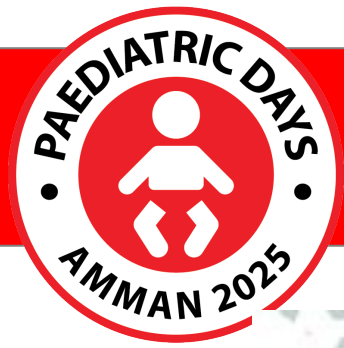




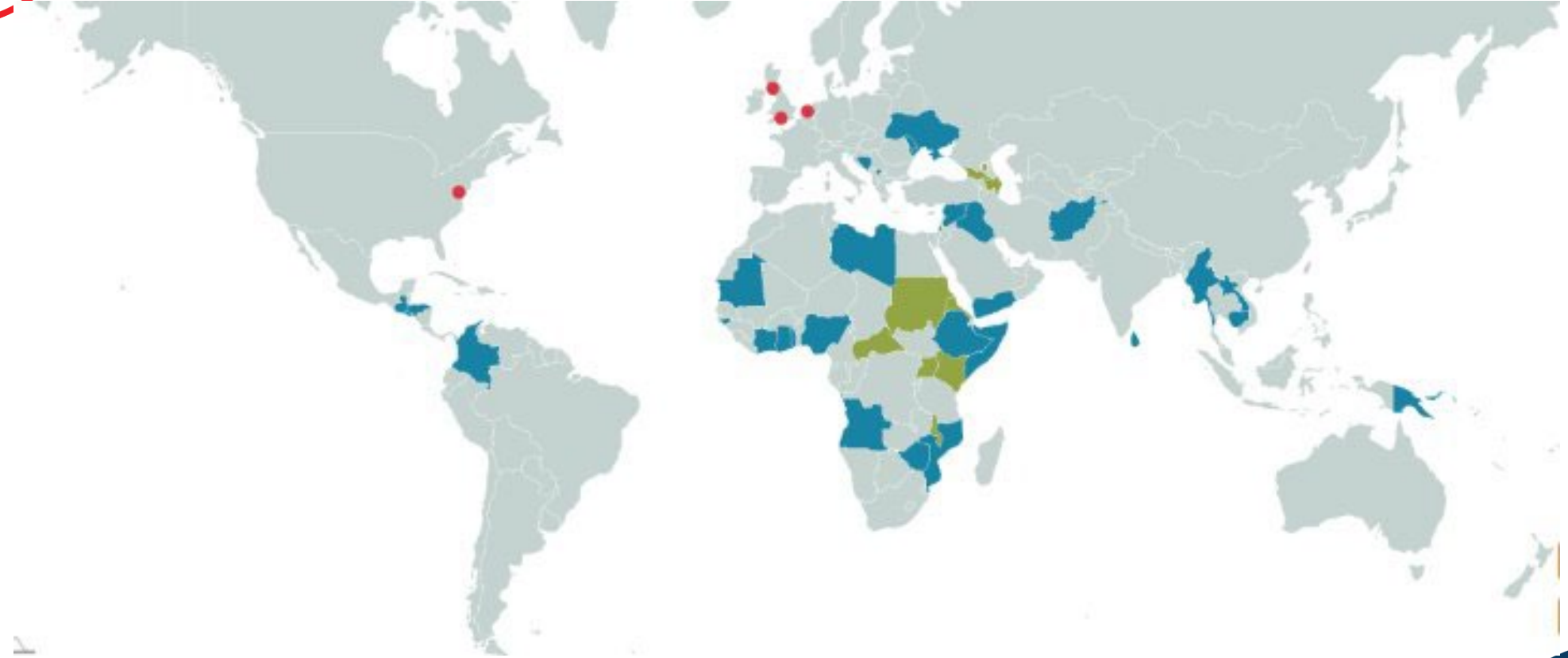
HALO Trust

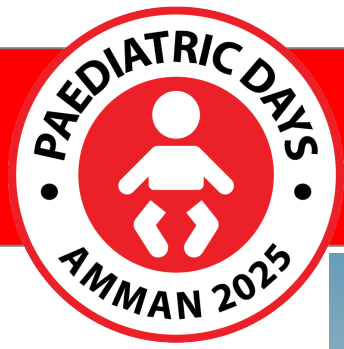
Tim Gargan – HALO Global Medical Officer
Dr Mervat Alhilal – HALO Syria Chief Medic
MSF Paediatric Days
2025





