



**WHO / UNICEF**

**Joint Monitoring Programme  
for Water Supply and Sanitation**

Estimates for the use of

**Improved  
Drinking-Water Sources**

Updated March 2010

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**Korea, Rep of**

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Access to drinking water sources		CEN97			Republic of Korea			Access to drinking water sources		JMP99			Republic of Korea			
Census as recorded in the Global Water Supply and Sanitation Assessment 2000					1997			Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999. Form 6 sent to WHO.					1999			
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total		
General Waterworks	<b>Tap water</b>	95.7	39.2		Population served with household connection	<b>Tap water</b>	95.7	39.2		Population served with household connection	<b>Tap water</b>	95.7	39.2			
	House connections					House connections					House connections					
	Piped water into dwelling					Piped water into dwelling					Piped water into dwelling					
	Piped water to yard/plot					Piped water to yard/plot					Piped water to yard/plot					
	Public tap, standpipe					Public tap, standpipe					Public tap, standpipe					
	Other					Other					Other					
	<b>Ground water</b>				Population without household connection but with reasonable access to a public	<b>Ground water</b>	1.3	32.2		Population without household connection but with reasonable access to a public	<b>Ground water</b>	1.3	32.2			
	Protected ground water					Protected ground water					Protected ground water					
	Unprotected ground water					Unprotected ground water					Unprotected ground water					
	Protected wells or springs					Protected wells or springs					Protected wells or springs					
	Private					Private					Private					
	Public					Public					Public					
	Other					Other					Other					
	Unprotected wells or springs					Unprotected wells or springs					Unprotected wells or springs					
	Private					Private					Private					
	Public					Public					Public					
	Other					Other					Other					
	<b>All wells</b>					<b>All wells</b>					<b>All wells</b>					
	Private					Private					Private					
	Public					Public					Public					
	Other					Other					Other					
	Tubewell, borehole					Tubewell, borehole					Tubewell, borehole					
	Private					Private					Private					
	Public					Public					Public					
	Other					Other					Other					
	<b>Traditional wells</b>					<b>Traditional wells</b>					<b>Traditional wells</b>					
	Private					Private					Private					
	Public					Public					Public					
	Other					Other					Other					
	Protected well					Protected well					Protected well					
	Private					Private					Private					
	Public					Public					Public					
	Other					Other					Other					
	Unprotected well					Unprotected well					Unprotected well					
	Private					Private					Private					
	Public					Public					Public					
	Other					Other					Other					
	<b>All springs</b>					<b>All springs</b>					<b>All springs</b>					
	Private					Private					Private					
	Public					Public					Public					
	Other					Other					Other					
	Protected spring					Protected spring					Protected spring					
	Private					Private					Private					
	Public					Public					Public					
	Other					Other					Other					
	Unprotected spring					Unprotected spring					Unprotected spring					
	Private					Private					Private					
	Public					Public					Public					
	Other					Other					Other					
