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U.S. Teens Trail Peers Around World on Math-Science Test

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The disappointing performance of U.S. teenagers in math and science on an international exam, in scores released yesterday, has sparked calls for improvement in public schools to help the country keep pace in the global economy.

The scores from the 2006 Program for International Student Assessment showed that U.S. 15-year-olds trailed their peers from many industrialized countries. The average science score of U.S. students lagged behind those in 16 of 30 countries in the [Organization for Economic Cooperation and Development](#), a Paris-based group that represents the world's richest countries. The U.S. students were further behind in math, trailing counterparts in 23 countries.

"How are our children going to be able to compete with the children of the world? The answer is not well," said former [Colorado](#) governor Roy Romer, chairman of Strong American Schools, a nonpartisan group seeking to make education prominent in the 2008 presidential election.

The PISA test, given every three years, measures the ability of 15-year-olds to apply math and science knowledge in real-life contexts. About 400,000 students, including 5,600 in the United States, took the 2006 exam. There is also a reading portion, but results for U.S. students were thrown out because the tests were printed incorrectly.

Students in [Finland](#) received the top scores in science and math. [Mexico](#) was at the bottom.

The PISA results underscore concerns that too few U.S. students are prepared to become engineers, scientists and physicians, and that the country might lose ground to competitors. An expert panel appointed last year by [President Bush](#) is preparing to recommend ways to improve public school math instruction, with a focus on algebra.

Former [West Virginia](#) governor Bob Wise, president of the Alliance for Excellent Education, a group seeking to improve high schools, said the scores show a need for more training and support for math and science teachers. He also said the federal government should encourage states to agree on common education standards so that all students are working toward the same targets.

"This, to me, is the Olympics of academics," Wise said, "and we need to respond to it."

PISA, first administered in 2000, covers reading, math and science. But each time the test is given, it focuses in depth on one subject. Last year's exam spotlighted science, covering concepts in physics, chemistry, biology and earth and space science.

Mark S. Schneider, commissioner of the National Center for Education Statistics in the Education Department, said the exam isn't designed to measure a student's recall of facts. Instead, he said, it tests a student's ability to apply knowledge using "more sophisticated concepts and deeper reasoning skills."

On the science portion, U.S. students, most of them 10th-graders, received an average score of 489 on a 1,000-point scale, 11 points below the average of the 30 countries. [Canada](#), [Japan](#) and Korea were among the countries in which students outperformed U.S. counterparts. U.S. students were on par with peers in eight countries and outperformed those from five others.

In math, only four countries had average scores lower than the United States. Students in 23 countries had a higher average score, and those in two countries did about the same as the Americans.

The ranking of U.S. students in math and science is about the same as it was in 2003.

Education Secretary [Margaret Spellings](#) said that the results were disappointing but that the National Math Advisory Panel and other initiatives are in motion to bolster math and science education. The ranking "speaks to what President Bush has long been advocating for: more rigor in our nation's high schools; additional resources for advanced courses to prepare students for college-level studies; and stronger math and science education," she said in a statement.

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15 YEAR OLD STUDENTS
2006 PISA TEST
DATA

Table 6.2c
Mean score, variation and gender differences in student performance on the mathematics scale

