:30)

These are the legal terms and conditions.

The Carbon Literacy **Healthcare** Toolkit and all its components are covered by a **Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International (CC BY-NC-ND 4.0) Licence** and this formulation of materials is **Copyright © The Carbon Literacy Trust 2022**.

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## The Scientific Consensus and Emission Trajectories

**Material:** Slides

**Timing:** 9 mins

**Purpose of Activity:** Making learners aware of the scientific consensus behind the severity of the climate crisis. Trainers are unlikely to encounter climate change denial but it's still very important to emphasise the credibility of the science.

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### Level of CO<sub>2</sub> over the past 800,000 years (1:00)

This is a slide that trainers are advised to review to ensure that the scientific and policy content is up to date before course delivery.

This graph shows global carbon dioxide levels during ice ages and warm periods for the past 800,000 years.

This shows atmospheric carbon dioxide concentrations and is based on ice core data (in parts per million [ppm]) for the past 800,000 years.

The movement in carbon dioxide levels highlight the coming and going of ice ages (lower levels) and warmer interglacials (higher levels).

Throughout these cycles, atmospheric carbon dioxide was never higher than 300 ppm BUT in 2019, it reached 409.8 ppm (black dot).

It's important to highlight that there has never been this much CO<sub>2</sub> in the atmosphere over this time period.

### The Intergovernmental Panel on Climate Change (IPCC) (2:00)

The Intergovernmental Panel on Climate Change (IPCC) is the United Nations body for assessing the science related to climate change.

Through the IPCC, thousands of experts from around the world synthesise the most recent developments in climate science, adaptation, vulnerability, mitigation and synthesise it into major 'assessment' reports every 5–7 years.



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# Module 6

## Innovation in the NHS

**Material:** Slides, activity pdf (Innovation reading cards), breakout rooms, whiteboard function OR pen and paper.

**Timing:** 35 minutes

**Purpose:** To explore areas where learners can focus on carbon reduction across the NHS, including carbon hotspots and case study examples.

**Preparation:** Please familiarise yourself with the innovation cards and feedback slides.

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### Innovation cards (35 :00)

This activity allows learners to explore NHS carbon hotspots and look at where intervention is needed and how this is being achieved within the NHS, using case studies. You have 35 minutes to complete this activity.

#### Activity instructions

There are innovation reading cards within the activity pack. These focus on different topics where the NHS is looking to reduce emissions. These cards outline: 1. The challenge 2. What we need to be doing 3. What's already being done / case studies. The innovation reading cards should inspire learners to think about what more they could be doing in their job role to reduce emissions in these areas.

*We advise pre-allocating learners to breakout rooms based on their job role but this is not essential. We also recommend that trainers familiarise themselves with the innovation reading cards before delivering the activity for the first time.*

There are 5 different topics. It is ideal if your cohort is large enough to allocate each breakout room one topic. If you are delivering to a smaller training group, please select the topics that are most relevant to the group and focus on these, and if there is time, use the feedback slides to run through the highlights from the topics the breakout rooms haven't covered.

Explain that one member of each group will need to open their activity pdf on the 'NHS Innovation reading cards' and share their screen. Instruct each breakout group to focus on a

