

MedEd Symposium 2024

Imperial College London

SHARP

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Simulation-based Holistic Approach to Reducing and Preventing knife violence

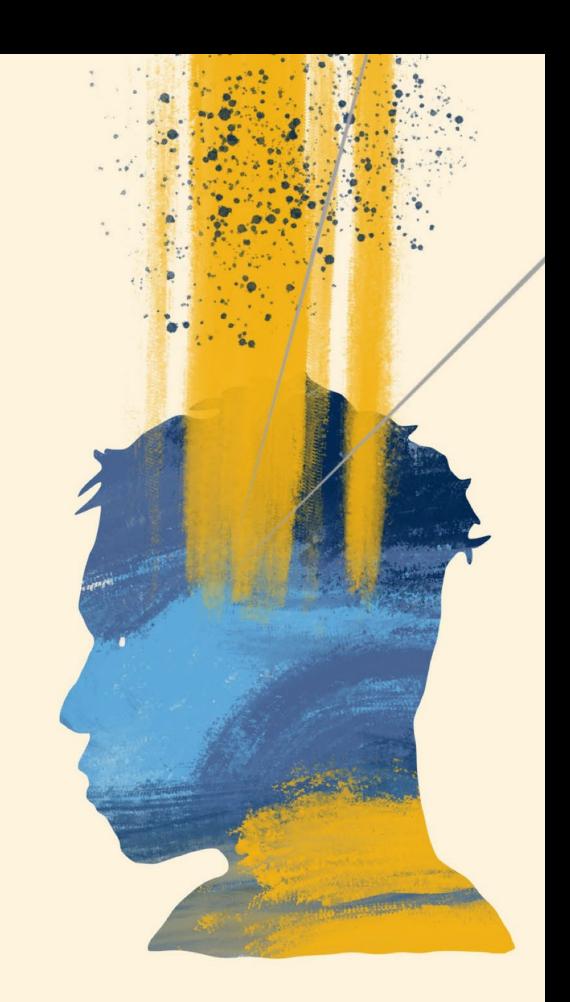
Performing surgery through simulation



SIMULATION-BASED HOLISTIC APPROACH FOR REDUCING & PREVENTING KNIFE VIOLENCE

SUMMARY

www.sharp-project.org



Regional Knife Crime Data

16%

increase in Met Police recorded offences involving a knife or sharp instrument in London in the last year (up to March 2024) 14%

increase in knife or sharp instrument offences recorded by South West police forces in the last year (up to March 2024)

3%

increase in knife or sharp instrument offences recorded by Police in Wales in the last year (up to March 2024.)

Source: Office for National Statistics

Hospital admissions

3,888

the number of admissions into NHS hospitals in England and Wales for assault by a sharp object in the year ending **March 2024.**

1,439

hospital admissions for young people aged under 24 in NHS hospitals in England and Wales for assault with a sharp object in the year ending March 2024.

25%

decrease in hospital admissions in NHS
hospitals in England and Wales for assault
with a sharp object since March 2019 (year
ending March 2024)

Source: Office for National Statistics

Training

Knife Crime Data for England and Wales



50,510



increase in Police-recorded offences involving a knife or sharp instrument in the last 12 months (up to March 2024)

Police-recorded offences involving a knife or sharp instrument (up to March 2024)

increase in Police-recorded offences involving a knife or sharp instrument in the last 10 years (up to March 2024)

Source: Office for National Statistics

Knife murders

233

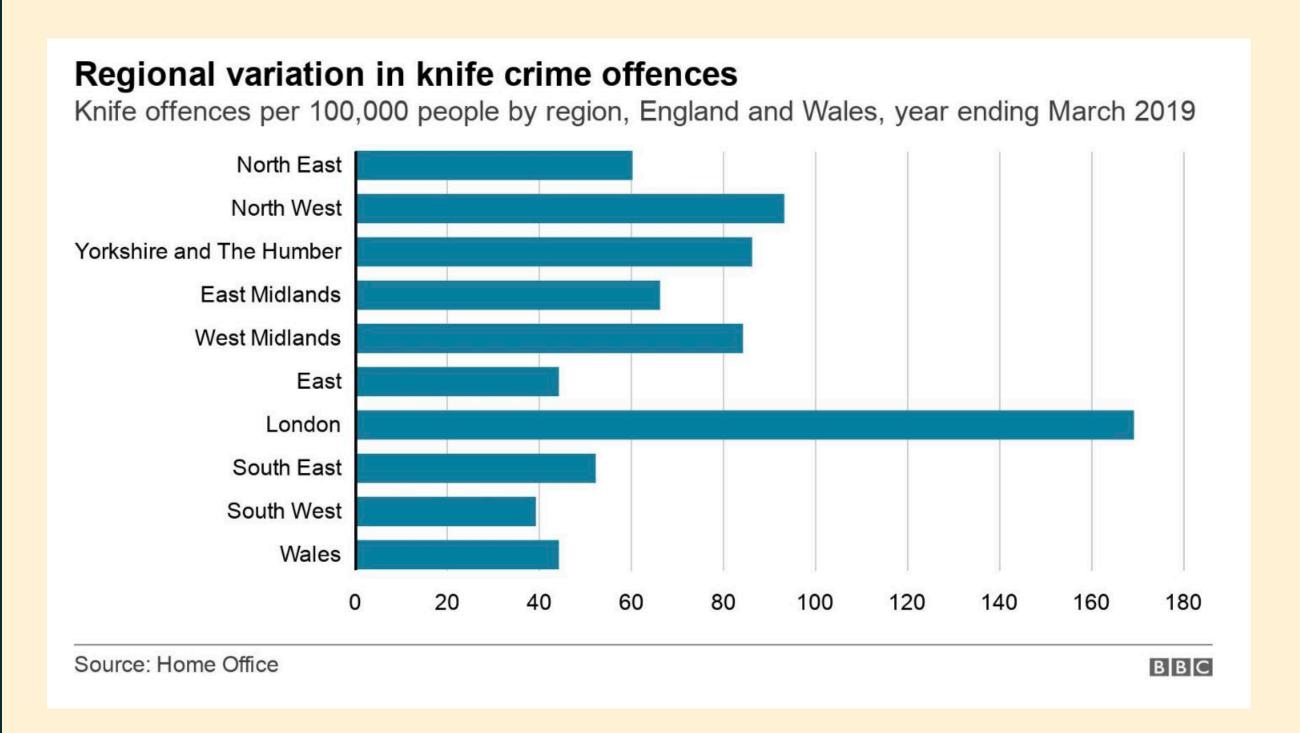
murders involving a knife or sharp instrument in England and Wales in the 12 months to **March 2024.**