	All students				Gender differences				Percentiles															
	Mean score		Standard deviation		Males		Females		Difference (M - F)		5th		10th		25th		75th		90th		95th			
	Mean	S.E.	S.D.	S.E.	Mean score	S.E.	Mean score	S.E.	Score diff.	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.		
OECD	520	(2.2)	88	(1.1)	527	(3.2)	513	(2.4)	14	(3.4)	375	(3.2)	406	(2.7)	460	(2.3)	581	(2.5)	633	(2.5)	663	(3.3)	663	(4.0)
Australia	505	(3.7)	98	(2.3)	517	(4.4)	494	(4.1)	23	(4.7)	338	(6.8)	373	(6.3)	438	(5.5)	577	(4.0)	630	(4.0)	657	(3.8)	657	(4.0)
Austria	520	(3.0)	106	(3.3)	524	(4.1)	517	(3.4)	7	(4.8)	383	(8.9)	381	(8.6)	451	(4.0)	598	(2.3)	650	(2.3)	678	(2.4)	678	(2.7)
Belgium	527	(2.0)	86	(1.1)	534	(2.4)	520	(2.0)	14	(1.9)	383	(4.0)	416	(3.3)	470	(2.4)	587	(2.5)	635	(2.3)	664	(2.3)	664	(3.3)
Canada	510	(3.6)	103	(2.1)	514	(4.2)	504	(4.8)	11	(5.6)	340	(5.2)	376	(4.7)	441	(4.3)	582	(4.7)	644	(4.7)	677	(4.8)	677	(6.0)
Czech Republic	513	(2.6)	85	(1.5)	518	(2.9)	508	(3.0)	10	(2.8)	371	(5.0)	404	(4.3)	458	(3.4)	572	(2.8)	621	(2.8)	649	(3.4)	649	(4.3)
Denmark	548	(2.3)	81	(1.0)	554	(2.7)	543	(2.6)	12	(2.6)	411	(5.0)	444	(4.4)	494	(2.6)	605	(2.6)	662	(2.6)	678	(2.8)	678	(3.0)
Finland	496	(3.2)	96	(2.0)	489	(4.0)	482	(3.3)	6	(3.7)	339	(5.5)	369	(5.4)	429	(4.7)	565	(3.8)	617	(4.0)	646	(3.8)	646	(4.6)
France	504	(3.9)	99	(2.6)	513	(4.6)	494	(3.9)	20	(3.7)	339	(8.5)	375	(6.8)	437	(4.9)	574	(3.9)	632	(3.8)	664	(3.8)	664	(4.6)
Germany	459	(3.0)	92	(2.4)	462	(4.3)	457	(3.0)	5	(4.5)	304	(7.3)	341	(5.6)	399	(3.9)	522	(4.0)	575	(4.0)	607	(4.1)	607	(4.5)
Hungary	491	(2.9)	91	(2.0)	488	(3.5)	486	(3.7)	10	(4.3)	377	(3.9)	431	(2.9)	491	(3.9)	551	(4.1)	609	(4.1)	643	(3.9)	643	(5.8)
Iceland	506	(1.8)	88	(1.1)	503	(2.6)	508	(2.2)	-4	(3.2)	357	(3.5)	391	(3.6)	446	(2.4)	567	(2.4)	618	(2.4)	648	(3.2)	648	(4.4)
Ireland	501	(2.8)	82	(1.5)	507	(3.7)	496	(3.2)	11	(4.1)	366	(4.6)	396	(4.4)	445	(4.1)	569	(3.2)	608	(3.2)	634	(3.2)	634	(2.9)
Italy	462	(2.3)	96	(1.7)	470	(2.9)	453	(2.7)	17	(3.4)	305	(4.4)	341	(3.3)	398	(2.7)	527	(2.8)	584	(2.8)	616	(4.2)	616	(3.8)
Japan	523	(3.3)	91	(2.1)	533	(4.8)	513	(4.9)	20	(7.2)	370	(6.4)	404	(5.5)	463	(4.6)	587	(3.0)	638	(3.0)	668	(3.6)	668	(4.2)
Korea	547	(3.8)	93	(3.1)	552	(5.3)	543	(4.5)	9	(6.3)	392	(7.1)	426	(6.1)	485	(4.3)	612	(3.0)	664	(3.0)	694	(3.6)	694	(6.2)
