

WHO / UNICEF

Joint Monitoring Programme
for Water Supply and Sanitation

Estimates for the use of

**Improved Drinking-Water Sources
and Improved Sanitation Facilities**

Updated March 2010

childinfo.org

Use of sanitation facilities		DHS92			Malawi			Use of sanitation facilities		MICS95			Malawi		
Demographic and Household Survey					1992			Multiple Indicator Cluster Survey					1995		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Flush and pour flush	14.0	0.6			Flush and pour flush	9.9	0.6							
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank	2.7	0.3							
	to pit					to pit	7.2	0.3							
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Flush/toilets	14.0	0.6			Flush/toilets	9.9	0.6							
	to piped sewer system				Flush to Sewage System	to piped sewer system									
	to septic tank				Flush to Septic Tank	to septic tank	2.7	0.3							
	to pit					to pit	7.2	0.3							
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
Own Flush	Private flush/toilet	11.6	0.3			Private flush/toilet									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
Shared Flush	Public/shared flush/toilet	2.4	0.3			Public/shared flush/toilet									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Latrines	82.9	68.5			Latrines	86.5	75.2							
	Pour flush latrines					Pour flush latrines									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Private pour flush latrine					Private pour flush latrine									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Public/shared pour flush latrine					Public/shared pour flush latrine									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Dry latrines	82.9	68.5			Dry latrines	86.5	75.2							
	Improved latrines	1.2	0.6			Improved latrines	13.1	3.5							
Ventilated Improved Pit Latrine (VIP)	Ventilated Improved Pit latrine	1.2	0.6		VIP Latrine	Ventilated Improved Pit latrine	2.9	0.3							
	Pit latrine with slab/covered latrine				Latrine with Sanplat	Pit latrine with slab/covered latrine	10.2	3.2							
Traditional Pit Latrine	Traditional latrine	81.7	67.9		Simple Pit	Traditional latrine	73.4	71.7							
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other					Other									
	Private Latrines					Private Latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine					Traditional latrine									
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other					Other									
	Public/shared Latrines					Public/shared Latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine					Traditional latrine									
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other					Other									
	Composting toilets					Composting toilets									
	Composting toilet (private)					Composting toilet (private)									
	Composting toilet (shared)					Composting toilet (shared)									
	Other improved					Other improved									
	Other					Other									
	Other					Other									
No Facilities/Bush	No facility, bush, field	3.1	30.8		No facility	No facility, bush, field	3.6	24.1							
	Other unimproved					Other unimproved									
	Other					Other									
	Other					Other									
Unknown/Missing	DK/missing information	0.1	0.0			DK/missing information									
	Total	100.1	99.9			Total	100.0	99.9							
Calculations					Calculations										
Estimations	Traditional pit latrines considered improved based on WHS03	76.9	61.6		Estimations	Traditional pit latrines considered improved based on WHS03	69.1	65.0							
	SC, based on MICS95	3.8	0.3												
Access to improved sanitation : 92% 63%					Access to improved sanitation : 92% 69%										
Access to sewerage connections : 4% 0%					Access to sewerage connections : 3% 0%										
Used for the estimates Yes Yes					Used for the estimates Yes Yes										
Used for the estimates Yes Yes					Used for the estimates Yes Yes										
Ratios	Shared improved facilities/all improved facilities				Ratios	Shared improved facilities/all improved facilities									
	Improved latrine / All latrines	1%	1%			Improved latrine / All latrines	15%	5%							
	Covered dry latrines / All dry latrines					Covered dry latrines / All dry latrines	12%	4%							
	VIP / All latrines	1%	1%			VIP / All latrines	3%	0%							
	Traditional latrines / All latrines	99%	99%			Traditional latrines / All latrines	85%	95%							
	Improved + traditional latrines / All latrines	100%	100%			Improved + traditional latrines / All latrines	100%	100%							
	Sewerage connection among flush/pour flush					Sewerage connection among flush/pour flush	27.3	50.0							
	Sewerage connection among flush					Sewerage connection among flush	27.3	50.0							
	Number of people covered by the survey					Number of people covered by the survey									
	Number of households covered by the survey					Number of households covered by the survey									
	Total population					Total population									
Comments					Comments										

