

Updated Report on The Distribution of FCI Pedigree Dogs in the European Union in 2022

Attila Márton



Table of Contents

Introduction	1
Conclusion.....	2
Distribution.....	2
Trends.....	2
Detailed Figures and Charts	3
The Distribution of FCI Pedigree Dogs in the European Union in 2022.....	3
FCI Pedigree Dog Distribution in the EU – 2022	4
Tendency of Distribution	4
FCI Pedigree Dog Distributions in the EU per Country in 2022 (Austria – Hungary).....	5
FCI Pedigree Dog Distributions in the EU per Country in 2022 (Ireland – Sweden)	5
Percentages of FCI Pedigree Dog Distributions in the EU per Country – 2022	6
Deviations of FCI Pedigree Dog Distributions in the EU per Country – 2022.....	6
Tendencies in Overall Dog Population and New FCI Pedigree Registration in the EU and Its Member States – Charts	7
Number of Yearly Registered FCI Pedigree Dogs – 2010 – 2023.	16
Overall Dog Population in the EU based on the FEDIAF Reports – 2017 - 2022	18
Tendencies in Overall Dog Population and New FCI Pedigree Registration in the EU and Its Member States – Charts	19
Methodology	28
Interpretation	28
General Limitations and Assumptions.....	28
Assessment of the Total Dog Population in the EU.....	29
Challenges in Estimating the Dog Population	29
Primary Data Source: FEDIAF	29
Data Sources and Methodological Changes.....	29
Limitations in Data and Coverage	29
Estimation of the Total FCI Pedigree Dog Population	30
Overview	30
Assumptions	30
Methodology	30
Rationale.....	30
Considerations and Limitations.....	31
Conclusion.....	31
Acknowledgement of AI Utilization in Analysis.....	32

Introduction

As societal expectations around animal welfare and responsible ownership continue to advance, there is increasing focus on understanding the distribution, the impact, and characteristics of pedigree dogs across Europe. This report revisits the analysis of the distribution of Fédération Cynologique Internationale (FCI) pedigree dogs within the European Union (EU) in 2022, incorporating newly available data and updated methodologies.

While the original report provided key insights into the prevalence of FCI pedigree dogs across EU member states, this updated version addresses **significant data improvements**. Most notably, comprehensive data for **Germany's FCI pedigree registrations have been included**, offering a more complete view of the region.

Furthermore, **FCI registration data in 2023** is available. Data gap and trend calculations in this report are based on the updated dataset.

Additionally, **recalculated figures** from the European Pet Food Industry Federation (FEDIAF) have refined previous estimates of the total pet dog population, enabling more accurate comparisons and assessments.

Despite the improved data coverage, it is important to acknowledge that the analysis still relies heavily on estimates, especially regarding the overall dog population.

Given that FCI does not hold exclusive rights to registering purebred dogs, the figures in this report **are limited to the registrations managed by its member organisations**.

This report aims to provide an updated and refined **perspective on the distribution of FCI pedigree dogs within the owned pet dog population within the EU**, offering stakeholders, including policymakers, veterinarians, and breeders, a clearer understanding of the landscape. By incorporating the latest available data and addressing known gaps, this report contributes valuable **information for ongoing discussions** surrounding canine welfare debates, breed-specific regulations, and broader societal attitudes toward dog ownership.

London, 2 November 2024

Attila Márton

Conclusion

Distribution

The **updated EU average distribution** of FCI pedigree dogs is **13.67%**, with a **standard deviation of 14.62%**.

It is crucial to emphasise that the overall population estimates **exclude shelter and free-roaming dogs**, which are not typically accounted for in the FEDIAF data. This exclusion can lead to an **underrepresentation of the total dog population** in countries with significant stray dog populations.

56% of the countries have a national distribution of FCI pedigree dogs **below the EU average**, while **44%** **exceed** it.

These statistics reinforce the observation that **FCI pedigree dogs represent a distinct minority in most EU countries**. The diversity in these figures points to regional differences in cultural preferences and societal attitudes toward dog ownership.

Trends

The updated analysis reveals a **continuation of the trends** observed in prior years, with the overall proportion of pedigree dogs relative to the total dog population declining to 13.67%. This **represents a notable decrease** from the 14.95% observed in 2019.

Despite the continuously growing overall dog population, the share of **FCI pedigree dogs has consistently dropped** year over year, driven by **an increase in non-pedigree dogs**.

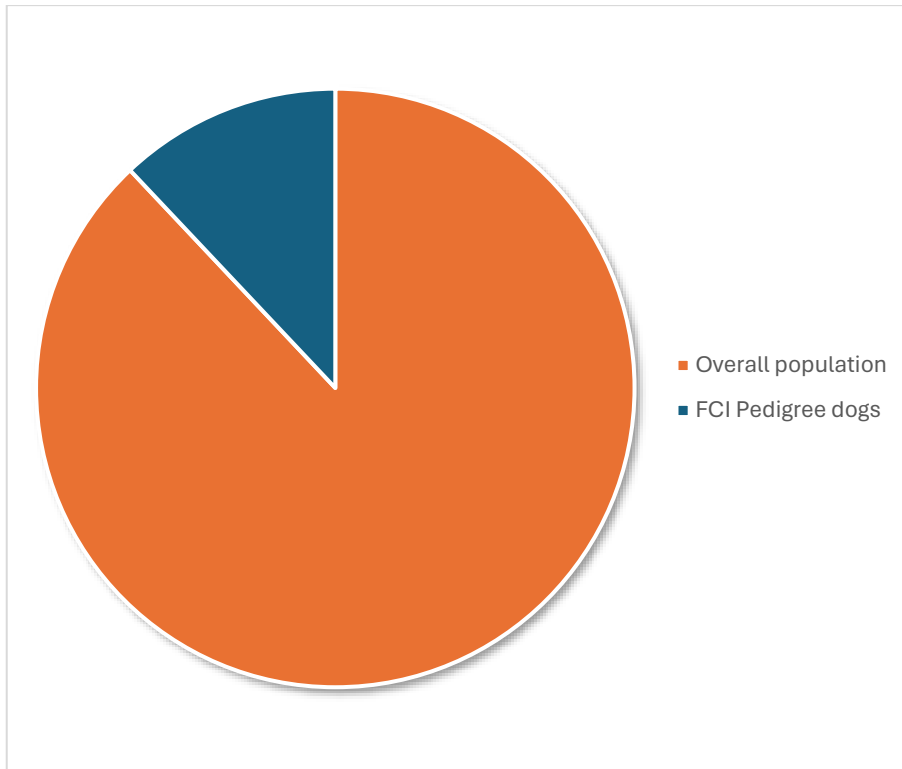
In analysing the calculated trends, it is essential to recognise that the “overall population” refers to the estimated figures based on FEDIAF reports. At the same time, the FCI pedigree data represents the number of new registrations each year.

Detailed Figures and Charts

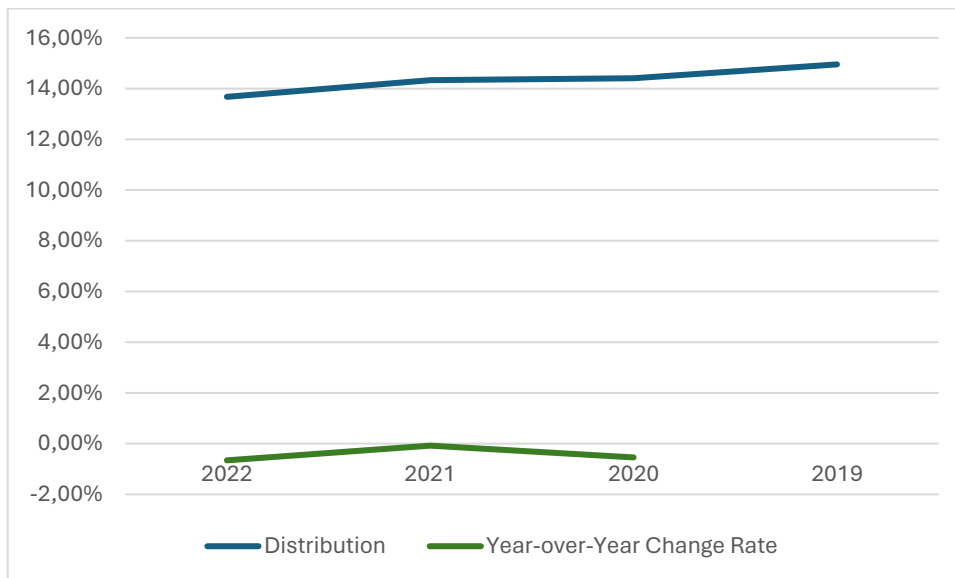
The Distribution of FCI Pedigree Dogs in the European Union in 2022.

Country	Overall population	FCI Pedigree dogs	Distribution	Deviation
Austria	837 000	90 120	10,77%	-2,91%
Belgium	2 029 000	207 710	10,24%	-3,44%
Bulgaria	752 000	38 714	5,15%	-8,53%
Croatia	735 500	111 774	15,20%	1,52%
Cyprus	N/A	10 958	N/A	N/A
Czech Republic	2 208 000	439 441	19,90%	6,23%
Denmark	643 000	220 509	34,29%	20,62%
Estonia	243 500	50 007	20,54%	6,86%
Finland	797 000	499 363	62,66%	48,98%
France	7 600 000	2 361 793	31,08%	17,40%
Germany	10 600 000	763 880	7,21%	-6,47%
Greece	655 000	84 128	12,84%	-0,83%
Hungary	2 800 000	199 404	7,12%	-6,55%
Ireland	520 000	188 658	36,28%	22,61%
Italy	8 755 000	1 612 490	18,42%	4,74%
Latvia	268 000	31 843	11,88%	-1,79%
Lithuania	580 000	71 829	12,38%	-1,29%
Luxembourg	N/A	2 877	N/A	N/A
Malta	N/A	17 112	N/A	N/A
Netherlands	1 830 000	371 191	20,28%	6,61%
Poland	8 109 000	475 433	5,86%	-7,81%
Portugal	2 840 000	154 810	5,45%	-8,22%
Romania	4 244 000	137 334	3,24%	-10,44%
Slovakia	911 000	121 192	13,30%	-0,37%
Slovenia	299 000	41 074	13,74%	0,06%
Spain	9 313 000	583 884	6,27%	-7,41%
Sweden	1 051 000	527 168	50,16%	36,48%
TOTAL (excluding Cyprus, Luxemburg, and Malta)	68 620 000	9 383 747	13,67%	14,62%

