

Nonhuman Primate Importation During the SARS-CoV-2 Pandemic



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Objectives

- ❑ Explain the regulations regarding the importation of nonhuman primates into the United States
- ❑ Compare the numbers of imported nonhuman primates for fiscal year (FY) 2019, FY2020 and the first part of FY 2021



42 CFR Part 71.53

Requirements for Importers of Nonhuman Primates (NHP)

- **Prevent transmission of zoonotic disease**
- **Importation regulated since 1950's**
- **Current regulation effective 2013**
- **Restricts importation - only for permitted purposes**
- **Comprehensive requirements for registered importers**



CDC NHP Activities

- **Review registration applications**
- **Inspect quarantine facilities**
- **Review import plans**
- **Monitor arriving shipments**
- **Conduct periodic site visits**
- **Review importer records**
- **Assess disease-control measures**
- **Verify NHP imported for permitted purposes**
- **Investigate illness/mortality reports**



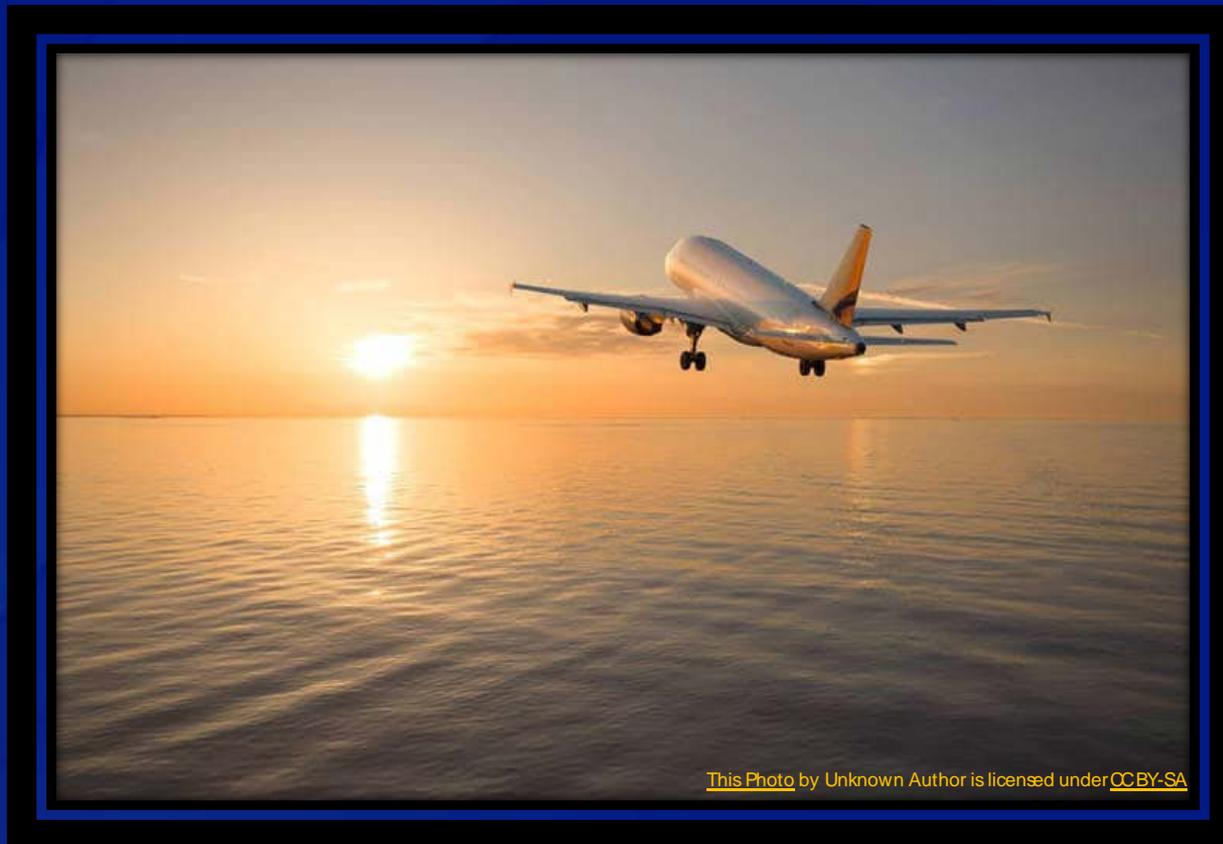
CDC-Registered Importers of Nonhuman Primates (NHP)