	<b>Rainwater</b>					<b>Rainwater</b>					<b>Rainwater</b>					
	Covered cistern/tank					Covered cistern/tank					Covered cistern/tank					
	Uncovered cistern/tank					Uncovered cistern/tank					Uncovered cistern/tank					
	<b>Bottled water</b>					<b>Bottled water</b>					<b>Bottled water</b>					
	with other improved					with other improved					with other improved					
	without other improved					without other improved					without other improved					
	<b>Surface water</b>					<b>Surface water</b>					<b>Surface water</b>					
	River					River					River					
	Lake					Lake					Lake					
	Dam					Dam					Dam					
	Pond					Pond					Pond					
	Stream					Stream					Stream					
	Irrigation channel					Irrigation channel					Irrigation channel					
	Other					Other					Other					
	<b>Other improved sources</b>	1.3	32.2			<b>Other improved sources</b>					<b>Other improved sources</b>					
Small-Scale Waterworks	Other	1.2	29.3			Other					Other					
Exclusive Waterworks	Other	0.2	3.0			Other					Other					
	<b>Other non-improved</b>	3.0	28.6		Total population unserved	<b>Other non-improved</b>	3.0	28.6		Total population unserved	<b>Other non-improved</b>	3.0	28.6			
	Cart with small tank/drum					Cart with small tank/drum					Cart with small tank/drum					
	Tanker truck provided					Tanker truck provided					Tanker truck provided					
Others	Other	3.0	28.6			Other					Other					
	Other					Other					Other					
	<b>DK/missing</b>					<b>DK/missing</b>					<b>DK/missing</b>					
	<b>Total</b>	100.0	100.0			<b>Total</b>	100.0	100.0			<b>Total</b>	100.0	100.0			
Calculations						Calculations										
Estimations						Estimations										
<b>Access to improved drinking water sources :</b>		<b>97%</b>	<b>71%</b>		<b>Access to improved drinking water sources :</b>		<b>97%</b>	<b>71%</b>		<b>Access to improved drinking water sources :</b>		<b>97%</b>	<b>71%</b>			
<b>Access to house connections :</b>		<b>96%</b>	<b>39%</b>		<b>Access to house connections :</b>		<b>96%</b>	<b>39%</b>		<b>Access to house connections :</b>		<b>96%</b>	<b>39%</b>			
Used for the estimates:		Yes	Yes		Used for the estimates:		No	No		Used for the estimates:		No	No			
Used for the estimates:		Yes	Yes		Used for the estimates:		No	No		Used for the estimates:		No	No			
Ratios	HC / Tap water	100%	100%		Ratios	HC / Tap water	100%	100%		Ratios	HC / Tap water	100%	100%			
	Public tap / Tap water					Public tap / Tap water						Public tap / Tap water				
	Tubewell + protected well / All wells					Tubewell + protected well / All wells						Tubewell + protected well / All wells				
	Protected wells / Traditional wells					Protected wells / Traditional wells						Protected wells / Traditional wells				
	Tubewell / All wells					Tubewell / All wells						Tubewell / All wells				
	Protected springs / All springs					Protected springs / All springs						Protected springs / All springs				
	Protect. well & spring / well & spring					Protect. well & spring / well & spring						Protect. well & spring / well & spring				
Number of people covered by the survey:		37607	9268		Number of people covered by the survey:		37609	9268		Number of people covered by the survey:		37609	9268			
Number of households covered by the survey:					Number of households covered by the survey:					Number of households covered by the survey:						
Total population:					Total population:					Total population:						
Comments					Comments	JMP99 figures are the same as those of the CEN97!										