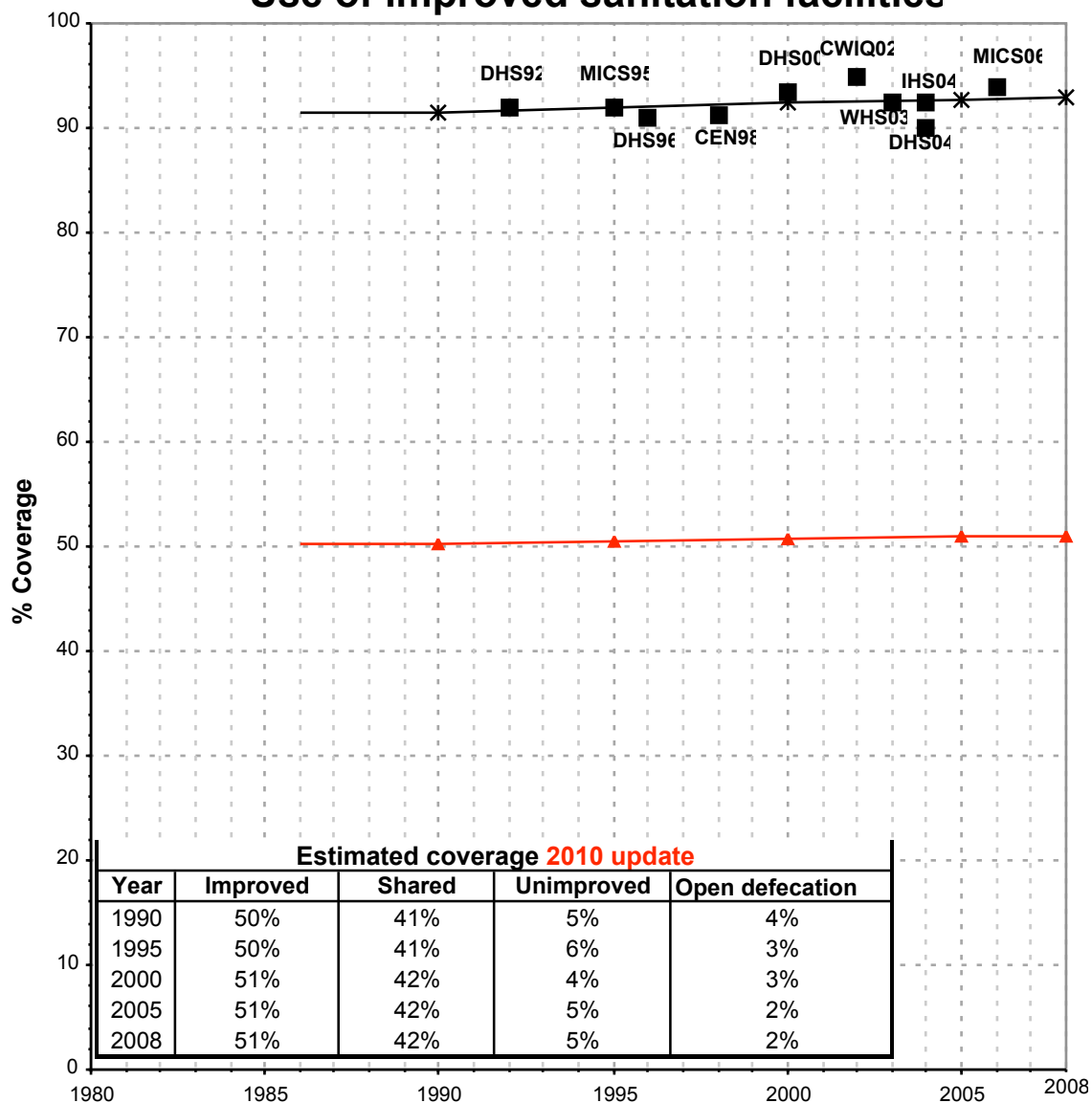
Use of sanitation facilities		DHS96			Malawi			Use of sanitation facilities		JMP99			Malawi		
Demographic and Household Survey					Global Water Supply and Sanitation Assessment 2000.					Water Supply and Sanitation Sector Questionnaire - 1999. Form 6 sent to WHO.					
					1996								1999		
Original denomination	Classification				Urban	Rural	Total	Original denomination	Classification				Urban	Rural	Total
	Flush and pour flush				15.9	0.4		Population served with household connections to conventional sewerage	Flush and pour flush				7.3	0.0	
	to piped sewer system								to piped sewer system						
	to septic tank								to septic tank						
	to pit								to pit						
	to unknown place/ not sure/DK								to unknown place/ not sure/DK						
	to elsewhere								to elsewhere						
	Flush/toilets				15.9	0.4			Flush/toilets						
	to piped sewer system								to piped sewer system						
	to septic tank								to septic tank						
	to pit								to pit						
	to unknown place/ not sure/DK								to unknown place/ not sure/DK						
	to elsewhere								to elsewhere						
Own Flush	Private flush/toilet				13.7	0.4			Private flush/toilet						
	to piped sewer system								to piped sewer system						
	to septic tank								to septic tank						
	to pit								to pit						
	to unknown place/ not sure/DK								to unknown place/ not sure/DK						
	to elsewhere								to elsewhere						
Shared Flush	Public/shared flush/toilet				2.2	0.0			Public/shared flush/toilet						
	to piped sewer system								to piped sewer system						
	to septic tank								to septic tank						
	to pit								to pit						
	to unknown place/ not sure/DK								to unknown place/ not sure/DK						
	to elsewhere								to elsewhere						
	Latrines				79.8	65.5			Latrines						
	Pour flush latrines								Pour flush latrines						
	to piped sewer system								to piped sewer system						
	to septic tank								to septic tank						
	to pit								to pit						
	to unknown place/ not sure/DK								to unknown place/ not sure/DK						
	to elsewhere								to elsewhere						
	Private pour flush latrine								Private pour flush latrine						
