The Meddin Bike-sharing World Map Report 2024 Edition



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1. Introduction

This is the third edition of The Meddin Bike-sharing World Map report. Following the reports published in 2021 and 2022, this edition brings the state-of-the-art of bike-sharing systems worldwide in 2024.

While the first and second editions focused mostly on systems, the 2024 Report also brings a bike-focused approach. This is possible due to the significant improvement to our database that now has more accurate and updated data about the number of bikes available in each system, now including e-bikes and cargo bikes.

The Meddin Bike-sharing World Map is named after Russell Meddin, an enthusiastic bike-sharing pioneer from Philadelphia (USA). Russell took on curation of the Map for 11 years until his passing in April 2020. Then, a team of contributors including, Paul DeMaio, who created the Map in 2007, plus Oliver O'Brien, Renata Rabello, and Thiago Benicchio kept Russell's work going, scouring the Internet to find information about new systems, closures, and trends.

2. The Bike-sharing World of 2024

As of December 31, 2024, the world had 9,278,605 bikes in 2,145 systems, spread over 1,700 cities in 92 countries.

a) Growth and regional share

Year after year since 1995, bike-sharing systems have spread throughout the world. The only year with a negative balance between openings and closures was 2020 due to the COVID-19 pandemic. One year later, there was already a positive balance between openings and closures and the trend continued in the following years.

In 2024, there were 159 new systems and 105 closures, raising the number of active systems to 2,145.

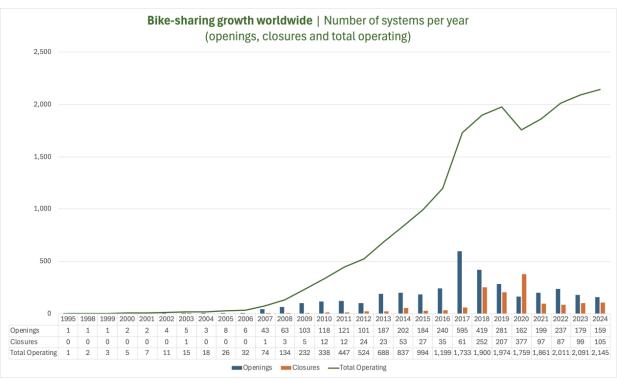


Figure 1: Number of systems per year: openings, closures and total operating worldwide

Europe was the pioneer continent for bike-sharing. Since the White Bikes Plan (Witte Fietsenplan) experiment in Amsterdam, the Netherlands in the 1960s, and the evolution of the concept with the 2nd generation Bycyklen in Copenhagen, Denmark, in 1995, nearly every country except Vatican City has or had at least one city with a bike-sharing system.

Europe is still leading the ranking of regions with the number of bike-sharing systems operating in 2024 with 44%, followed by Asia at 38.3%, North America at 12.7%, South America at 3.5%, Oceania at 0.9%, and Africa at 0.5% (*Figure 2*).

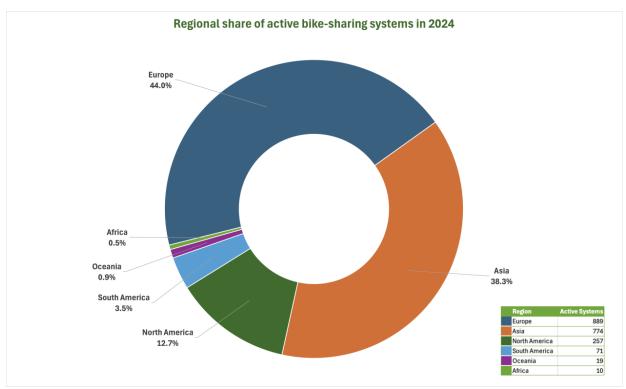


Figure 2: Regional share of bike-sharing systems per region

Asia had its first system launched in 1999 (Singapore's Smartbike) and China joined the movement in 2007 with Zhengzhou's Public Bike. Since then, the expansion of bike-sharing systems has been exponential. While Europe leads with the number of systems worldwide, Asia leads with the number of bikes per system.

As Figure 3 below shows, 93.33% of the world's bike-sharing bikes are in Asia. This equates to about 8,659,516 bikes.