FCI Pedigree Dog Distribution in the EU – 2022



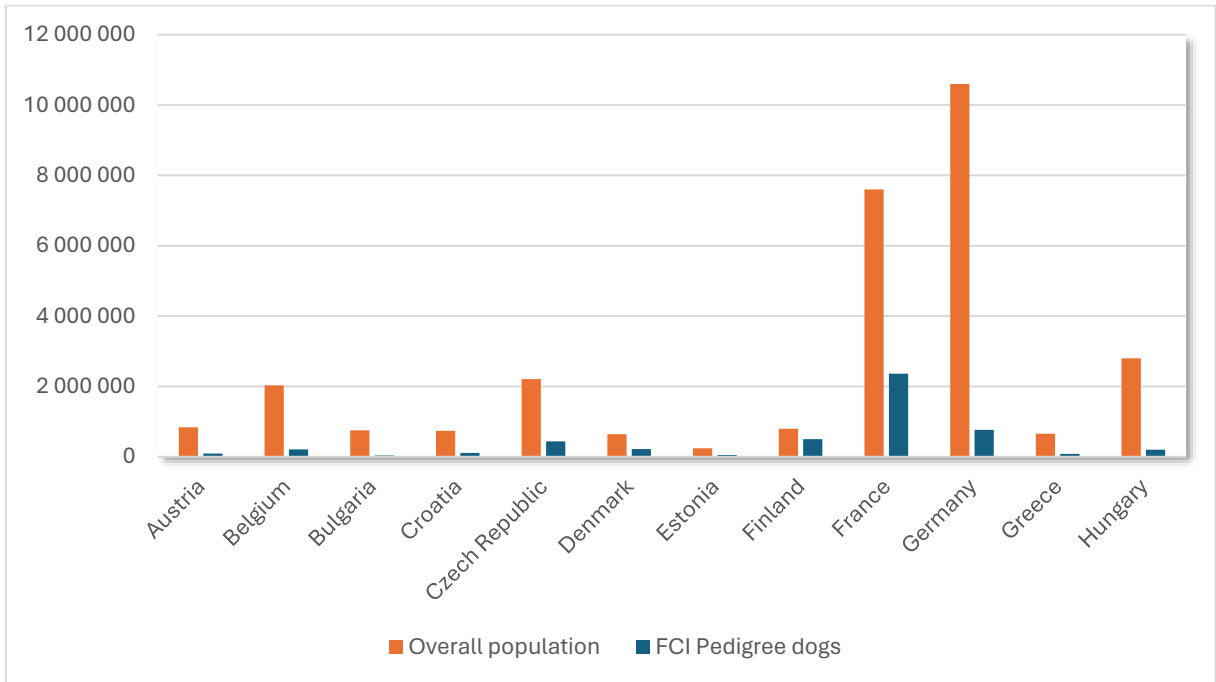
Tendency of Distribution



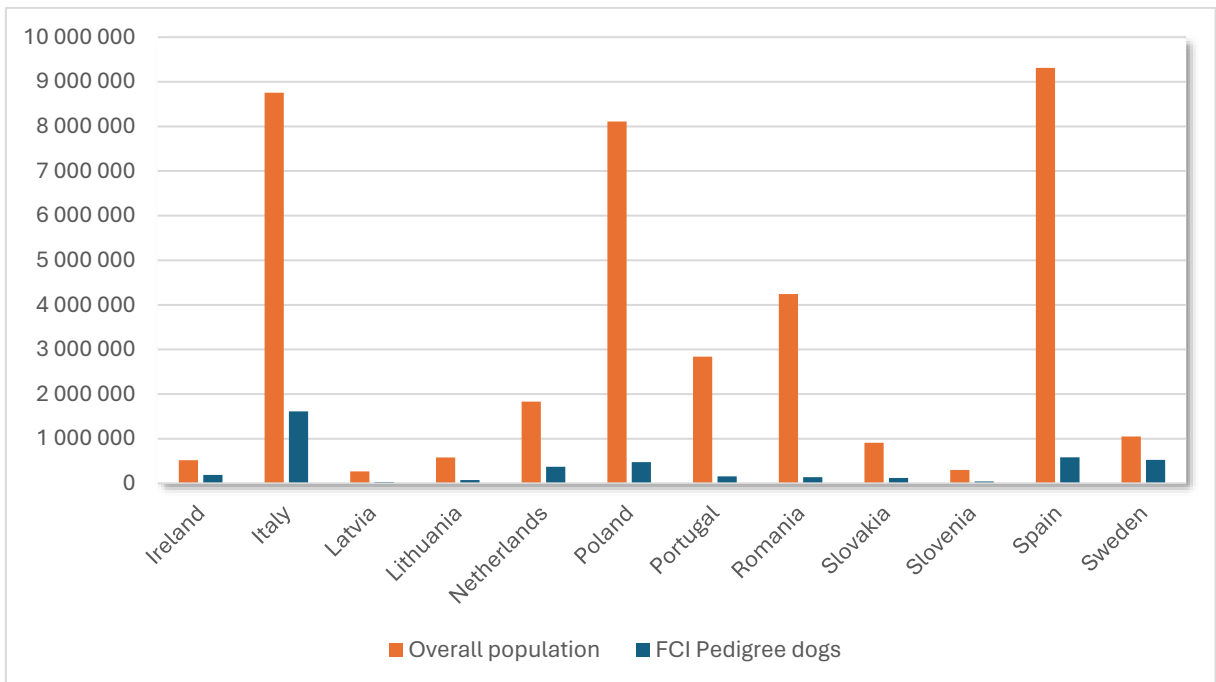
	2022	2021	2020	2019
Distribution	13,67%	14,33%	14,41%	14,95%
Year-over-Year Change Rate	-0,66%	-0,08%	-0,54%	

Excluding Cyprus, Luxemburg, and Malta

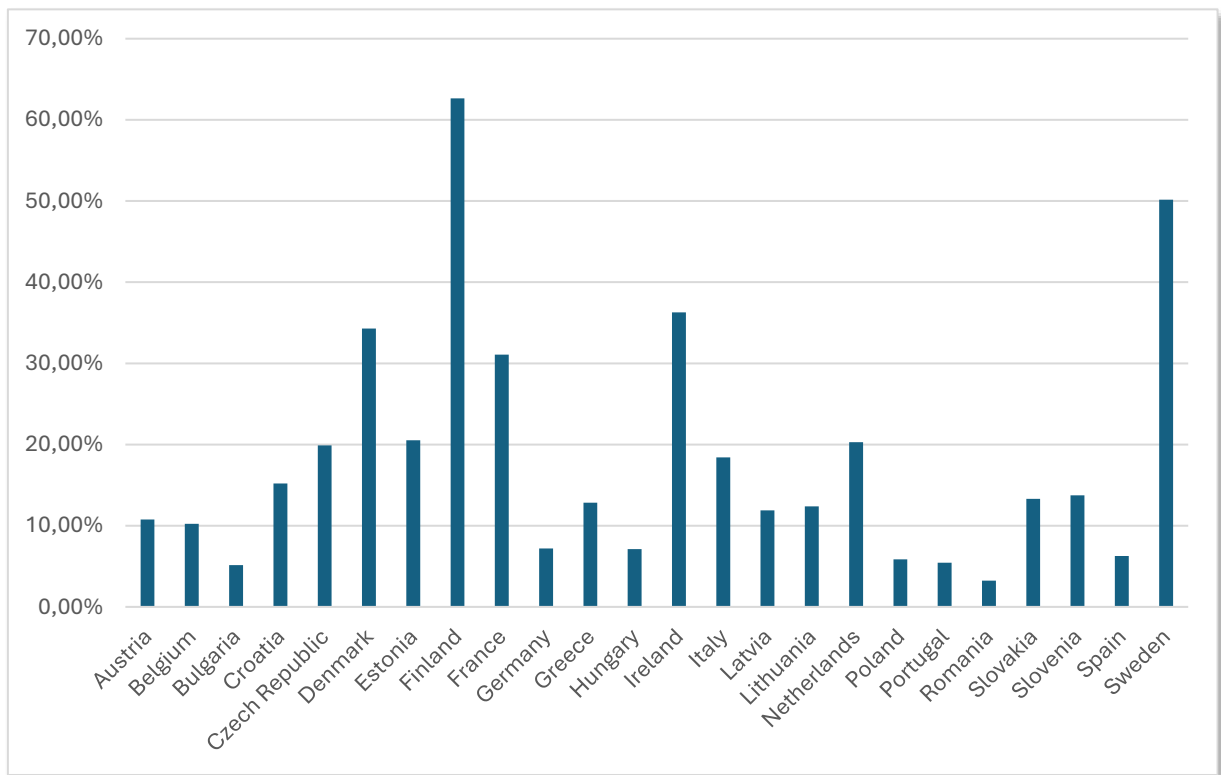
FCI Pedigree Dog Distributions in the EU per Country in 2022 (Austria – Hungary)



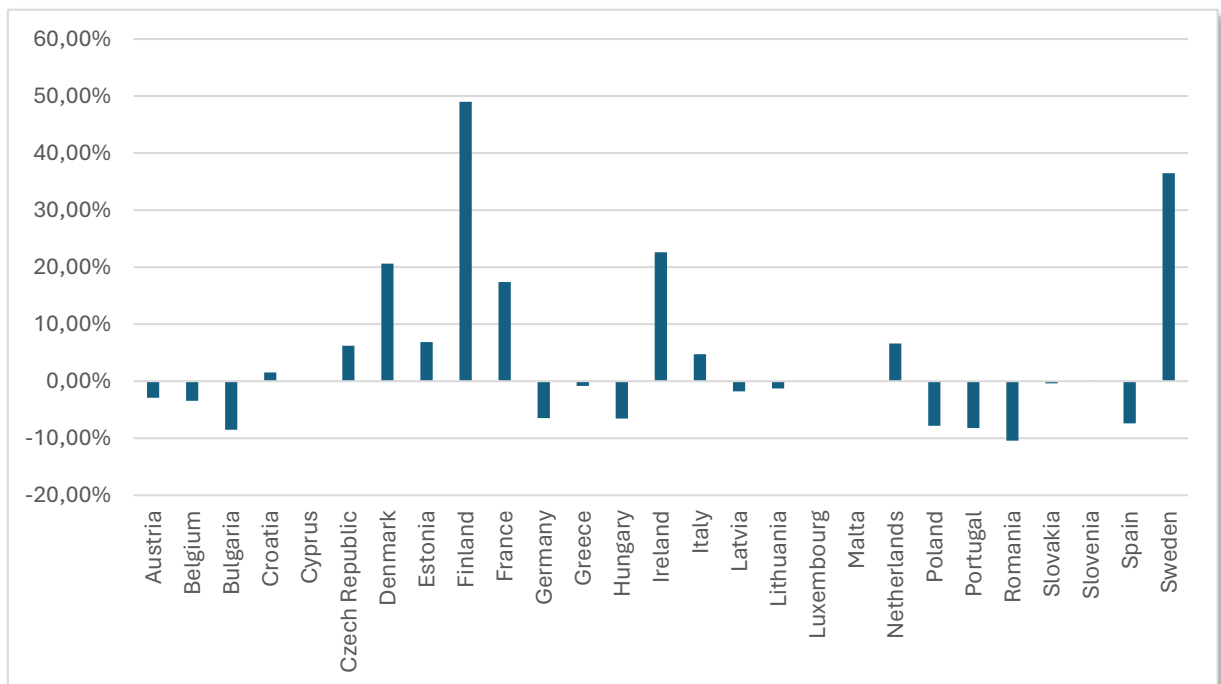
FCI Pedigree Dog Distributions in the EU per Country in 2022 (Ireland – Sweden)



