

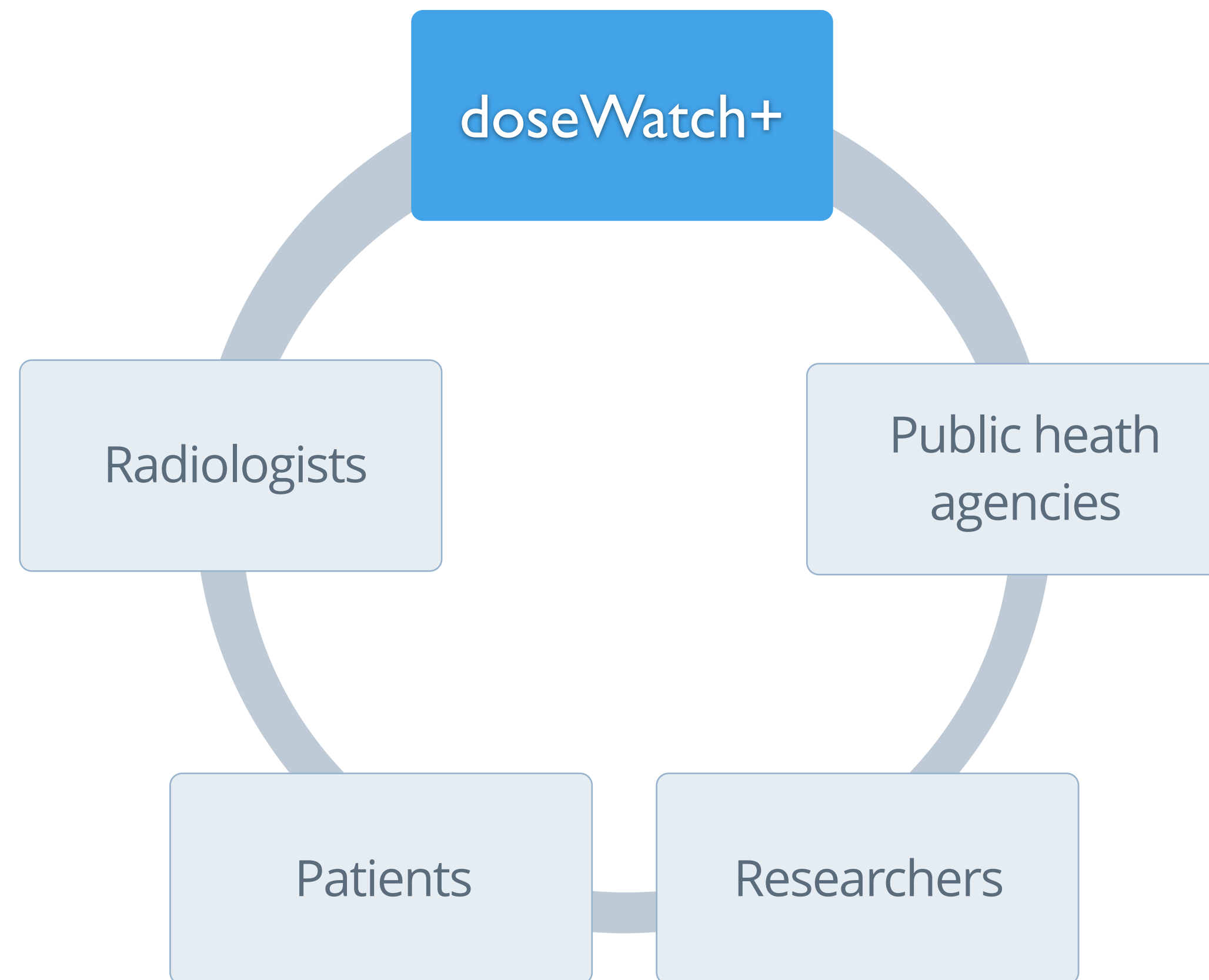


doseWatch+

Created by predix.io

Stakeholders

connect to doseWatch+



Alarming Situation

Japanese survivors of the atomic bombs

5 to 20 mSv

Effective doses from diagnostic CT procedures

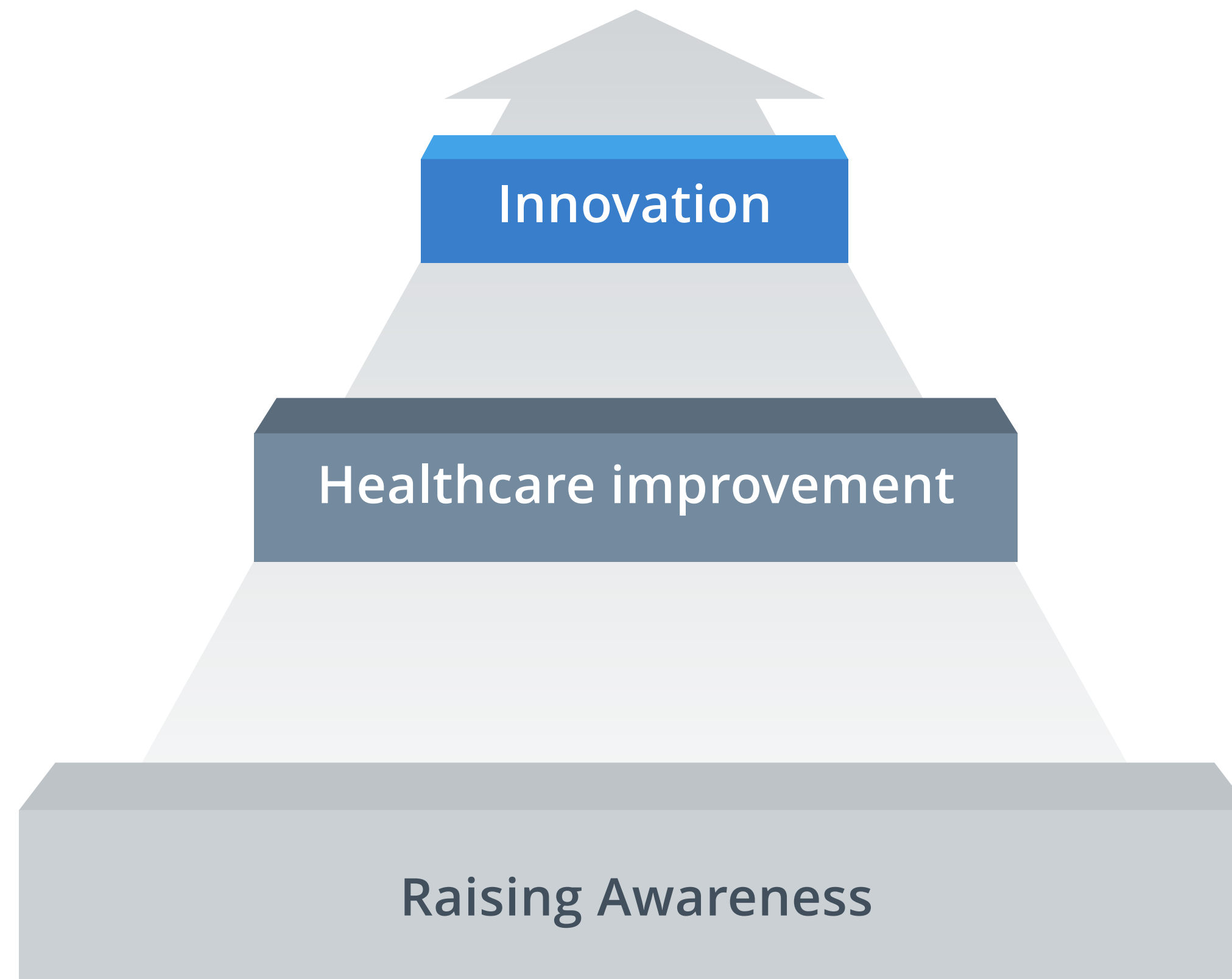
1 to 10 mSv

Millisievert (mSv) is defined as "the average accumulated background radiation dose to an individual for 1 year, exclusive of radon, in the United States.

Source: FDA

Goals

doseWatch+ benefits



**ALARA : As Low As
Reasonably Acceptable**

- 3** Usage of Healthcare data (Predix)
- 2** Best practice
- 1** Radiation Overdoses