	to piped sewer system								to piped sewer system						
	to septic tank								to septic tank						
	to pit								to pit						
	to unknown place/ not sure/DK								to unknown place/ not sure/DK						
	to elsewhere								to elsewhere						
	Public/shared pour flush latrine								Public/shared pour flush latrine						
	to piped sewer system								to piped sewer system						
	to septic tank								to septic tank						
	to pit								to pit						
	to unknown place/ not sure/DK								to unknown place/ not sure/DK						
	to elsewhere								to elsewhere						
	Dry latrines				79.8	65.5			Dry latrines						
	Improved latrines				2.0	0.2			Improved latrines						
VIP	Ventilated Improved Pit latrine				2.0	0.2			Ventilated Improved Pit latrine						
	Pit latrine with slab/covered latrine								Pit latrine with slab/covered latrine						
Traditional Pit Latrine	Traditional latrine				77.8	65.3			Traditional latrine						
	Pit latrine without slab/open pit								Pit latrine without slab/open pit						
	Hanging toilet/hanging latrine								Hanging toilet/hanging latrine						
	Bucket latrine								Bucket latrine						
	Other								Other						
	Private Latrines								Private Latrines						
	Ventilated Improved Pit latrine								Ventilated Improved Pit latrine						
	Pit latrine with slab/covered latrine								Pit latrine with slab/covered latrine						
	Traditional latrine								Traditional latrine						
	Pit latrine without slab/open pit								Pit latrine without slab/open pit						
	Hanging toilet/hanging latrine								Hanging toilet/hanging latrine						
	Bucket latrine								Bucket latrine						
	Other								Other						
	Public/shared Latrines								Public/shared Latrines						
	Ventilated Improved Pit latrine								Ventilated Improved Pit latrine						
	Pit latrine with slab/covered latrine								Pit latrine with slab/covered latrine						
	Traditional latrine								Traditional latrine						
	Pit latrine without slab/open pit								Pit latrine without slab/open pit						
	Hanging toilet/hanging latrine								Hanging toilet/hanging latrine						
	Bucket latrine								Bucket latrine						
	Other								Other						
	Composting toilets								Composting toilets						