Luxembourg	490	(1.1)	93	(1.0)	498	(1.7)	482	(1.8)	17	(2.8)	332	(4.4)	368	(3.5)	426	(1.9)	555	(1.9)	610	(2.7)	641	(2.7)	641	(3.6)
Mexico	406	(2.9)	85	(2.2)	410	(3.4)	401	(3.1)	9	(2.6)	268	(6.6)	298	(4.9)	349	(3.7)	463	(2.8)	514	(2.8)	546	(3.3)	546	(4.2)
Netherlands	531	(2.6)	89	(2.2)	537	(3.1)	524	(2.8)	13	(2.8)	382	(6.0)	412	(5.0)	467	(4.6)	586	(2.7)	645	(2.7)	672	(3.3)	672	(4.3)
New Zealand	522	(2.4)	93	(1.2)	527	(3.1)	517	(3.6)	11	(4.7)	368	(3.6)	401	(4.1)	458	(3.2)	567	(3.0)	618	(3.0)	674	(4.0)	674	(3.6)
Norway	490	(2.6)	92	(1.4)	493	(3.3)	487	(2.8)	6	(3.8)	339	(6.0)	373	(3.8)	428	(3.9)	552	(2.8)	609	(2.8)	638	(3.3)	638	(2.8)
Norway	495	(2.4)	87	(1.2)	500	(2.8)	491	(2.7)	9	(2.6)	353	(3.3)	384	(3.4)	435	(2.8)	557	(3.3)	610	(3.3)	639	(3.7)	639	(3.5)
Poland	466	(3.1)	91	(2.0)	474	(3.7)	459	(3.2)	15	(3.3)	315	(6.5)	348	(5.2)	404	(4.2)	530	(3.0)	583	(3.0)	612	(2.6)	612	(3.8)
Portugal	482	(2.8)	85	(2.5)	489	(3.7)	485	(3.5)	4	(4.6)	333	(7.0)	370	(5.1)	433	(3.6)	558	(2.5)	611	(2.5)	640	(4.4)	640	(4.8)
Slovak Republic	480	(2.3)	89	(1.1)	484	(2.6)	476	(2.6)	8	(2.2)	332	(4.4)	365	(3.2)	421	(3.2)	542	(3.5)	593	(3.2)	622	(2.9)	622	(3.3)
Spain	502	(2.4)	90	(1.4)	505	(2.7)	500	(3.0)	5	(2.9)	354	(5.6)	387	(4.2)	442	(3.5)	565	(3.2)	617	(3.2)	649	(2.8)	649	(4.2)
Sweden	500	(3.2)	97	(1.8)	508	(3.3)	523	(3.6)	13	(2.7)	362	(5.5)	401	(4.7)	464	(4.1)	600	(3.7)	652	(3.7)	682	(4.2)	682	(4.2)
Switzerland	424	(4.9)	93	(4.3)	427	(5.6)	421	(5.1)	6	(4.6)	287	(6.1)	316	(4.0)	360	(3.3)	477	(2.2)	550	(2.2)	595	(12.4)	595	(15.8)
Turkey	495	(2.1)	89	(1.3)	504	(2.6)	487	(2.6)	17	(2.9)	328	(7.6)	358	(5.8)	411	(4.8)	537	(5.0)	593	(3.8)	625	(4.8)	625	(4.8)
United Kingdom	474	(4.0)	90	(1.9)	479	(4.6)	470	(3.9)	9	(2.9)	323	(2.3)	357	(1.9)	416	(1.7)	553	(1.3)	612	(1.3)	644	(1.4)	644	(1.3)
United States	484	(1.2)	98	(0.7)	489	(1.3)	478	(1.3)	12	(1.2)	323	(2.3)	357	(1.9)	416	(1.7)	553	(1.3)	612	(1.3)	644	(1.4)	644	(1.3)
OECD total	488	(0.5)	92	(0.4)	503	(0.7)	482	(0.6)	11	(0.7)	346	(1.1)	379	(0.9)	436	(0.7)	495	(0.6)	551	(0.6)	597	(0.8)	597	(0.9)
OECD average	488	(0.5)	92	(0.4)	503	(0.7)	482	(0.6)	11	(0.7)	346	(1.1)	379	(0.9)	436	(0.7)	495	(0.6)	551	(0.6)	597	(0.8)	597	(0.9)
Partners	381	(6.2)	101	(3.5)	388	(6.5)	375	(7.2)	13	(5.6)	209	(11.2)	249	(9.8)	316	(7.9)	451	(6.9)	508	(6.9)	543	(7.6)	543	(9.2)