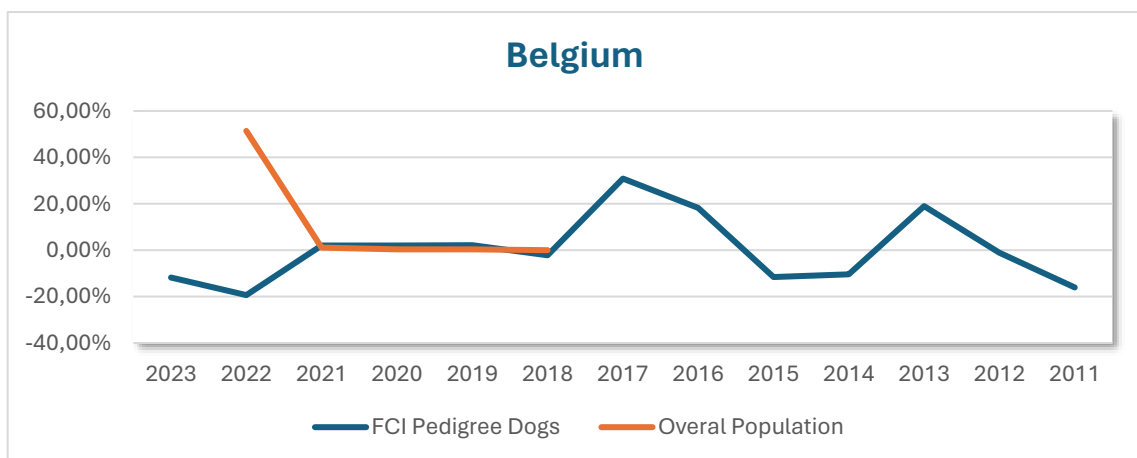
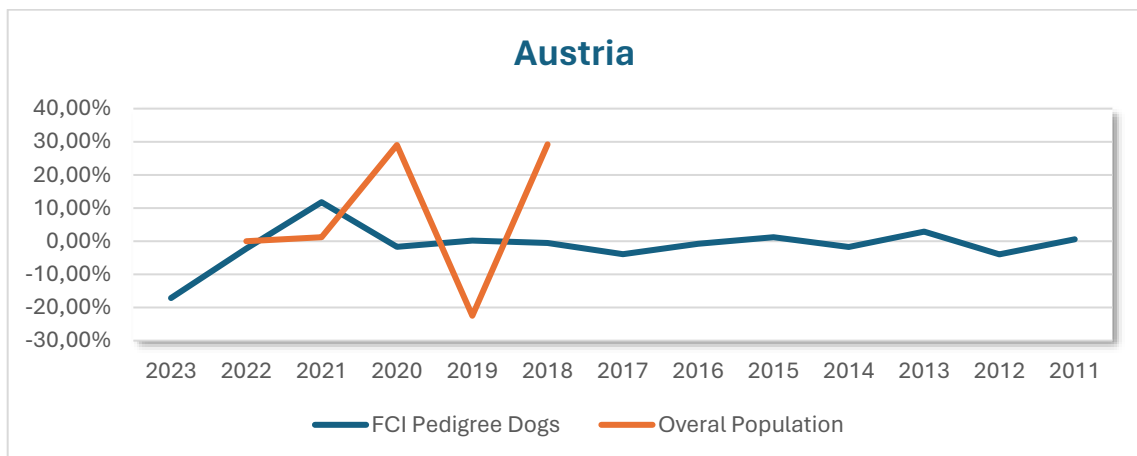
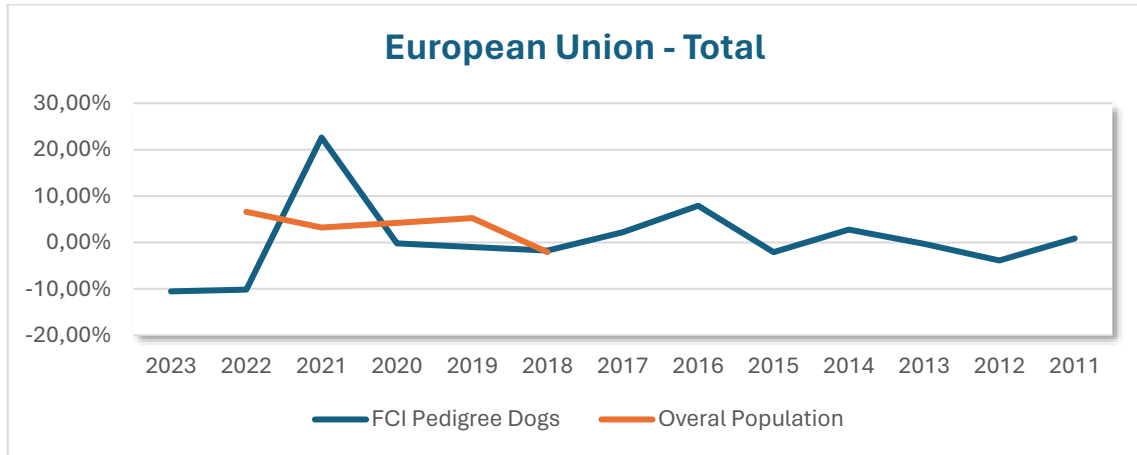
Percentages of FCI Pedigree Dog Distributions in the EU per Country – 2022



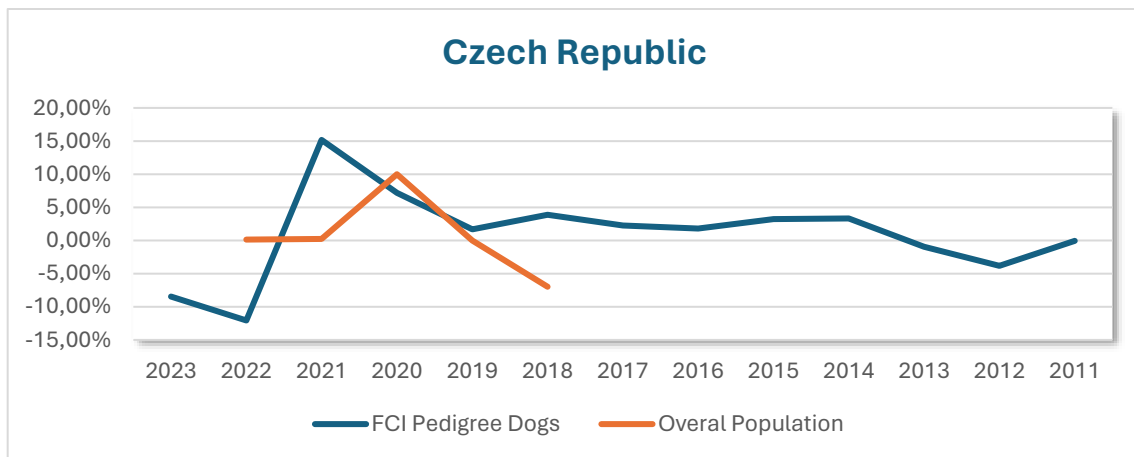
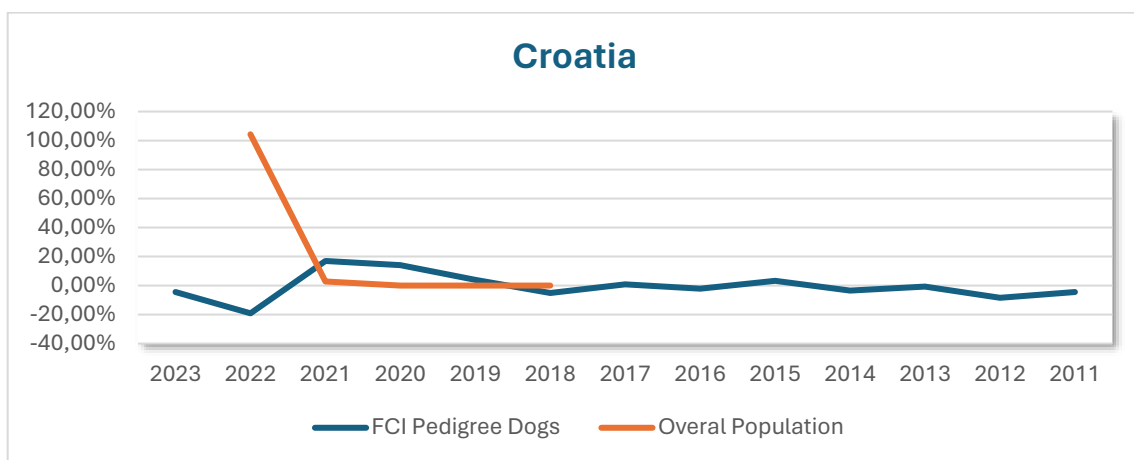
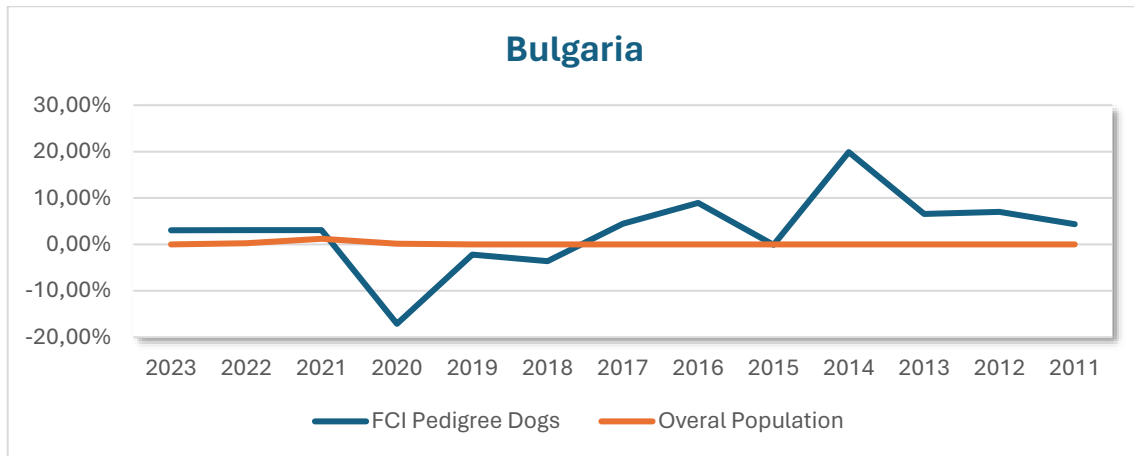
Deviations of FCI Pedigree Dog Distributions in the EU per Country – 2022



