

**Statistical Annex**  
**to**  
**Iraq Watching Brief**

**Graphs showing**  
**Governorate-level data**

**Data source: Iraq Multiple Indicator Cluster Survey 2000, Central Statistical Organization & UNICEF, Baghdad December 2001**



## IRAQ – GOVERNORATE DATA

The purpose of this note is to briefly present selected data on governorate in Iraq on mortality, nutrition, health, education and working children, using primarily the MICS 2000 survey results. The Child and Maternal Mortality survey of 1999 provides the under-five mortality rate (U5MR) data.

### **Description of data**

The attached bar charts present data at governorate level for a selected set of indicators (first 13 charts). The last four charts are composite indicators, used in an attempt to show differences between governorates for a combined set of indicators – four options are shown.

So as to make the comparison between governorates easier, the sequencing of governorates is the same across charts, and is ordered from north to south in each chart. The map at the end of this note identifies the governorates (though with different spelling of names).

### *Single indicators*

The U5MR chart shows that the northeastern most governorates, as a group of three, have lower mortality than all other governorates. A similar situation shows for underweight (moderate and severe), where these three governorates have much lower proportions of under-fives underweight. Iodized salt also shows a much higher level of coverage in the northern three governorates. The situation for vitamin A is not quite so striking. There is also some evidence of a better situation for improved water in the northern three governorates. For other indicators, specific patterns are unclear.

### *Composite indicators*

These four composite indicators (with green bars) are simple derivations from the single indicators. In order to provide a % value for U5MR, an upper bound of 200 has been taken for U5MR and all governorate values recalculated in terms of this limit, plus inverting the indicator into a survival indicator. In addition, the underweight and working children indicators are inverted into positive indicators (of lack of underweight and not working children).

What shows up strongly (in the U5MR+UNWT composite) is that the three northern governorates are much better off than the other governorates in Iraq. This is the main feature that shows up in all the remaining composite indicators, except the last one.

<b>Contents - graphs</b>	
<i>Title</i>	<i>Graph #</i>
<b>Under-five mortality rate</b>	<b>1</b>
<b>Net primary school attendance ratio</b>	<b>2</b>
<b>Reaching grade 5 (from grade 1)</b>	<b>3</b>
<b>Improved drinking water coverage</b>	<b>4</b>
<b>Improved sanitation coverage</b>	<b>5</b>
<b>Malnourished children (mod. &amp; severe underweight)</b>	<b>6</b>
<b>Iodized salt (15ppm and greater)</b>	<b>7</b>
<b>Vitamin A capsule in last 6 months (under 5s)</b>	<b>8</b>
<b>DPT3 coverage (12-23 months)</b>	<b>9</b>
<b>Diarrhoea in last two weeks (under 5s)</b>	<b>10</b>
<b>Children with diarrhoea who took increased fluids &amp; continued to feed</b>	<b>11</b>
<b>Births attended by skilled health personnel</b>	<b>12</b>
<b>Children 5-14 years of age currently working</b>	<b>13</b>
<b>Composite (U5MR and UNWT)</b>	<b>14</b>
<b>Composite (U5MR +UNWT+Psattend)</b>	<b>15</b>
<b>Composite (U5MR+UNWT+WATER+VITA+DPT3)</b>	<b>16</b>
<b>Composite (U5MR+UNWT+PSattend+BIRTHCARE+WRKGCHILD)</b>	<b>17</b>