The other continents are a mere fraction of this with Europe at 4.58% of bikes, North America at 1.68%, South America at 0.31%, Oceania at 0.09%, and Africa with 0.01%. *Figure 4* shows the distribution of systems worldwide.

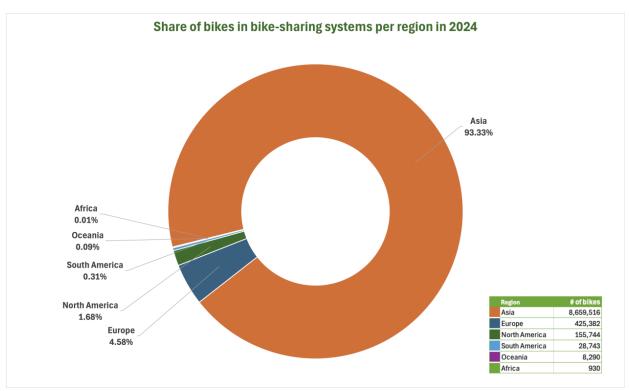


Figure 3: Share of bikes in bike-sharing systems per region

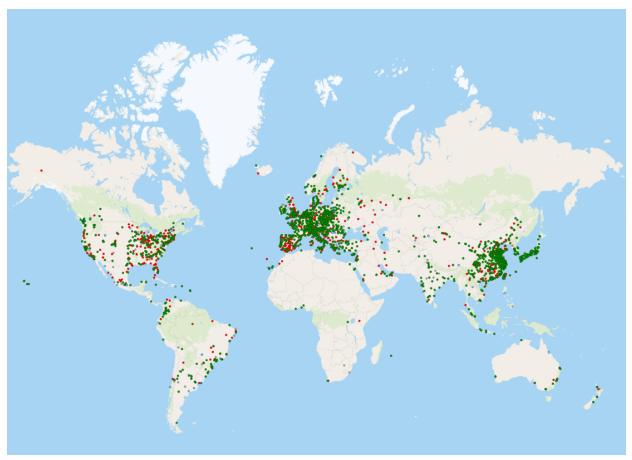


Figure 4: World map of bike-sharing systems (active systems are marked as green dots, while closed systems are noted as red dots)

b) Country rankings

Since the first edition of The Meddin Bike-sharing World Map Report in 2021, we have published a country ranking. In the first two editions (2021 and 2022), the ranking listed countries by the number of active systems.

A single ranking doesn't tell the whole story, as countries differ on size, population, urbanization, and other development variables. In this edition, thanks to the improvements in our database, we're showing three different rankings using the number of bikes, systems, and population.

In this section you'll find the short versions of the ranking (top 20 countries). The full ranking is shown in the Appendix.

Each ranking tells one story. In the ranking by number of bikes (*Figure 5*), the largest fleets are displayed. Large fleets are both a challenge and a gift, as it represents a significant operational effort, but also more access opportunities for users.

	Country rank - Number of bikes							
Rank	Country	# of bikes	# of systems					
1	China	8,374,754	527					
2	United States	115,056	209					
3	Taiwan	83,492	15					
4	France	79,281	78					
5	Japan	65,603	101					
6	Germany	64,737	102					
7	United Kingdom	63,331	48					
8	South Korea	48,441	21					
9	Singapore	45,000	2					
10	Spain	37,355	54					
11	Italy	35,311	119					
12	Canada	25,687	33					
13	Poland	25,664	75					
14	India	23,000	41					
15	Belgium	22,059	21					
16	Brazil	13,882	31					
17	Mexico	13,862	11					
18	Switzerland	11,403	40					
19	Denmark	8,776	18					
20	Finland	8,406	14					

Figure 5: Country ranking by number of bikes

The second ranking, by the number of systems (*Figure 6*), lists the countries with more active systems in terms of the number of systems.