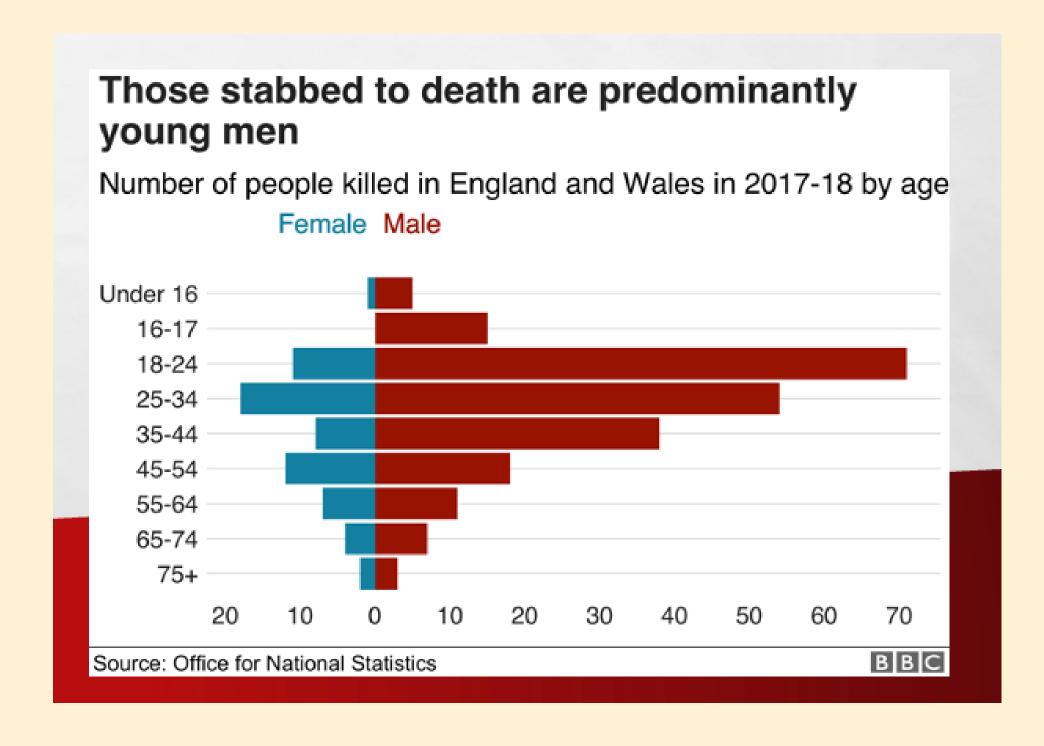
78

young people aged under 25 were murdered with a knife or sharp object in the 12 months to March 2023. **10 were aged under 16.**

