

StayCool: Info Sheet

Project Goal: To build heat resilience in Singapore by recognising that different people can be affected by heat in different ways, and supporting those who may be more affected through smart home sensors, wearables, practical cooling guidance and trained community volunteers.

1. Why StayCool Matters

Singapore is getting hotter, but heat does not affect everyone in the same way. Some people may experience the effects of heat more strongly than others, depending on their individual circumstances and living environment.

Our previous community initiative ([HeatAware SG, 2025 - 2026](#)) found that:

- **76%** of seniors surveyed experienced HDB homes that were **hotter indoors than outdoors**, with limited relief from the heat overnight
- **56%** of senior residents surveyed had **never heard of a heatwave**
- When people are unaware of how heat is affecting them or their home, they may be less prepared to take action to stay cool and safe

StayCool aims to make heat easier to understand and manage at home, while providing additional support for people who may be more affected.

2. How StayCool Works

StayCool is a two-year community initiative supported by the SG Eco Fund that combines simple technology with community support to help people stay cool, safe and well at home.

It brings together three connected forms of support:

- **Part 1: Smart Home Sensors**
 - Small sensors placed in **up to 3 rooms** that track temperature and humidity throughout the day
 - The data helps participants understand when and where their home gets hottest
 - An easy to use mobile app helps turn this information into **simple, personalised heat alerts and guidance**
- **Part 2: Physiological Wearables**
 - Participants can use a wrist-worn wearable that tracks indicators such as **heart rate, heart rate variability (HRV), blood oxygen saturation (SpO2) and movement** which help us better understand how different people respond to heat
 - Together with information from the home sensors, this can help provide more personalised and timely support

- **Part 3: Community Volunteer Network**

- **700 trained community volunteers** will be connected with participating households
- Volunteers provide a human layer of support, including check-ins and guidance
- They help participants understand the tools and put simple cooling measures into practice

StayCool is supported by the SG Eco Fund (Grant No. 2506OR048), an initiative under the Ministry of Sustainability and the Environment.

3. Who StayCool is For

Heat affects everyone differently.

StayCool is designed to support residents across Singapore, with additional focus on people who may experience greater effects from heat, including **residents aged 60 and above, people living with chronic health condition(s) and expectant mothers**.

The aim is to help understand how heat affects different people and homes, and provide the right support when it is needed.

4. How StayCool Helps

- **Stay informed:** Understand how hot your home gets and how conditions change throughout the day
- **Get early alerts:** Receive simple notifications when heat levels may require attention
- **Understand your body:** Learn more about how your body may respond during hot conditions
- **Cool your home:** Receive practical, personalised cooling tips suited to your home
- **Stay supported:** Have trained community volunteers available to provide guidance and check-ins
- **Help others:** Contribute anonymised data that can help us better understand heat in Singapore and improve support for more households in the future

5. Programme Timeline (Apr 2026 - Jul 2028)

- **Apr to Jul 2026:** Programme set-up and participant recruitment
- **Aug to Dec 2026:** Pilot deployment of 50 household sensors and 100 wearables, with 50+ community volunteers onboarded
- **Jan to Apr 2027:** Pilot data analysis and preparation for wider deployment
- **Apr to May 2027:** Full deployment preparation and volunteer network activation
- **May to Nov 2027:** Staggered rollout to 1,000 households
- **Dec 2027 to Mar 2028:** Continued participant engagement and community support
- **Apr to Jul 2028:** Participant engagement ends. Final analysis, with programme findings and key learnings shared publicly

6. Key points for Volunteers

- **Lead Organisation:** Sustainable Living Lab Pte Ltd

- **Point of Contact:** StayCool SG (+65 8891 3822, staycool@sustainablelivinglab.org)
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