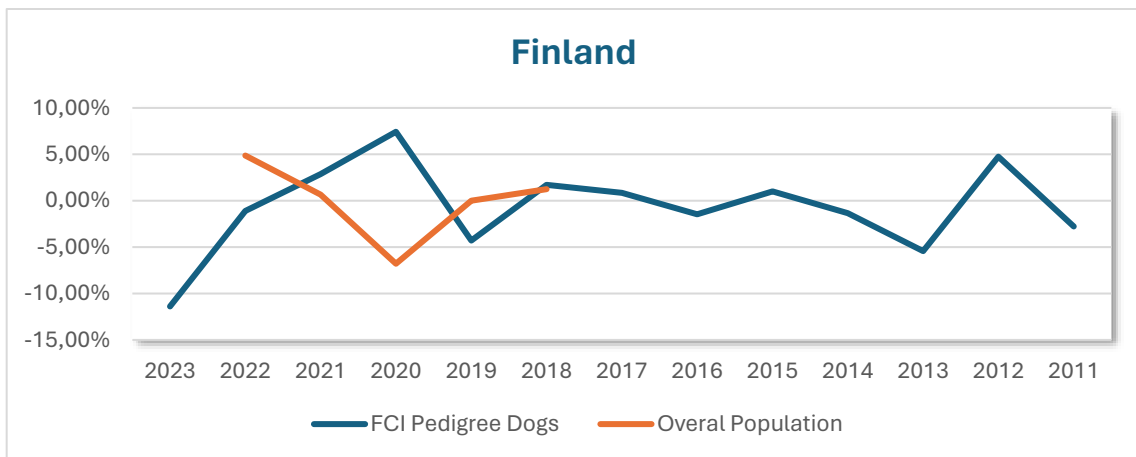
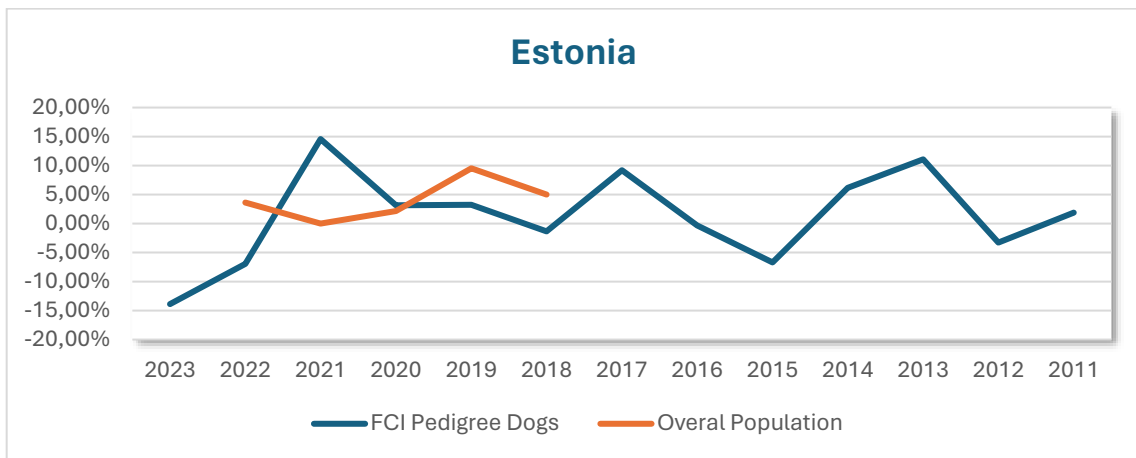
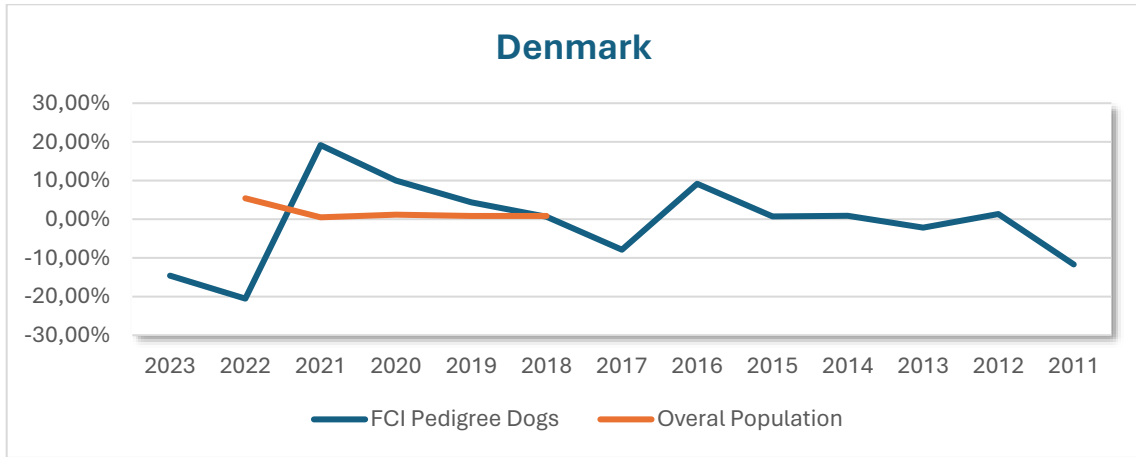
Tendencies in Overall Dog Population and New FCI Pedigree Registration in the EU and Its Member States – Charts



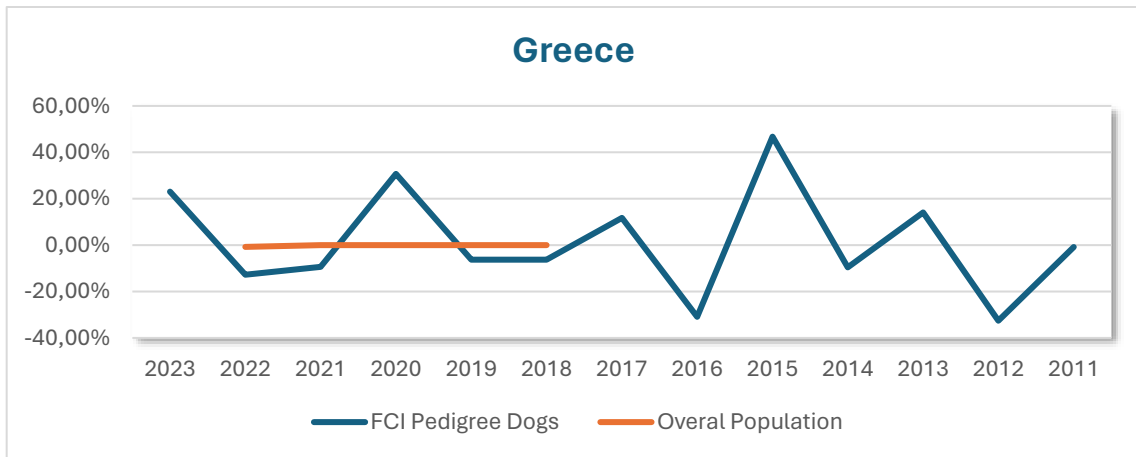
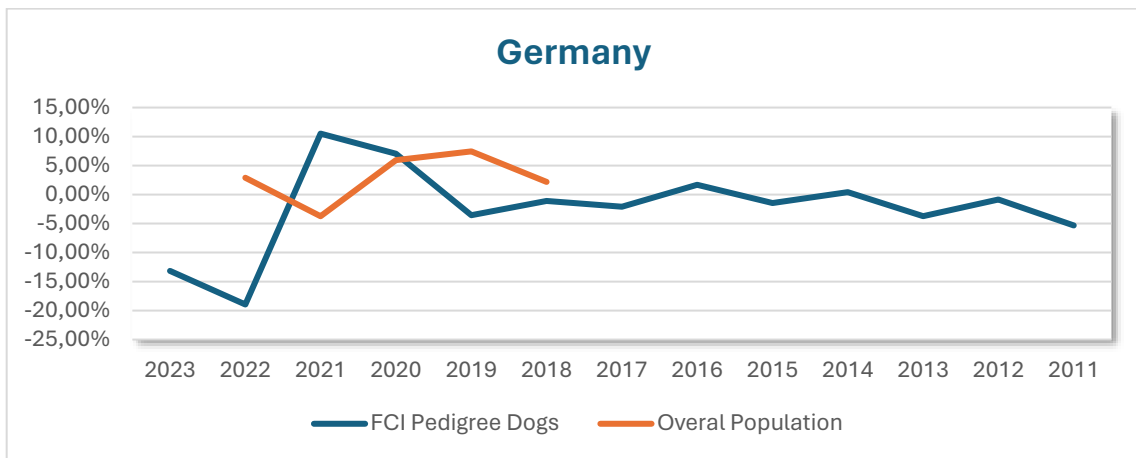
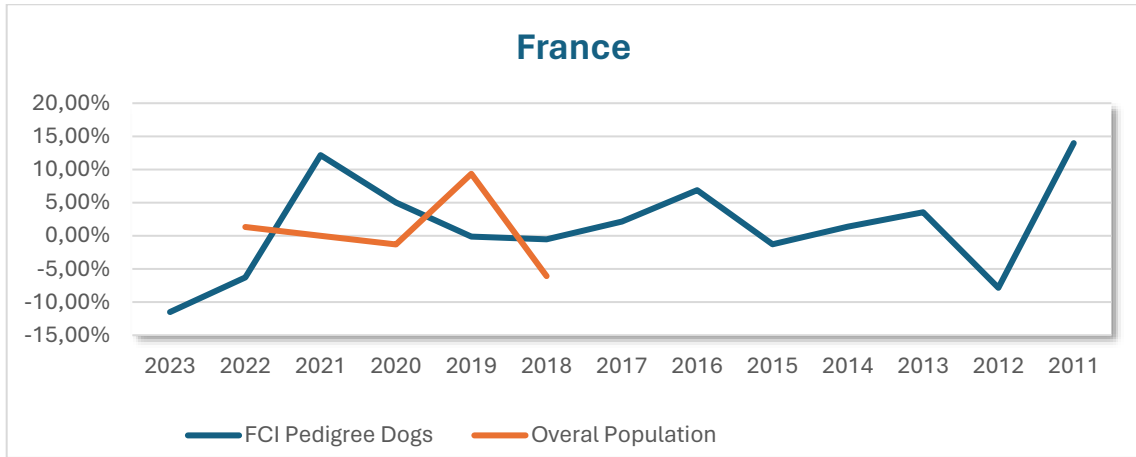
The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated



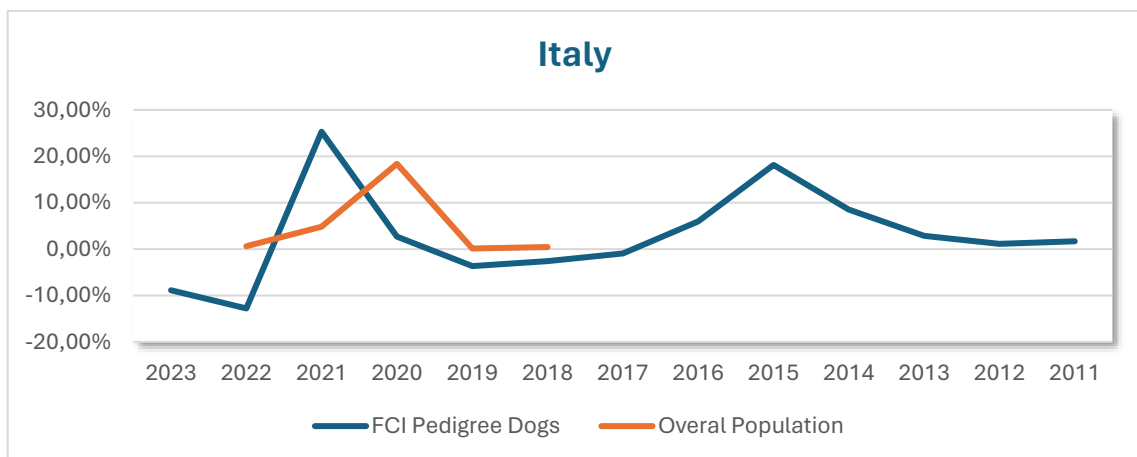
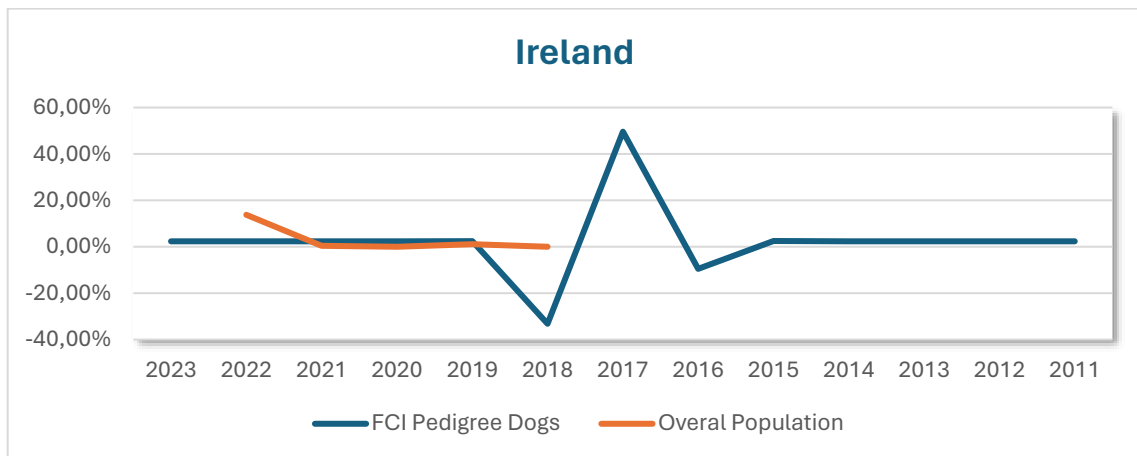
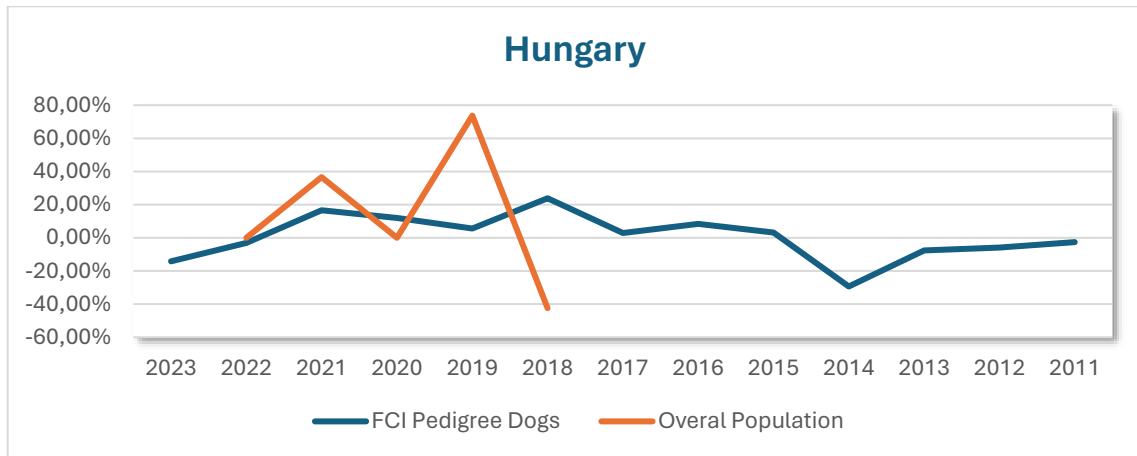
The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated



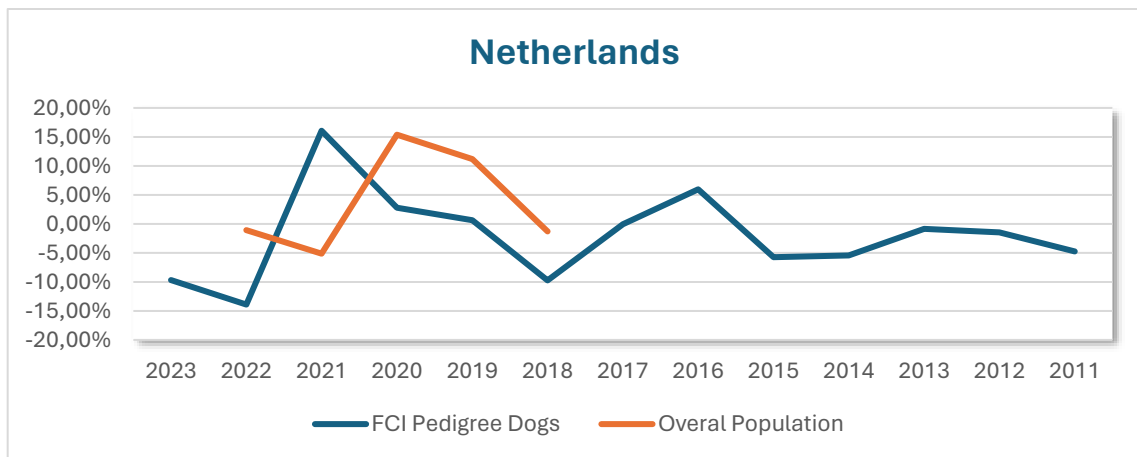
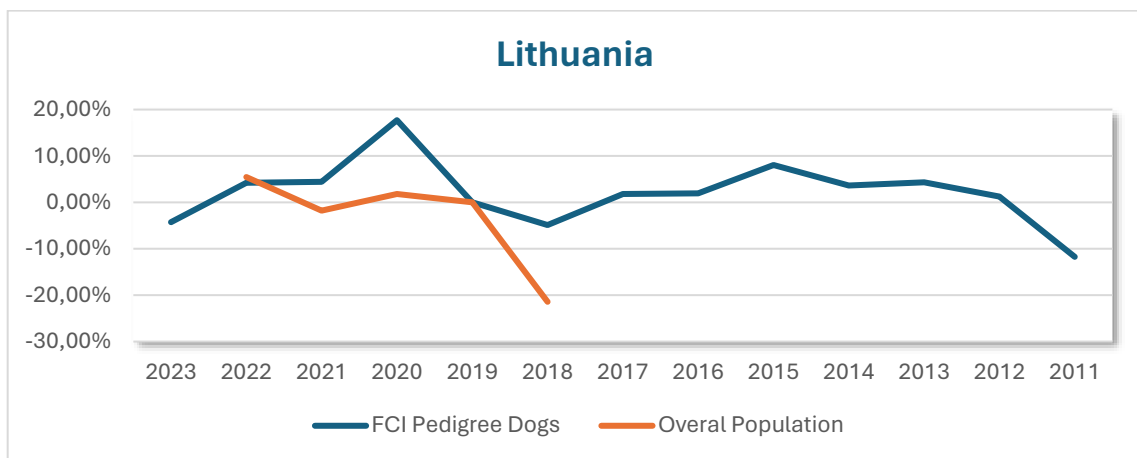
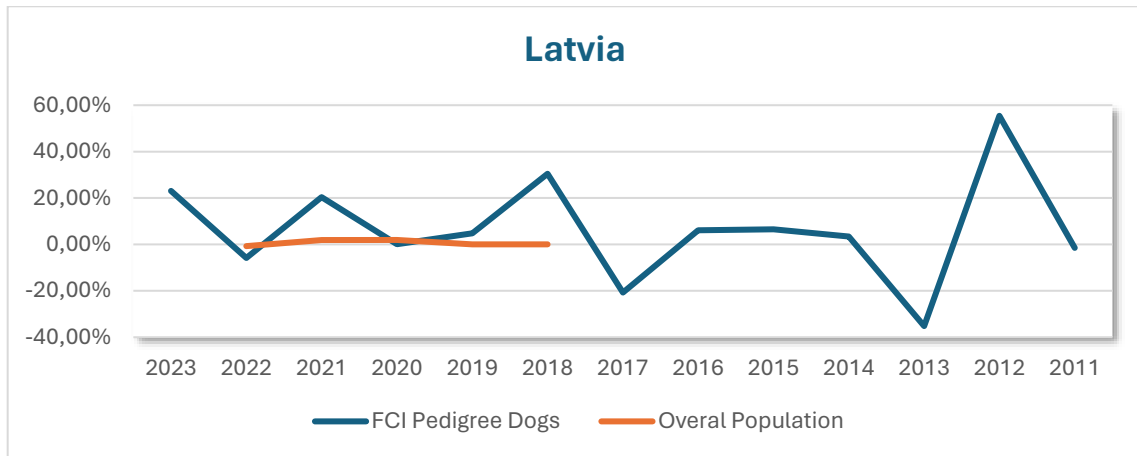
The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated



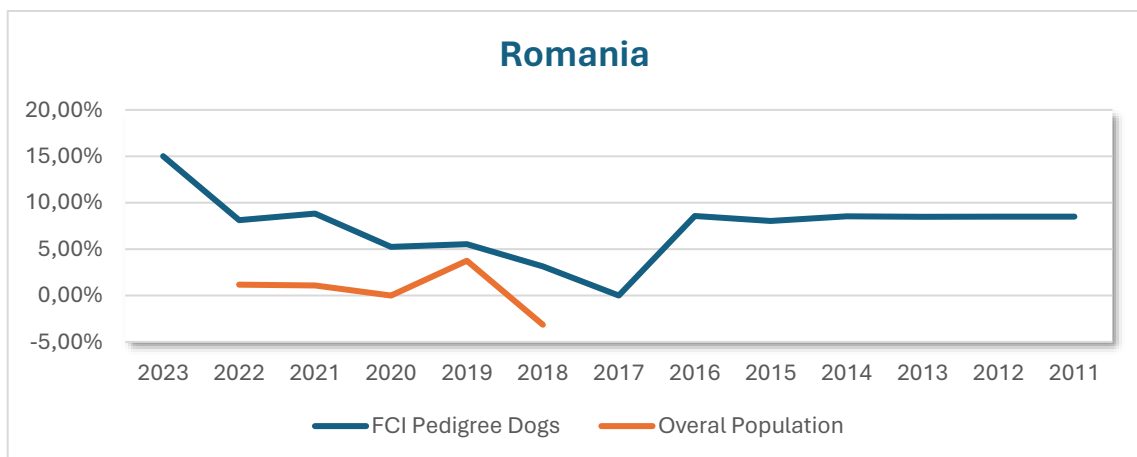
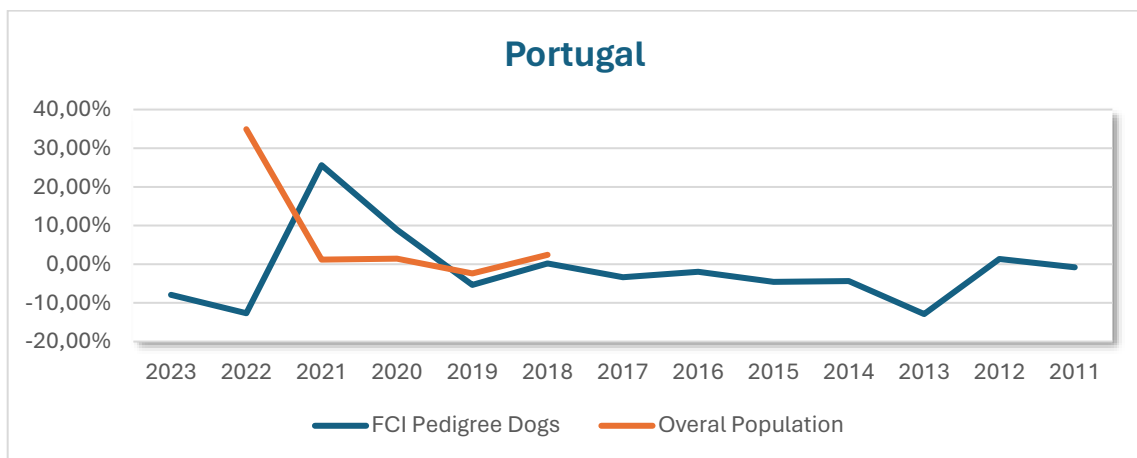
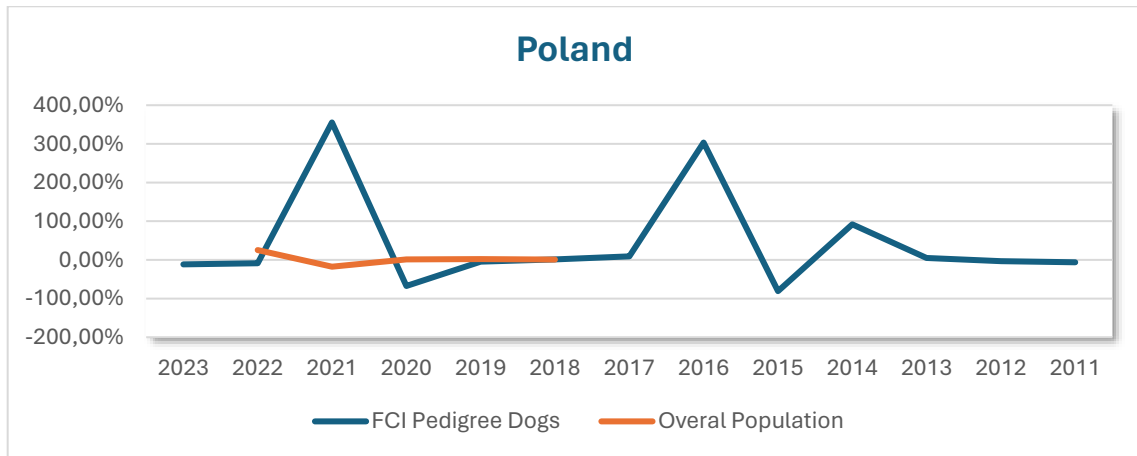
The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated



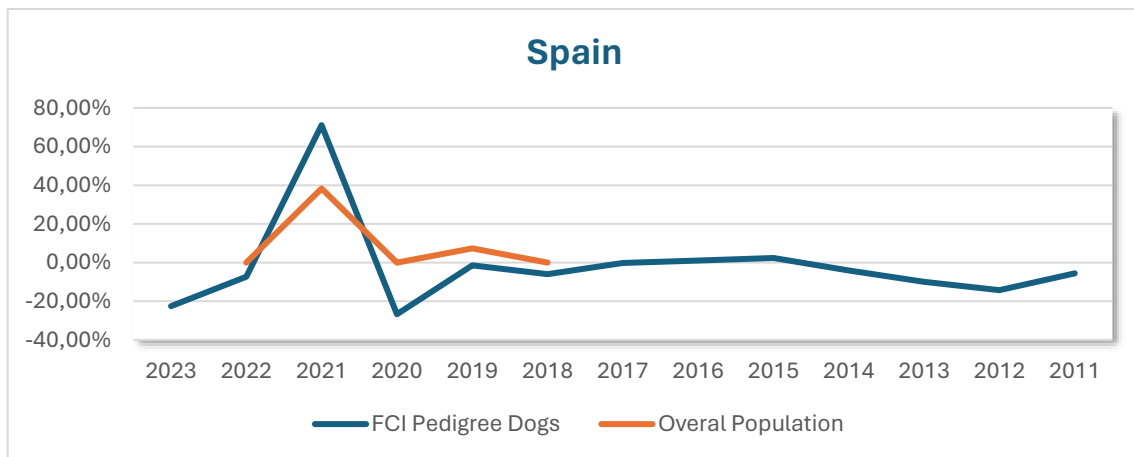
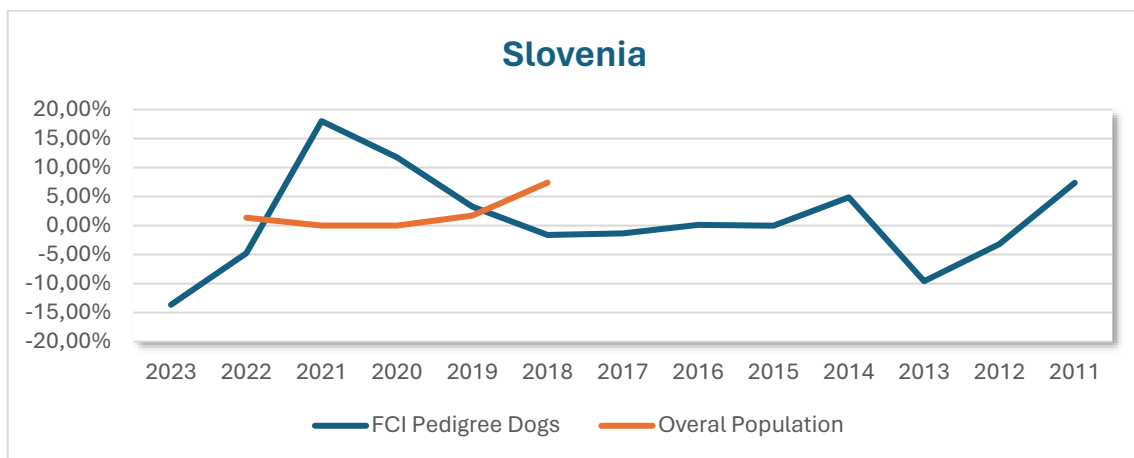
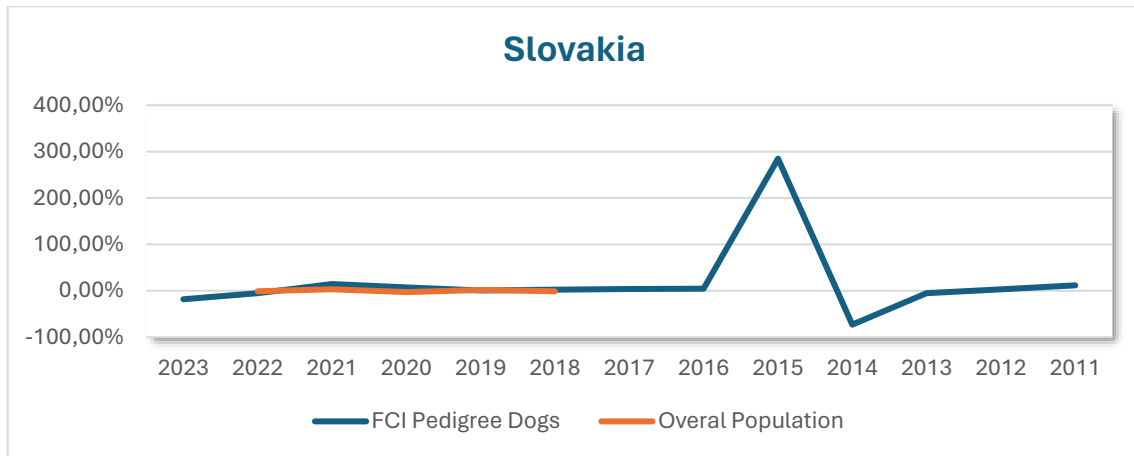
The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated



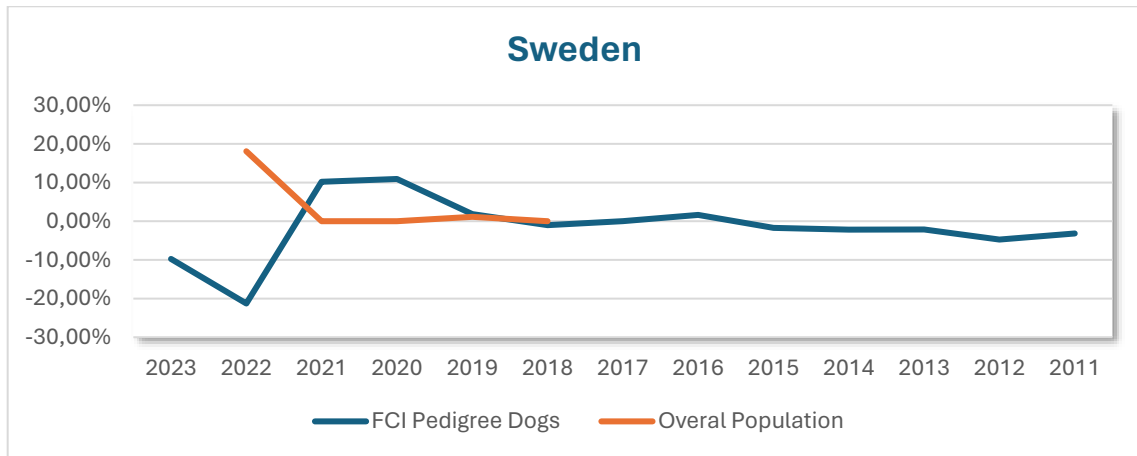
The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated



The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated



The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated



Number of Yearly Registered FCI Pedigree Dogs in the EU – 2010 – 2023.

Country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Austria	7 747	9 350	9 565	8 557	8 705	8 690	8 736	9 090	9 162	9 053	9 212	8 952	9 320	9 267
Belgium	17 399	19 727	24 462	23 978	23 496	22 998	23 515	17 968	15 194	17 189	19 183	16 123	16 301	19 421
Bulgaria	3 775	3 663	3 554	3 448	4 160	4 254	4 414	4 225	3 878	3 881	3 237	3 038	2 839	2 720
Croatia	10 876	11 387	14 083	12 040	10 552	10 157	10 705	10 619	10 852	10 503	10 876	10 957	11 972	12 531
Cyprus	962	1 000	1 038	1 078	1 120	1 163	1 202	1 151	1 174	1 355	678	696	714	733
Czech Republic	44 153	48 235	54 853	47 626	44 427	43 694	42 060	41 132	40 401	39 138	37 875	38 241	39 764	39 787
Denmark	19 203	22 481	28 292	23 742	21 589	20 687	20 555	22 311	20 441	20 293	20 118	20 566	20 294	22 980
Estonia	4 764	5 532	5 945	5 189	5 030	4 872	4 938	4 522	4 537	4 862	4 580	4 123	4 263	4 184
Finland	46 249	52 195	52 771	51 297	47 749	49 890	49 051	48 639	49 362	48 874	49 535	52 374	50 003	51 425
France	228 422	258 110	275 407	245 553	233 802	234 073	235 312	230 341	215 510	218 320	215 365	207 987	225 709	198 029
Germany	60 253	69 381	85 602	77 461	72 364	75 036	75 876	77 509	76 234	77 373	77 044	80 022	80 709	85 256
Greece	9 440	7 670	8 791	9 700	7 421	7 916	8 443	7 557	10 937	7 453	8 240	7 221	10 710	10 802
Hungary	22 929	26 738	27 590	23 660	21 126	20 008	16 156	15 704	14 489	14 045	19 888	21 536	22 884	23 502
Ireland	19 317	18 875	18 441	18 014	17 595	17 182	25 717	17 189	18 998	18 538	18 109	17 692	17 286	16 891
Italy	160 403	176 004	201 800	161 053	156 859	162 788	167 123	168 696	159 204	134 767	124 196	120 749	119 379	117 380
Latvia	4 718	3 833	4 070	3 381	3 377	3 223	2 471	3 119	2 940	2 760	2 669	4 119	2 650	2 691
Lithuania	8 291	8 660	8 308	7 956	6 759	6 759	7 107	6 981	6 847	6 337	6 115	5 862	5 789	6 559
Luxembourg	230	247	265	285	305	327	247	281	298	307	315	320	303	400
Malta	2 149	2 134	2 119	2 105	2 090	2 075	1 356	1 278	1 200	1 342	1 413	1 484	1 700	1 697
Netherlands	32 029	35 465	41 193	35 491	34 524	34 300	38 000	38 023	35 880	38 065	40 250	40 596	41 193	43 243
Poland	60 898	68 964	75 646	16 609	51 132	53 676	53 000	48 583	12 043	62 980	32 800	31 200	32 223	34 404
Portugal	15 006	16 297	18 659	14 854	13 635	14 408	14 378	14 879	15 173	15 900	16 627	19 086	18 833	18 983
Romania	20 433	17 766	16 432	15 098	14 347	13 595	13 182	13 182	12 141	11 238	10 354	9 544	8 796	8 107
Slovakia	12 363	15 126	15 947	13 905	12 957	12 878	12 570	12 116	11 578	3 009	11 106	11 718	11 352	10 158

The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated

Country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Slovenia	4 208	4 873	5 117	4 336	3 880	3 757	3 819	3 871	3 866	3 867	3 688	4 079	4 214	3 925
Spain	49 935	64 488	69 545	40 646	55 459	56 262	59 836	59 942	59 339	57 961	60 406	67 090	78 256	82 881
Sweden	44 680	49 507	62 894	57 076	51 454	50 531	51 059	51 049	50 234	51 111	52 253	53 395	56 062	57 900
GRAND TOTAL	910 832	1 017 707	1 132 389	924 139	925 914	935 198	950 828	929 957	861 912	880 521	856 132	858 770	893 518	885 856
TOTAL (excluding Cyprus, Luxemburg, and Malta)	907 491	1 014 326	1 128 966	920 670	922 399	931 634	948 023	927 247	859 240	877 517	853 726	856 270	890 801	883 026

(Data in black cells are estimated.)