Source: Office for National Statistics

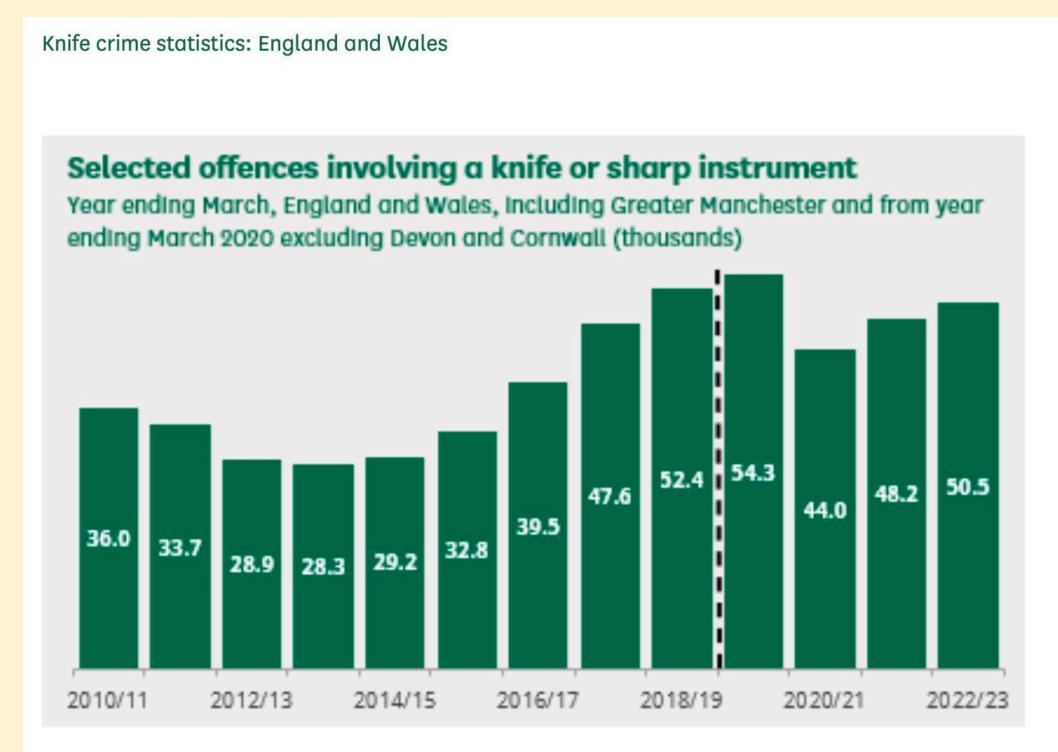
BACKGROUND



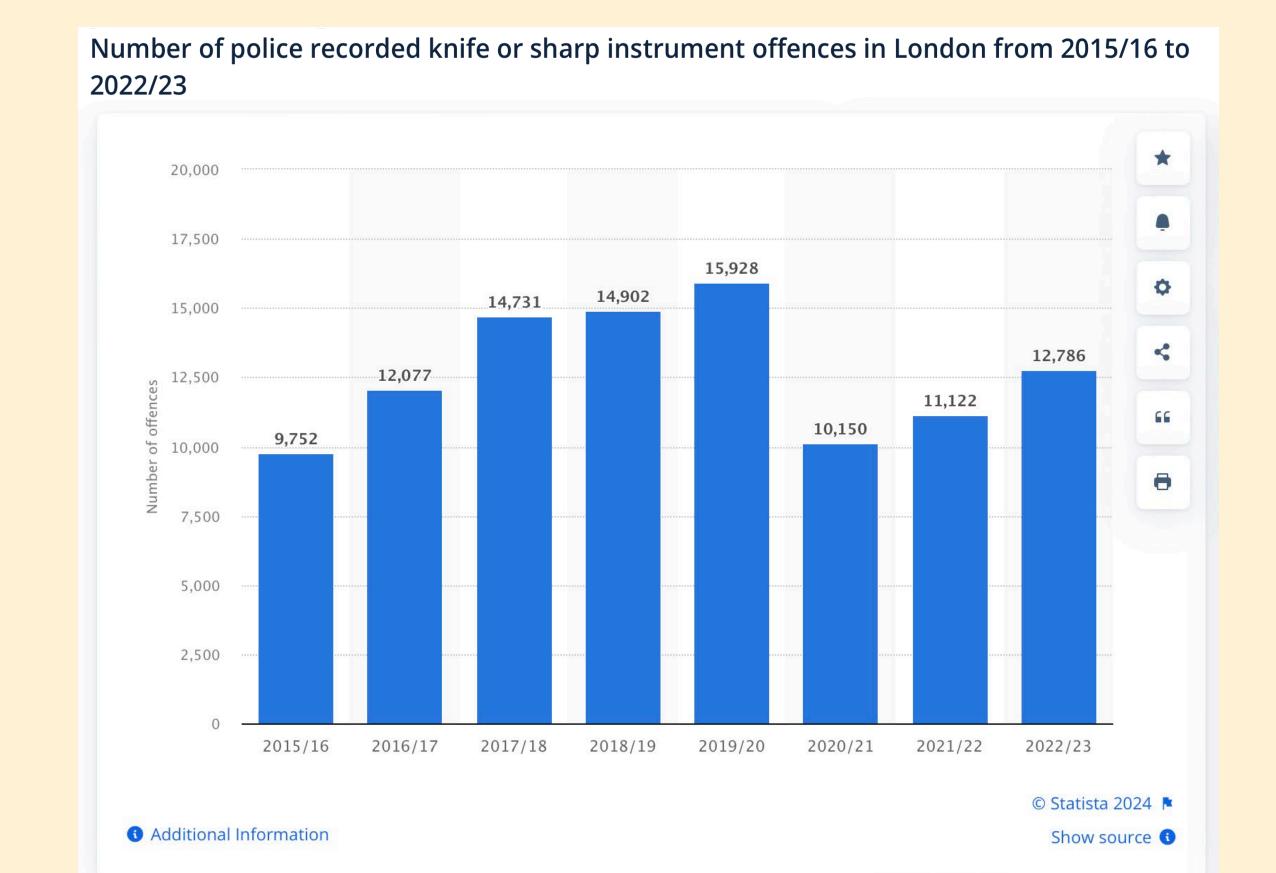




BACKGROUND



Source: ONS, <u>Crime in England and Wales: Other related tables</u>, Table F3a, 20 July 2023 (accessed 11 October 2023).





Adam's story through VR & art

PROJECT AIMS



We aim to work in partnership with young people to increase their understanding of the topic of knife violence and its impact on individuals and communities. We endeavour to support young people to make safe and informed choices that protect them from involvement in knife violence.

To do this, we seek to help young people develop new skills, including:

Impact

An increased understanding of the physical, emotional, and psychological impacts of knife violence

Explore

The ability to engage in peer support work that gives young people more confidence to explore alternatives to knife-carrying behaviour.

Response

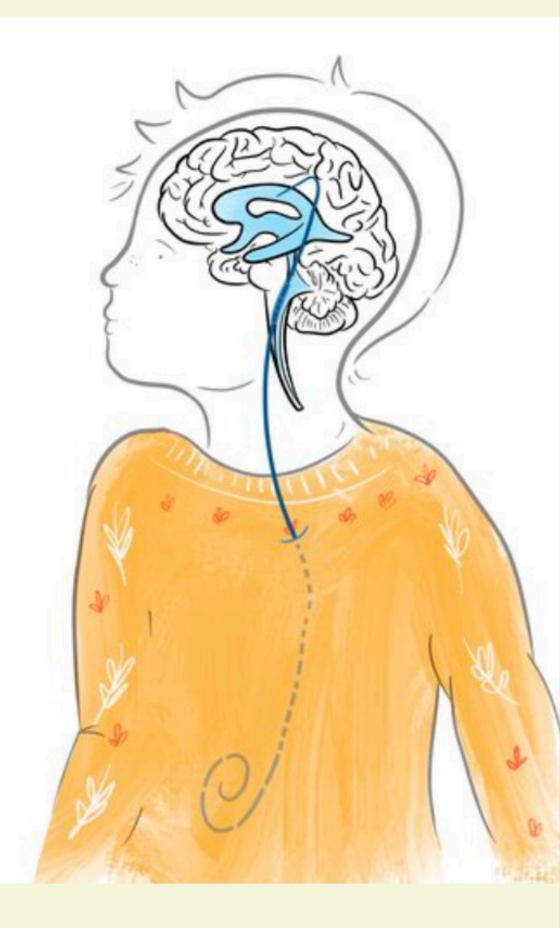
An increased understanding of what to do if they witness a knife crime and how to respond safely

Knowledge

Knowledge of alternative curricular and extra-curricular activities available to them and increased involvement in community-based after school programmes

At the same time, we want to learn from young people, to understand their experiences and to better reflect their needs at a community, academic, and policy level.











