

I will present mine under the title “Ski and Snowboard Injury Rates in Hakusan, Japan over 8 Seasons (2009-2017)”.

(Introduce)

What do you think of when you hear the word "winter"?

There is a lot of things, for example, cold, Christmas, and much more.

There are also winter-only sports such as skiing.

I will now present a study on skiing.

(Issue)

Skiing is an active sport, so injuries are common.

So how can we reduce injuries?

There are several possible ways to improve equipment, review the management system of ski resorts, and strengthen patrols.

To do this effectively, we analyzed the incidence of injuries in Japanese ski resorts.

(Situation)

We used data from two ski resorts in Ishikawa Prefecture.

The characteristics of the two ski areas are shown in Table 1.

Usually, ski resort injury data is difficult to obtain, but we were able to enlist the cooperation of two ski resorts.

(Analysis)

We used Equation 1, a common method worldwide, for our analysis.

The data and results used in the analysis are shown in the Table 2.

The data do not distinguish between severity and count 1 per injured person.

Injury rate in Japan is 0.91.

(Conclusion)

Table 3 compares the results of the analysis with data from around the world.

This table shows that Japan has the lowest value of any country.

The lack of popularity of Japanese ski resorts is discussed with regard to this result, but this does not have a causal relationship to the single falls that account for the majority of skiing injuries.

However, this does not mean that there is no room for reconsideration in the results of this study.

One of these is the bypass effect.

This is when an injured person complains of symptoms after leaving the ski resort.

Therefore, in the future we will need to take into account the bypass effect and other factors in our analysis.