Country rank - Number of systems							
Rank	Country	# of bikes	# of systems				
1	China	8,374,754	527				
2	United States	115,056	209				
3	Italy	35,311	119				
4	Germany	64,737	102				
5	Japan	65,603	101				
6	France	79,281	78				
7	Poland	25,664	75				
8	Spain	37,355	54				
9	United Kingdom	63,331	48				
10	Czech Republic	7,665	45				
11	India	23,000	41				
12	Switzerland	11,403	40				
13	Canada	25,687	33				
14	Brazil	13,882	31				
15	Netherlands	6,225	25				
16	Norway	5,975	24				
16	Romania	4,092	24				
18	South Korea	48,441	21				
18	Belgium	22,059	21				
18	Austria	5,854	21				

Figure 6: Country ranking by number of systems

The final ranking we present (*Figure 7*) employs an effectiveness approach to estimate the availability of bikes to a specific resident population. It indicates the number of people that correspond to each bicycle. A lower ratio signifies better availability, with more bicycles per person, while a higher ratio suggests lower availability, with fewer bicycles per person, which may indicate limited coverage, an undersized fleet, or unbalanced demand.

As mentioned earlier, a single ranking doesn't provide a comprehensive view. Countries vary in size, economy, population distribution, and other factors. Consequently, countries with better availability might have cities with very effective programs, while countries with lower rankings might have cities with exceptional bike-sharing systems.

Therefore, the ranking is presented in ascending order, from the lowest to the highest ratio, so that systems with greater accessibility and higher bicycle availability appear first, followed by those with more limited supply.

	Country rank - People per bike								
Rank	Country	# of bikes	# of systems	Population*	People per bike				
1	Monaco	443	1	36,811	83				
2	Singapore	45,000	2	5,926,220	132				
3	China	8,374,754	527	1,425,861,543	170				
4	Taiwan	83,492	15	23,842,033	286				
5	Luxembourg	1,583	2	634,720	401				
6	Belgium	22,059	21	11,582,160	525				
7	Liechtenstein	70	1	39,000	557				
8	Finland	8,406	14	5,533,721	658				
9	Denmark	8,776	18	5,840,504	666				
10	Switzerland	11,403	40	8,670,795	760				
11	France	79,281	78	64,502,346	814				
12	Norway	5,975	24	5,391,723	902				
13	Slovenia	2,189	16	2,119,030	968				
14	Cyprus	1,273	7	1,241,296	975				
15	United Kingdom	63,331	48	67,167,774	1,061				
16	South Korea	48,441	21	51,831,253	1,070				
17	Ireland	4,304	16	4,967,164	1,154				
18	Spain	37,355	54	47,397,660	1,269				
19	Germany	64,737	102	83,390,320	1,288				
20	Andorra	60	1	78,380	1,306				

^{*} Source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects 2024. https://population.un.org/wpp/

Figure 7: Country ranking of people per bike

c) Systems per type, e-bikes and pedal bikes

Bike-sharing's modern popularity was built on the foundation of dock-based technology, which provided structure and reliability for cities and users. This model is still dominating in the landscape and represents 57% of the bike-sharing systems worldwide.

However, the advent of GPS and smart lock technology embedded into the bikes has catalyzed a significant change, giving rise to free-floating and hybrid docked/free-floating systems.

These new models offer flexibility, allowing users to pick up and drop off bikes within a wide geographic area, expanding the service coverage beyond fixed stations. Another benefit is reducing operational and infrastructure costs for operators and reducing the footprint of systems by eliminating the need to install and maintain docking stations. Later, cities started to organize their urban space by designating specific areas for the free-floating bike-parking (called hubs or bays).

In 2024, systems without physical stations represented 37% of the total (Figure 8).

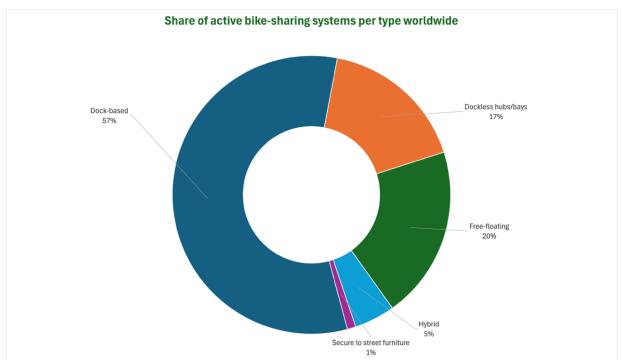


Figure 8: Share of active bike-sharing systems per type worldwide

A parallel and transformative trend has been the rapid electrification of fleets. The arrival of ebikes has made bike-sharing a viable option in hilly cities and for longer-distance trips, attracting a wider demographic of users.