WITNESSING



THE TWO SIDES

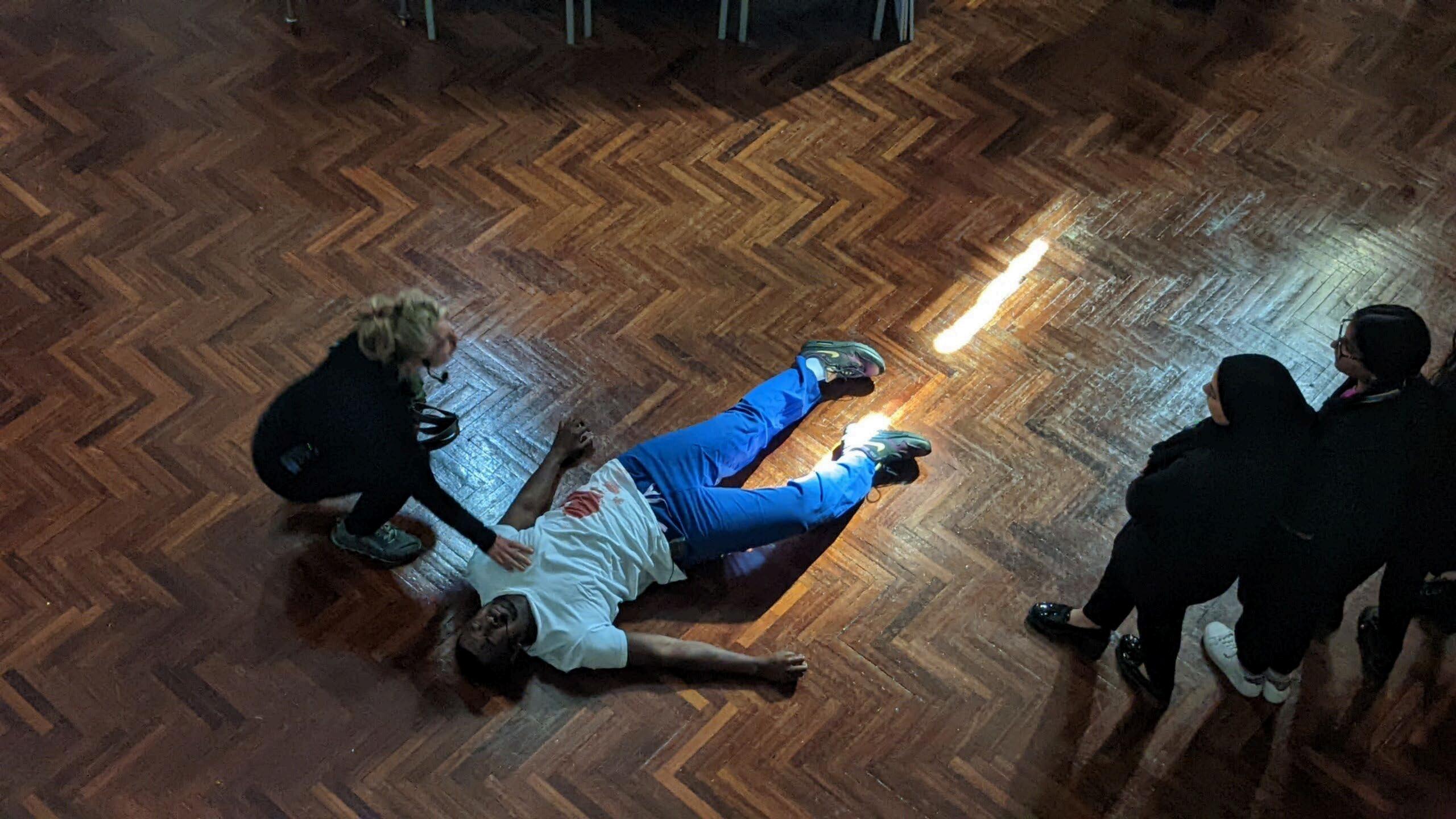


THE TWO SIDES



Adam's story through physical simulation























PARTNERS



The SHARP Programme is an initiative from the Imperial College Centre for Engagement and Simulation Science (ICCESS) currently funded by the Mayor's Violence Reduction Unit (VRU).

Imperial College London





The Youth Endowment Fund funded a feasibility study of the SHARP project in collaboration with our charity partners, the Prince's Trust, and The Change Foundation. The feasibility was independently evaluated by Ipsos MORI.











SCHOOLS & YOUTH CLUBS - 2021-23

































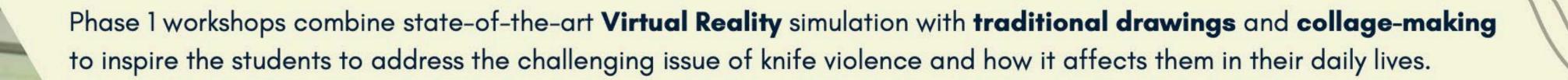








PHASE I













The **VR immersive experience** is followed by a debrief session led by a **Surgeon**. Participants then move to the **art** session led by our **Medical Illustrator** who elicits emotional responses to the VR, exploring the understanding of knife violence and prevention. Phase 1 workshops typically last half a school day.

PHASE II

The activities in Phase I are designed to cover all the core objectives of the programme. Phase II acts as a reaffirmation, consolidating learnings and providing sufficient intensity to achieve the learning outcomes.

Phase 2 workshops are a full school day, divided as follows:

Hands-On

Young People spend time with Surgeons, Paramedics and Nurses to gain a fuller understanding of each role

"Somebody"

Combining both the physical and the psychological aspects of knife violence in a performance with a textile body.



SqS™

We bring Adam's journey to life with a live Sequential Simulation or SqS™ consisting of real healthcare professionals and Simulated Patients (trained actors)

Young Ambassadors

A discussion about the "mental consequences" of knife violence from young ambassadors with real life experience.