## IRAQ - governorate data from MICS 2000 and CMM 1999 surveys

Table -->		T10	T11	T12	T13	T14	T15	T16	T17	T18	T22	T22	T24	T24	T25	T25	T26	T36	T38	T39	T41	T42	
Orig	Redo Governorate	U5MR	RG5	PSAttend	Literate	Drnkwater	Sanitation	Unwt2sd	ExclBFu4	Iodsalt	VitAin6	DPT3	Measles	Diarhinl2	Incfcdg	ARlinl2	Anyapp	Illnessl2	Usingacm	Antnlcare	Delvycare	1or2pardd	Wrkngchld
1	1 Dohouk	82	92	80	63	96	95	7	11	93	36	75	90	22	33	9	71	37	15	60	71	5	10
5	2 Erbil	75	88	81	63	92	92	7	8	88	28	84	91	41	14	14	59	62	34	75	70	3	15
3	3 Suleimaniya	59	89	85	62	90	94	7	32	72	33	82	89	23	12	12	67	49	59	83	58	4	8
2	4 Neneva	131	86	66	76	83	94	14	47	42	7	69	68	18	18	7	75	37	31	74	70	5	14
4	5 Ta'amem	103	96	78	77	85	95	17	22	33	5	65	79	12	20	2	89	17	55	64	45	4	22
7	6 Anbar	107	85	70	70	80	97	14	38	26	1	72	78	22	25	9	79	42	54	86	79	3	16
8	7 Baghdad	110	89	85	83	94	98	18	2	31	6	74	83	21	32	5	100	46	55	79	72	3	6
6	8 Diala	152	87	79	75	78	95	15	12	35	17	70	85	11	24	4	67	18	43	68	84	3	12
12	9 Salahaideen	146	92	71	72	67	84	15	15	33	19	51	68	14	21	3	80	21	37	76	66	4	34
11	10 Wasit	159	90	66	66	64	82	22	27	20	12	64	71	22	13	7	77	38	43	63	58	3	21
9	11 Babylon	137	83	79	75	74	84	20	10	22	5	59	67	15	6	5	60	30	45	72	63	3	24
10	12 Kerbela	114	91	75	72	78	88	20	20	20	6	63	73	25	22	10	68	46	46	75	86	4	19
15	13 Muthanna	111	81	61	63	64	81	20	6	27	27	51	75	19	11	7	77	32	32	81	56	5	18
13	14 Najaf	138	80	78	77	85	93	18	3	10	3	50	73	19	17	4	67	35	47	86	92	2	11
14	15 Qadisiya	152	94	65	67	65	77	17	5	27	19	55	63	17	20	5	79	27	26	82	88	3	17
18	16 Basra	135	89	84	77	90	99	20	7	31	18	80	87	25	18	8	86	39	43	83	88	3	10
17	17 Maysan	130	86	57	62	68	88	23	0	23	4	62	70	22	15	6	78	31	34	68	59	4	35
16	18 Thi-Qar	155	93	63	65	61	84	21	24	50	10	57	78	28	19	7	67	44	31	68	77	4	15
	Urban		90	84	79	98	99	15	13	43	14	77	85	23	23	7	81	42	49	82	79	4	7
	Rural		84	61	60	52	78	18	25	33	11	57	67	19	15	7	69	33	30	66	60	3	28
	Male		92	83	84			16	18			12	69	77	22	8	75	40				3	15
	Female		84	70	64			16	16			13	69	79	21	20	6	78	38			4	13
	Total		88	76	74	83	93	16	17	40	13	69	78	21	21	7	76	39	44	76	72	4	14

### Notes

Headings of columns identify indicator data used in column

U5MR from 1999 Iraq child and maternal mortality survey - average over 5 years before data collection

Following indicators taken from Multiple Indicator Cluster Survey for the Year 2000 (Governorate tables), Baghdad, December 2001. The Txx above each column identifies the table in the report from which the data were taken,; e.g. T11 is table 11 in the report.

RG5 - Percentage of children entering first grade of primary school who eventually reach grade 5

PSAttend - Net primary school attendance rate (table 11 of Iraq MICS 2000 governorate report)

Drnkwater - Percentage of population using improved drinking water sources (see report table 13)

Sanitation - Percentage of population using sanitary means of excreta disposal

Unwt2sd - Percentage of under-fives who are below minus 2 standard deviations from median weight for age of international reference population

ExclBFu4 - Percentage of children under 4 months who are exclusively breastfed

Iodsalt - Percentage of households consuming adequately iodized salt (with 15ppm and greater)

VitAin6 - Percentage of children aged 6-59 months who had received high dose vitamin A supplement in last 6 months

DPT3 - Percentage of children 12-23 months vaccinated against DPT (with 3 doses - DPT3)

Measles - Percentage of children 12-23 months vaccinated against measles

Diarhinl2 - Percentage of under-fives with diarrhoea in last two weeks

Incfcdg - Percentage of under-fives with diarrhoea in last two weeks who received increased fluids and continued feeding during period

ARlinl2 - Percentage of under-fives with acute respiratory infection in the last two weeks

Anyapp - Percentage of under-fives with acute respiratory infection in the last two weeks who received treatment by any appropriate provider

Illnessl2 - Percentage of under-fives reported ill during last 2 weeks

Usingacm - Percentage of married or in union women aged 15-49 years who are using any contraceptive method

Antnlcare - Percentage of women aged 15-49 years with birth in last year who received antenatal care from skilled health personnel

Delvycare - Percentage of women aged 15-49 years with birth in last year who were assisted at delivery by skilled health personnel

1or2pardd - Percentage of children 0-14 years of age with one or both parents dead