Argentina	476	(2.3)	48	(1.7)	475	(2.4)	477	(2.6)	-1	(2.0)	403	(2.4)	419	(2.2)	443	(2.5)	505	(3.0)	535	(3.0)	555	(3.6)	555	(6.2)
Azerbaijan	370	(2.9)	92	(2.7)	380	(3.4)	361	(3.0)	19	(2.8)	225	(6.4)	255	(4.5)	308	(3.0)	427	(3.7)	487	(3.7)	530	(8.3)	530	(8.3)
Brazil	413	(6.1)	101	(3.6)	412	(6.7)	415	(6.5)	-4	(4.9)	251	(8.3)	287	(7.2)	345	(6.4)	481	(6.8)	543	(6.8)	583	(8.4)	583	(11.0)
Bulgaria	411	(4.6)	87	(2.2)	424	(5.5)	396	(4.7)	28	(4.8)	273	(5.6)	302	(4.3)	350	(4.4)	470	(5.1)	527	(5.1)	581	(6.7)	581	(7.7)
Chile	370	(3.8)	88	(2.5)	382	(4.1)	360	(5.0)	22	(4.6)	226	(8.4)	258	(5.6)	311	(4.9)	428	(4.6)	482	(4.6)	515	(6.1)	515	(6.1)
Colombia	467	(2.4)	83	(1.5)	474	(3.2)	461	(3.8)	13	(3.8)	332	(4.3)	361	(3.3)	410	(3.0)	524	(3.3)	576	(3.3)	605	(3.8)	605	(3.8)
Croatia	515	(2.7)	80	(1.5)	515	(3.3)	514	(3.0)	1	(3.2)	381	(5.9)	411	(4.3)	461	(3.5)	570	(3.3)	618	(3.3)	646	(4.1)	646	(4.1)
Estonia	547	(2.7)	93	(2.4)	555	(3.9)	540	(3.7)	16	(5.5)	386	(6.1)	423	(4.3)	486	(4.5)	614	(3.1)	665	(3.5)	692	(4.8)	692	(4.8)
Hong Kong-China	391	(5.6)	80	(3.2)	399	(8.3)	382	(4.0)	17	(7.3)	265	(5.6)	293	(3.9)	336	(4.2)	444	(3.4)	498	(3.4)	528	(9.4)	528	(10.3)
Indonesia	442	(4.3)	107	(3.3)	448	(6.6)	436	(4.3)	12	(6.9)	266	(11.2)	304	(6.9)	368	(5.2)	444	(4.7)	511	(4.7)	518	(5.0)	518	(4.7)
Israel	384	(3.3)	84	(2.0)	381	(4.0)	388	(3.9)	-7	(6.5)	244	(5.7)	279	(4.3)	330	(3.4)	441	(3.9)	489	(3.9)	519	(5.0)	519	(5.8)
Jordan	311	(3.4)	87	(2.1)	311	(4.0)	310	(3.4)	1	(2.9)	175	(5.1)	204	(5.0)	253	(3.6)	363	(3.6)	423	(3.6)	465	(5.9)	465	(7.6)
Kyrgyzstan	486	(3.0)	83	(1.6)	489	(3.5)	484	(3.2)	5	(3.0)	347	(5.6)	378	(5.2)	432	(3.6)	542	(3.2)	590	(3.2)	619	(4.2)	619	(4.2)
Latvia	525	(4.2)	93	(3.2)	525	(7.4)	525	(7.0)	0	(11.7)	367	(9.7)	402	(11.1)	464	(10.0)	588	(5.2)	643	(9.5)	677	(10.6)	677	(10.6)
Liechtenstein	468	(2.9)	90	(1.8)	467	(3.3)	485	(3.3)	2	(3.0)	338	(4.9)	369	(4.3)	426	(3.3)	549	(3.6)	602	(3.6)	632	(4.9)	632	(4.6)
Lithuania	525	(1.3)	84	(0.9)	520	(2.1)	520	(1.7)	11	(2.9)	384	(3.6)	416	(3.1)	467	(2.1)	585	(2.0)	632	(2.0)	660	(2.4)	660	(3.3)
Macao-China	399	(1.4)	85	(1.0)	405	(2.3)	393	(1.9)	12	(3.3)	291	(3.3)	321	(3.0)	342	(2.0)	456	(2.4)	510	(2.4)	543	(2.4)	543	(3.3)
Montenegro	318	(1.0)	91	(0.8)	311	(1.6)	325	(1.3)	-14	(2.2)	178	(2.9)	212	(2.2)	257	(1.3)	368	(1.7)	438	(1.7)	486	(2.7)	486	(