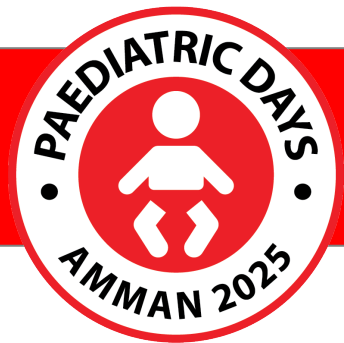
1. Who are the HALO Trust?





2. HALO Trust in Syria





3. Landmines vs Children

Pediatric casualties in contemporary armed conflict: A systematic review to inform standardized reporting[☆]



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ABSTRACT

Background: Children represent a significant percentage of casualties in modern conflict. Yet, the epidemiology of conflict-related injury among children is poorly understood. A comprehensive analysis of injuries sustained by children in 21st-century armed conflict is necessary to inform planning of local, military, and humanitarian health responses.

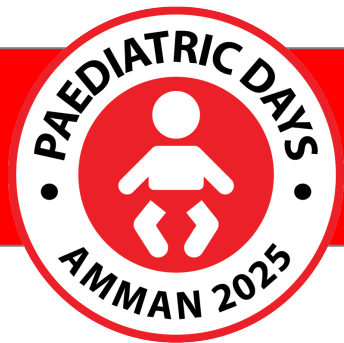
Methods: We conducted a systematic search of databases including PubMed, Embase, Web of Science, World Health Organization Catalog, and Google Scholar to identify records that described conflict-related injuries sustained by children since 2001.

Results: The search returned 5,264 records. 9 eligible reports without potentially duplicative data were included in analysis, representing 5,100 pediatric patients injured in 5 conflicts. **Blast injury was the most frequent mechanism (57%), compared to 24.8% in adults.** Mortality was only slightly higher among children (11.0% compared to 9.8% among adults; $p < 0.05$). Non-uniform reporting prevented pooled analysis and limited the conclusions that could be drawn.

Conclusions: **Children sustain a higher proportion of blast injury than adults in conflict.** Existing data do support the conclusion that child casualties have higher mortality than adults overall; however, this difference is slighter than has been previously reported. Specific subpopulations of children appear to have worse outcomes. Overall, non-uniform reporting renders currently available data insufficient to understand the needs of children injured in modern conflict.

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4. Landmines vs Children

No	Age	Gender	Residence	Main complaint
1	24	Male	Idlib	mine explosion
2	30	Male	Idlib	Multi-fragment mine
3	6	Male	Idlib	Multi-fragment mine
4	14	Female	Saraqib	Multi-fragment mine
5	11	Male	Maarshamarin	mine explosion
6	14	Male	Maarshamarin	mine explosion
7	27	Male	Kafranbel	mine explosion
8	12	Male	Kafrrouhin	mine explosion
9	21	Male	Binniy	mine explosion
10	11	Female	Almaara	mine explosion
11	7	Male	Saraqib	mine explosion
12	32	Male	Saraqib	mine explosion
13	32	Male	Saraqib	mine explosion
14	20	Male	Shahshapo	mine explosion
15	30	Male	NA	mine explosion
16	14	Male	NA	mine explosion
17	17	Male	Maarat al-Numan / Idlib	mine explosion
18	28	Male	Idlib	mine explosion
19	10	Male	Abu Dhuhur	mine explosion
20	12	Female	Idlib	mine explosion





5. Landmines vs Children

No	Age	Gender	Residence	Main complaint
1	24	Male	Idlib	mine explosion
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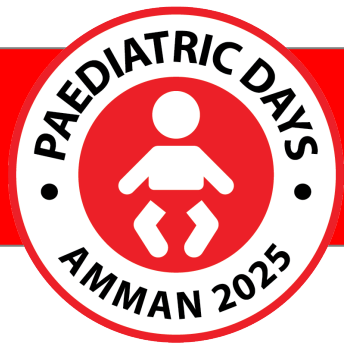