	Composting toilet (private)								Composting toilet (private)						
	Composting toilet (shared)								Composting toilet (shared)						
	Other improved							Population without household connections but served	Other improved				36.9	47.7	
	Other								Other						
	Other								Other						
No Facilities/Bush	No facility, bush, field				4.3	33.5		Total population unserved	No facility, bush, field						
	Other unimproved				0.1	0.1			Other unimproved				55.9	52.3	
Other	Other				0.1	0.1			Other						
	Other								Other						
Unknown/ Missing	DK/missing information				0.1	0.4			DK/missing information						
	Total				100.2	99.9			Total				92.7	100.0	
Calculations								Calculations							
Estimations	Traditional pit latrines considered improved based on WHS03				73.2	59.2									
	SC, based on MICS95				4.3	0.2									
Access to improved sanitation : 91% 60%					Access to improved plus shared sanitation: 44% 48%										
Access to sewerage connections : 4% 0%					Access to sewerage connections : 7% 0%										
Used for the estimates					Yes	Yes		Used for the estimates					No	No	
Used for the estimates					Yes	Yes		Used for the estimates					No	No	
Ratios	Shared improved facilities/all improved facilities				3%	0%		Ratios	Shared improved facilities/all improved facilities						
	Improved latrine / All latrines								Improved latrine / All latrines						
	Covered dry latrines / All dry latrines								Covered dry latrines / All dry latrines						
	VIP / All latrines				3%	0%			VIP / All latrines						
	Traditional latrines / All latrines				97%	100%			Traditional latrines / All latrines						
	Improved + traditional latrines / All latrines				100%	100%			Improved + traditional latrines / All latrines						
Sewerage connection among flush/pour flush							Sewerage connection among flush								
Sewerage connection among flush							Sewerage connection among flush								
Number of people covered by the survey:							Number of people covered by the survey:								
Number of households covered by the survey:							Number of households covered by the survey:								
Total population:							Total population:				1708	8298			
Comments								Comments							