Access to drinking water sources		CEN00			Republic of Korea			Access to drinking water sources		CEN01			Republic of Korea		
National Census					2000			National Census					2001		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
General Waterworks	<b>Tap water</b>	97.3	46.3		General Waterworks	<b>Tap water</b>	97.6	48.4							
	House connections					House connections									
	Piped water into dwelling					Piped water into dwelling									
	Piped water to yard/plot					Piped water to yard/plot									
	Public tap, standpipe					Public tap, standpipe									
	Other					Other									
	<b>Ground water</b>					<b>Ground water</b>									
	Protected ground water					Protected ground water									
	Unprotected ground water					Unprotected ground water									
	Protected wells or springs					Protected wells or springs									
	Private					Private									
	Public					Public									
	Other					Other									
	Unprotected wells or springs					Unprotected wells or springs									
	Private					Private									
	Public					Public									
	Other					Other									
	<b>All wells</b>					<b>All wells</b>									
	Private					Private									
	Public					Public									
	Other					Other									
	Tubewell, borehole					Tubewell, borehole									
	Private					Private									
	Public					Public									
	Other					Other									
	<b>Traditional wells</b>					<b>Traditional wells</b>									
	Private					Private									
	Public					Public									
	Other					Other									
	Protected well					Protected well									
	Private					Private									
	Public					Public									
	Other					Other									
	Unprotected well					Unprotected well									
	Private					Private									
	Public					Public									
	Other					Other									
	<b>All springs</b>					<b>All springs</b>									
	Private					Private									
	Public					Public									
	Other					Other									
	Protected spring					Protected spring									
	Private					Private									
	Public					Public									
	Other					Other									
	Unprotected spring					Unprotected spring									
	Private					Private									
	Public					Public									
	Other					Other									
	<b>Rainwater</b>					<b>Rainwater</b>									
	Covered cistern/tank					Covered cistern/tank									
	Uncovered cistern/tank					Uncovered cistern/tank									
	<b>Bottled water</b>					<b>Bottled water</b>									
	with other improved					with other improved									
	without other improved					without other improved									
	<b>Surface water</b>					<b>Surface water</b>									
	River					River									
	Lake					Lake									
	Dam					Dam									
	Pond					Pond									
	Stream					Stream									
	Irrigation channel					Irrigation channel									
	Other					Other									
	<b>Other improved sources</b>	1.0	28.4			<b>Other improved sources</b>	0.9	27.7							
Small-Scale Waterworks	Other	0.8	26.0		Small-Scale Waterworks	Other	0.8	25.4							
Exclusive Waterworks	Other	0.1	2.4		Exclusive Waterworks	Other	0.1	2.2							
	<b>Other non-improved</b>	1.7	25.4			<b>Other non-improved</b>	1.5	23.9							
	Cart with small tank/drum					Cart with small tank/drum									
	Tanker truck provided					Tanker truck provided									
Others	Other	1.7	25.4		Others	Other	1.5	23.9							
	Other					Other									
	<b>DK/missing</b>					<b>DK/missing</b>									
	<b>Total</b>	100.0	100.0			<b>Total</b>	100.0	100.0							
<b>Calculations</b>					<b>Calculations</b>										
<b>Estimations</b>					<b>Estimations</b>										
<b>Access to improved drinking water sources : 98% 75%</b>					<b>Access to improved drinking water sources : 99% 76%</b>										
<b>Access to house connections : 97% 46%</b>					<b>Access to house connections : 98% 48%</b>										
Used for the estimates: Yes Yes					Used for the estimates: Yes Yes										
Used for the estimates: Yes Yes					Used for the estimates: Yes Yes										
<b>Ratios</b>	HC / Tap water	100%	100%		<b>Ratios</b>	HC / Tap water	100%	100%							
	Public tap / Tap water					Public tap / Tap water									
	Tubewell + protected well / All wells					Tubewell + protected well / All wells									
	Protected wells / Traditional wells					Protected wells / Traditional wells									
	Tubewell / All wells					Tubewell / All wells									
	Protected springs / All springs					Protected springs / All springs									
	Protect. well & spring / well & spring					Protect. well & spring / well & spring									
Number of people covered by the census:					Number of people covered by the census:										
Number of households covered by the census:					Number of households covered by the census:										
Total population: 38354 9622					Total population: 38665 9624										
<b>Comments</b>					<b>Comments</b>										