Overall Dog Population in the EU
based on the FEDIAF Reports – 2017 - 2022

Country	2022	2021	2020	2019	2018	2017
Austria	837 000	837 000	827 000	641 000	827 000	640 000
Belgium	2 029 000	1 340 000	1 325 000	1 320 000	1 315 000	1 315 000
Bulgaria	752 000	750 000	741 000	740 000	740 000	740 000
Croatia	735 500	360 000	350 000	350 000	350 000	350 000
Cyprus	N/A	N/A	N/A	N/A	N/A	N/A
Czech Republic	2 208 000	2 205 000	2 200 000	2 000 000	2 000 000	2 150 000
Denmark	643 000	610 000	607 000	600 000	595 000	590 000
Estonia	243 500	235 000	235 000	230 000	210 000	200 000
Finland	797 000	760 000	755 000	810 000	810 000	800 000
France	7 600 000	7 500 000	7 500 000	7 600 000	6 950 000	7 400 000
Germany	10 600 000	10 300 000	10 700 000	10 100 000	9 400 000	9 200 000
Greece	655 000	660 000	660 000	660 000	660 000	660 000
Hungary	2 800 000	2 800 000	2 050 000	2 050 000	1 180 000	2 050 000
Ireland	520 000	457 000	455 000	455 000	450 000	450 000
Italy	8 755 000	8 700 000	8 300 000	7 011 000	7 002 000	6 970 000
Latvia	268 000	270 000	265 000	260 000	260 000	260 000
Lithuania	580 000	550 000	560 000	550 000	550 000	700 000
Luxembourg	N/A	N/A	N/A	N/A	N/A	N/A
Malta	N/A	N/A	N/A	N/A	N/A	N/A
Netherlands	1 830 000	1 850 000	1 950 000	1 690 000	1 520 000	1 540 000
Poland	8 109 000	6 466 732	7 850 000	7 750 000	7 600 000	7 550 000
Portugal	2 840 000	2 105 000	2 080 000	2 050 000	2 100 000	2 050 000
Romania	4 244 000	4 195 000	4 150 000	4 150 000	4 000 000	4 130 000
Slovakia	911 000	920 000	890 000	915 000	900 000	910 000
Slovenia	299 000	295 000	295 000	295 000	290 000	270 000
Spain	9 313 000	9 313 000	6 733 097	6 733 000	6 270 000	6 270 000
Sweden	1 051 000	890 000	890 000	890 000	880 000	880 000
TOTAL (excluding Cyprus, Luxemburg, and Malta)	68 620 000	64 368 732	62 368 097	59 850 000	56 859 000	58 075 000

(Data in black cells are estimated.)

Tendencies in Overall Dog Population and New FCI Pedigree Registration
in the EU and Its Member States – Charts

TOTAL (excluding Cyprus, Luxemburg, and Malta)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	907 491	1 014 326	1 128 966	920 670	922 399	931 634	948 023	927 247	859 240	877 517	853 726	856 270	890 801	883 026
Year-over-Year Change Rate	-10,53%	-10,15%	22,62%	-0,19%	-0,99%	-1,73%	2,24%	7,91%	-2,08%	2,79%	-0,30%	-3,88%	0,88%	N/A
Overall Population	N/A	68 620 000	64 368 732	62 368 097	59 850 000	56 859 000	58 075 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	6,60%	3,21%	4,21%	5,26%	-2,09%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Austria	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	7 747	9 350	9 565	8 557	8 705	8 690	8 736	9 090	9 162	9 053	9 212	8 952	9 320	9 267
Year-over-Year Change Rate	-17,14%	-2,25%	11,78%	-1,70%	0,17%	-0,53%	-3,89%	-0,79%	1,20%	-1,73%	2,90%	-3,95%	0,57%	N/A
Overall Population	N/A	837 000	837 000	827 000	641 000	827 000	640 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	0,00%	1,21%	29,02%	-22,49%	29,22%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated

Belgium	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	17 399	19 727	24 462	23 978	23 496	22 998	23 515	17 968	15 194	17 189	19 183	16 123	16 301	19 421
Year-over-Year Change Rate	-11,80%	-19,36%	2,02%	2,05%	2,17%	-2,20%	30,87%	18,26%	-11,60%	-10,40%	18,98%	-1,09%	-16,07%	N/A
Overall Population	N/A	2 029 000	1 340 000	1 325 000	1 320 000	1 315 000	1 315 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	51,42%	1,13%	0,38%	0,38%	0,00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Bulgaria	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	3 775	3 663	3 554	3 448	4 160	4 254	4 414	4 225	3 878	3 881	3 237	3 038	2 839	2 720
Year-over-Year Change Rate	3,05%	3,07%	3,07%	-17,12%	-2,21%	-3,62%	4,47%	8,95%	-0,08%	19,89%	6,55%	7,01%	4,38%	N/A
Overall Population	N/A	752 000	750 000	741 000	740 000	740 000	740 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	0,27%	1,21%	0,14%	0,00%	0,00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Croatia	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	10 876	11 387	14 083	12 040	10 552	10 157	10 705	10 619	10 852	10 503	10 876	10 957	11 972	12 531
Year-over-Year Change Rate	-4,49%	-19,14%	16,97%	14,10%	3,89%	-5,12%	0,81%	-2,15%	3,32%	-3,43%	-0,74%	-8,48%	-4,46%	N/A
Overall Population	N/A	735 500	360 000	350 000	350 000	350 000	350 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	104,31%	2,86%	0,00%	0,00%	0,00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated

Czech Republic	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	44 153	48 235	54 853	47 626	44 427	43 694	42 060	41 132	40 401	39 138	37 875	38 241	39 764	39 787
Year-over-Year Change Rate	-8,46%	-12,06%	15,17%	7,20%	1,68%	3,88%	2,26%	1,81%	3,23%	3,33%	-0,96%	-3,83%	-0,06%	N/A
Overall Population	N/A	2 208 000	2 205 000	2 200 000	2 000 000	2 000 000	2 150 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	0,14%	0,23%	10,00%	0,00%	-6,98%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Denmark	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	19 203	22 481	28 292	23 742	21 589	20 687	20 555	22 311	20 441	20 293	20 118	20 566	20 294	22 980
Year-over-Year Change Rate	-14,58%	-20,54%	19,16%	9,97%	4,36%	0,64%	-7,87%	9,15%	0,73%	0,87%	-2,18%	1,34%	-11,69%	N/A
Overall Population	N/A	643 000	610 000	607 000	600 000	595 000	590 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	5,41%	0,49%	1,17%	0,84%	0,85%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Estonia	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	4 764	5 532	5 945	5 189	5 030	4 872	4 938	4 522	4 537	4 862	4 580	4 123	4 263	4 184
Year-over-Year Change Rate	-13,88%	-6,95%	14,57%	3,16%	3,24%	-1,34%	9,20%	-0,33%	-6,68%	6,16%	11,08%	-3,28%	1,89%	N/A
Overall Population	N/A	243 500	235 000	235 000	230 000	210 000	200 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	3,62%	0,00%	2,17%	9,52%	5,00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated

Finland	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	46 249	52 195	52 771	51 297	47 749	49 890	49 051	48 639	49 362	48 874	49 535	52 374	50 003	51 425
Year-over-Year Change Rate	-11,39%	-1,09%	2,87%	7,43%	-4,29%	1,71%	0,85%	-1,46%	1,00%	-1,33%	-5,42%	4,74%	-2,77%	N/A
Overall Population	N/A	797 000	760 000	755 000	810 000	810 000	800 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	4,87%	0,66%	-6,79%	0,00%	1,25%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

France	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	228 422	258 110	275 407	245 553	233 802	234 073	235 312	230 341	215 510	218 320	215 365	207 987	225 709	198 029
Year-over-Year Change Rate	-11,50%	-6,28%	12,16%	5,03%	-0,12%	-0,53%	2,16%	6,88%	-1,29%	1,37%	3,55%	-7,85%	13,98%	N/A
Overall Population	N/A	7 600 000	7 500 000	7 500 000	7 600 000	6 950 000	7 400 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	1,33%	0,00%	-1,32%	9,35%	-6,08%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Germany	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	60 253	69 381	85 602	77 461	72 364	75 036	75 876	77 509	76 234	77 373	77 044	80 022	80 709	85 256
Year-over-Year Change Rate	-13,16%	-18,95%	10,51%	7,04%	-3,56%	-1,11%	-2,11%	1,67%	-1,47%	0,43%	-3,72%	-0,85%	-5,33%	N/A
Overall Population	N/A	10 600 000	10 300 000	10 700 000	10 100 000	9 400 000	9 200 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	2,91%	-3,74%	5,94%	7,45%	2,17%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated

Greece	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	9 440	7 670	8 791	9 700	7 421	7 916	8 443	7 557	10 937	7 453	8 240	7 221	10 710	10 802
Year-over-Year Change Rate	23,08%	-12,75%	-9,37%	30,71%	-6,25%	-6,24%	11,72%	-30,90%	46,75%	-9,55%	14,11%	-32,58%	-0,85%	N/A
Overall Population	N/A	655 000	660 000	660 000	660 000	660 000	660 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	-0,76%	0,00%	0,00%	0,00%	0,00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Hungary	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	22 929	26 738	27 590	23 660	21 126	20 008	16 156	15 704	14 489	14 045	19 888	21 536	22 884	23 502
Year-over-Year Change Rate	-14,25%	-3,09%	16,61%	11,99%	5,59%	23,84%	2,88%	8,39%	3,16%	-29,38%	-7,65%	-5,89%	-2,63%	N/A
Overall Population	N/A	2 800 000	2 800 000	2 050 000	2 050 000	1 180 000	2 050 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	0,00%	36,59%	0,00%	73,73%	-42,44%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Ireland	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	19 317	18 875	18 441	18 014	17 595	17 182	25 717	17 189	18 998	18 538	18 109	17 692	17 286	16 891
Year-over-Year Change Rate	2,34%	2,35%	2,37%	2,38%	2,40%	-33,19%	49,61%	-9,52%	2,48%	2,37%	2,36%	2,35%	2,34%	N/A
Overall Population	N/A	520 000	457 000	455 000	455 000	450 000	450 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	13,79%	0,44%	0,00%	1,11%	0,00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated

Italy	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	160 403	176 004	201 800	161 053	156 859	162 788	167 123	168 696	159 204	134 767	124 196	120 749	119 379	117 380
Year-over-Year Change Rate	-8,86%	-12,78%	25,30%	2,67%	-3,64%	-2,59%	-0,93%	5,96%	18,13%	8,51%	2,85%	1,15%	1,70%	N/A
Overall Population	N/A	8 755 000	8 700 000	8 300 000	7 011 000	7 002 000	6 970 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	0,63%	4,82%	18,39%	0,13%	0,46%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Latvia	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	4 718	3 833	4 070	3 381	3 377	3 223	2 471	3 119	2 940	2 760	2 669	4 119	2 650	2 691
Year-over-Year Change Rate	23,09%	-5,82%	20,38%	0,12%	4,78%	30,43%	-20,78%	6,11%	6,50%	3,41%	-35,20%	55,43%	-1,52%	N/A
Overall Population	N/A	268 000	270 000	265 000	260 000	260 000	260 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	-0,74%	1,89%	1,92%	0,00%	0,00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Lithuania	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	8 291	8 660	8 308	7 956	6 759	6 759	7 107	6 981	6 847	6 337	6 115	5 862	5 789	6 559
Year-over-Year Change Rate	-4,26%	4,24%	4,42%	17,71%	0,00%	-4,90%	1,80%	1,96%	8,05%	3,63%	4,32%	1,26%	-11,74%	N/A
Overall Population	N/A	580 000	550 000	560 000	550 000	550 000	700 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	5,45%	-1,79%	1,82%	0,00%	-21,43%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated

Netherlands	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	32 029	35 465	41 193	35 491	34 524	34 300	38 000	38 023	35 880	38 065	40 250	40 596	41 193	43 243
Year-over-Year Change Rate	-9,69%	-13,91%	16,07%	2,80%	0,65%	-9,74%	-0,06%	5,97%	-5,74%	-5,43%	-0,85%	-1,45%	-4,74%	N/A
Overall Population	N/A	1 830 000	1 850 000	1 950 000	1 690 000	1 520 000	1 540 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	-1,08%	-5,13%	15,38%	11,18%	-1,30%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Poland	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	60 898	68 964	75 646	16 609	51 132	53 676	53 000	48 583	12 043	62 980	32 800	31 200	32 223	34 404
Year-over-Year Change Rate	-11,70%	-8,83%	355,45%	-67,52%	-4,74%	1,28%	9,09%	303,41%	-80,88%	92,01%	5,13%	-3,17%	-6,34%	N/A
Overall Population	N/A	8 109 000	6 466 732	7 850 000	7 750 000	7 600 000	7 550 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	25,40%	-17,62%	1,29%	1,97%	0,66%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Portugal	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	15 006	16 297	18 659	14 854	13 635	14 408	14 378	14 879	15 173	15 900	16 627	19 086	18 833	18 983
Year-over-Year Change Rate	-7,92%	-12,66%	25,62%	8,94%	-5,37%	0,21%	-3,37%	-1,94%	-4,57%	-4,37%	-12,88%	1,34%	-0,79%	N/A
Overall Population	N/A	2 840 000	2 105 000	2 080 000	2 050 000	2 100 000	2 050 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	34,92%	1,20%	1,46%	-2,38%	2,44%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated

Romania	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	20 433	17 766	16 432	15 098	14 347	13 595	13 182	13 182	12 141	11 238	10 354	9 544	8 796	8 107
Year-over-Year Change Rate	15,02%	8,12%	8,83%	5,24%	5,53%	3,13%	0,00%	8,57%	8,04%	8,54%	8,49%	8,50%	8,50%	N/A
Overall Population	N/A	4 244 000	4 195 000	4 150 000	4 150 000	4 000 000	4 130 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	1,17%	1,08%	0,00%	3,75%	-3,15%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Slovakia	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	12 363	15 126	15 947	13 905	12 957	12 878	12 570	12 116	11 578	3 009	11 106	11 718	11 352	10 158
Year-over-Year Change Rate	-18,27%	-5,15%	14,69%	7,32%	0,61%	2,45%	3,75%	4,65%	284,78%	-72,91%	-5,22%	3,22%	11,75%	N/A
Overall Population	N/A	911 000	920 000	890 000	915 000	900 000	910 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	-0,98%	3,37%	-2,73%	1,67%	-1,10%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Slovenia	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	4 208	4 873	5 117	4 336	3 880	3 757	3 819	3 871	3 866	3 867	3 688	4 079	4 214	3 925
Year-over-Year Change Rate	-13,65%	-4,77%	18,01%	11,75%	3,27%	-1,62%	-1,34%	0,13%	-0,03%	4,85%	-9,59%	-3,20%	7,36%	N/A
Overall Population	N/A	299 000	295 000	295 000	295 000	290 000	270 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	1,36%	0,00%	0,00%	1,72%	7,41%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

The Distribution of FCI Pedigree Dogs in the European Union in 2022. – Updated

Spain	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	49 935	64 488	69 545	40 646	55 459	56 262	59 836	59 942	59 339	57 961	60 406	67 090	78 256	82 881
Year-over-Year Change Rate	-22,57%	-7,27%	71,10%	-26,71%	-1,43%	-5,97%	-0,18%	1,02%	2,38%	-4,05%	-9,96%	-14,27%	-5,58%	N/A
Overall Population	N/A	9 313 000	9 313 000	6 733 097	6 733 000	6 270 000	6 270 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	0,00%	38,32%	0,00%	7,38%	0,00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Sweden	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
FCI Pedigree Dogs	44 680	49 507	62 894	57 076	51 454	50 531	51 059	51 049	50 234	51 111	52 253	53 395	56 062	57 900
Year-over-Year Change Rate	-9,75%	-21,29%	10,19%	10,93%	1,83%	-1,03%	0,02%	1,62%	-1,72%	-2,19%	-2,14%	-4,76%	-3,17%	N/A
Overall Population	N/A	1 051 000	890 000	890 000	890 000	880 000	880 000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Year-over-Year Change Rate	N/A	18,09%	0,00%	0,00%	1,14%	0,00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Methodology

In preparing this updated report, a structured methodology was employed to estimate missing data and recalculate FCI pedigree dog distributions across the European Union (EU). This methodology is consistent with the approach used in previous reports, incorporating both newly available data and established assumptions.

Interpretation

The recalculated distribution of FCI pedigree dogs across EU countries in 2022 reveals that the overall percentage of pedigree dogs within the total dog population is 13.67%, with notable deviations across countries. The aim of this report is not only to provide figures but also to offer a clear understanding of the trends and tendencies observed in pedigree dog populations across the EU. The analysis highlights the diverse cultural attitudes and ownership patterns across member states, with some countries showing significantly higher or lower proportions of FCI pedigree dogs.

The estimation takes into account:

- **Yearly registration data:** The number of new FCI pedigree dogs registered each year, summed over a period that accounts for the average lifespan of dogs.
- **Total dog population estimates:** Broad approximations of the dog population, including both pedigree and non-pedigree dogs, derived from available data.

General Limitations and Assumptions

Several factors limit the precision of the estimates and should be considered when interpreting the results:

- **Lack of national-level records:** Comprehensive, country-specific data on dog populations and registrations is not uniformly available.
- **Missing data on FCI pedigree dogs:** The calculation assumes that the available registration data accurately reflects new registrations of pedigree dogs, which may not account for all FCI pedigree dogs due to missing or incomplete data.
- **New Data Integration:** The update includes data recently made available for 2023, allowing for more precise recalculations; however, overall population data for 2023 is unavailable.

Assessment of the Total Dog Population in the EU

Challenges in Estimating the Dog Population

Accurate quantification of the total dog population in the European Union remains a challenge. Despite various compulsory dog identification systems across EU member states, comprehensive and accessible national-level data are not readily available. This lack of uniform transparency and availability of data presents significant obstacles when estimating the overall canine population across the EU.

Primary Data Source: FEDIAF

The primary source of data for this analysis continues to be the European Pet Food Industry Federation (FEDIAF). Their industry report¹ is widely accepted and primarily focuses on pet dogs living within households. It is important to note that FEDIAF's estimates likely do not account for stray dog populations, which could lead to an underestimation of the overall figures, particularly in regions with significant stray populations.

Data Sources and Methodological Changes

An important update in the 2022 report is the inclusion of Croatia in the FEDIAF dataset, marking the first time the country's dog population has been represented in this report. Prior to this, figures for Croatia were estimated using data² from the Croatian Kennel Club.

Limitations in Data and Coverage

The continued reliance on industry estimates and the exclusion of strays, along with the lack of precise figures from several countries such as Cyprus, Luxembourg, and Malta, highlight the ongoing limitations of the available data. However, these figures remain the most consistent source for assessing the total dog population across the EU, allowing for year-on-year comparisons and general trend analysis.

¹ <https://europeanpetfood.com/comingsoon.site/about/statistics/>

² <https://fci.be/en/statistics/>

Estimation of the Total FCI Pedigree Dog Population

Overview

The methodology for estimating the total FCI pedigree dog population hinges on available data from National Canine Organisations (NCOs), assumptions about canine life expectancy, and statistical approaches for filling in data gaps. The objective was to present a realistic estimate of the population while considering inherent limitations.

Assumptions

- **Average Life Expectancy:** A key assumption was an average canine life expectancy of 10 years. This assumption underpins the approach to estimating the population size using cumulative registration data over the last decade.
- **Consistency of Registration Growth Rates:** We assumed a relatively stable year-over-year growth rate in pedigree dog registrations across most countries, allowing us to extrapolate missing data from previous years based on trends observed over multiple years.

Methodology

- **Data Sources:** The primary source of data was annual registration numbers for newly registered FCI pedigree dogs in the EU from 2010 to 2023, reported by NCOs³. For countries without recent data, interpolation and extrapolation methods were employed.
- **Data for Germany:** The FCI statistics exclude the registration data of Germany. Figures for this report originate from the website of Verband für das Deutsche Hundewesen (VDH)⁴.
- **Life Expectancy-Based Cumulative Calculation:** The cumulative approach involved summing yearly registrations over the last ten years while assuming that the annual death rate balanced the yearly registrations. This approach offered an estimated steady-state population based on the assumption that the annual inflow and outflow of dogs were approximately equal.
- **Estimation for Missing Data:**
 - **Linear Interpolation:** For countries with intermittent gaps in their registration data, linear interpolation was applied between known data points.
 - **Growth Rate Application:** For countries with extensive data gaps, the average annual growth rate across similar regions was applied to estimate the missing values.

Rationale

The rationale behind this methodology includes:

- **Data availability:** Direct counts of the total FCI pedigree dog population are not fully available for all EU countries. Thus, utilising registration data presents a viable method to approximate the population size.

³ <https://fci.be/en/statistics/>

⁴ <https://www.vdh.de/ueber-den-vdh/welpenstatistik/>

- ***Simplicity and feasibility:*** The method provides a straightforward and feasible approach to estimating the population size without the need for complex demographic modelling, which may not be possible due to data constraints.
- ***Reasonable assumptions:*** The assumption of a 10-year life expectancy for dogs is based on veterinary science and demographic studies of canine populations, offering a realistic basis for estimation.

Considerations and Limitations

- **Variability in Life Expectancy:** While the assumed 10-year life expectancy is reasonable, variations among breeds can influence this estimate. This limitation affects the accuracy of the final population figure.
- **Lack of Comprehensive National Data:** For some countries, registration data were sparse or unavailable.

Conclusion

Despite its limitations, the methodology provides a structured approach to estimating the FCI pedigree dog population across the EU. The results offer a valuable reference point for stakeholders involved in canine welfare, veterinary sciences, and policy-making.

Acknowledgement of AI Utilization in Analysis

This report incorporates advanced analytical methodologies, including using Artificial Intelligence (AI) tools to model missing data, collect background information, and support the estimation processes described herein.

Specifically, the following AI platforms were engaged:

Data Analyst (OpenAI's ChatGPT): Utilised to model missing data.

Perplexity AI: Engaged to gather background information and insights relevant to the report.

Ethical Considerations and Transparency

The employment of AI technologies in this analysis underscores our commitment to leveraging cutting-edge tools to enhance our understanding and provide accurate estimations within the constraints of available data. However, it's important to acknowledge that:

- The outputs of AI tools are dependent on the data and algorithms that power them, which may introduce biases or limitations reflective of those inherent in the source material.
- AI-generated insights and data modelling supplement traditional research and analysis methods, filling gaps in available data and offering informed estimations where empirical data is lacking.