Wrkngchld - Percentage of children 5-14 years of age who are currently working

# IRAQ - governorate data from MICS 2000 and CMM 1999 surveys

Composite data -->

Table -->		T11	T13	T15	T17	T18	T22	T39	T42	D+G	D+G+E	D+G+F+I+J	D+G+E+K+L	200	100	100	
Orig	Redo	U5MR	PSAttend	Drnkwater	Unwt2sd	Iodzdsalt	VitAin6	DPT3	Delvycare	Wrkngchld				Adj. D	Adj. G	Adj. L	
Governorate														Use ub	Use ub	Use ub	
														above	above	above	
1	1 Dohouk	82	80	96	7	93	36	75	71	10	76	77	72	79	59	93	91
5	2 Erbil	75	81	92	7	88	28	84	70	15	78	79	72	78	63	94	85
3	3 Suleimaniya	59	85	90	7	72	33	82	58	8	82	83	74	79	70	93	92
2	4 Neneva	131	66	83	14	42	7	69	70	14	60	62	56	68	34	86	86
4	5 Ta'amem	103	78	85	17	33	5	65	45	22	66	70	57	67	49	83	78
7	6 Anbar	107	70	80	14	26	1	72	79	16	66	67	57	73	47	86	84
8	7 Baghdad	110	85	94	18	31	6	74	72	6	64	71	60	76	45	83	94
6	8 Diala	152	79	78	15	35	17	70	84	12	54	63	55	72	24	85	88
12	9 Salaheideen	146	71	67	15	33	19	51	66	34	56	61	50	63	27	85	66
11	10 Wasit	159	66	64	22	20	12	64	58	21	49	55	48	60	20	78	79
9	11 Babylon	137	79	74	20	22	5	59	63	24	56	64	50	66	31	80	76
10	12 Kerbela	114	75	78	20	20	6	63	86	19	62	66	54	73	43	80	81
15	13 Muthanna	111	61	64	20	27	27	51	56	18	62	62	53	65	45	80	83
13	14 Najaf	138	78	85	18	10	3	50	92	11	57	64	50	74	31	82	89
14	15 Qadisiya	152	65	65	17	27	19	55	88	17	54	57	49	69	24	83	84
18	16 Basra	135	84	90	20	31	18	80	88	10	56	66	60	75	33	80	91
17	17 Maysan	130	57	68	23	23	4	62	59	35	56	56	49	58	35	77	65
16	18 Thi-Qar	155	63	61	21	50	10	57	77	15	51	55	46	65	23	79	85
	Urban		84	98	15	43	14	77	79	7							
	Rural		61	52	18	33	11	57	60	28							
	Male		83		16		12	69		15							
	Female		70		16		13	69		13							
	Total		76	83	16	40	13	69	72	14							

**Note**  
ub - upper bound refers to number in row 4 in same column.

## Notes

Headings of columns identify indicator data used in column

U5MR from 1999 Iraq child and maternal mortality survey - average over 5 years before data collection

Following indicators taken from Multiple Indicator Cluster Survey for the Year 2000 (Governorate tables), Baghdad, December 2001. The Txx above each column identifies the table in the report from which the data were taken,; e.g. T11 is table 11 in the report.

PSAttend - Net primary school attendance rate (table 11 of Iraq MICS 2000 governorate report)

Drnkwater - Percentage of population using improved drinking water sources (see report table 13)

Unwt2sd - Percentage of under-fives who are below minus 2 standard deviations from median weight for age of international reference population

Iodzsalt - Percentage of households consuming adequately iodized salt (with 15ppm and greater)

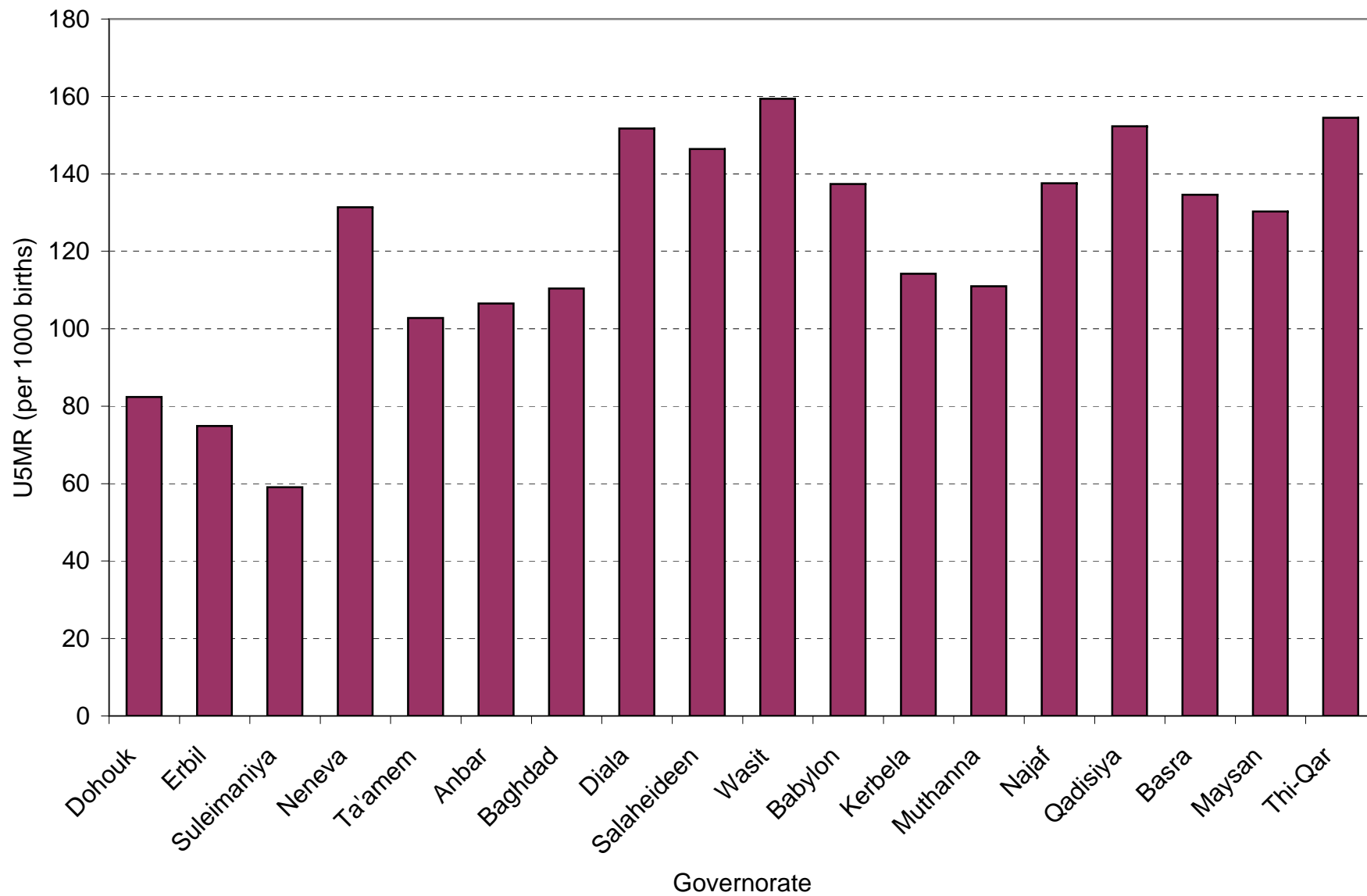
VitAin6 - Percentage of children aged 6-59 months who had received high dose vitamin A supplement in last 6 months