4. Landmines vs Children

No.	Age	Gender	Residence	Main complaint
1	11	Male	Daraa camp	mine explosion
2	35	Male	Daraa camp	mine explosion
3	19	Male	Busra El Sham	mine explosion
4	25	Male	Alrak	mine explosion
5	7	Female	Daeil	mine explosion
6	8	Male	Daeil	mine explosion
7	14	Male	AlShiek Musken	mine explosion
8	12	Female	Tal Alkeder	mine explosion
9	35	Female	Tal Alkeder	mine explosion
10	1	Female	Tal Alkeder	mine explosion
11	28	Female	Tal Alkeder	mine explosion
12	16	Female	Tal Alkeder	mine explosion
13	31	Male	Alsuedaa	mine explosion
14	30	Male	Alsuedaa	mine explosion
15	20	Male	Alsuedaa	mine explosion
16	25	Male	Daraa	mine explosion
17	12	Male	AlKarek AlSharky	mine explosion
18	30	Female	Daraa-Sejnaa	mine explosion
19	42	Female	Daraa-Sejnaa	mine explosion





4. Landmines vs Children

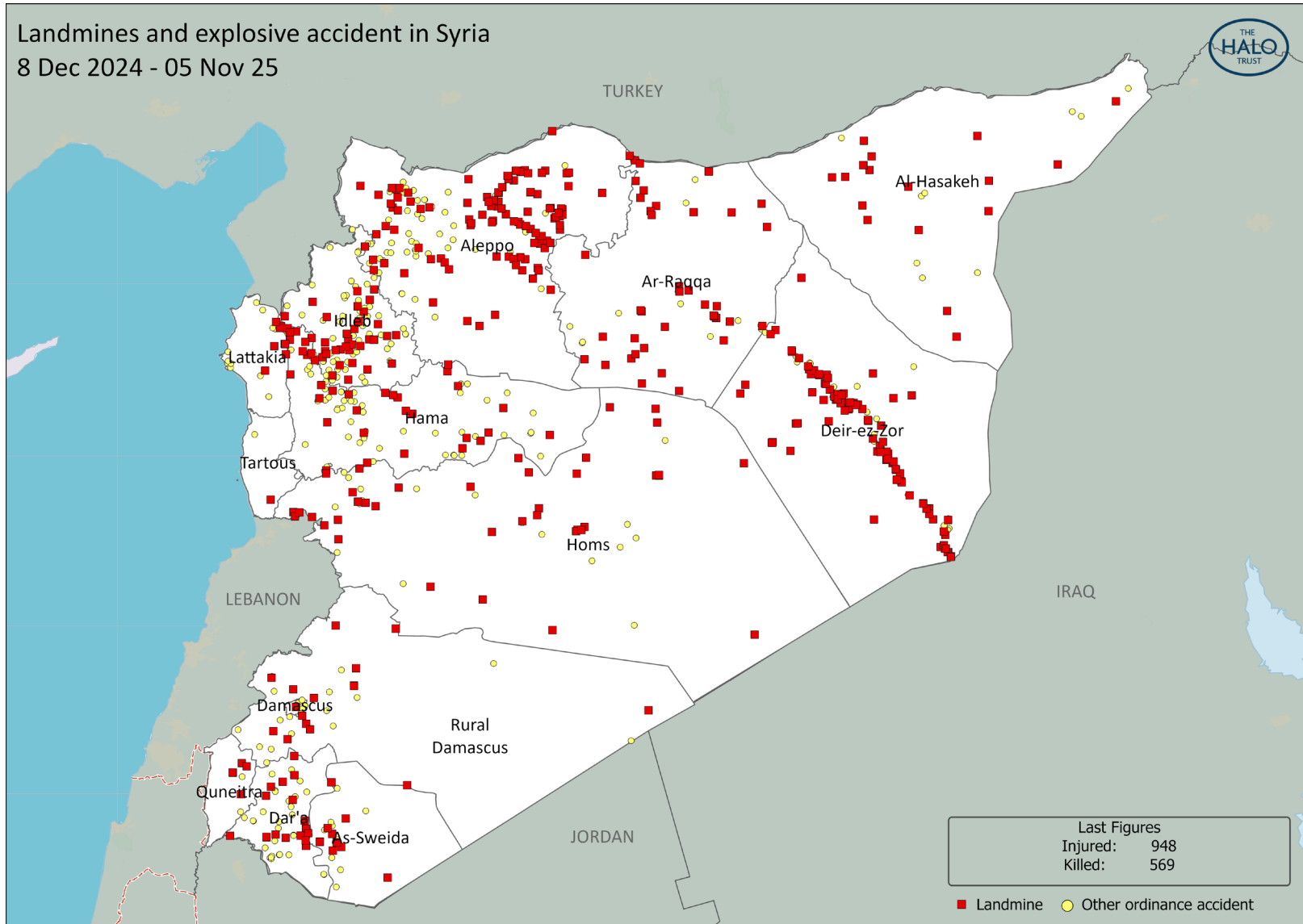
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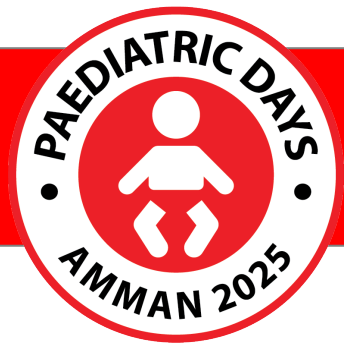