Name

Password

Go

doseWatch+

Created by predix.io



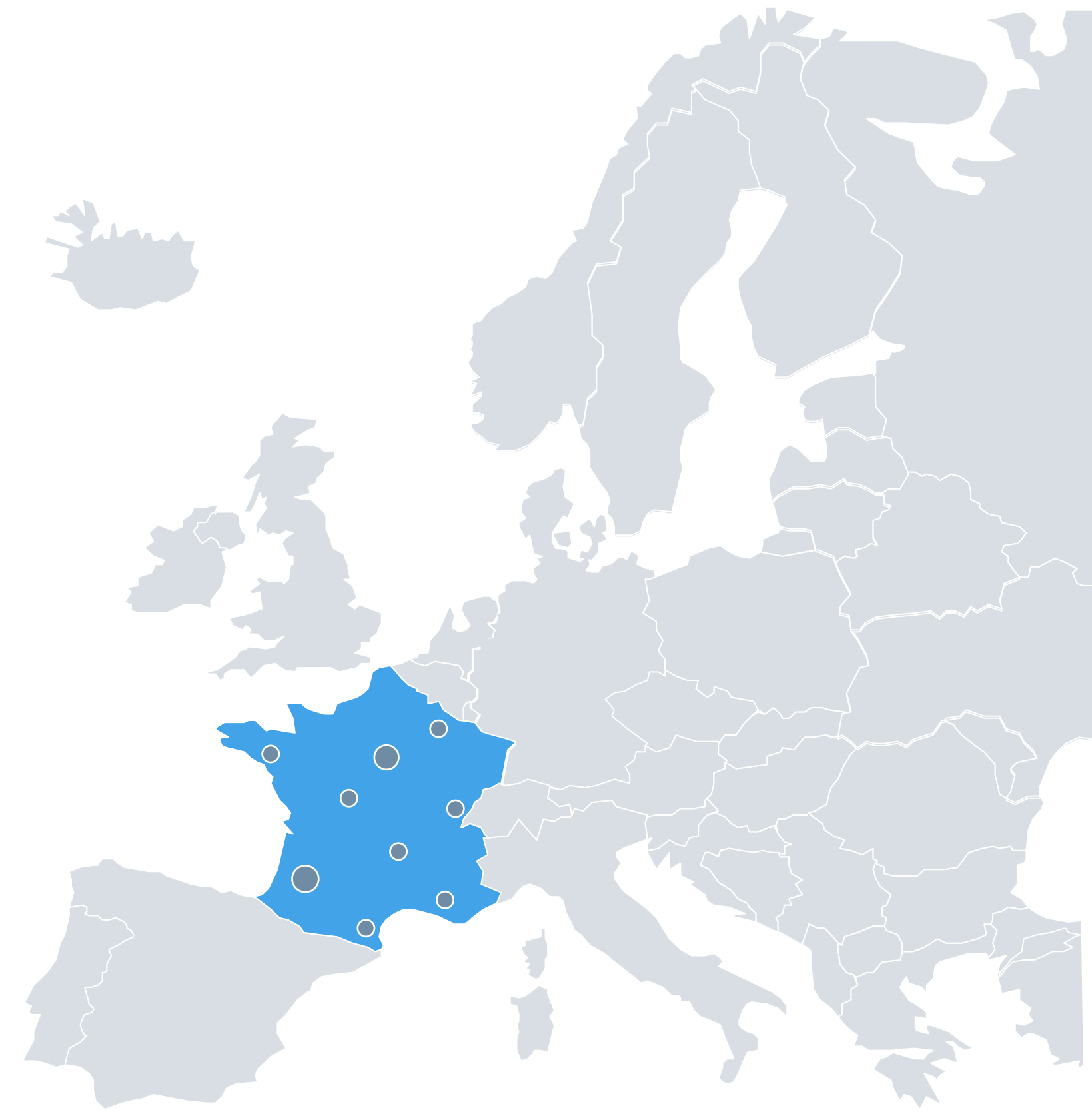


My Device ID

CT Scanner 1

Protocol Name

Chest



Hospital
1 Machine

82%

Hospital
2 Machines

14%

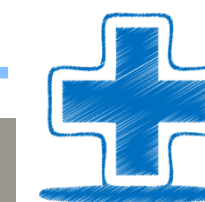
Hospital
3 Machines

4%

Submit

doseWatch+

Created by predix.io



Benchmark

report on doseWatch+



Based on the smallest dose given
(CT Dose Index Average)

	My Hospital ALZ (A.Z.Vesalius)	Hospital ALZ (Campus Sint-Marti)	Hospital ALZ (A.Z. Klina)
CT Dose Index Average	1.543.039.989	435.868.988	6.380.000.114
Pitch factor	0.984375	0.5625	N.A.
X-ray tube current	395.5	1.613.243.256	N.A.
X-ray tube voltage	120	120	100
Exposure time	3.978.640.079	2.555.579.948	N.A.
Scanning length	3.133.172.302	2.053.594.055	6.446.900.024