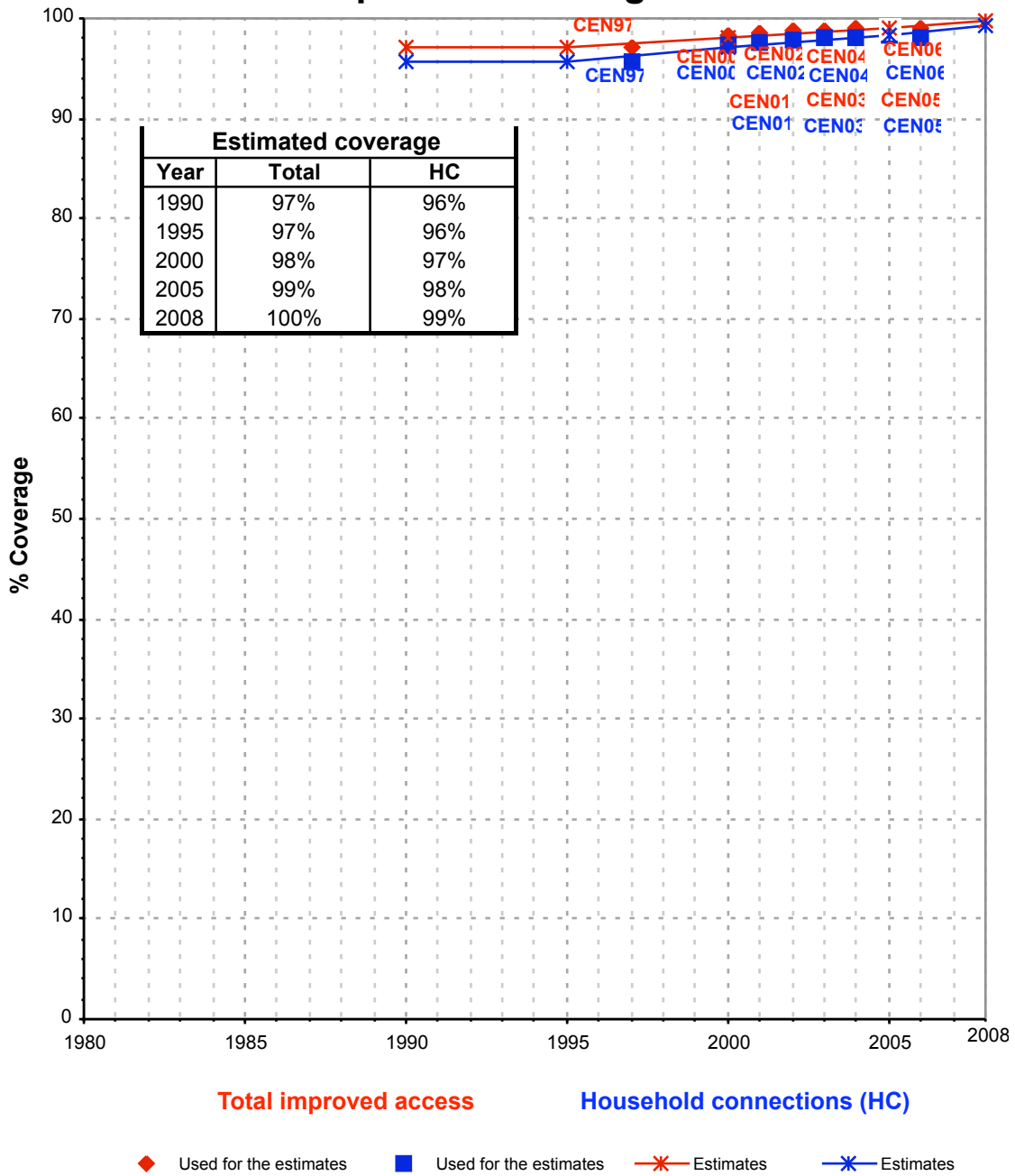
Access to drinking water sources		CEN02			Republic of Korea			Access to drinking water sources		CEN03			
National Census					2002			National Census					
Original denomination	Classification				Urban	Rural	Total	Original denomination	Classification				
General Waterworks	<b>Tap water</b>				97.9	51.5		General Waterworks	<b>Tap water</b>				
	House connections								House connections				
	Piped water into dwelling							Piped water into dwelling					
	Piped water to yard/plot							Piped water to yard/plot					
	Public tap, standpipe							Public tap, standpipe					
	Other							Other					
	<b>Ground water</b>								<b>Ground water</b>				
	Protected ground water							Protected ground water					
	Unprotected ground water							Unprotected ground water					
	Protected wells or springs							Protected wells or springs					
	Private							Private					
	Public							Public					
	Other							Other					
	Unprotected wells or springs							Unprotected wells or springs					
	Private							Private					
	Public							Public					
	Other							Other					
	<b>All wells</b>							<b>All wells</b>					
	Private							Private					
	Public							Public					
	Other							Other					
	Tubewell, borehole							Tubewell, borehole					
	Private							Private					
	Public							Public					
	Other							Other					
	<b>Traditional wells</b>							<b>Traditional wells</b>					
	Private							Private					
	Public							Public					
	Other							Other					
	Protected well							Protected well					
	Private							Private					
	Public							Public					
	Other							Other					
	Unprotected well							Unprotected well					
	Private							Private					
	Public							Public					
	Other							Other					
	<b>All springs</b>							<b>All springs</b>					
	Private							Private					
	Public							Public					
	Other							Other					
	Protected spring							Protected spring					
	Private							Private					
	Public							Public					
	Other							Other					
	Unprotected spring							Unprotected spring					
	Private							Private					
	Public							Public					
	Other							Other					
	<b>Rainwater</b>							<b>Rainwater</b>					
	Covered cistern/tank							Covered cistern/tank					
	Uncovered cistern/tank							Uncovered cistern/tank					
