**SOCIAL & PUBLIC HEALTH SCIENCES UNIT:OFFICIAL BRIEFING**

***The situation***

There has been an outbreak of new, infectious disease in Edinburgh.

Scientists from the Social & Public Health Sciences Unit have reason to believe that the disease is going to spread to Glasgow, and fast.

A vaccine has been created, but supplies are low…

***Your help is needed!***

The scientists need to know which Glasgow school is most likely to be hit by the disease first, so they can dispatch the cure and prevent the disease spreading

***What we know so far***

Research has shown that children whose parents are keyworkers are at greater risk. This is because people who work in hospitals, supermarkets and public transport cannot work from home.

Schools with lots of pupils whose parents are keyworkers will have the greatest risk.

***Your challenge***

You, ***The Employment Team***, have access to information on people’s jobs, which tell you which pupils have a parent who is a keyworker.

Use this information to identify ***School Zero*** – that is the school with the most parents who are keyworkers.

***Tasks***

1. In the Main Dataset, calculate the Employment Risk score for each school (= the number of keyworkers)
2. Write down the ID of ***School Zero*** (the one with the highest score) on the paper provided and return to the Chief Scientist

***Rules***

Do not discuss your data with anyone from outside your team, unless given permission to by the Chief Scientist

**SOCIAL & PUBLIC HEALTH SCIENCES UNIT: URGENT UPDATE**

Breaking research from another department, ***The Environment Team***, has just been received by the Social and Public Health Sciences Unit

There are some schools in Glasgow at high risk because lots of pupils live in cities, where the disease can spread more quickly because it is hard to keep 2 meters apart

***School Zero*** can now only be identified through combining the ***Employment*** *and* ***Environmental*** risk scores

***Tasks***

1. Go to the Chief Scientist to ask for permission to share data with The Employment Team. Obtain a **Linkage Key** and a **Sharing Dataset**.

***Technical information***

The Linkage Key holds the Sharing ID in the inner ring and your Pupil ID in the outer ring. Both rings swivel around. You’ll need to use the code at the very centre (A 4) to work out where the rings should be positioned. Swivel them around so they make the code A 4.

***Tasks***

1. Using the **linkage key** (see technical information above), enter the Sharing ID into your **Main Dataset**
2. Use this information to enter your ***Employment Risk score*** in the **Sharing Dataset.** Tip **-** Make sure you are using the Sharing ID.
3. Deliver the **Sharing Dataset** to the other team
4. Once the ***Environment Team*** have given you their **Sharing Dataset**, enter the Environment Risk Score into your **Main Dataset.** *Tip –make sure you are using the Sharing ID*
5. Calculate a new ***Total Risk Score –*** that is the sum of the Employment Score and the Environment Score
6. Write down the ID of the School with the highest Total Risk Score (***School Zero)*** on the paper provided and return to the Chief Scientist