Use of sanitation facilities		DHS00			Malawi			Use of sanitation facilities		CWIQ02			Malawi		
Demographic and Household Survey					2000			CWIQ					2002		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Flush and pour flush	16.4	0.7			Flush and pour flush	11.9	0.9							
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Flush/toilets	16.4	0.7		Flush Toilet	Flush/toilets	11.9	0.9							
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
Own Flush Toilet	Private flush/toilet	16.4	0.7			Private flush/toilet									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Public/shared flush/toilet					Public/shared flush/toilet									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Latrines	81.8	78.0			Latrines	87.1	85.2							
	Pour flush latrines					Pour flush latrines									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Private pour flush latrine					Private pour flush latrine									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Public/shared pour flush latrine					Public/shared pour flush latrine									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Dry latrines	81.8	78.0			Dry latrines	87.1	85.2							
	Improved latrines					Improved latrines	16.4	9.7							
	Ventilated Improved Pit latrine				VIP Latrine	Ventilated Improved Pit latrine	0.6	0.2							
	Pit latrine with slab/covered latrine				Covered pit latrine	Pit latrine with slab/covered latrine	15.8	9.5							
	Traditional latrine	81.8	78.0		Uncovered pit latrine	Traditional latrine	70.7	75.5							
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other					Other									
	Private Latrines	81.8	78.0			Private Latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine	81.8	78.0			Traditional latrine									
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other					Other									
	Public/shared Latrines					Public/shared Latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine					Pit latrine with slab/covered latrine									
	Traditional latrine					Traditional latrine									
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other					Other									
	Composting toilets					Composting toilets									
	Composting toilet (private)					Composting toilet (private)									
	Composting toilet (shared)					Composting toilet (shared)									
	Other improved					Other improved									
	Other					Other									
	Other					Other									
No Facilities/Bush	No facility, bush, field	1.8	21.2		No Facilities/Bush	No facility, bush, field	1.1	13.8							
	Other unimproved					Other unimproved									
	Other					Other									
	Other					Other									
Missing	DK/missing information	0.0	0.1		Missing	DK/missing information	0.0	0.1							
	Total	100.0	100.0			Total	100.1	100.0							
Calculations					Calculations										
Estimations	Traditional pit latrines considered improved based on WHS03	77.0	70.7		Estimations	Traditional pit latrines considered improved based on WHS03	66.5	68.5							
	SC, based on WHS03	3.4	0.5			SC, based on WHS03	2.5	0.6							
Access to improved sanitation :		93%	71%		Access to improved sanitation :		95%	79%							
Access to sewerage connections :		3%	1%		Access to sewerage connections :		2%	1%							
Used for the estimates		Yes	Yes		Used for the estimates		Yes	Yes							
Used for the estimates		Yes	Yes		Used for the estimates		Yes	Yes							
Ratios	Shared improved facilities/all improved facilities	41.0%	33.8%		Ratios	Shared improved facilities/all improved facilities	56.3%	23.3%							
	Improved latrine / All latrines					Improved latrine / All latrines	19%	11%							
	Covered dry latrines / All dry latrines					Covered dry latrines / All dry latrines	18%	11%							
	VIP / All latrines					VIP / All latrines	1%	0%							
	Traditional latrines / All latrines	100%	100%			Traditional latrines / All latrines	81%	89%							
	Improved + traditional latrines / All latrines					Improved + traditional latrines / All latrines	100%	100%							
Sewerage connection among flush/pour flush				Sewerage connection among flush/pour flush											
Sewerage connection among flush				Sewerage connection among flush											
Number of people covered by the survey:					Number of people covered by the survey:										
Number of households covered by the survey:					Number of households covered by the survey:										
Total population:					Total population:										
Comments					Comments										