	<b>Bottled water</b>							<b>Bottled water</b>					
	with other improved							with other improved					
	without other improved							without other improved					
	<b>Surface water</b>							<b>Surface water</b>					
	River							River					
	Lake							Lake					
	Dam							Dam					
	Pond							Pond					
	Stream							Stream					
	Irrigation channel							Irrigation channel					
	Other							Other					
	<b>Other improved sources</b>							<b>Other improved sources</b>					
Small-Scale Waterworks	Other			0.8	27.1			Small-Scale Waterworks	Other				
Exclusive Waterworks	Other			0.7	24.7			Exclusive Waterworks	Other				
	<b>Other non-improved</b>			1.3	21.4			<b>Other non-improved</b>					
	Cart with small tank/drum							Cart with small tank/drum					
	Tanker truck provided							Tanker truck provided					
Others	Other			1.3	21.4			Others	Other				
	Other							Other					
	<b>DK/missing</b>							<b>DK/missing</b>					
	<b>Total</b>			100.0	100.0			<b>Total</b>					
<b>Calculations</b>								<b>Calculations</b>					
<b>Estimations</b>								<b>Estimations</b>					
<b>Access to improved drinking water sources :</b>				<b>99%</b>	<b>79%</b>			<b>Access to improved drinking water sources :</b>					
<b>Access to house connections :</b>				<b>98%</b>	<b>51%</b>			<b>Access to house connections :</b>					
Used for the estimates				Yes	Yes			Used for the estimates					
Used for the estimates				Yes	Yes			Used for the estimates					
<b>Ratios</b>	HC / Tap water			100%	100%			<b>Ratios</b>	HC / Tap water				
	Public tap / Tap water								Public tap / Tap water				
	Tubewell + protected well / All wells								Tubewell + protected well / All wells				
	Protected wells / Traditional wells								Protected wells / Traditional wells				
	Tubewell / All wells								Tubewell / All wells				
	Protected springs / All springs								Protected springs / All springs				
	Protect. well & spring / well & spring								Protect. well & spring / well & spring				
Number of people covered by the census:								Number of people covered by the census:					
Number of households covered by the census:								Number of households covered by the census:					
Total population:				38897	9623			Total population:					
<b>Comments</b>								<b>Comments</b>					