6. Syria Accident Data

Landmines and explosive accident in Syria
8 Dec 2024 - 05 Nov 25





7. EXTRACCT

THE EXPLOSIVE WEAPONS TRAUMA CARE COLLECTIVE (EXTRACCT): A ROADMAP FOR REDUCING PREVENTABLE DEATH AMONG CIVILIAN CASUALTIES OF EXPLOSIVE INJURY

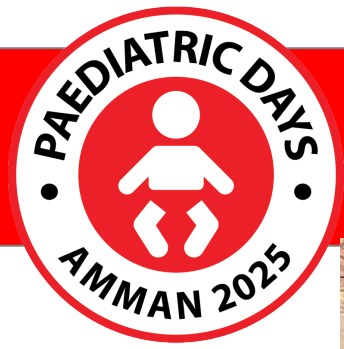
By Hannah Wild^{1,2}, Aparna Cheran², Abby Willging^{2,3}, Christelle Loupforest⁴,
Sebastian Kasack⁵, Tim Gargan⁶, Barclay Stewart¹,
International Blast Injury Research Network⁷, and Adam L. Kushner^{2,8}



Transarticular amputation through the knee joint with prosthetic leg.
Case courtesy of Frank Gaillard, Radiopaedia.org, rID: 32534

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3. University of Iowa Carver College of Medicine, Iowa City, IA, USA
4. Mine Action Area of Responsibility, United Nations Mine Action Service, Geneva, Switzerland
5. Mines Advisory Group, Manchester, UK
6. The HALO Trust, Wilton, UK
7. University of Southampton, Southampton, UK
8. Surgeons Overseas, New York, NY, USA