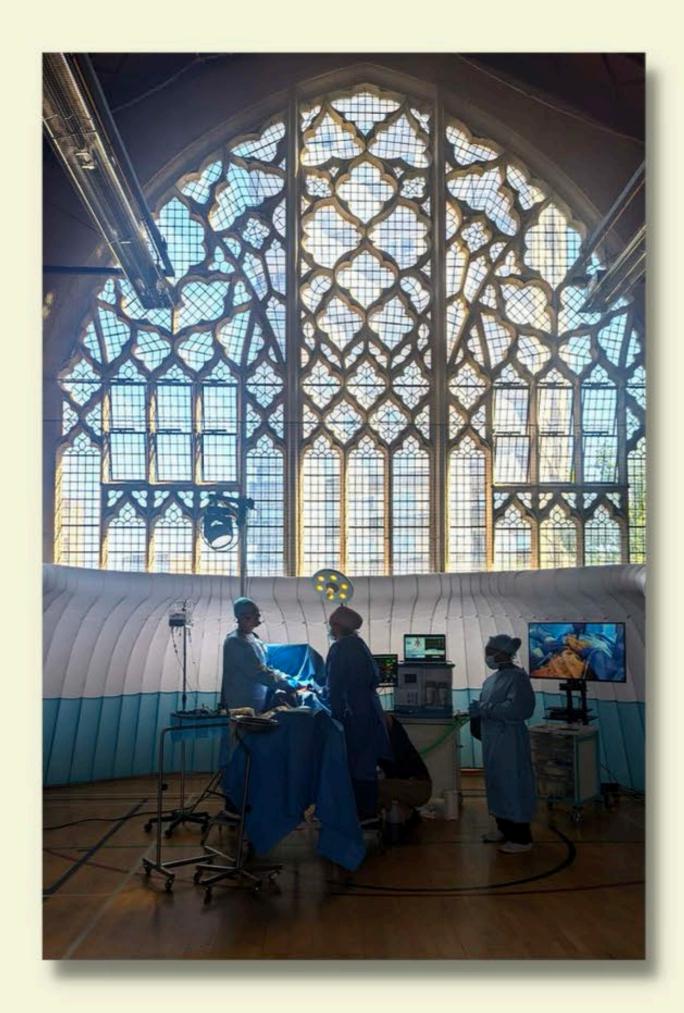
Support Hub

Discussion and Exploration of support offered by local communities and our charity partners



COMMUNITY



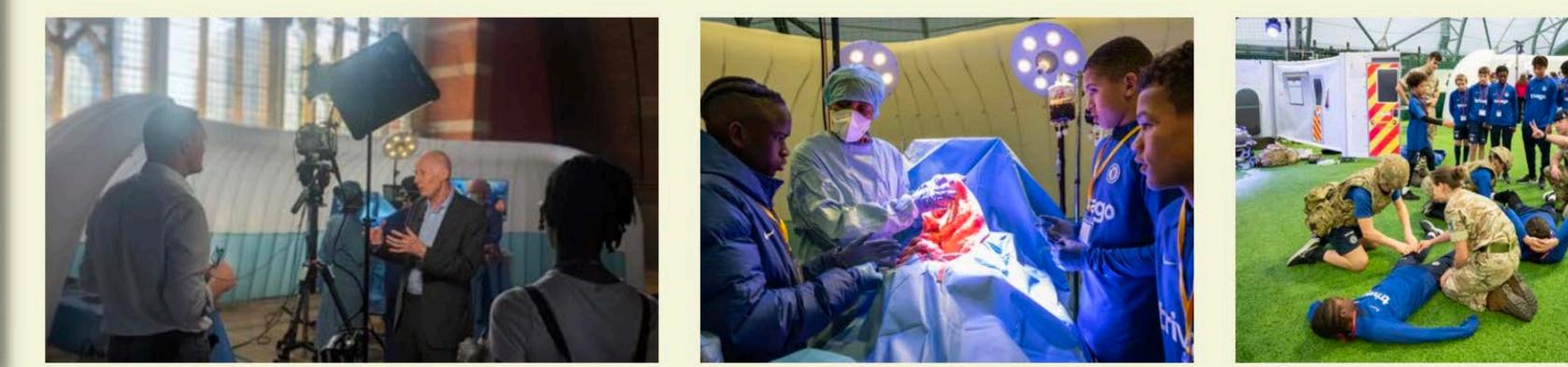


Reaching the Community

In addition to the school workshops, we have conducted extra workshops with The Change Foundation at the Harrow Club and Chelsea Football Club Academy

We took the opportunity to reach out to communities from deprived backgrounds through The Change Foundation and The Harrow Club as well as communities outside of the school environment like Chelsea Football Club Academy.