DPT3 - Percentage of children 12-23 months vaccinated against DPT (with 3 doses - DPT3)

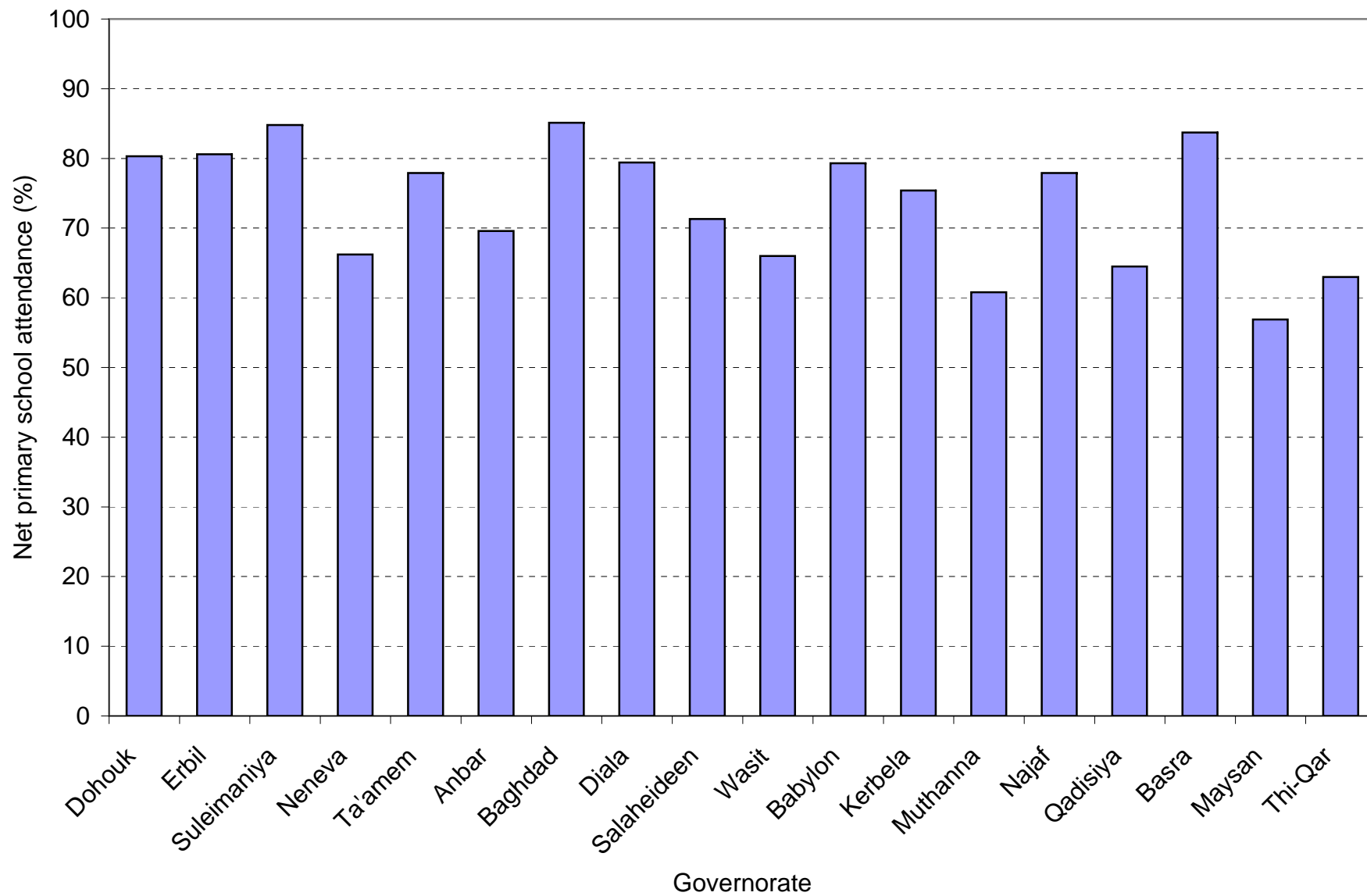
Delvycare - Percentage of women aged 15-49 years with birth in last year who were assisted at delivery by skilled health personnel