Along with e-bikes, but on a smaller scale, the introduction of cargo bikes has begun to address unmet needs, offering a sustainable alternative for movement of larger goods and families. *Figure 9* shows the number of pedal bikes, cargo bikes, and e-bikes per type of system.

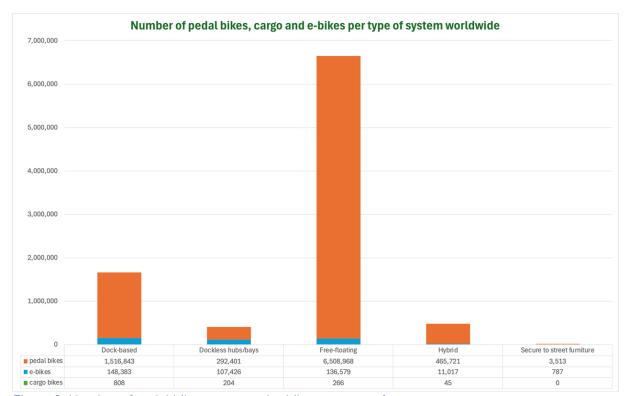


Figure 9: Number of pedal bikes, cargo and e-bikes per type of system

As Figure 10 illustrates, the distribution of e-bikes is not uniform worldwide. Europe and North America have embraced electrification most aggressively, with e-bikes constituting a significant portion of their fleets. Africa and Oceania have an even bigger share of e-bikes, but their fleets are much smaller. In contrast, Asia's vast fleets remain predominantly comprised of traditional pedal bikes.



Figure 10: Share of e-bikes and pedal bikes per region

Figure 11 further clarifies this regional split, showing that while some regions offer a mix, others specialize in one type of bike.

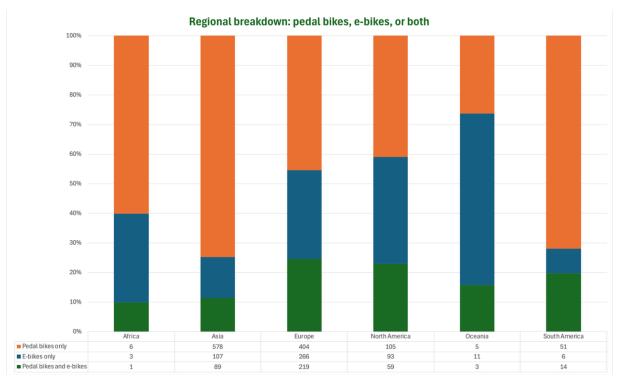


Figure 11: Regional breakdown: pedal bikes, e-bikes, or both

3. What happened in 2024?

The year 2024 continued the growth trajectory for bike-sharing. As *Figure 12* shows, launch activity was consistent throughout the year, with Europe leading this expansion, accounting for the majority of new systems. North America and Asia also showed significant activity, while South America and Oceania had modest growth. It is important to note that Africa recorded no new system launches in 2024.

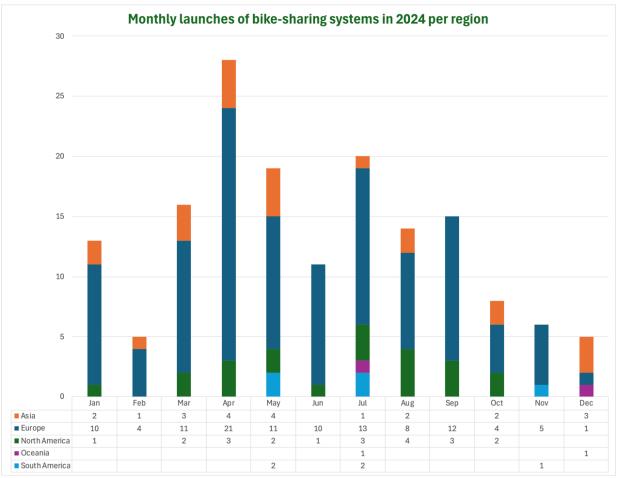


Figure 12: Monthly launches of bike-sharing systems per region

The types of systems launched (*Figure 13*) reveal that dockless systems, including both free-floating and hubs/bays models, were the preferred technology for new deployments, particularly in Europe and Asia, but not by a far distance from reliable station-based systems.