Press coverage: Imperial College Press and BBC News Article - BBC News Segment



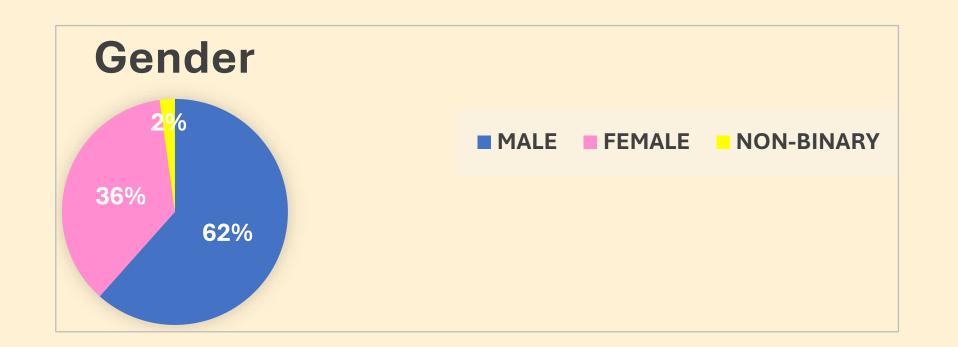




RESULTS



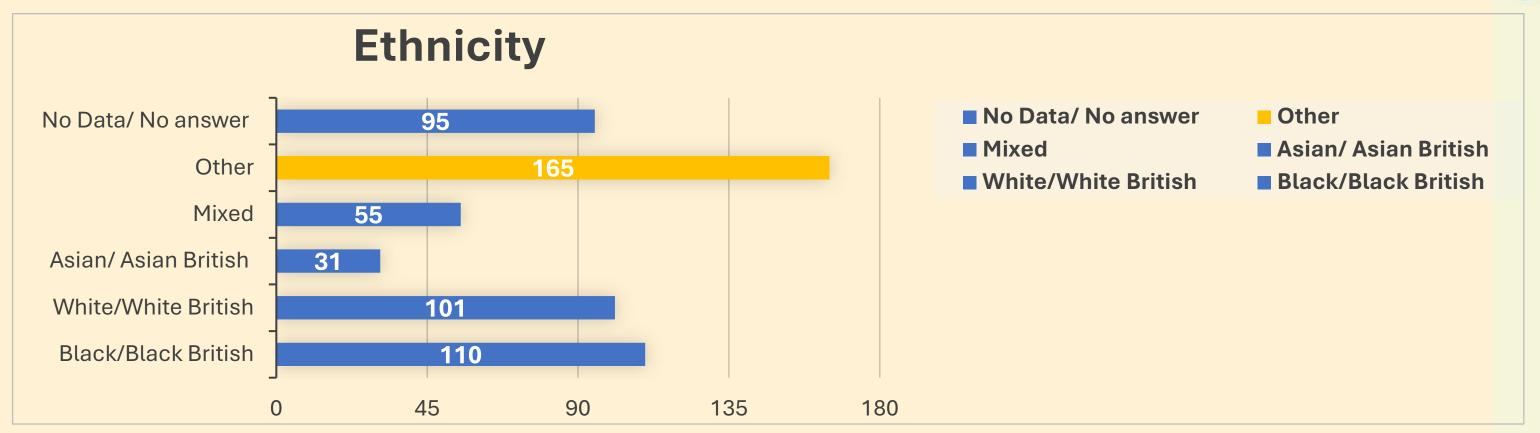
DEMOGRAPHIC











PARTICIPANTS: 557

SCHOOLS: 15

YOUTH CLUBS: 2

AGE RANGE: 11-16

MEDIAN AGE: 13



IPSOS MORI | FEASIBILITY REPORT



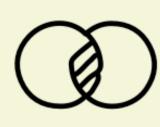
The report from our external evaluator IPSOS MORI highlighted the following:



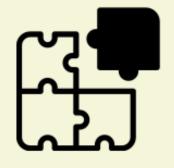
SHARP successfully **exceeded targets** for **recruiting schools** and number of **participants**



The opportunity to use **virtual reality** was a **key factor** in **engaging** young people



A general consensus that SHARP provided an **unique**, **impactful** and **relevant** experience for the schools and was **engaging** for young people



The effective delivery of SHARP was supported by ensuring the content was **locally relevant**, **innovative**, **multi-disciplinary**, and allowed for **iterative improvements**



Young people reported increased confidence in knowing what to do if **witness a knife attack**



Survey results suggested the program had a **greater impact** on **girls' confidence** in responding **to knife violence**, possibly due to girls having received **less prior guidance** on the issue compared to boys



Teachers and young people reflected that the workshops imparted powerful messages relating to the long-term emotional and physical impacts of knife violence



IPSOS MORI | FEASIBILITY REPORT

The clear need for **SHARP**:

There was a widespread view among teachers that there is a clear need for the SHARP project given the prevalence of knife violence among young people in their areas. Teachers also mentioned the lack of provision for knife violence prevention in schools or with young people who have been affected by knife violence.





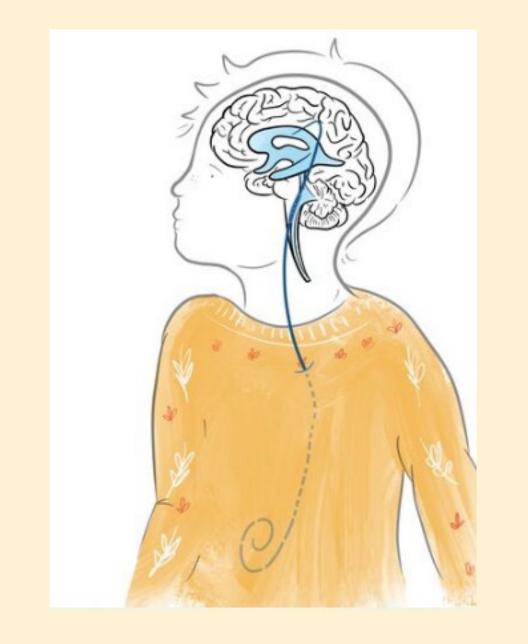
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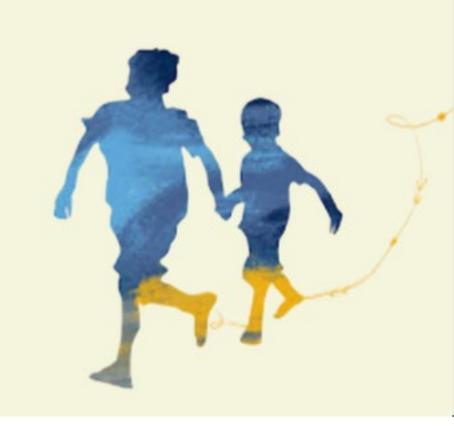
OUTCOMES

Short-term outcomes:

- Understanding knife violence impacts
- Witness response awareness
- Emergency services insight
- Emotional awareness growth
- Alternative activity access