Wrkngchld - Percentage of children 5-14 years of age who are currently working

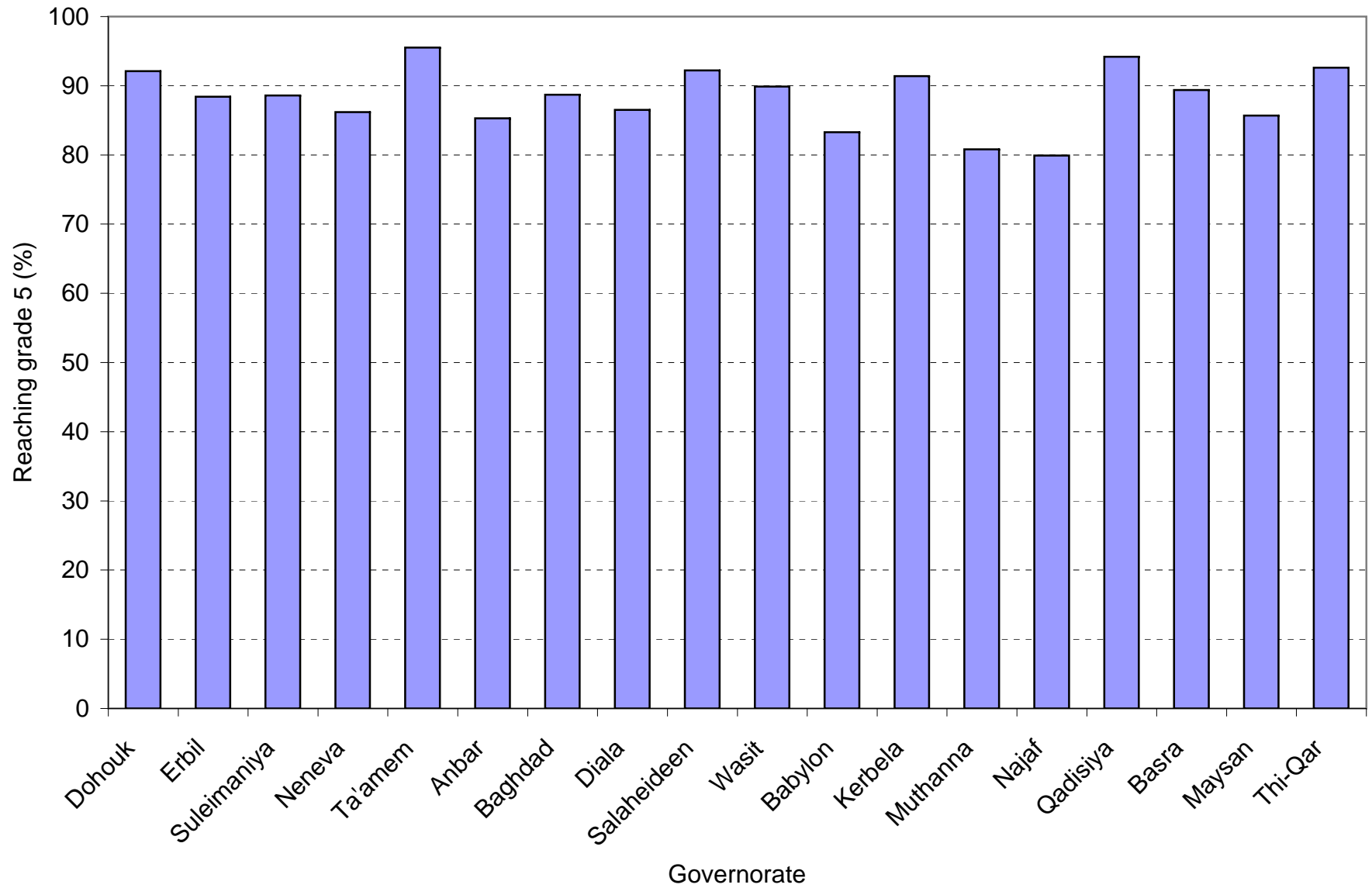
# 1. Iraq - under-five mortality rate (U5MR)



