

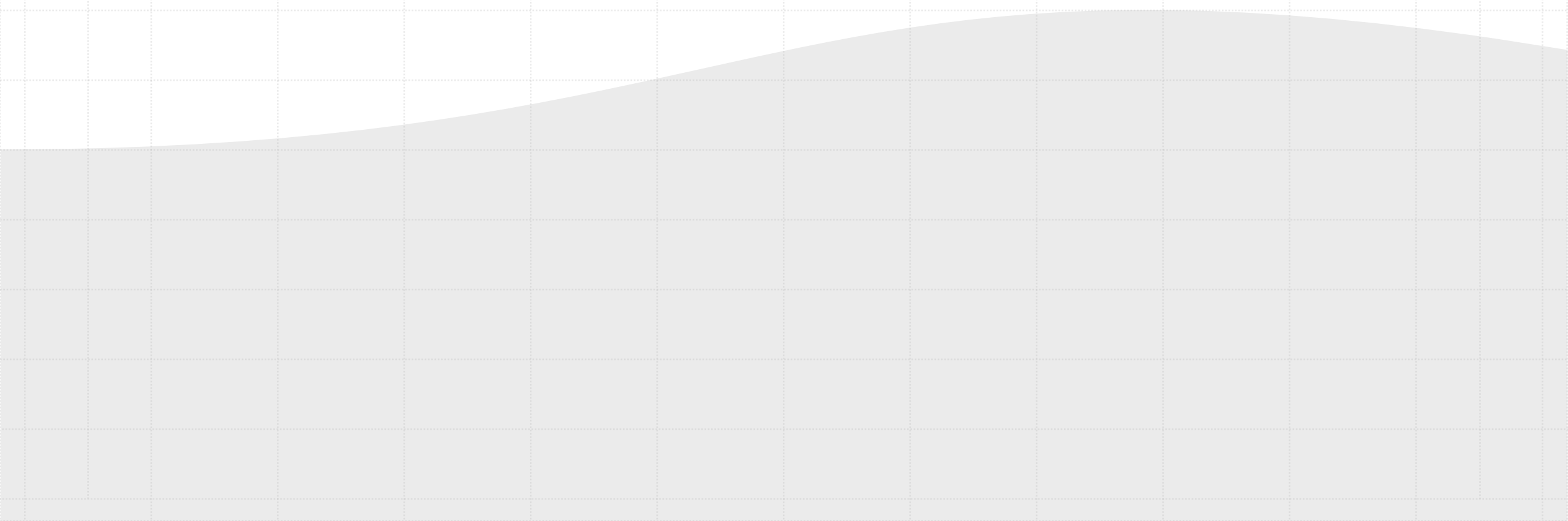


AGENDA

- Module Title : Introduction to Public Health
Module Number: *LCHS 4008 (LON)*
Assignment No: *ASSIGNMENT 1*
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I acknowledge I have not use AI for
this presentation.