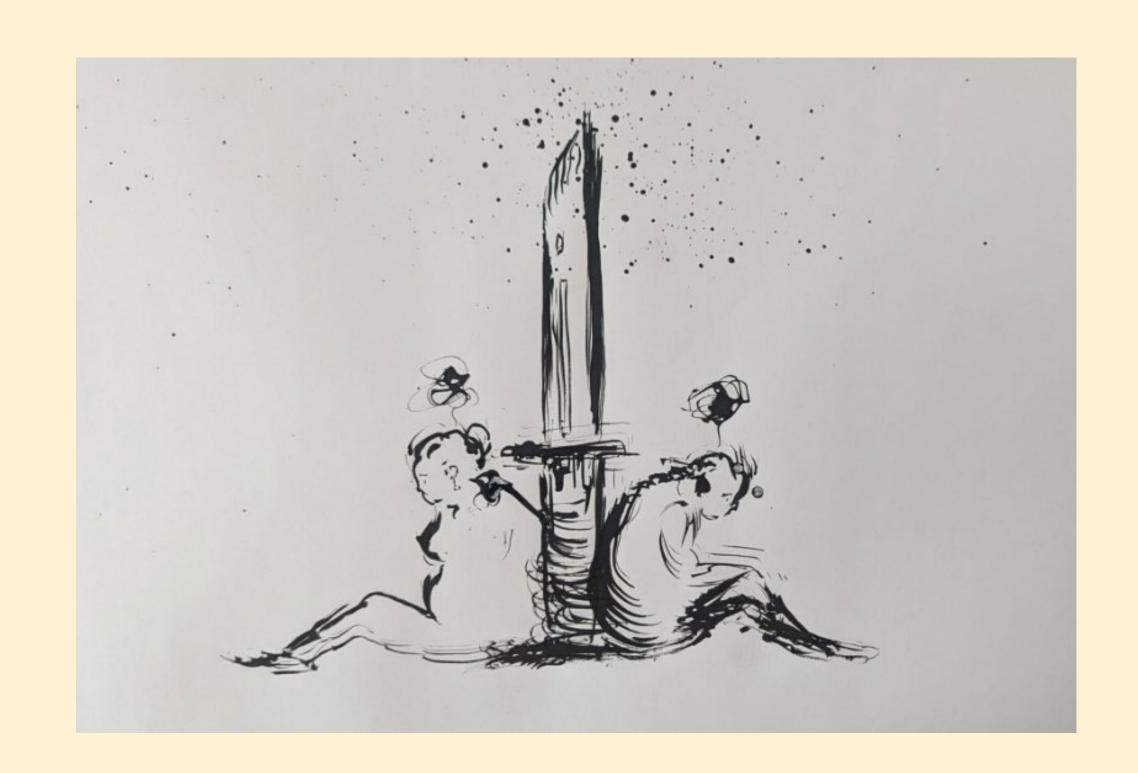
IMPERIAL



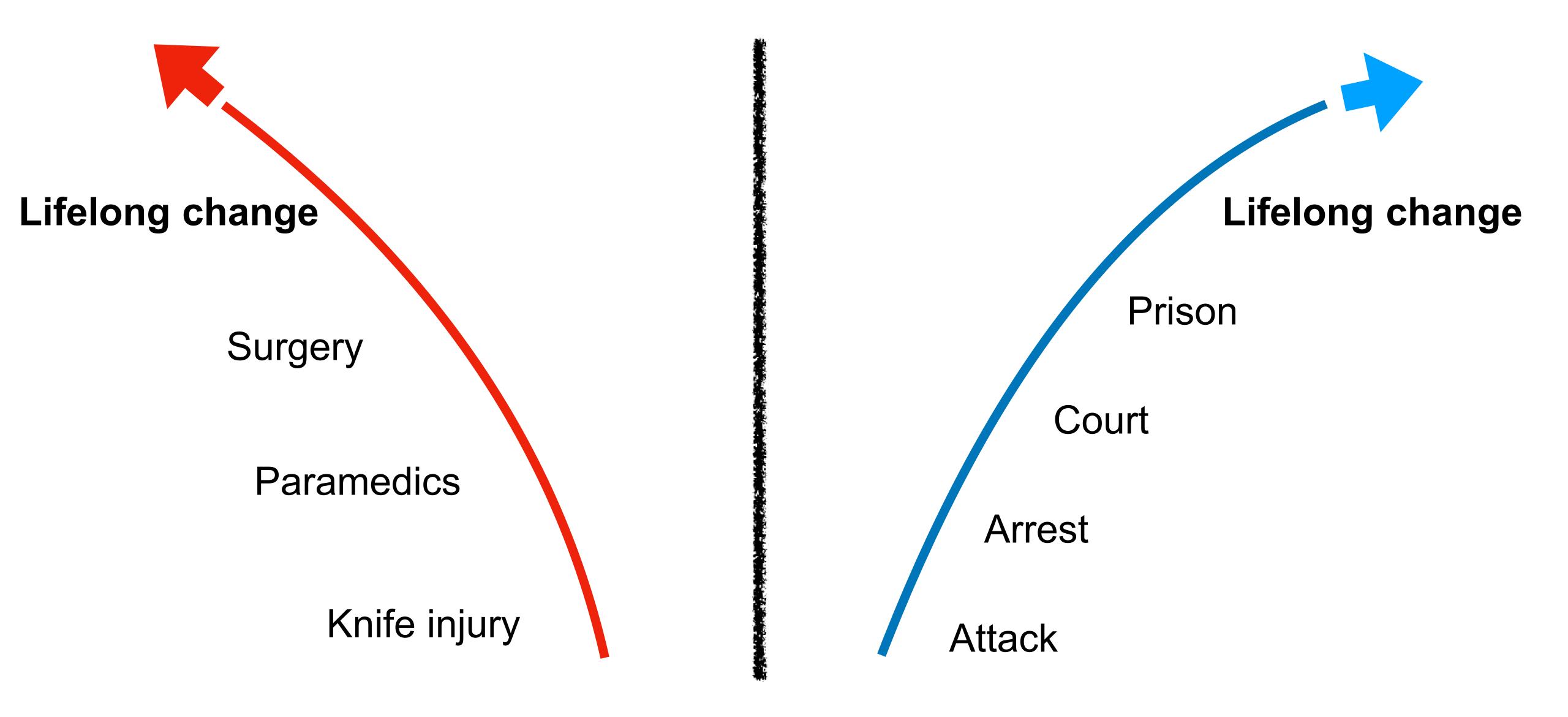
OUTCOMES

Long-term outcomes

- To have greater understanding of the impact knife crime and the confidence to make informed choices.
- Reduction in the number of young people carrying knives around areas of intervention
- Reduced risk of harm to self and others
- Develop the criminal justice pathway