Table 2.1c Mean score, variation and gender differences in student performance on the science scale

	All students			Gender differences				Percentiles																			
	Mean score		Standard deviation	Males		Females		Difference (M-F)		5th			10th			25th			75th			90th			95th		
	Mean	S.E.	S.D.	Mean score	S.E.	Mean score	S.E.	Score diff.	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.		
OECD	527	(2.3)	100	527	(3.2)	527	(2.7)	0	(3.8)	358	(3.5)	395	(3.4)	459	(2.6)	588	(2.5)	653	(2.5)	885	(2.9)	663	(3.6)	663	(4.1)		
Australia	511	(3.9)	98	515	(4.2)	507	(4.9)	8	(4.9)	341	(9.3)	378	(8.2)	443	(5.4)	582	(4.1)	633	(4.1)	663	(3.6)	663	(3.6)	663	(4.1)		
Austria	510	(2.5)	100	511	(3.3)	510	(3.2)	1	(4.1)	336	(7.3)	374	(5.4)	442	(2.7)	584	(2.2)	634	(2.2)	681	(2.4)	681	(2.4)	681	(2.8)		
Belgium	534	(2.0)	94	536	(2.5)	532	(2.1)	4	(2.2)	372	(4.7)	410	(3.7)	472	(2.5)	601	(2.2)	651	(2.2)	681	(2.4)	681	(2.4)	681	(2.8)		
Canada	513	(3.5)	98	515	(4.2)	510	(4.8)	5	(5.6)	350	(6.0)	385	(5.2)	443	(4.6)	583	(3.9)	641	(3.9)	672	(4.3)	672	(4.3)	672	(4.7)		
Czech Republic	493	(3.1)	93	500	(3.6)	491	(3.2)	9	(3.2)	341	(5.9)	373	(4.8)	432	(4.3)	562	(2.9)	615	(2.9)	646	(3.7)	646	(3.7)	646	(4.3)		
Denmark	583	(2.0)	86	582	(2.6)	585	(2.4)	-3	(2.8)	419	(4.4)	453	(3.3)	506	(2.9)	622	(2.5)	673	(2.5)	700	(2.9)	663	(3.8)	663	(3.8)		
Finland	495	(3.4)	102	497	(4.3)	494	(3.6)	3	(4.0)	320	(6.3)	359	(5.5)	424	(5.3)	570	(4.0)	623	(4.0)	663	(4.0)	663	(3.6)	663	(3.6)		
France	516	(3.8)	100	519	(4.6)	512	(3.8)	7	(3.7)	345	(8.1)	381	(7.0)	447	(5.3)	577	(3.2)	642	(3.2)	672	(3.2)	672	(3.6)	672	(3.6)		
Germany	473	(3.2)	92	468	(4.5)	479	(3.4)	-11	(4.7)	317	(7.3)	353	(5.4)	413	(4.4)	537	(3.3)	589	(3.3)	619	(4.1)	619	(4.1)	619	(3.8)		
Greece	504	(2.7)	88	501	(3.3)	501	(3.5)	6	(4.2)	358	(4.4)	388	(4.2)	442	(3.5)	566	(3.3)	617	(3.3)	646	(3.1)	646	(4.2)	646	(4.2)		
Hungary	491	(1.6)	97	488	(2.6)	494	(2.1)	-6	(3.4)	328	(4.9)	364	(2.9)	424	(2.6)	560	(2.4)	614	(2.4)	644	(2.9)	644	(3.4)	644	(3.4)		
Iceland	503	(3.2)	94	508	(4.3)	509	(3.3)	0	(4.3)	351	(5.8)	385	(4.4)	444	(4.6)	575	(3.4)	630	(3.4)	660	(3.7)	660	(4.9)	660	(4.9)		
Ireland	475	(2.0)	96	477	(2.8)	474	(2.5)	3	(3.5)	318	(3.1)	351	(2.8)	409	(3.0)	543	(2.4)	598	(2.4)	630	(2.6)	630	(2.8)	630	(2.8)		
Italy	531	(3.4)	100	533	(4.9)	530	(5.1)	3	(7.4)	367	(8.4)	403	(5.7)	462	(4.1)	603	(3.1)	654	(3.1)	685	(3.1)	685	(3.6)	685	(3.6)		