There were 73 new dock-based systems in 2024 versus 80 "stationless" ones.

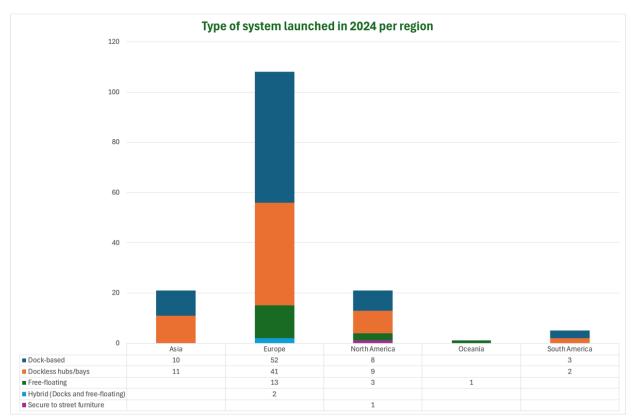


Figure 13: Type of system launched per region

The bikes being added to global fleets are increasingly electrified. *Figure 14* demonstrates that a substantial share of new bikes in Europe and North America were e-bikes, underscoring the ongoing shift towards pedal-assisted cycling.

While cargo bikes still represent a niche segment, their presence in new fleets, especially in Europe, points to a growing diversification of bike-sharing services.

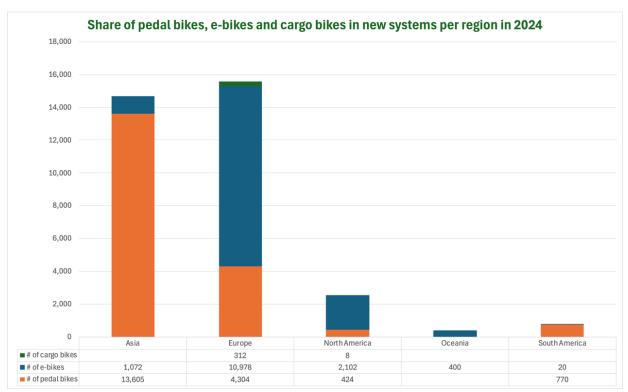


Figure 14: Share of pedal bikes, e-bikes and cargo bikes in new systems per region

4. Acknowledgments and Limitations

We continue our effort to provide the most accurate snapshot of the global bike-sharing landscape through our on-going exhaustive research and. In our ongoing research, we discovered historical data that led us to adjust numbers for previous years since the last Report edition, as we identified more systems or corrected their launch dates.

Despite these improvements, gaps remain. Our analysis of systems per type (*Figure 8*) is impacted by 78 active systems that lack a designated "type" in our database. Furthermore, our growth charts (*Figure 1*) include 47 active systems without a recorded start date and 186 permanently closed systems without a closure date, as they could not be accurately placed on the timeline. We welcome all input from the global community to help us fill these gaps.

5. About Lyft Urban Solutions

This report and the ongoing maintenance of The Meddin Bikesharing World Map have been made possible through the generous support of Lyft Urban Solutions. As a leading provider of micromobility solutions, Lyft has inspired 600 million rides and counting, while embracing the collective power of shared mobility for active people, smart cities, and a healthy planet.



Formerly known as Public Bike System Company (PBSC), its journey started in 2008, in Montreal, Canada. Their dedication to expanding access to affordable and sustainable transportation aligns perfectly with the mission of The Meddin Bike-sharing World Map to track and promote the growth of bike-sharing worldwide.

6. Our team

The Meddin Bike-sharing World Map is maintained by a dedicated, global team of volunteers and professionals, united by a passion for sustainable urban mobility.