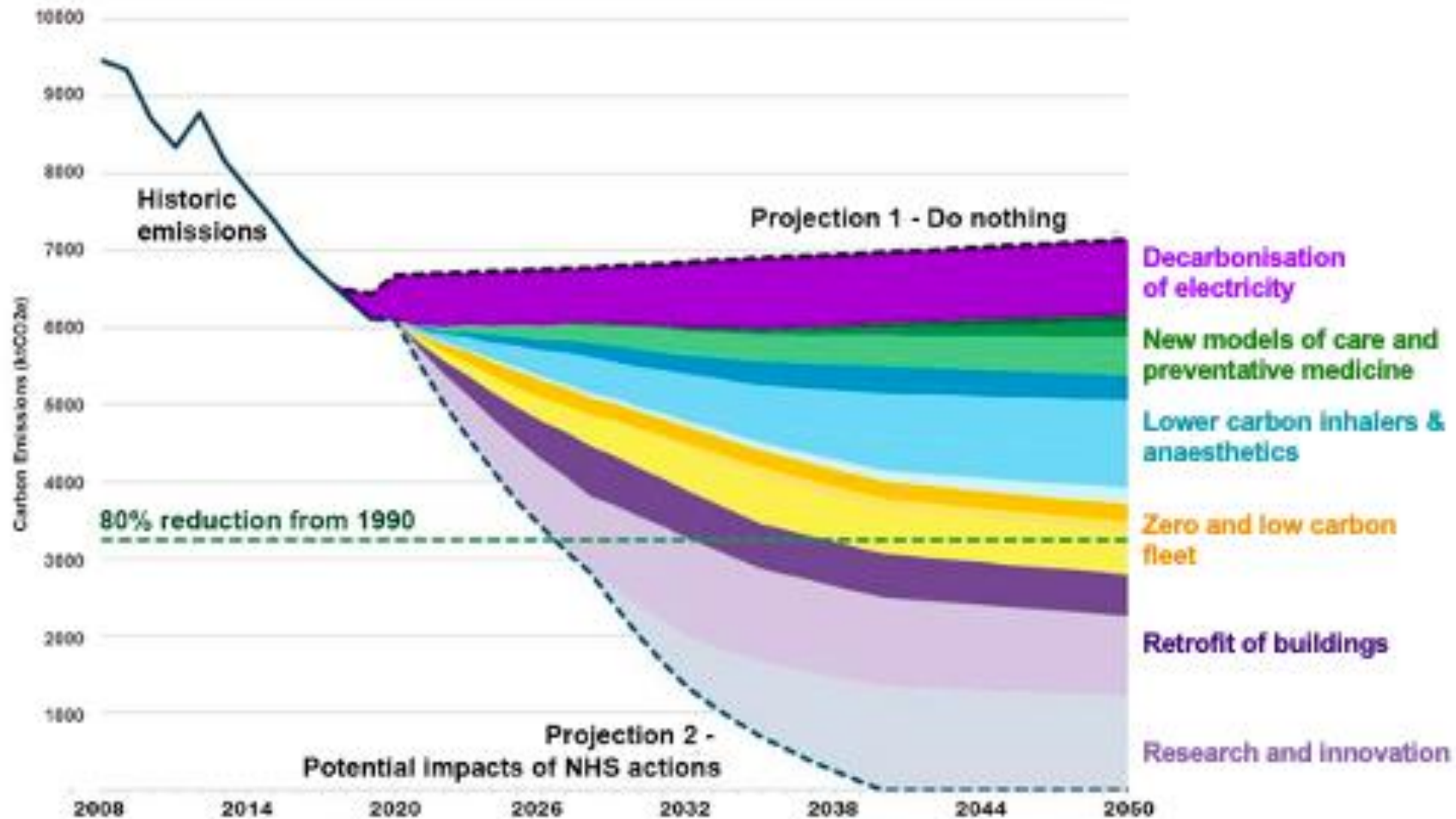


## By the end of your training you will have:

- Gained an understanding of the **basic science of climate change** and how climate change is affecting us both **globally** and **locally**
- Gained an understanding of how climate change is affecting the health service.
- Explored the low carbon objectives in your health service, and gained an understanding of the Greener NHS programme's plans to deliver these
- Created an **action plan** to help reduce your carbon footprint and the carbon footprint of your workplace
- Explored strategies for influencing others to take action on climate change



# NHS Trajectory: for emissions under our direct control





## Activity: Climate risks

Think about the **risks** climate change poses to **healthcare services**

- What are the most significant risks?
- How will the risks challenge the NHS and your role?

Think about...

- Strain on resources, procurement, finance, safety etc





## Activity: Climate conscious decision-making

### Discuss:

- What criteria should we use to assess whether a proposal is 'low carbon' or not?
- What are the right questions to ask when people are putting proposals forward?
- Who could offer advice/ a second opinion?
- What additional decision-making criteria could be used in your organisation?





# Innovation cards feedback : Supply chain

1. **Reduce:** Can you do without the product?

3. **(Buy) Reprocessed:** Can you buy reprocessed or refurbished?

5. **(Buy) Recyclable:** Is the product recyclable?



2. **Reuse:** Can you buy reusable products instead of single use?

4. **(Buy) Renewable:** What is the product made of?





# Taking Action: Why is your action pledge important?

- Everyone plays a part in the transition to a **low carbon society**.
- By pledging two actions today, you are one step closer to reducing your **carbon footprint to a sustainable size**.
- This is also essential in order to receive your **Carbon Literacy certificate!**