Use of sanitation facilities		WHS03			Malawi			Use of sanitation facilities		DHS04			Malawi		
World Health Survey					2003			Demographic and Household Survey					2004		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
	Flush and pour flush	7.2	1.3			Flush and pour flush	16.2	0.8							
	to piped sewer system	1.5	0.9			to piped sewer system									
	to septic tank	5.5	0.3			to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Flush/toilets	7.0	1.2		Flush Toilet	Flush/toilets	16.2	0.8							
	to piped sewer system	1.5	0.9			to piped sewer system									
	to septic tank	5.5	0.3			to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
Private domestic connection to sewerage system	Private flush/toilet	6.3	0.9			Private flush/toilet									
Private flush to septic tank	to piped sewer system	1.5	0.6			to piped sewer system									
	to septic tank	4.8	0.3			to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Public/shared flush/toilet	0.7	0.3			Public/shared flush/toilet									
Shared domestic connection to sewerage system	to piped sewer system	0.0	0.3			to piped sewer system									
Shared flush to septic tank	to septic tank	0.7	0.0			to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Latrines	90.8	82.9			Latrines	78.4	80.9							
	Pour flush latrines	0.2	0.1			Pour flush latrines									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
Private pour flush latrine	Private pour flush latrine	0.1	0.1			Private pour flush latrine									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
Shared pour flush latrine	Public/shared pour flush latrine	0.1	0.0			Public/shared pour flush latrine									
	to piped sewer system					to piped sewer system									
	to septic tank					to septic tank									
	to pit					to pit									
	to unknown place/ not sure/DK					to unknown place/ not sure/DK									
	to elsewhere					to elsewhere									
	Dry latrines	90.7	82.8			Dry latrines	78.4	80.9							
	Improved latrines	85.3	75.1		VIP	Improved latrines	2.3	0.9							
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
	Pit latrine with slab/covered latrine	85.3	75.1		Traditional Pit Latrine	Pit latrine with slab/covered latrine									
	Traditional latrine					Traditional latrine	76.1	80.0							
Uncovered dry latrine (without privacy)	Pit latrine without slab/open pit	5.4	7.6			Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
Bucket latrine (where fresh excreta are manually removed)	Bucket latrine	0.0	0.1			Bucket latrine									
	Other					Other									
	Private Latrines	45.8	58.4			Private Latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
Private covered dry latrine (with privacy)	Pit latrine with slab/covered latrine	45.8	58.4			Pit latrine with slab/covered latrine									
	Traditional latrine					Traditional latrine									
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other					Other									
	Public/shared Latrines	39.5	16.7			Public/shared Latrines									
	Ventilated Improved Pit latrine					Ventilated Improved Pit latrine									
Shared covered dry latrine (with privacy)	Pit latrine with slab/covered latrine	39.5	16.7			Pit latrine with slab/covered latrine									
	Traditional latrine					Traditional latrine									
	Pit latrine without slab/open pit					Pit latrine without slab/open pit									
	Hanging toilet/hanging latrine					Hanging toilet/hanging latrine									
	Bucket latrine					Bucket latrine									
	Other					Other									
	Composting toilets					Composting toilets									
	Composting toilet (private)					Composting toilet (private)									
	Composting toilet (shared)					Composting toilet (shared)									
	Other improved					Other improved									
	Other					Other									
	Other					Other									
No facilities (open defecation)	No facility, bush, field	1.1	15.4		No Facilities/Bush	No facility, bush, field	5.2	18.2							
	Other unimproved	1.1	0.5			Other unimproved									
Other	Other	1.1	0.5			Other									
	Other					Other									
	DK/missing information				Unknown/ Missing	DK/missing information	0.2	0.0							
	Total	100.0	100.0			Total	100.0	99.9							
Calculations					Calculations										
Estimations					Estimations	Traditional pit latrines considered improved based on WHS03	71.6	72.6							
						SC, based on WHS03	3.4	0.6							
Access to improved sanitation :		92%	76%		Access to improved sanitation :		90%	74%							
Access to sewerage connections :		1%	1%		Access to sewerage connections :		3%	1%							
Used for the estimates		Yes	Yes		Used for the estimates		Yes	Yes							
Used for the estimates		Yes	Yes		Used for the estimates		Yes	Yes							
Ratios	Shared improved facilities/all improved facilities	43.6%	22.3%		Ratios	Shared improved facilities/all improved facilities	37.6%	34.5%							
	Improved latrine / All latrines	94%	91%			Improved latrine / All latrines	3%	1%							
	Covered dry latrines / All dry latrines	94%	91%			Covered dry latrines / All dry latrines									
	VIP / All latrines					VIP / All latrines	3%	1%							
	Traditional latrines / All latrines					Traditional latrines / All latrines	97%	99%							
	Improved + traditional latrines / All latrines					Improved + traditional latrines / All latrines	100%	100%							
	Sewerage connection among flush/pour flush	20.8	72.0			Sewerage connection among flush/pour flush									
Sewerage connection among flush	21.3	78.3		Sewerage connection among flush											
	Number of people covered by the survey:					Number of people covered by the survey:									
	Number of households covered by the survey:					Number of households covered by the survey:									
	Total population:					Total population:									
Comments					Comments										