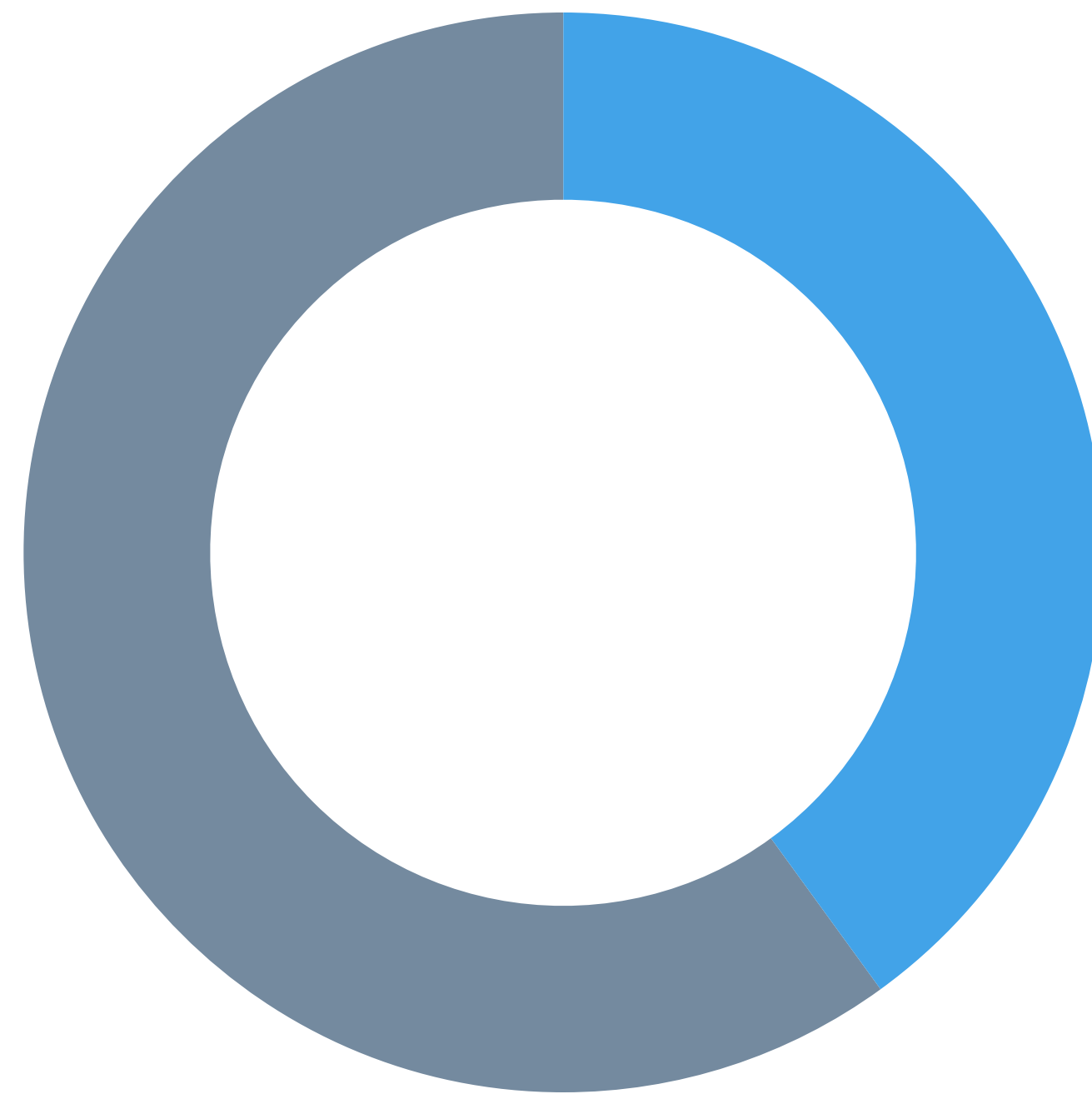


My Device

Home

CT Scanner 1

Excellent!



20%

Top Practitioners

Strictly follow ALARA
(As Low As Reasonably Acceptable)

80%

Suggestions

- Reduce the average x-ray tube current
- Increase pitch factor
- Size Specific Dose Estimate

doseWatch+

Created by predix.io





doseWatch+

Created by predix.io