Republic of Korea			Access to drinking water sources		CEN04		Republic of Korea			Access to drinking water sources		CEN05		Republic of Korea					
2003			National Census				2004			National Census				2005					
Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total		
98.0	52.9		General Waterworks	<b>Tap water</b>	98.2	55.8		General Waterworks	<b>Tap water</b>	98.3	57.1		General Waterworks	<b>Tap water</b>	98.3	57.1			
				House connections						House connections						House connections			
				Piped water into dwelling					Piped water into dwelling					Piped water into dwelling					
				Piped water to yard/plot					Piped water to yard/plot					Piped water to yard/plot					
				Public tap, standpipe					Public tap, standpipe					Public tap, standpipe					
				Other					Other					Other					
				<b>Ground water</b>					<b>Ground water</b>					<b>Ground water</b>					
				Protected ground water					Protected ground water					Protected ground water					
				Unprotected ground water					Unprotected ground water					Unprotected ground water					
				Protected wells or springs					Protected wells or springs					Protected wells or springs					
				Private					Private					Private					
				Public					Public					Public					
				Other					Other					Other					
				Unprotected wells or springs					Unprotected wells or springs					Unprotected wells or springs					
				Private					Private					Private					
				Public					Public					Public					
				Other					Other					Other					
				<b>All wells</b>					<b>All wells</b>					<b>All wells</b>					
				Private					Private					Private					
				Public					Public					Public					
				Other					Other					Other					
				Tubewell, borehole					Tubewell, borehole					Tubewell, borehole					
				Private					Private					Private					
				Public					Public					Public					
				Other					Other					Other					
				<b>Traditional wells</b>					<b>Traditional wells</b>					<b>Traditional wells</b>					
				Private					Private					Private					
				Public					Public					Public					
				Other					Other					Other					
				Protected well					Protected well					Protected well					
				Private					Private					Private					
				Public					Public					Public					
				Other					Other					Other					
				Unprotected well					Unprotected well					Unprotected well					
				Private					Private					Private					
				Public					Public					Public					
				Other					Other					Other					
				<b>All springs</b>					<b>All springs</b>					<b>All springs</b>					
				Private					Private					Private					
				Public					Public					Public					
				Other					Other					Other					
				Protected spring					Protected spring					Protected spring					
				Private					Private					Private					
				Public					Public					Public					
				Other					Other					Other					
				Unprotected spring					Unprotected spring					Unprotected spring					
				Private					Private					Private					
				Public					Public					Public					
				Other					Other					Other					
				<b>Rainwater</b>					<b>Rainwater</b>					<b>Rainwater</b>					
				Covered cistern/tank					Covered cistern/tank					Covered cistern/tank					
				Uncovered cistern/tank					Uncovered cistern/tank					Uncovered cistern/tank					
				<b>Bottled water</b>					<b>Bottled water</b>					<b>Bottled water</b>					
				with other improved					with other improved					with other improved					
				without other improved					without other improved					without other improved					
				<b>Surface water</b>					<b>Surface water</b>					<b>Surface water</b>					
				River					River					River					
				Lake					Lake					Lake					
				Dam					Dam					Dam					
				Pond					Pond					Pond					
				Stream					Stream					Stream					
				Irrigation channel					Irrigation channel					Irrigation channel					
				Other					Other					Other					
0.8	26.8			<b>Other improved sources</b>	0.8	26.2			<b>Other improved sources</b>	0.7	25.8			<b>Other improved sources</b>	0.7	25.8			
0.6	24.6		Small-Scale Waterworks	Other	0.6	23.7		Small-Scale Waterworks	Other	0.6	23.3			Other	0.6	23.3			
0.2	2.2		Exclusive Waterworks	Other	0.2	2.5		Exclusive Waterworks	Other	0.1	2.6			Other	0.1	2.6			
1.3	20.3			<b>Other non-improved</b>	1.1	18.0			<b>Other non-improved</b>	0.9	17.1			<b>Other non-improved</b>	0.9	17.1			
				Cart with small tank/drum					Cart with small tank/drum					Cart with small tank/drum					
				Tanker truck provided					Tanker truck provided					Tanker truck provided					
1.3	20.3		Others	Other	1.1	18.0		Others	Other	0.9	17.1			Other	0.9	17.1			
				Other					Other					Other					
				<b>DK/missing</b>					<b>DK/missing</b>					<b>DK/missing</b>					
100.0	100.0			<b>Total</b>	100.0	100.0			<b>Total</b>	100.0	100.0			<b>Total</b>	100.0	100.0			
			Calculations					Calculations					Calculations						
			Estimations					Estimations					Estimations						
99%	80%		Access to improved drinking water sources :				99%	82%	Access to improved drinking water sources :				99%	83%					
98%	53%		Access to house connections :				98%	56%	Access to house connections :				98%	57%					
Yes	Yes		Used for the estimates:				Yes	Yes	Used for the estimates:				Yes	Yes					
Yes	Yes		Used for the estimates:				Yes	Yes	Used for the estimates:				Yes	Yes					
100%	100%		Ratios	HC / Tap water	100%	100%		Ratios	HC / Tap water	100%	100%		Ratios	HC / Tap water	100%	100%			
				Public tap / Tap water					Public tap / Tap water						Public tap / Tap water				
				Tubewell + protected well / All wells					Tubewell + protected well / All wells						Tubewell + protected well / All wells				
				Protected wells / Traditional wells					Protected wells / Traditional wells						Protected wells / Traditional wells				
				Tubewell / All wells					Tubewell / All wells						Tubewell / All wells				
				Protected springs / All springs					Protected springs / All springs						Protected springs / All springs				
				Protect. well & spring / well & spring					Protect. well & spring / well & spring						Protect. well & spring / well & spring				
			Number of people covered by the census:				Number of people covered by the census:				Number of people covered by the census:								
			Number of households covered by the census:				Number of households covered by the census:				Number of households covered by the census:								
39513	9339		Total population:				39686	9367	Total population:				40138	9109					
			Comments					Comments					Comments						