- **14 commercial importers**
- **6 zoos**
- **2 national primate research centers**
- **1 university**
- **2 animal acts**

25 total

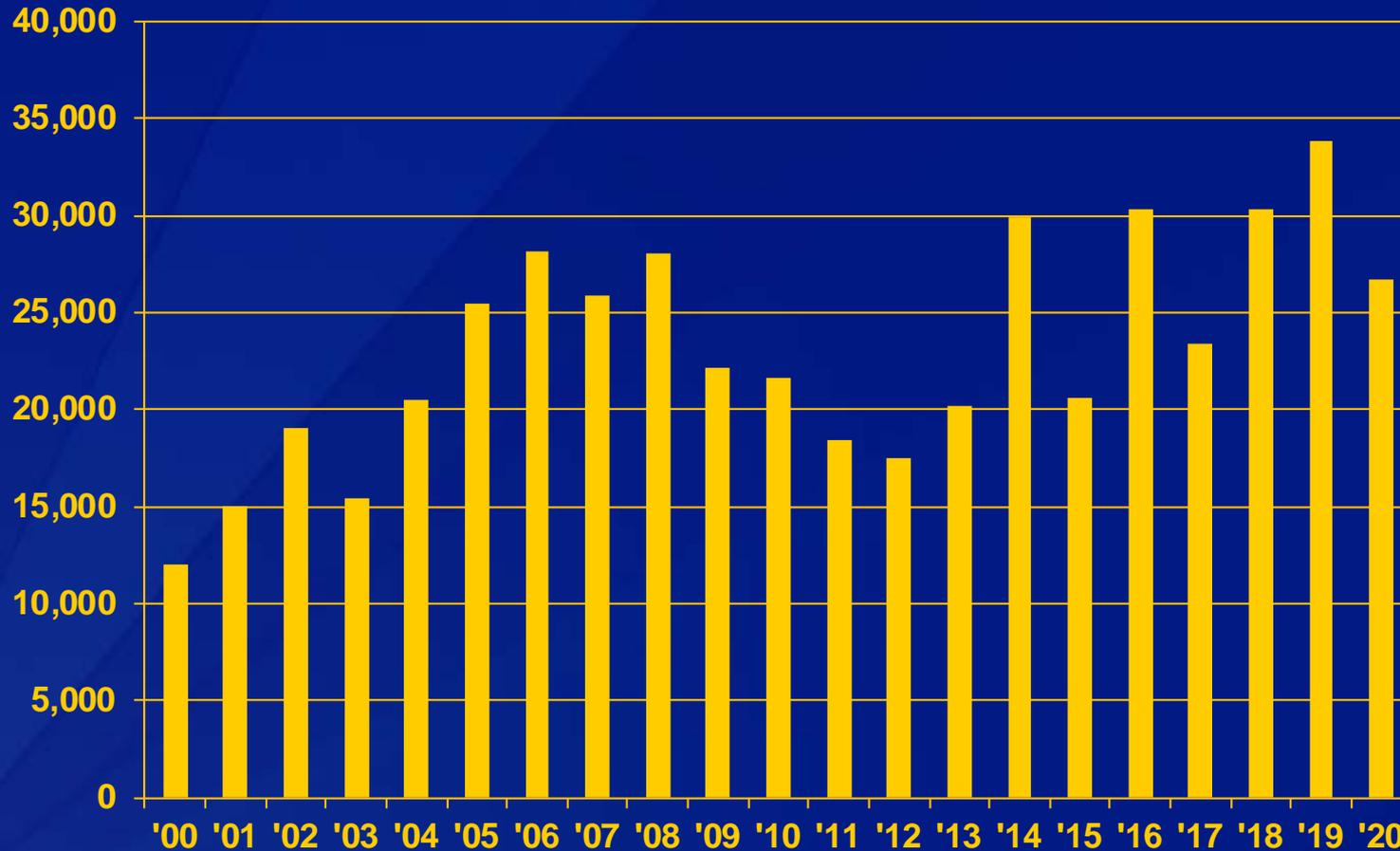


NHP Importation Data October 1, 2019 to September 30, 2020



NHP Imports, All Species FY 2000–2020

Number of NHPs



NHP Summary Data FY 2020 vs. FY 2019

	Number FY2020	Percent	Number FY2019	% Change
Total animals imported	26,728*	—	33,818	- 21.0%
Total shipments	115	—	162	-29.0%
Total animals DOA ¹	4	0.0%	6	-33.3%
Total died in quarantine	75	0.3%	71	+ 5.6%

¹ Dead on arrival

* Includes 1 smuggled spider monkey (not counted as a shipment)



NHP Importation Data by Country of Origin, FY 2019 vs FY 2020

Country	Number FY 2019	Number FY 2020
Cambodia	8571	15,664
Mauritius	3540	5,032
China	20,270	3,723
Philippines	0	700
St. Kitts & Nevis	328	528
Vietnam	840	480



NHP Importation Data by Country of Origin FY 2019 vs FY 2020 (cont.)

Country	Number FY 2019	Number FY 2020
South Africa	160	320
Barbados	0	192
Canada	17	40
Guyana	52	40
Czech Republic	0	4
Germany	39	4
Argentina	1	0
Total from all countries	33,818	26,727