## 2. Iraq - net primary school attendance ratio

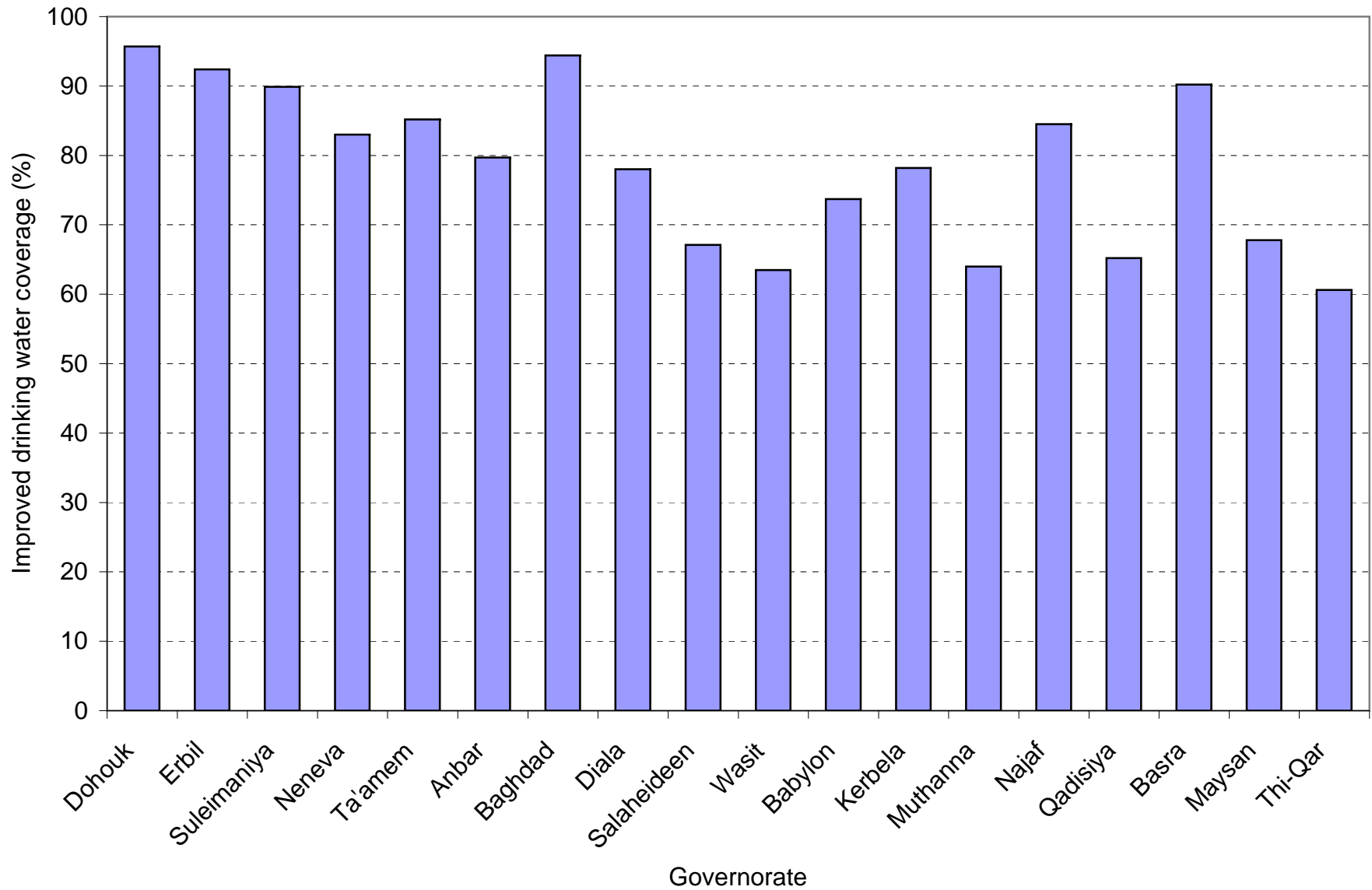


### 3. Iraq - reaching grade 5 (from grade 