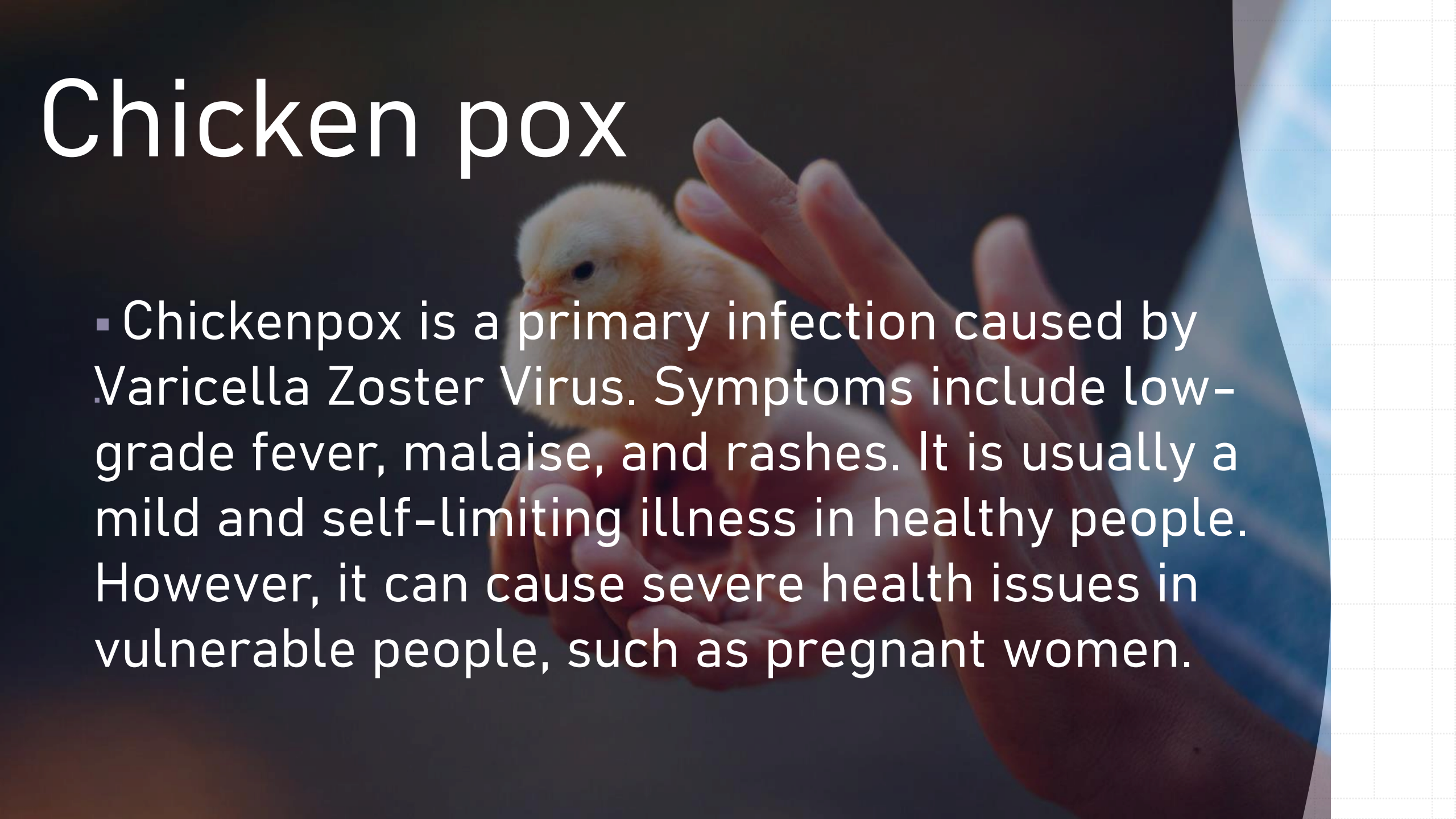


Infectious disease

Chicken pox



Chicken pox

A background image showing a person's hands gently holding a small, fluffy yellow chick. The person is wearing a blue and white checkered shirt. The background is a soft-focus outdoor scene with greenery and a blue sky.

- Chickenpox is a primary infection caused by Varicella Zoster Virus. Symptoms include low-grade fever, malaise, and rashes. It is usually a mild and self-limiting illness in healthy people. However, it can cause severe health issues in vulnerable people, such as pregnant women.



Monitoring

- VZV is easily spreadable through direct personal contact, such as through blisters, saliva or infected mucus.
- It can also be transmitted through the air through sneezing and coughing.
- The only source of routinely available chickenpox surveillance data is through diagnosis given by GPs, which can provide insight into the overall community burden of disease and trends (Bardsley et al, 2016).



An analysis with a two-year transition period (2018–2019) was conducted immediately after the funding of the varicella vaccine. Because of this, it is difficult to provide vaccines for every patient. While this approach scientifically advances the effects for a long term effect, this does signify that communities are put at risk due to vaccines taking a long time to process (Fay et al, 2026).