- Oliver O'Brien (focus: Website and Europe) continues to manage the technical infrastructure and data integration from his base at University College London.
- Paul DeMaio (focus: Map admin and U.S. & Mexico), founder of the original map, provides overall administration and expert knowledge on North American systems.
- Renata Rabello (focus: South America) leverages her expertise in urban planning to curate and verify data for Brazilian and Latin American cities.
- Steve Chou (focus: Canada) brings his experience from the City of Vancouver, where he has worked for a decade on sustainable transportation and was part of the team that launched the city's bike-share system in 2016.
- Thiago Benicchio (focus: Global curator) coordinates the team's efforts and conducts broad research to ensure global coverage, drawing on his background in journalism and mobility advocacy.

Together, this team honors the legacy of Russell Meddin by ensuring the Map remains a free, accurate, and invaluable resource for planners, researchers, and enthusiasts everywhere.

7. Appendix: Country Rankings

The following appendix provides the full, detailed country rankings that complement the top 20 lists in the main report. The first table ranks all 92 countries by the total number of bikes in their bike-sharing fleets, highlighting the sheer scale of operations in leading nations like China.

The second table ranks countries by the number of active systems, illustrating where bike-sharing is most widespread as a service offering. Finally, the third table offers a perspective on service density by ranking countries based on the number of residents per shared bike, a metric that indicates potential accessibility and integration into daily life.

These tables collectively tell a multifaceted story of global bike-sharing, from massive fleets to widespread system adoption and relative availability to the population.

Country Rank - Number of bikes							
Rank Country	# of bikes	# of systems	Rank Country	# of bikes	# of systems		
1 China	8,374,754	527	47 Azerbaijan	1,100			
2 United States	115,056	209	48 Kazakhstan	1,005	3		
3 Taiwan	83,492	15	49 Costa Rica	1,000			
4 France	79,281	78	50 Indonesia	985	5		
5 Japan	65,603	101	51 Lithuania	871			
6 Germany	64,737	102	52 New Zealand	850			
7 United Kingdom	63,331	48	53 Estonia	712			
8 South Korea	48,441	21	54 Egypt	600	3		
9 Singapore	45,000	2	55 Greece	544			
10 Spain	37,355	54	56 Peru	500			
11 Italy	35,311	119	57 Kyrgyzstan	490			
12 Canada	25,687	33	58 Malaysia	464			
13 Poland	25,664	75	59 Monaco	443			
14 India	23,000	41	60 Bosnia and Herzegovina	381			
15 Belgium	22,059	21	61 Pakistan	323	1		
16 Brazil	13,882	31	62 Latvia	317			
17 Mexico	13,862	11	63 Mongolia	250			
18 Switzerland	11,403	40	64 Ecuador	240			
19 Denmark	8,776	18	65 Jordan	200			
20 Finland	8,406	14	66 Bangladesh	150			
21 Russia	7,810	12	67 Nigeria	150			
22 Czech Republic	7,665	45	68 Ukraine	147			
23 Australia	7,240	14	69 Serbia	146			
24 Netherlands	6,225	25	70 Bulgaria	137			
25 Norway	5,975	24	71 Uruguay	120			
26 Austria	5,854	21	72 Tajikistan	100			
27 Argentina	5,532	13	73 Kosovo	88			
28 Colombia	5,413	20	74 Rwanda	80			
29 Belarus	4,489	9	75 Qatar	75			
30 Ireland	4,304	16	76 Georgia	70			
31 Romania	4,092	24	76 Liechtenstein	70			
32 Sweden	3,966	14	78 Saudi Arabia	68			
33 Thailand	3,800	4	79 Aruba	61			
34 Turkey	3,319	19	80 Andorra	60			
35 Portugal	3,114	17	81 Guadeloupe	54			
36 Chile	2,956	2	82 Malta	50			
37 Slovakia	2,756	14	82 Paraguay	50			
38 Hungary	2,723	7	82 Venezuela	50			
39 Slovenia	2,189		85 Portugal and Spain	46			
40 Israel	1,932		86 South Africa	30			
41 Viet Nam	1,838		87 Morocco	25			
42 Luxembourg	1,583		88 Cayman Islands	24			
43 Croatia	1,494		89 Algeria	10			
44 United Arab Emirates	1,437		89 Iceland	10			
45 Iran	1,370		89 Lebanon	10			
46 Cyprus	1,273		92 Bahrain	Unknown			