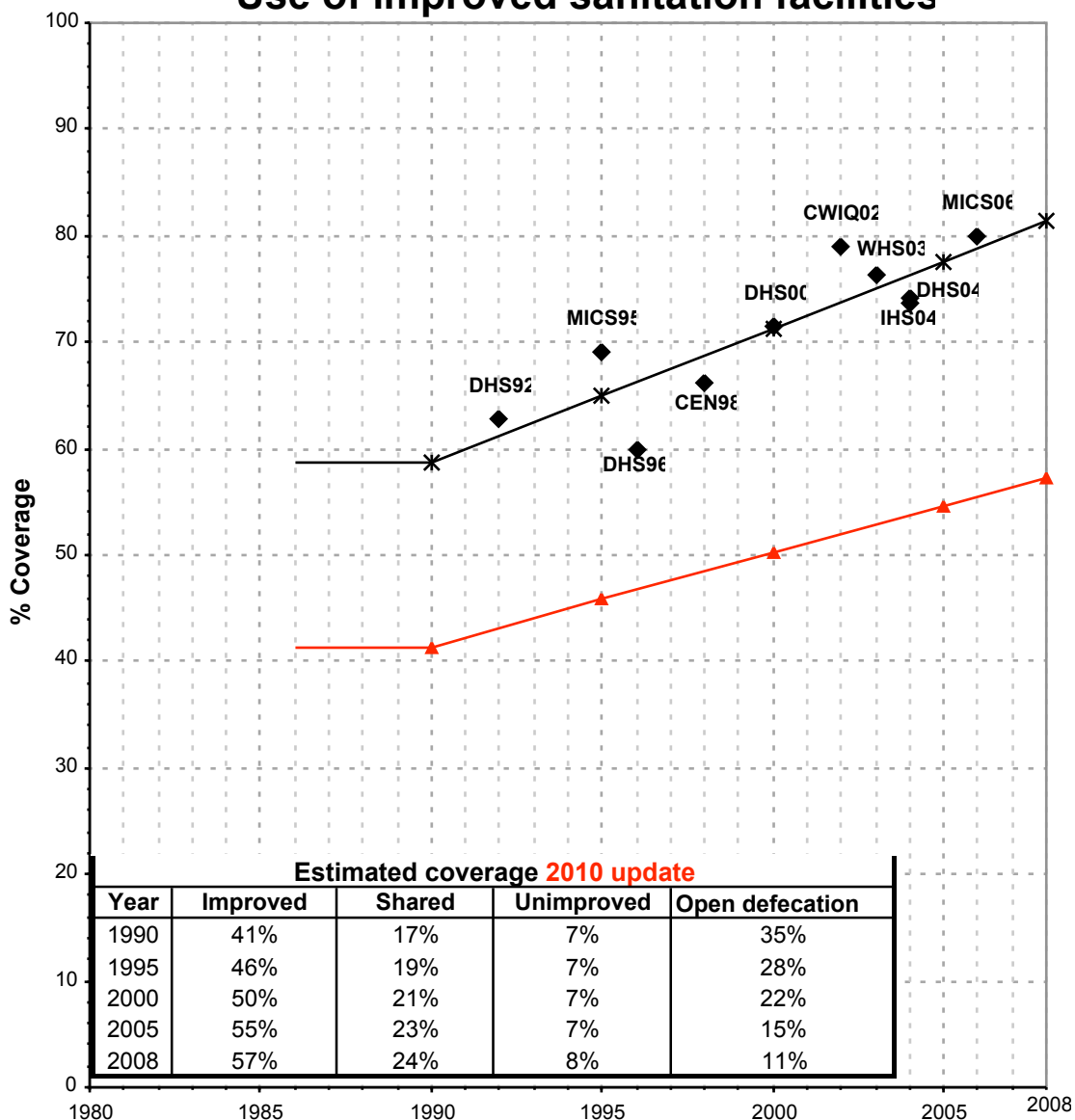
Malawi			SANITATION															
			URBAN								RURAL							
			Sewer connection		Total		Open defecation		Shared		Sewer connection		Total		Open defecation		Shared	
Source	Code	Year	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used	Used	Not used
Demographic and Household Survey	DHS92	1992	3.8		92.1		3.1				0.3		62.8		30.8			
Multiple Indicator Cluster Survey	MICS95	1995	2.7		92.1		3.6				0.3		69.1		24.1			
Demographic and Household Survey	DHS96	1996	4.3		91.1		4.3				0.2		59.8		33.5			
Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999. Form 6 sent to WHO.	JMP99	1999		7.3		44.1					0.0		47.7					
Demographic and Household Survey	DHS00	2000	3.4		93.4		1.8		41.0		0.5		71.4		21.2		33.8	
CWIQ	CWIQ02	2002	2.5		94.8		1.1		56.3		0.6		79.1		13.8		23.3	
World Health Survey	WHS03	2003	1.5		92.5		1.1		43.5		0.9		76.4		15.4		22.3	
Demographic and Household Survey	DHS04	2004	3.4		90.1		5.2		37.5		0.6		74.3		18.2		34.5	
Multiple Indicator Cluster Survey	MICS06	2006	1.2		93.8		2.4		47.4		0.1		80.0		12.7		33.6	
INTEGRATED HOUSEHOLD SURVEY	IHS97	1997																
INTEGRATED HOUSEHOLD SURVEY (Question on previous year)	IHS97b	1996																
INTEGRATED HOUSEHOLD SURVEY	IHS04	2004			92.4			2.9					73.6		18.9			
Welfare Monitoring Survey	WMS05	2005												30.0				
Welfare Monitoring Survey	WMS05	2007				79.0								43.0				
Population and Housing Census	CEN98	1998			91.1		4.4						66.1		27.3			

