

# The OVC Biobank: facilitating translational research

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Smiling Blue Skies



**Our Mission: To facilitate basic, translational, and comparative research, advancing the understanding of disease and improving the lives of companion animals, with the potential to contribute to comparative human research**

- ❖ First veterinary biobank in Canada
  - Registered with the Canadian Tissue Repository Network (CTRNet) and International Society for Biological and Environmental Repositories (ISBER)
  - Upcoming affiliation with the Ontario Tumour Bank (OTB) and newly-formed federation of Ontario biobanks
- ❖ Over 1850 cases banked, comprised of more than 32,500 aliquots
- ❖ Contributions to 36 internal and external research projects
- ❖ Samples include serum, plasma, fresh frozen and RNA later-preserved tissue
- ❖ 12 characterized primary cancer cell lines with others available for projects

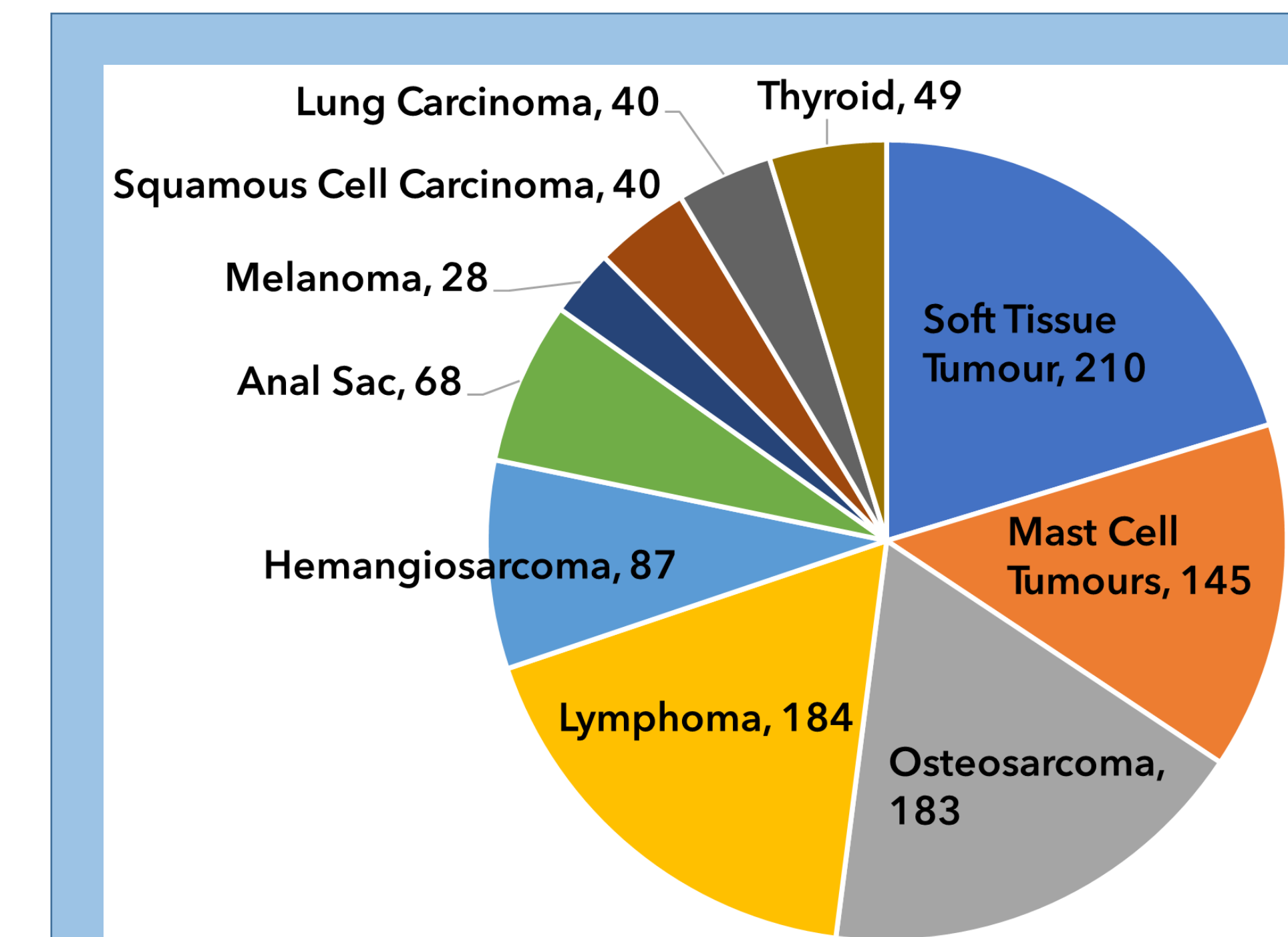
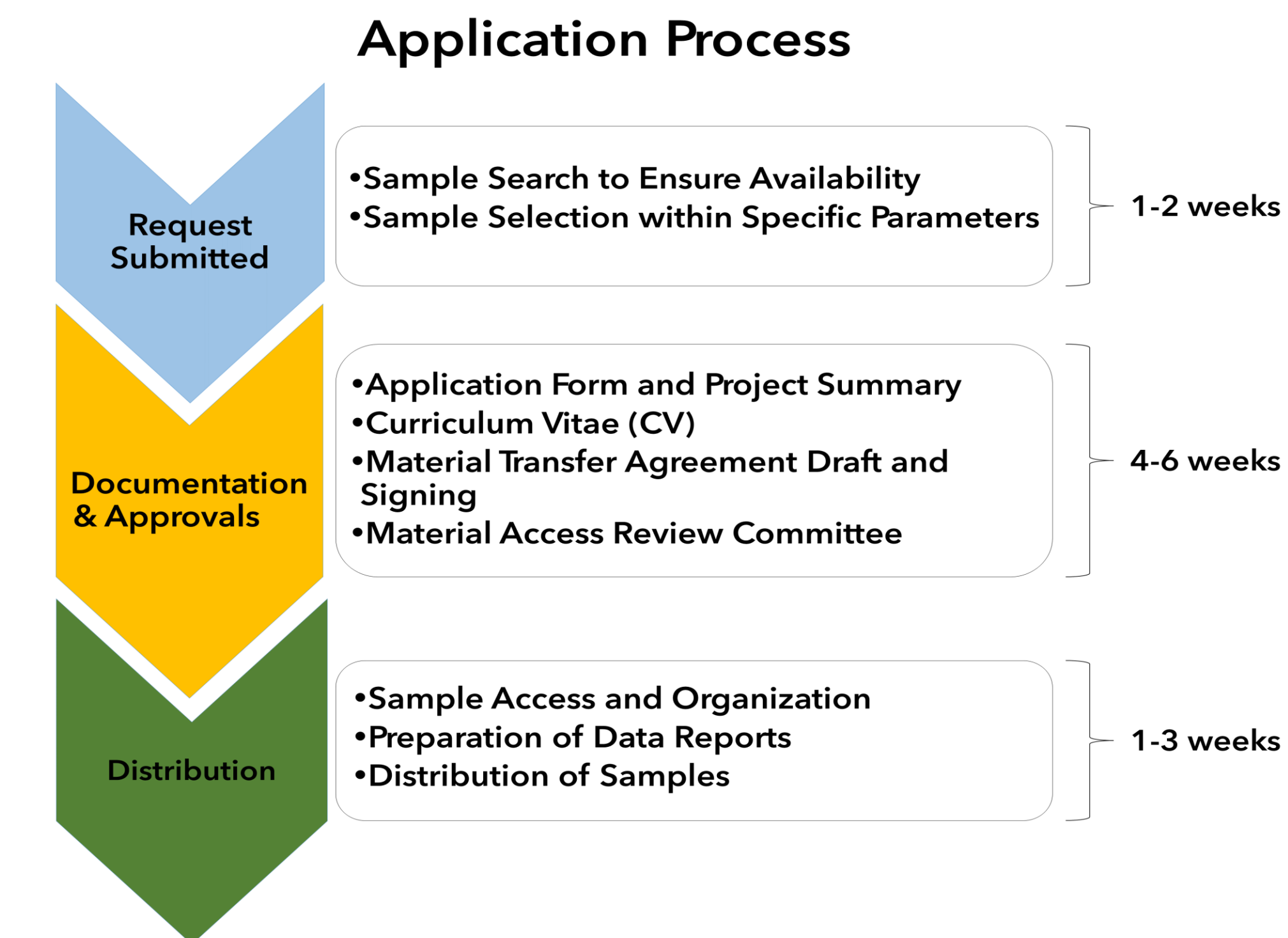
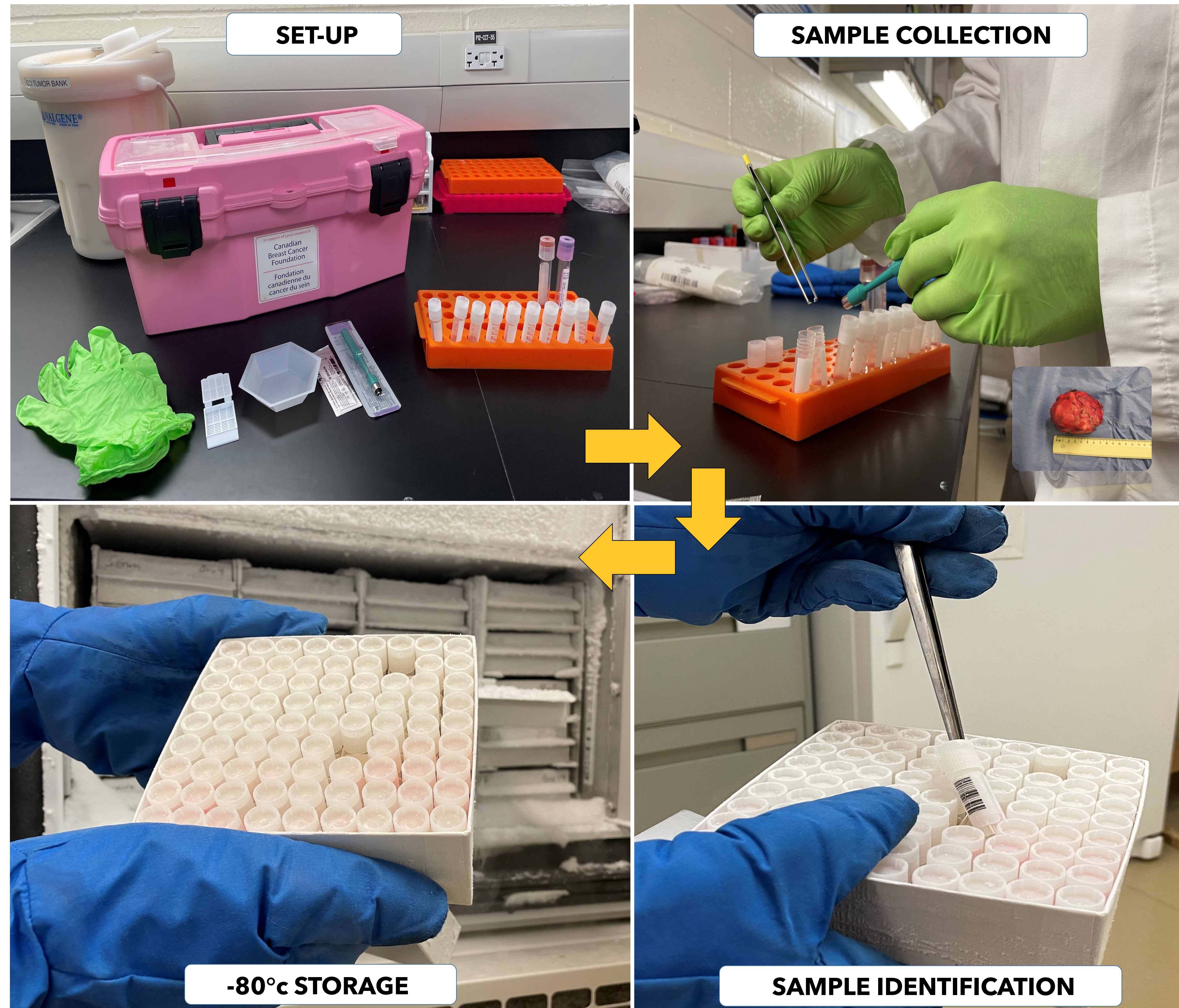