1)

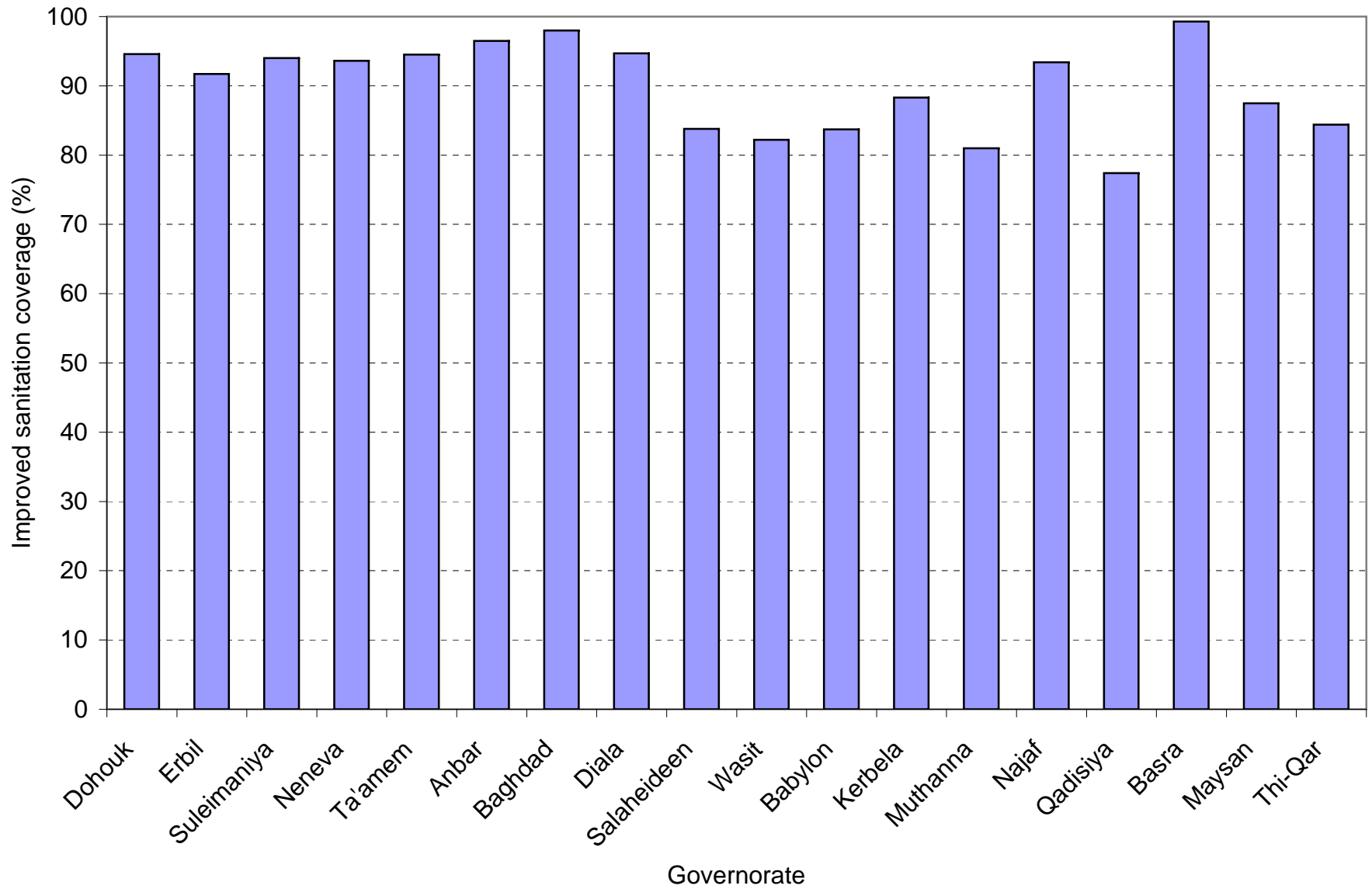




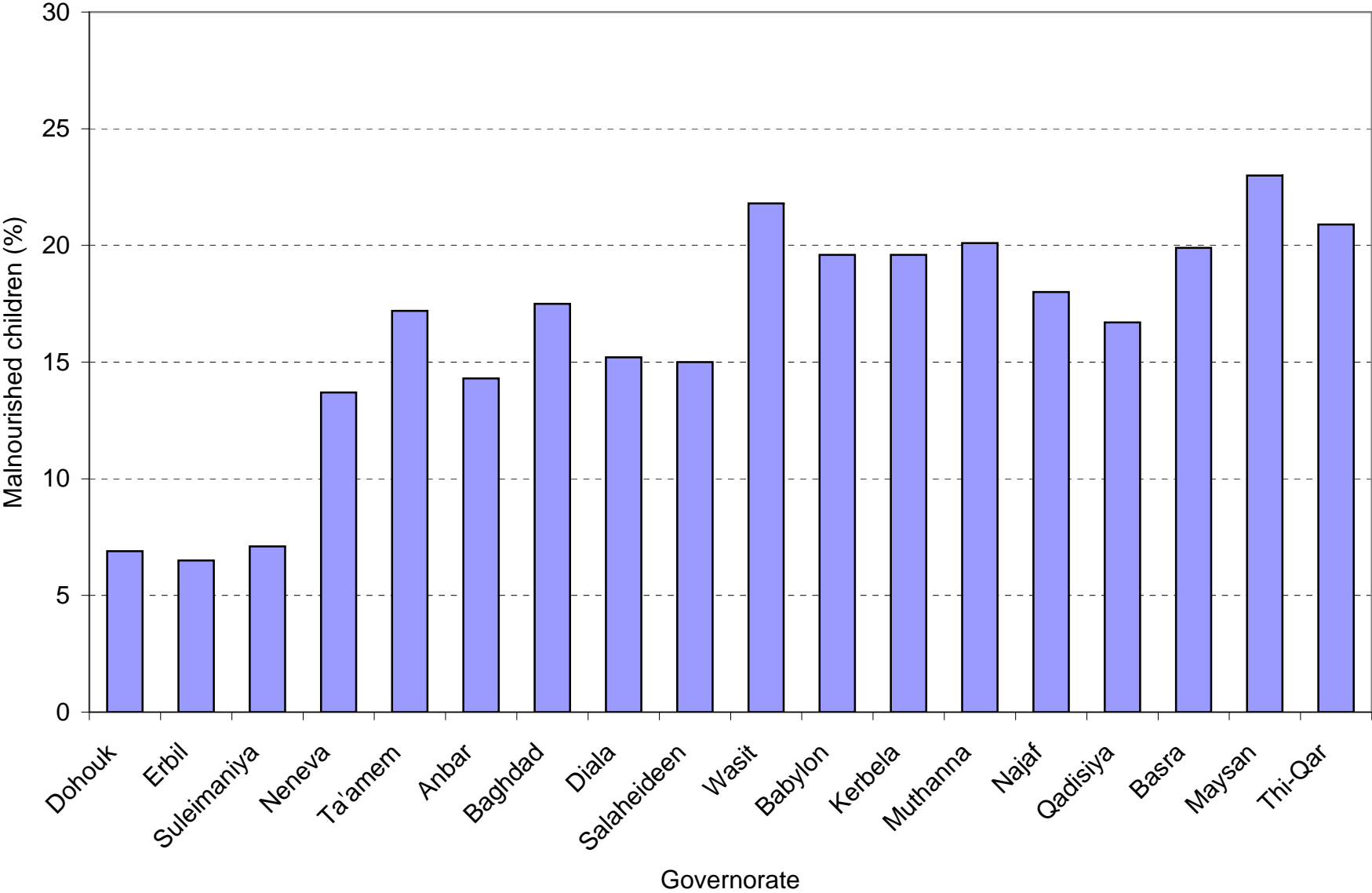
## 4. Iraq - improved drinking water coverage