Access to drinking water sources		CEN06		Republic of Korea		
National Census				2006		
Original denomination	Classification	Urban	Rural	Total		
	<b>Tap water</b>	98.1	59.2			
General Waterworks	House connections	98.1	59.2			
	Piped water into dwelling					
	Piped water to yard/plot					
	Public tap, standpipe					
	Other					
	<b>Ground water</b>					
	Protected ground water					
	Unprotected ground water					
	Protected wells or springs					
	Private					
	Public					
	Other					
	Unprotected wells or springs					
	Private					
	Public					
	Other					
	<b>All wells</b>					
	Private					
	Public					
	Other					
	Tubewell, borehole					
	Private					
	Public					
	Other					
	<b>Traditional wells</b>					
	Private					
	Public					
	Other					
	Protected well					
	Private					
	Public					
	Other					
	Unprotected well					
	Private					
	Public					
	Other					
	<b>All springs</b>					
	Private					
	Public					
	Other					
	Protected spring					
	Private					
	Public					
	Other					
	Unprotected spring					
	Private					
	Public					
	Other					
	<b>Rainwater</b>					
	Covered cistern/tank					
	Uncovered cistern/tank					
	<b>Bottled water</b>					
	with other improved					
	without other improved					
	<b>Surface water</b>					
	River					
	Lake					
	Dam					
	Pond					
	Stream					
	Irrigation channel					
	Other					
	<b>Other improved sources</b>	0.9	26.3			
Small-Scale Waterworks	Other	0.8	23.2			
Exclusive Waterworks	Other	0.1	3.1			
	<b>Other non-improved</b>	1.0	14.6			
	Cart with small tank/drum					
	Tanker truck provided					
Others	Other	1.0	14.6			
	Other					
	<b>DK/missing</b>					
	<b>Total</b>	100.0	100.0			
<b>Calculations</b>						
<b>Estimations</b>						
<b>Access to improved drinking water sources :</b>		<b>99%</b>	<b>85%</b>			
<b>Access to house connections :</b>		<b>98%</b>	<b>59%</b>			
Used for the estimates:		Yes	Yes			
Used for the estimates:		Yes	Yes			
<b>Ratios</b>	HC / Tap water	100%	100%			
	Public tap / Tap water					
	Tubewell + protected well / All wells					
	Protected wells / Traditional wells					
	Tubewell / All wells					
	Protected springs / All springs					
	Protect. well & spring / well & spring					
Number of people covered by the census:						
Number of households covered by the census:						
Total population:		40817	8816			
<b>Comments</b>						

Republic of Korea			DRINKING WATER							
			URBAN				RURAL			
			House connection		Total		House connection		Total	
Source	Code	Year	Used	Not used	Used	Not used	Used	Not used	Used	Not used
Census	CEN97	1997	95.7		97.0		39.2		71.4	
Global Water Supply and Sanitation Assessment 2000.	JMP99	1999		95.7		97.0		39.2		71.4
National Census	CEN00	2000	97.3		98.3		46.3		74.6	
National Census	CEN01	2001	97.6		98.5		48.4		76.1	
National Census	CEN02	2002	97.9		98.7		51.5		78.6	
National Census	CEN03	2003	98.0		98.7		52.9		79.7	
National Census	CEN04	2004	98.2		98.9		55.8		82.0	
National Census	CEN05	2005	98.3		99.1		57.1		82.9	
National Census	CEN06	2006	98.1		99.0		59.2		85.4	

# Korea, Rep of - urban - Use of improved drinking water sources



# Korea, Rep of - rural - Use of improved drinking water sources