Malawi - urban - Use of improved sanitation facilities



■ Used for the estimates ✱ Estimates ▲ JMP 2010 estimate

Malawi - rural - Use of improved sanitation facilities



◆ Used for the estimates *— Estimates ▲ JMP 2010 estimate

Sanitation

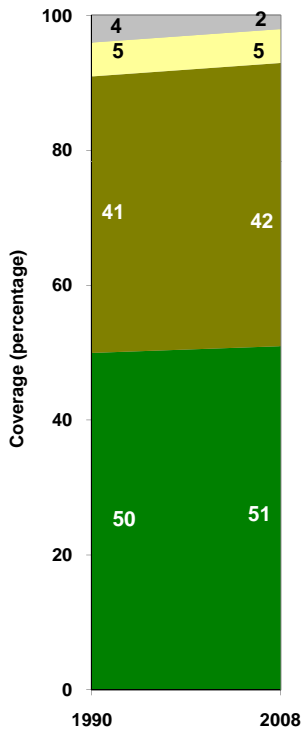
Malawi	Sanitation coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1990	2008	1990	2008	1990	2008
Improved facilities	50	51	41	57	42	56
Shared facilities	41	42	17	24	20	27
Unimproved facilities	5	5	7	8	7	8
Open defecation	4	2	35	11	31	9

Source: WHO/UNICEF JMP, 2010

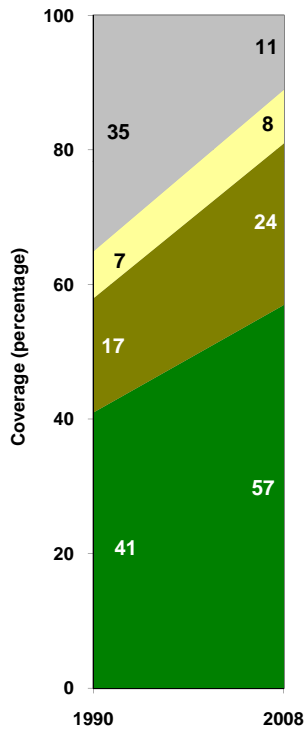
Malawi	Urban		Rural		Total	
	1990	2008	1990	2008	1990	2008
Population (x1000)	1,093	2,785	8,359	12,061	9,451	14,846

Source: UN / Population Division, 2008

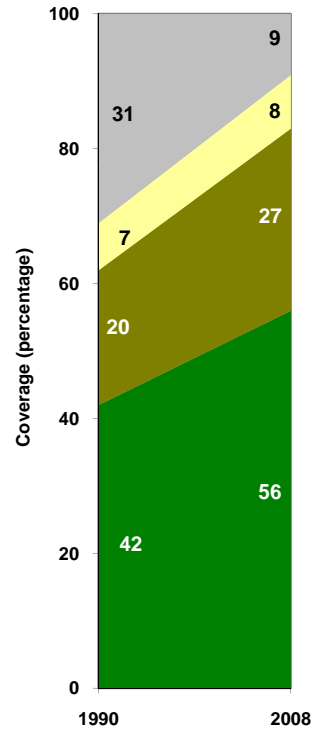
Urban sanitation trends



Rural sanitation trends



Total sanitation trends



- Open defecation
- Unimproved facilities
- Shared facilities
- Improved facilities

- Open defecation
- Unimproved facilities
- Shared facilities
- Improved facilities

- Open defecation
- Unimproved facilities
- Shared facilities
- Improved facilities