Japan	522	(3.4)	90	521	(4.8)	523	(3.9)	-2	(5.5)	322	(3.9)	358	(2.8)	419	(2.0)	556	(2.4)	609	(2.4)	640	(2.8)	640	(2.8)	640	(2.8)		
Korea	486	(1.1)	97	486	(1.1)	482	(1.8)	4	(2.9)	322	(3.9)	358	(2.8)	419	(2.0)	556	(2.4)	609	(2.4)	640	(2.8)	640	(2.8)	640	(2.8)		
Luxembourg	410	(2.7)	81	413	(3.2)	408	(2.6)	5	(2.2)	262	(4.4)	306	(4.2)	354	(3.6)	465	(2.6)	516	(2.6)	544	(3.0)	544	(3.5)	544	(3.5)		
Mexico	525	(2.7)	96	528	(3.2)	521	(3.1)	7	(3.0)	362	(5.9)	395	(5.4)	456	(4.7)	596	(2.6)	646	(2.6)	675	(3.4)	675	(3.6)	675	(3.6)		
Netherlands	487	(3.1)	96	484	(3.8)	489	(3.2)	-4	(3.4)	347	(5.2)	389	(4.5)	455	(3.6)	608	(2.9)	667	(2.9)	699	(3.3)	699	(3.3)	699	(3.1)		
New Zealand	498	(2.3)	90	498	(2.7)	498	(2.6)	0	(3.5)	328	(7.8)	365	(5.6)	422	(3.9)	553	(3.0)	615	(3.0)	645	(3.3)	645	(3.3)	645	(3.3)		
Norway	498	(2.3)	90	498	(2.7)	498	(2.6)	0	(3.5)	328	(7.8)	365	(5.6)	422	(3.9)	553	(3.0)	615	(3.0)	645	(3.3)	645	(3.3)	645	(3.3)		
Poland	474	(3.0)	89	477	(3.7)	472	(3.2)	5	(3.3)	329	(5.4)	357	(4.8)	411	(4.2)	539	(3.0)	588	(3.0)	617	(2.9)	617	(3.2)	617	(3.2)		
Portugal	488	(2.6)	93	491	(3.9)	485	(3.0)	6	(4.7)	338	(4.1)	370	(3.7)	426	(3.0)	552	(2.6)	604	(2.6)	633	(3.1)	633	(3.1)	633	(3.1)		
Slovak Republic	503	(2.4)	94	504	(2.9)	503	(2.9)	1	(3.0)	347	(3.8)	381	(4.0)	439	(3.3)	569	(2.8)	622	(2.8)	654	(3.4)	654	(3.4)	654	(3.4)		
Spain	512	(3.2)	99	514	(3.3)	509	(3.6)	5	(2.7)	340	(5.0)	378	(4.9)	445	(3.9)	584	(3.5)	636	(3.5)	665	(3.8)	665	(4.6)	665	(4.6)		
Sweden	424	(3.8)	83	418	(4.6)	430	(4.1)	-12	(4.1)	301	(2.8)	325	(3.2)	366	(2.6)	475	(5.8)	540	(5.8)	575	(9.8)	575	(9.8)	575	(9.8)		
Switzerland	515	(2.3)	107	520	(3.0)	510	(2.8)	10	(3.4)	337	(5.4)	376	(4.3)	441	(3.2)	590	(3.1)	652	(3.1)	685	(2.9)	685	(3.5)	685	(3.5)		
Turkey	488	(4.2)	106	489	(5.1)	489	(4.3)	0	(3.5)	318	(4.8)	349	(5.9)	412	(5.4)	567	(4.6)	628	(4.6)	682	(4.3)	682	(4.3)	682	(4.3)		
United Kingdom	491	(1.2)	104	492	(1.4)	490	(1.3)	2	(1.3)	321	(1.8)	354	(1.9)	416	(1.6)	567	(1.3)	626	(1.3)	659	(1.5)	659	(1.5)	659	(1.5)		
United States	491	(1.2)	104	492	(1.4)	490	(1.3)	2	(1.3)	321	(1.8)	354	(1.9)	416	(1.6)	567	(1.3)	626	(1.3)	659	(1.5)	659	(1.5)	659	(1.5)		
OECD total	500	(0.5)	95	501	(0.7)	499	(0.6)	2	(0.7)	340	(1.0)	375	(0.9)	434	(0.7)	568	(0.6)	622	(0.6)	682	(0.7)	682	(0.7)	682	(0.7)		