k Country	# of bikes #		umber of systems Rank Country	# of bikes	# of syste
1 China	8,374,754	527	45 Malaysia	464	" or syste
2 United States	115,056	209	45 Ukraine	147	
3 Italy	35,311	119	45 Saudi Arabia	68	
4 Germany	64,737	102	50 Kazakhstan	1,005	
5 Japan	65,603	101	50 New Zealand	850	
6 France	79,281	78	50 Egypt	600	
7 Poland	25,664	75	50 Bangladesh	150	
8 Spain	37,355	54	54 Singapore	45,000	
9 United Kingdom	63,331	48	54 Chile	2,956	
10 Czech Republic	7,665	45	54 Israel	1,932	
11 India	23,000	41	54 Luxembourg	1,583	
12 Switzerland	11,403	40	54 Iran	1,370	
13 Canada	25,687	33	54 Latvia	317	
14 Brazil	13,882	31	54 Nigeria	150	
15 Netherlands	6,225	25	54 Serbia	146	
16 Norway	5,975	24	54 Bulgaria	137	
17 Romania	4,092	24	54 Qatar	75	
18 South Korea	48,441	21	64 Azerbaijan	1,100	
18 Belgium	22,059	21	64 Costa Rica	1,000	
18 Austria	5,854	21	64 Peru	500	
21 Colombia	5,413	20	64 Kyrgyzstan	490	
21 Croatia	1,494	20	64 Monaco	443	
23 Turkey	3,319	19	64 Pakistan	323	
24 Denmark	8,776	18	64 Mongolia	250	
25 Portugal	3,114	17	64 Ecuador	240	
26 Ireland	4,304	16	64 Jordan	200	
26 Slovenia	2,189	16	64 Uruguay	120	
26 Greece	544	16	64 Tajikistan	100	
29 Taiwan	83,492	15	64 Kosovo	88	
30 Finland	8,406	14	64 Rwanda	80	
30 Australia	7,240	14	64 Georgia	70	
30 Sweden	3,966	14	64 Liechtenstein	70	
30 Slovakia	2,756	14	64 Aruba	61	
34 Argentina	5,532	13	64 Andorra	60	
35 Russia	7,810	12	64 Guadeloupe	54	
36 Mexico	13,862	11	64 Malta	50	
37 Belarus	4,489	9	64 Paraguay	50	
38 Hungary	2,723	7	64 Venezuela	50	
38 United Arab Emirates	1,437	7	64 Portugal and Spain	46	
38 Cyprus	1,273	7	64 South Africa	30	
41 Bosnia and Herzegovina	381	6	64 Morocco	25	
42 Viet Nam	1,838	5	64 Cayman Islands	24	
42 Indonesia	985	5	64 Algeria	10	
42 Lithuania	871	5	64 Iceland	10	
45 Thailand	3,800	4	64 Lebanon	10	
45 Estonia	712	4	64 Bahrain	Unknown	