NHP Importation Data by Species, FY 2019 vs. FY 2020

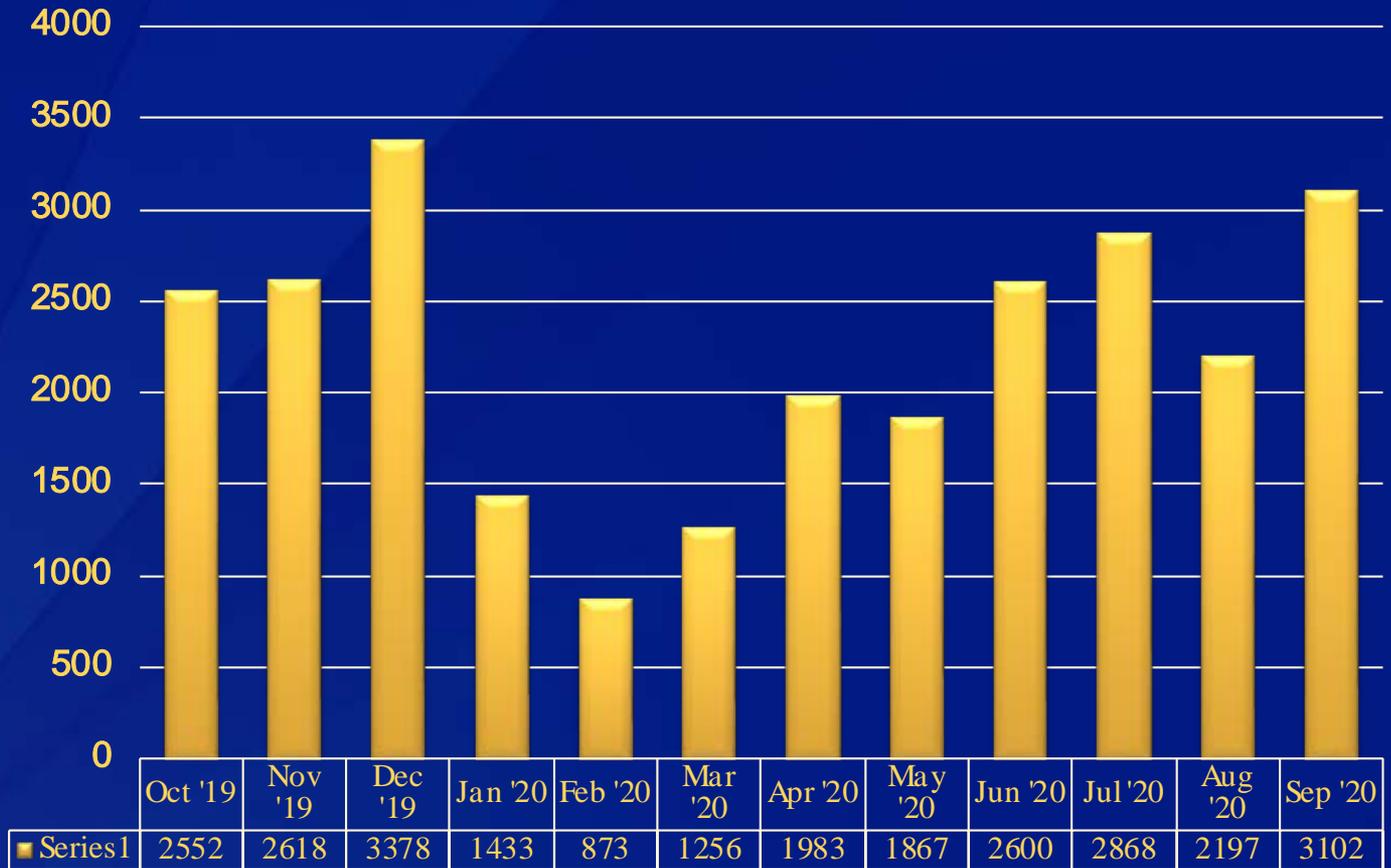
Species	Number FY2019	Number FY2020	% Change
Cynomolgus	32,439	24,879	– 23.3%
Rhesus	844	763	– 9.6%
African green	282	720	+ 155.3%
Marmosets	195	326	+ 67.2%
Squirrel monkey	30	34	+ 13.3%
Capuchin	15	0	– 100.0%
Various*	13	6	– 23.0%
Total	33,818	26,728	– 21.0%

* FY2020 Includes 2 Colobus, 1 De Brazza's, 2 Samang, and 1 (smuggled) spider monkey
 FY2019 Includes 7 Saki, 1 Colobus, 4 Gelada, and 1 Orangutan



NHP Imports by Month, FY 2020

Number of NHPs



NHP Importation Data FY 2020 vs. FY 2021 October – January

Country of Origin	Species	Number of Animals FY 2020	Number of Animals FY 2021
Cambodia	Cynomolgus	3636	7084
China	Cynomolgus	3003	0
Mauritius	Cynomolgus	3725	3725
Philippines	Cynomolgus	700	350
Vietnam	Cynomolgus	120	240
Canada	Rhesus	45	45
China	Rhesus	720	0
* Germany	Rhesus	4	0



NHP Importation Data FY 2020 vs. FY 2021 October – January

Country of Origin	Species	Number of Animals FY 2020	Number of Animals FY 2021
Barbados	African greens	0	144
St. Kitts & Nevis	African greens	0	100
South Africa	Marmosets	80	80
United Kingdom	Marmosets	0	44
Guyana	Squirrel monkeys	0	63
Guyana	Capuchins	0	38
Total monkeys Imported		9981	11,923



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- **Importers continue to ship primarily medium-sized shipments on commercial flights**
- **Imported animals in the first 5 months of FY 2021, increased compared to the first 5 months of FY 2020**



Acknowledgments

Sara Taetszch, DVM, MPH, DACVPM

Neelam Kaushik MPH, MS

Emily Pieracci, DVM, MPH, DACVPM

Cara Williams, DVM



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Questions?

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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

