

Additional file 3 - Excluded items and reasons for exclusion

Reason for Exclusion	Quantity
1. Technological resources were not used for the immunization program	43
2. Technology used is not aimed at vaccine control devices	6
3. The study carried out is not in humans	3
4. It is about the development or testing of the effectiveness of a vaccine	3
5. It is at odds with the research topic:	3
6. Narrative Review	2
7. Excluded due to technical problems	10
Total	70