8. Minefield Paramedics





9. Minefield Paramedics



10. Chain of survival

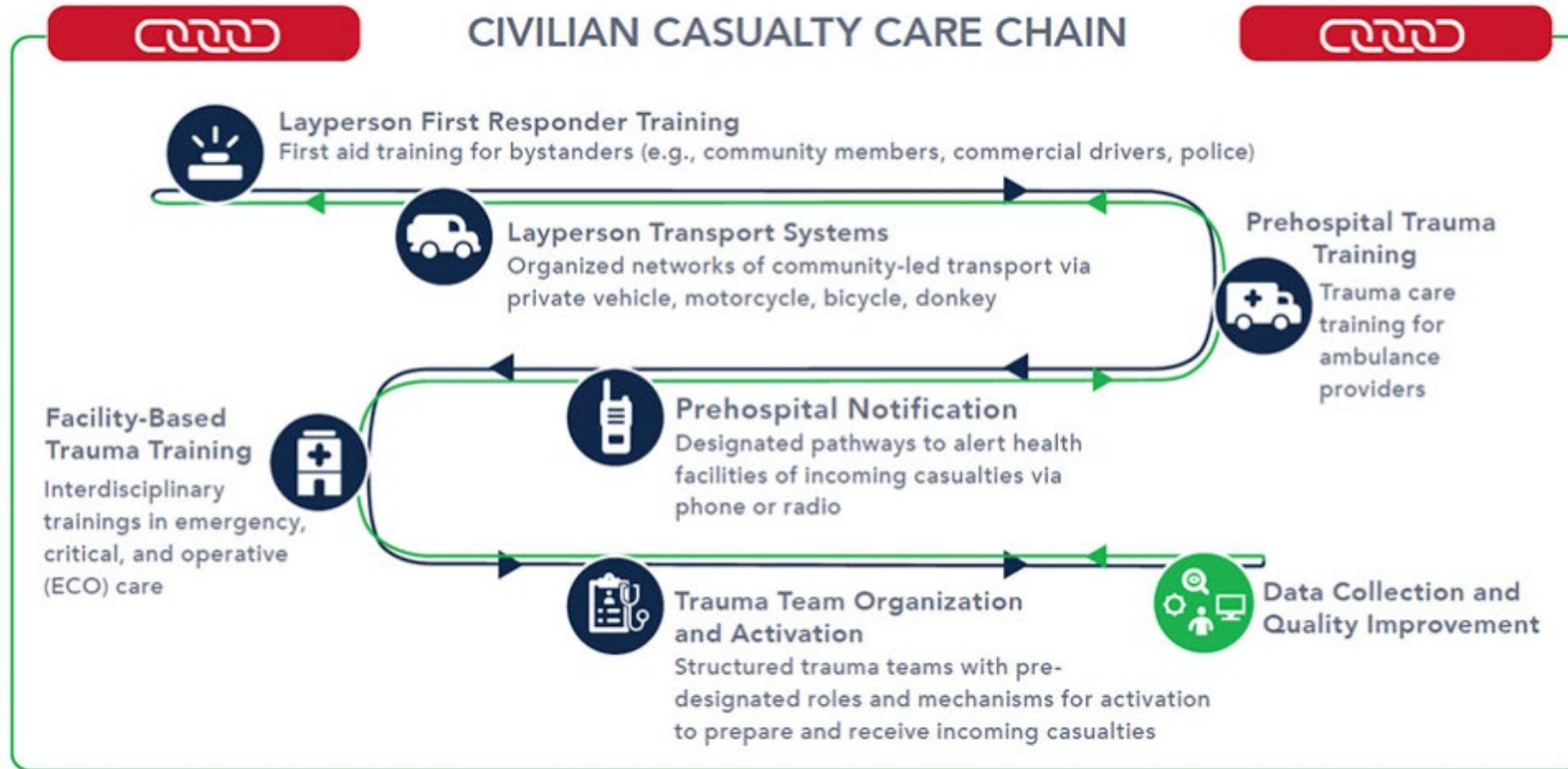
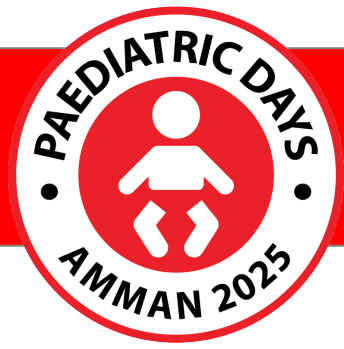


Figure 1. Visual outline of the Civilian Casualty Care Chain, which highlights selected interventions in the continuum of trauma care that can be supported by humanitarian mine action stakeholders. *Courtesy of EXTRACCT with acknowledgment to Mel Peppas.*



11. Community First Aid Responder (CFAR)





12. Curriculum and pilot



Blood that is spurting out of the wound



Blood that won't stop coming out of the wound



Bandages that are soaked with blood

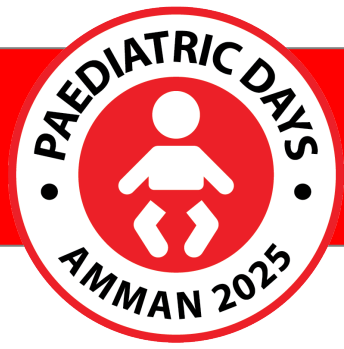


Blood that is pooling on the ground



Loss of all or part of an arm or a leg





13. Questions, comments or reflections?