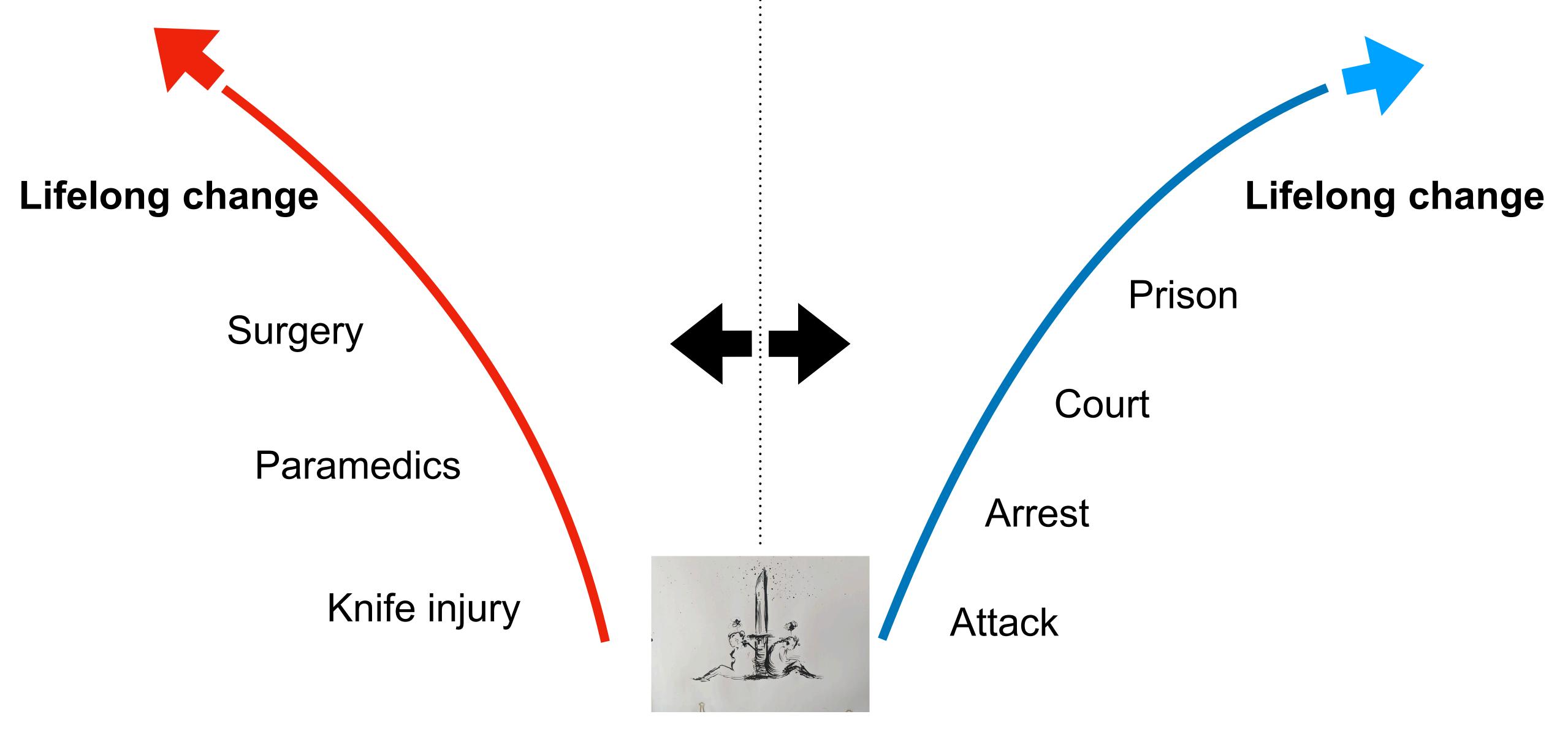






SHARP Health

SHARP Justice



SHARP Health

SHARP Justice

A public health intervention

PRELIMINARY INTERNAL DATA ANALYSIS

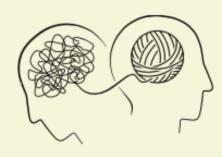


Summary:

Analysis of the data shows that young people:



...improved ability to **respond to stress** or **trauma**.



...have a better understanding of the impacts of knife violence, including the **physical** and **psychological** impacts.



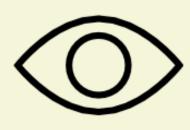
...have an increased **understanding** of the work of **emergency services** and **clinicians** during a knife attack.



...have improved understanding of issues related to harm & exploitation



...have an increased understanding of their **emotions** and **feelings** surrounding **knife violence**.



...have a better understanding of what to do if they witness a knife attack.



...knowledge of how to **access alternative activities** after school or in school holidays



Promising practices in the SHARP workshops encompass a comprehensive, multidisciplinary, and community-oriented approach, emphasizing education, engagement, and sustained support to address the complexities of this societal challenge effectively.

ON THE HORIZON

Criminal Justice Pathway

- The next phase of our work, the SHARP: Justice programme, will take a comprehensive approach to understanding the full trajectory of those involved in knife-related incidents (the attack), focusing on both prevention and consequence.
- The SHARP-Justice program will focus on preventing and understanding knife crime, showing the legal and emotional journey from arrest to sentencing. Using Sequential Simulation, participants will learn key interventions to prevent violence and gain insight into the decisions and consequences of knife-related incidents.

ARREST

A young person is arrested for knife crime

CUSTODY

The young person is taken to a police station

YOUTH SYSTEM

We see key aspects of the criminal proceedings

SENTENCING

We learn the outcome





SH/\RP

SIMULATION-BASED HOLISTIC APPROACH FOR REDUCING & PREVENTING KNIFE VIOLENCE

THANK YOU

Next steps in Switzerland and beyond ...