

Building a Shingles Atlas for Adult Vaccination:

Brazil

National Vaccine Recommendations Process

Brazil's National Immunization Technical Advisory Group (NITAG) is the Technical Advisory Committee on Immunizations (CTAI). CTAI works for the National Immunization Program (PNI) as a technical and scientific advisory board.(1) Responsibilities of the CTAI include:

- Evaluating the PNI's impacts on vaccine-preventable diseases within Brazil.
- Evaluating the vaccination schemes adopted by the PNI.
- Recommending immunization topics for research.
- Evaluating strategies for the vaccines used in Brazil.
- Evaluating the Ministry of Health's basic vaccine schedule regarding the inclusion of new vaccines or removal of certain vaccines.
- Evaluating the inclusion or withdrawal of special immunobiologicals used in Brazil's Special Immunobiological Reference Centres.
- Making suggestions for the composition of special technical committees for assessments and opinions, which require more specific and thorough studies.
- Contributing to the elaboration and/or the revision of the PNI's technical norms (2)

Shingles Vaccine Recommendations and Schedules

WHO's vaccination schedule for Brazil does not have shingles listed as a disease of interest for vaccination.(3)

Additionally, based on Brazil's Health Surveillance Guide, as of 2022, shingles is not on the national list of compulsory notifiable diseases and no epidemiological surveillance has been established to understand the number of people affected by this disease. (4)

Adult Shingles Vaccine Funding

Currently unavailable.

Vaccine Coverage Rates

Currently unavailable.

Monitoring Mechanisms for Vaccination Coverage

Currently unavailable.

Prevalence rate on burden of shingles

Only cost data on the burden of shingles is readily accessible and is only available for chicken pox and shingles combined for adults 65 years of age and older within the public health system. This information is published by the Information Department of the Unified Health System (DATASUS). Between 2010 to 2019, the total cost of hospitalization for this population was R\$ 17,683,123 and the total cost of hospital services in the period was R\$ 15,470,797.(5)

Shingles Vaccination Pathway

Currently unavailable.

Barriers:

The lack of recommendations, information, and availability of the shingles vaccine are evident barriers to the opportunity of receiving this protection against shingles.

References

1. View of the Post-vaccination adverse event surveillance landscape at the end of the 2010s: importance, tools and challenges | Public Health Notebooks [Internet]. [cited 2023 Aug 20]. Available from: <https://cadernos.ensp.fiocruz.br/ojs/index.php/csp/article/view/7522/16690>
2. Ministério da Saúde [Internet]. [cited 2023 Aug 20]. Available from: https://bvsms.saude.gov.br/bvs/saudelegis/svs/2003/prt0011_03_09_2003.html
3. Vaccination schedule for Brazil [Internet]. [cited 2023 Aug 20]. Available from: https://immunizationdata.who.int/pages/schedule-by-country/bra.html?DISEASECODE=&TARGETPOP_GENERAL=
4. Health surveillance guide - 5th edition.pdf — Ministry of Health [Internet]. [cited 2023 Aug 20]. Available from: <https://www.gov.br/saude/pt-br/assuntos/saude-de-a-a-z/m/meningite/publicacoes/guia-de-vigilancia-em-saude-5a-edicao.pdf/view>
5. Javier Balan D, Bardach A, Palermo C, Alconada T, Sandoval M, Nieto Guevara J, et al. Economic burden of herpes zoster in Latin America: A systematic review and meta-analysis. *Hum Vaccin Immunother* [Internet]. 2022 Dec 30 [cited 2023 Nov 15];18(7). Available from: <https://www.tandfonline.com/doi/abs/10.1080/21645515.2022.2131167>