	Country Rank - People per bike ratio								
Rank Country	# of bikes	# of systems		People per bike	Rank Country	# of bikes	# of systems	Population	People per bike
1 Monaco	443	1	36,811	83.09	47 Guadeloupe	54	1	396,000	7,333.
2 Singapore	45,000	2	5,926,220	131.69	48 Argentina	5,532	13	45,163,623	8,164.
3 China	8,374,754	527	1,425,861,543	170.26	49 Bosnia and Herzegovina	381	6	3,295,841	8,650.
4 Taiwan	83,492	15	23,842,033	285.56	50 Mexico	13,862	11	126,386,142	9,117.
5 Luxembourg	1,583	2	634,720	400.96	51 Azerbaijan	1,100	1	10,296,374	9,360.
6 Belgium	22,059	21	11,582,160	525.05	52 Colombia	5,413	20	51,244,297	9,466.
7 Liechtenstein	70	1	39,000	557.14	53 Malta	50	1	521,121	10,422.
8 Finland	8,406	14	5,533,721	658.31	54 Kyrgyzstan	490	1	6,477,418	13,219.
9 Denmark	8,776	18	5,840,504	665.51	55 Mongolia	250	1	3,322,207	13,288
10 Switzerland	11,403	40	8,670,795	760.40	56 Brazil	13,882	31	213,827,672	15,403
11 France	79,281	78	64,502,346	813.59	57 Kosovo	88	1	1,602,515	18,210
12 Norway	5,975	24	5,391,723	902.38	58 Russia	7,810	12	145,472,994	18,626.
13 Slovenia	2,189	16	2,119,030	968.04	59 Thailand	3,800	4	71,561,955	18,832
14 Cyprus	1,273	7	1,241,296	975.10	60 Kazakhstan	1,005	3	19,097,429	19,002
15 United Kingdom	63,331	48	67,167,774	1,060.58	61 Greece	544	16	10,481,118	19,266
16 South Korea	48,441	21	51,831,253	1,069.99	62 Turkey	3,319	19	85,341,241	25,712
17 Ireland	4,304	16	4,967,164	1,154.08	63 Uruguay	120	1	3,429,902	28,582
18 Spain	37,355	54	47,397,660	1,268.84	64 Qatar	75	2	2,692,140	35,895
19 Germany	64,737	102	83,390,320	1,288.14	65 Iceland	10	1	368,998	36,899
20 Andorra	60	1	78,380	1,306,33	66 Serbia	146	2	7.331.946	50,218
21 Czech Republic	7,665	45	10,523,996	1,372.99	67 Bulgaria	137	2	6,938,114	50,643
22 Canada	25,687	33	38,019,178	1,480.09	68 Viet Nam	1.838	5	97,093,774	52,825
23 Poland	25,664		38,378,767	1,495.43	69 Georgia	70	1		53,752
24 Austria	5,854		8,914,448	1,522.80	70 Jordan	200	1		55,201
25 Italy	35,311	119	59,361,259	1,681.10	71 India	23,000	41	,,	60,991
26 Aruba	61		106,501	1,745.92	72 Iran	1,370	2	-,,,	63,934
27 Estonia	712		1,329,802	1,867.70	73 Peru	500	1	,,	67,038
28 Japan	65,603		124,946,751	1,904.59	74 Malaysia	464	4	,,	71,974
29 Slovakia	2,756		5,455,809	1,979.61	75 Ecuador	240	1	,,-	73,708
30 Belarus	4,489		9,606,437	2,139.99	76 Tajikistan	100	1		96,435
31 Sweden	3,966		10,416,525	2,626.46	77 Paraguay	50	1	-,,	133,287
32 Croatia	1,494		4,079,100	2,730.32	78 Rwanda	80	1	-,,	166,317
33 Netherlands	6,225	25	17,466,838	2,805.92	79 Egypt	600	3	,	180,652
34 Cayman Islands	24		67,879	2,828.29	80 Indonesia	985	5		277,045
35 United States	115,056	_	336,495,796	2,924.63	81 Ukraine	147	4		297,473
36 Lithuania	871	5	2,804,633	3,220.01	82 Saudi Arabia	68	4		525,944
37 Portugal	3,114		10,297,984	3,307.00	83 Lebanon	10	1	00,101,212	563,132
38 Australia	7,240		25,795,922	3,562.97	84 Venezuela	50	1		567,041
						323	1	,,	
39 Hungary	2,723 1,932		9,731,025	3,573.64	85 Pakistan	323 150	3	,,	709,847
40 Israel			8,829,385	4,570.08	86 Bangladesh				1,122,766
41 Romania	4,092		19,394,347	4,739.58	87 Portugal and Spain	46	1		1,254,253
42 Costa Rica	1,000	1	5,140,851	5,140.85	88 Nigeria	150	2		1,405,828
43 Latvia	317	2	1,886,860	5,952.24	89 Morocco	25	1		1,475,548
44 New Zealand	850	3	5,095,771	5,995.02	90 South Africa	30	1	,,	1,971,257
45 United Arab Emirates	1,437	7	9,327,028	6,490.62	91 Algeria	10	1	,,.	4,381,234
46 Chile	2,956	2	19,393,941	6,560.87	92 Bahrain	Unknown	1	1,460,905	N/A