OECD average	500	(0.5)	95	501	(0.7)	499	(0.6)	2	(0.7)	340	(1.0)	375	(0.9)	434	(0.7)	568	(0.6)	622	(0.6)	682	(0.7)	682	(0.7)	682	(0.7)		
Partners	391	(6.1)	101	384	(6.5)	397	(6.8)	-13	(5.6)	218	(9.9)	259	(9.0)	324	(7.2)	461	(6.6)	520	(6.6)	555	(6.5)	555	(6.6)	555	(6.6)		
Argentina	362	(2.8)	56	379	(3.1)	366	(2.7)	13	(2.0)	300	(3.1)	316	(2.4)	344	(2.6)	414	(3.5)	456	(3.5)	485	(6.4)	485	(6.4)	485	(6.4)		
Azerbaijan	390	(2.8)	89	395	(2.8)	386	(2.9)	9	(2.3)	264	(4.5)	281	(3.2)	328	(2.3)	407	(4.5)	510	(4.5)	549	(5.6)	549	(5.6)	549	(5.6)		
Brazil	434	(6.1)	107	426	(6.8)	443	(6.9)	-17	(5.8)	266	(6.1)	300	(7.1)	368	(6.4)	509	(7.8)	577	(8.3)	612	(6.2)	612	(6.2)	612	(6.2)		
Bulgaria	438	(4.3)	92	448	(5.4)	428	(4.4)	20	(4.8)	295	(4.8)	323	(4.1)	374	(4.0)	501	(5.9)	560	(5.9)	595	(6.5)	595	(6.5)	595	(6.5)		
Chile	388	(3.4)	85	393	(4.1)	384	(4.1)	9	(4.6)	247	(6.3)	280	(4.5)	352	(4.8)	445	(4.7)	486	(4.7)	528	(4.8)	528	(4.7)	528	(4.7)		
Colombia	493	(2.4)	86	492	(3.3)	494	(3.1)	-2	(4.1)	347	(4.5)	383	(3.8)	474	(3.2)	553	(2.7)	604	(2.7)	634	(3.2)	634	(3.2)	634	(3.2)		
Croatia	531	(2.5)	84	530	(3.1)	533	(2.9)	-4	(3.1)	392	(4.7)	422	(3.8)	474	(3.2)	589	(3.1)	640	(3.1)	668	(3.7)	668	(3.7)	668	(3.7)		
Estonia	542	(2.5)	92	546	(3.5)	539	(3.5)	7	(4.9)	380	(6.2)	418	(6.1)	482	(3.6)	609	(2.8)	655	(2.8)	682	(3.5)	682	(3.5)	682	(3.5)		
Hong Kong-China	393	(6.7)	70	399	(8.2)	387	(3.7)	12	(6.3)	286	(4.1)	307	(3.5)	345	(4.2)	438	(8.0)	488	(8.0)	518	(11.7)	518	(11.7)	518	(11.7)		
Indonesia	454	(3.7)	111	456	(5.6)	462	(4.2)	3	(6.5)	275	(5.7)	310	(5.2)	374	(4.8)	535	(4.6)	601	(4.5)	638	(5.5)	638	(5.5)	638	(5.5)		
Israel	422	(2.8)	90	408	(4.5)	436	(3.3)	-28	(5.3)	276	(5.2)	309	(4.0)	362	(2.8)	484	(3.5)	537	(3.5)	568	(4.5)	568	(4.5)	568	(4.5)		
Jordan	322	(2.6)	84	319	(3.6)	325	(3.0)	-6	(3.0)	191	(4.9)	220	(3.8)	267	(3.2)	372	(3.3)	428	(3.3)	468	(6.7)	468	(6.7)	468	(6.7)		
Kyrgyzstan	490	(3.0)	84	488	(3.5)	493	(3.2)	-7	(3.1)	348	(5.2)	380	(4.2)	432	(3.7)	547	(3.1)	597	(3.1)	627	(3.5)	627	(3.5)	627	(3.5)		
Latvia	522	(4.1)	97	516	(7.8)	527	(6.3)	-11	(11.1)	358	(11.2)	393	(12.6)	457	(7.3)	591	(7.1)	643	(9.4)	675	(13.4)	675	(13.4)	675	(13.4)		
Liechtenstein	488	(2.8)	90	483	(3.1)	483	(3.1)	0	(2.8)	340	(3.0)	370	(3.2)	425	(3.3)	551	(3.5)	604	(3.5)	633	(5.5)	633	(5.5)	633	(5.5)		
Lithuania	511	(1.1)	78	513	(1.8)	509	(1.6)	4	(2.7)	378																	