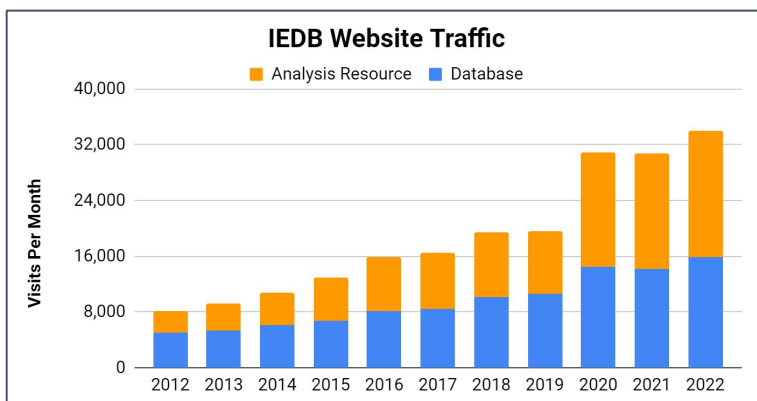


# Immune Epitope Database and Analysis Resource Program and its impact in the scientific community

The Immune Epitope Database and Analysis Resource (IEDB) serves the scientific community as an online, freely available, one-stop resource to advance immunology research. The database allows easy searching of all published experimental data characterizing antibody and T cell epitopes related to infectious disease, allergy, autoimmunity, and transplantation as studied in humans, non-human primates, and other animal species. The companion Analysis Resource site hosts tools that assist in the prediction and analysis of B cell and T cell epitopes.

In order to measure the impact of the program within the scientific community, the team evaluates the IEDB's reach in the context of website traffic (**Figure 1**), literature citations (**Figure 2**) and US patent citations (**Figure 3**). Each metric is presented below in association with related considerations and conclusions.

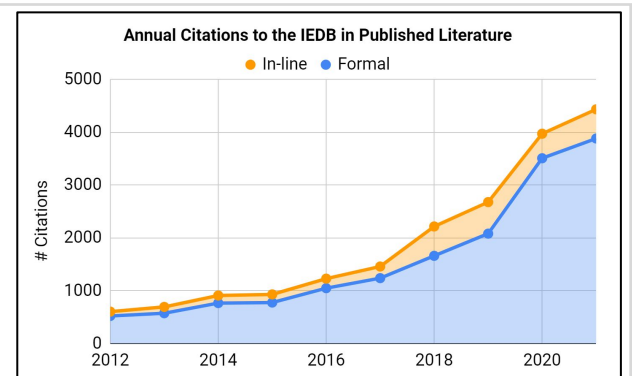


**Figure 1:** Median visits per month on an annual basis.

- A “visit” is defined as the number of sessions initiated by any user but excludes IEDB team IP addresses.
- Website traffic data is reviewed quarterly.
- In 2022, the Database and Analysis Resource was accessed by 193,736 unique users worldwide.

**Figure 2:** Annual literature citations to IEDB publications.

- Performed annually in April to allow for publications from the previous year to be updated on PubMed and Google Scholar.
- The 2021 analysis is based on 177 IEDB publications since 2003, including book chapters and conference proceedings.
- “In-line” refers to an informal reference to the IEDB rather than to a specific publication.
- Citation counts exclude self-citations.



**Figure 3:** Annual US Patent citations to IEDB publications.

- Each patent family counts as one patent. The earliest patent that cited the IEDB was used as the representative patent for the family.
- Generated by searching Google Patents, lens.org and Publish or Perish.
- Manual inspection to ensure that they pertained to the IEDB, and then further evaluated for how the IEDB was used.
- The IEDB is projected to be cited by 103 US patent families in 2022, based on 77 records retrieved in September 2022.