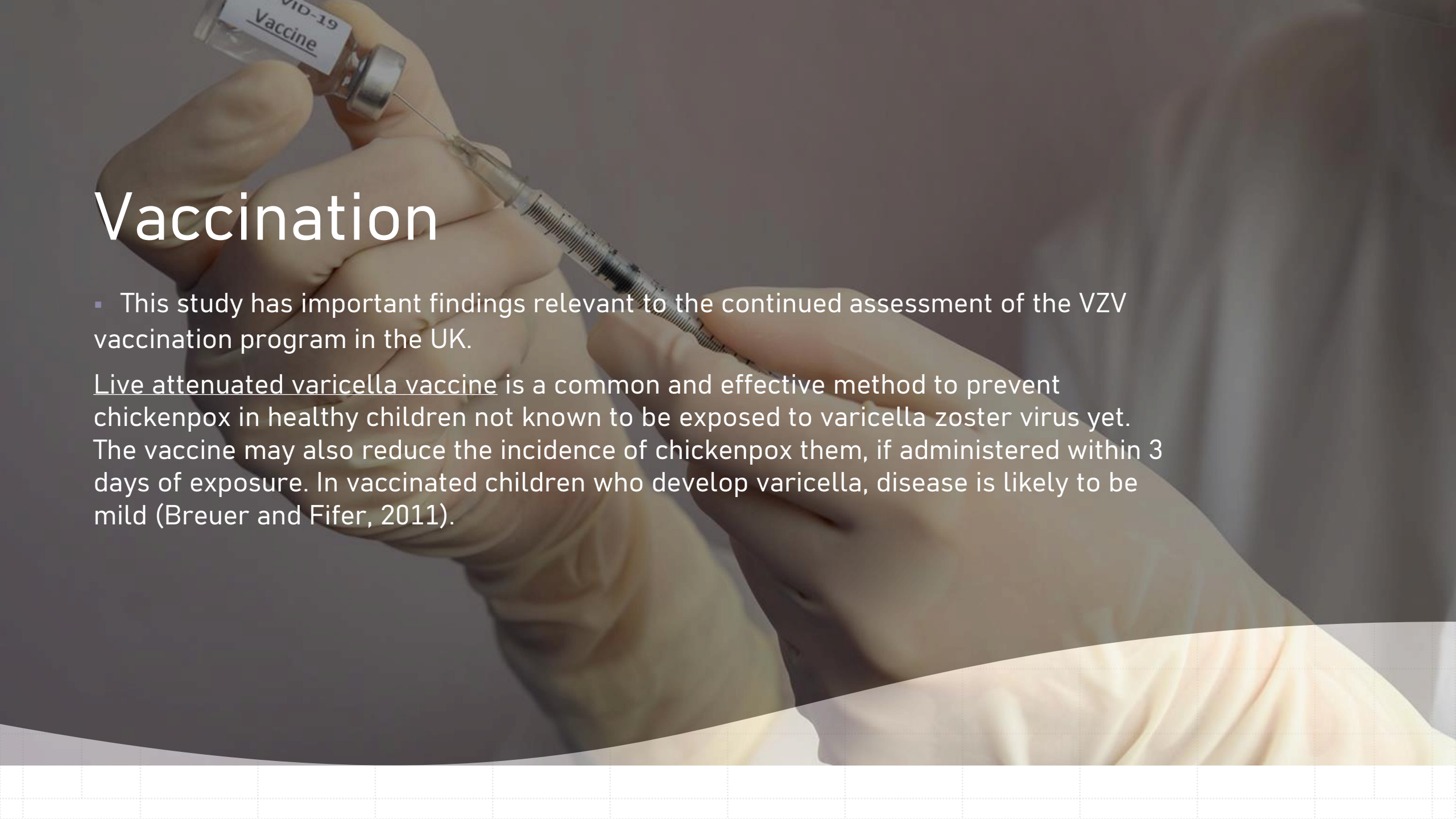


Understand the factors influencing the health and well-being of individuals in a health or social setting.

The impact of home care on the physical health of the elderly has many layers. According to data, chronic disease management slightly decreased after home care development, from an average of 6.48 to 6.24. In the home care environment, there is a more comprehensive health care approach, including emotional support and social interaction (Zhong, Huang, Luo and Xu, 2026).

How to control chicken pox





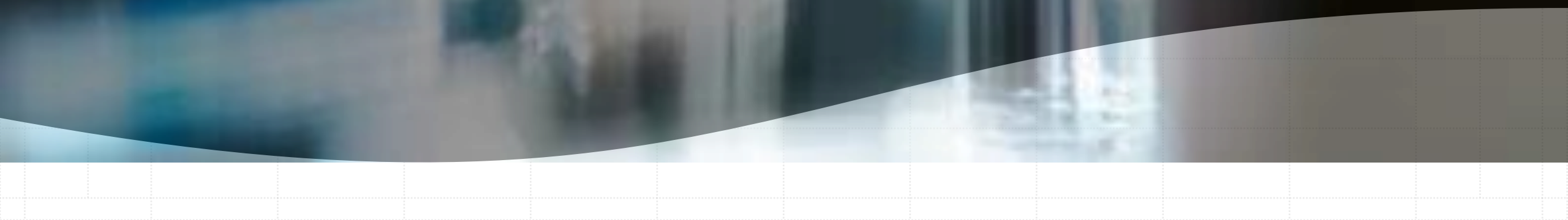
Vaccination

- This study has important findings relevant to the continued assessment of the VZV vaccination program in the UK.

Live attenuated varicella vaccine is a common and effective method to prevent chickenpox in healthy children not known to be exposed to varicella zoster virus yet. The vaccine may also reduce the incidence of chickenpox them, if administered within 3 days of exposure. In vaccinated children who develop varicella, disease is likely to be mild (Breuer and Fifer, 2011).

Conclusion

- Experts advise all of those invited to take up the offer of a jab. “The best way to prevent infection and reduce virus spread is to get the chicken pox vaccine,” said Jonathan Stoye, a virologist and emeritus scientist at the Francis Crick Institute in London (Lang, 2026).





References

Bardsley, M., Loveridge, P., Bednarska, N.G., Smith, S., Morbey, R.A., Amirthalingam, G., Elson, W.H., Bates, C., de Lusignan, S., Todkill, D. and Elliot, A.J., 2023. The epidemiology of chickenpox in England, 2016–2022: an observational study using general practitioner consultations. *Viruses*, 15(11), p.2163.

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