Figure 2 - Distribution of the ten most prevalent canine tumour types in the CATSB, and number of cases per cancer type.

Table 1 - The four most prevalent feline tumour types in the CATSB, and number of cases per tumour type

Tumour Type	Number of Cases
Mammary Carcinoma	16
Soft Tissue Sarcoma	16
Osteosarcoma	9
Lymphoma	12

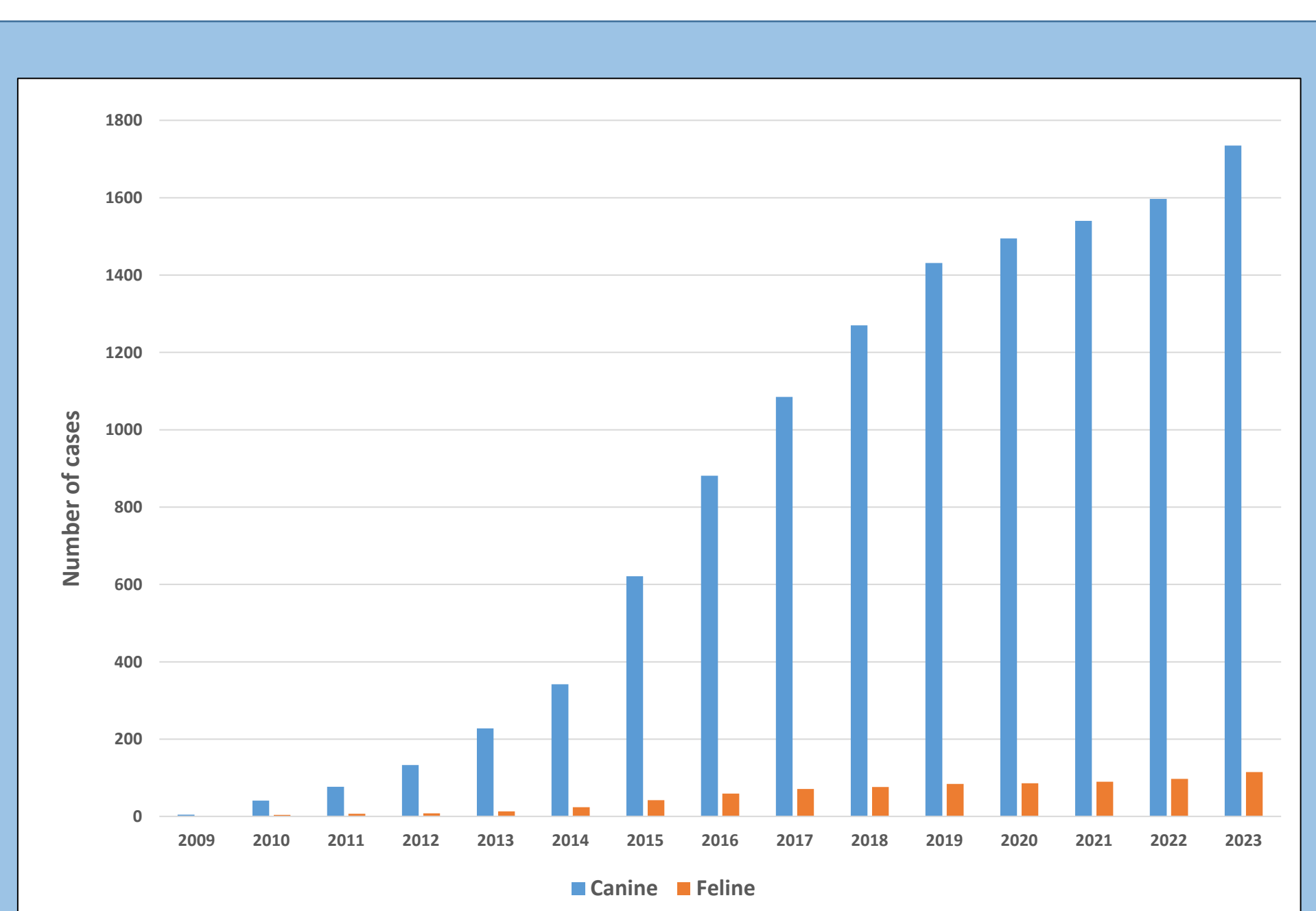
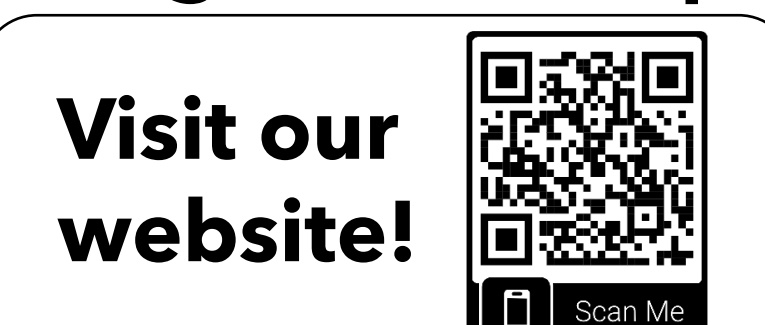


Figure 1 - Total number of cases banked in the CATSB from May 2009 to December 2023.

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