

**Results:**

The keywords that extracted frequently included; vaccination (n = 160), hesitancy (n = 66), difficulty in access to vaccination (n = 57), knowledge/information scarcity (n = 31), fear for side effect (n = 30), complexity of vaccination schedule (n = 23) and government subsidies (n = 20). The most related keyword with hesitancy was; side effect (n = 20), expensive cost (n = 12), and non-mandatory (n = 10). A keyword of having natural immunity was also closely connected (n = 8).

**Discussion and Conclusions:**

To ameliorate hesitancy among mothers against vaccination of their children, local government notification and subsidy as mandatory vaccination, providing the correct information about diseases and side effects of vaccinations would work as plus factors.

**Key messages:**

- For pandemic preparedness, it is necessary to research vaccine acceptance among children.
- This research is to explore vaccine hesitancy among mothers and factors related to their unwillingness.

## Mother's hesitancy of vaccinating their children in Japan – Text analysis survey

Yui Tanaka

Y Tanaka<sup>1</sup>, Y Tsuchiya<sup>2</sup>

<sup>1</sup>Philosophy, Politics, and Economics, Waseda University, Tokyo, Japan

<sup>2</sup>Advanced Research Center for Human Sciences, Waseda University, Saitama, Japan

Contact: natsuosanpodaisuki@gmail.com

**Background:**

the world is facing a novel coronavirus pandemic, and the role of vaccination and vaccination acceptance is playing an important role under current vaccination deployment. Japan's vaccination system has progressed these days greatly; however, the non-mandatory vaccination rate for children such as mumps, influenza is still low due to mothers' hesitancy. Given this circumstance, we conducted a qualitative analysis using text analysis methods for Japanese mothers with children about their hesitancy to vaccinate their children in Japan.

**Methods:**

We used the data of a questionnaire survey first conducted in 2012, where two hundred and twenty-six mothers participated with an average age of 44.7 years (SD ± 5.02). The questionnaire included open-ended questions, where mothers wrote their opinion freely about vaccination about their children. We conducted text analysis focusing on the keywords of 'hesitancy' (IBM SPSS Text Analytics for Surveys 4.0).