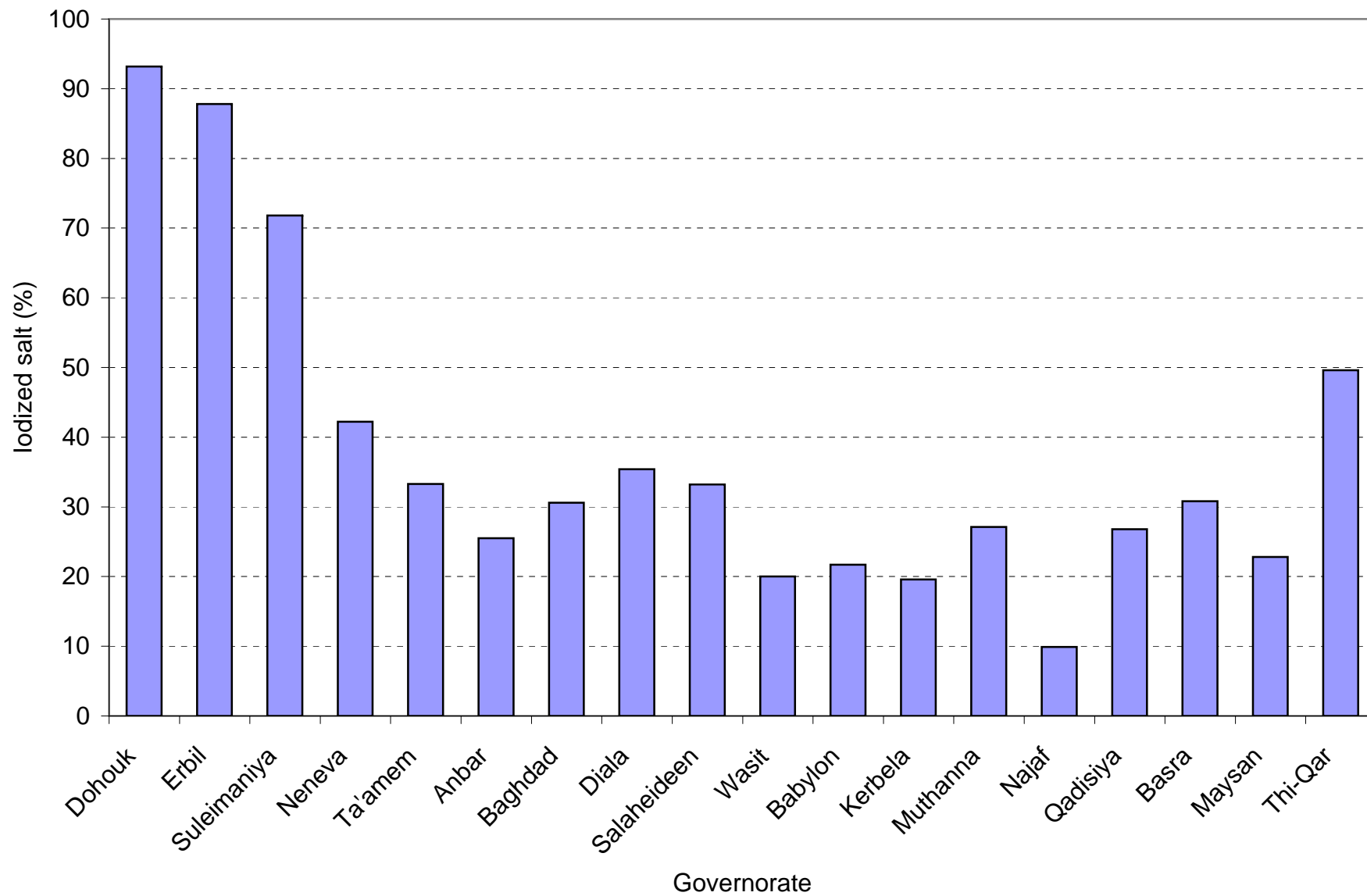
## 5. Iraq - improved sanitation coverage



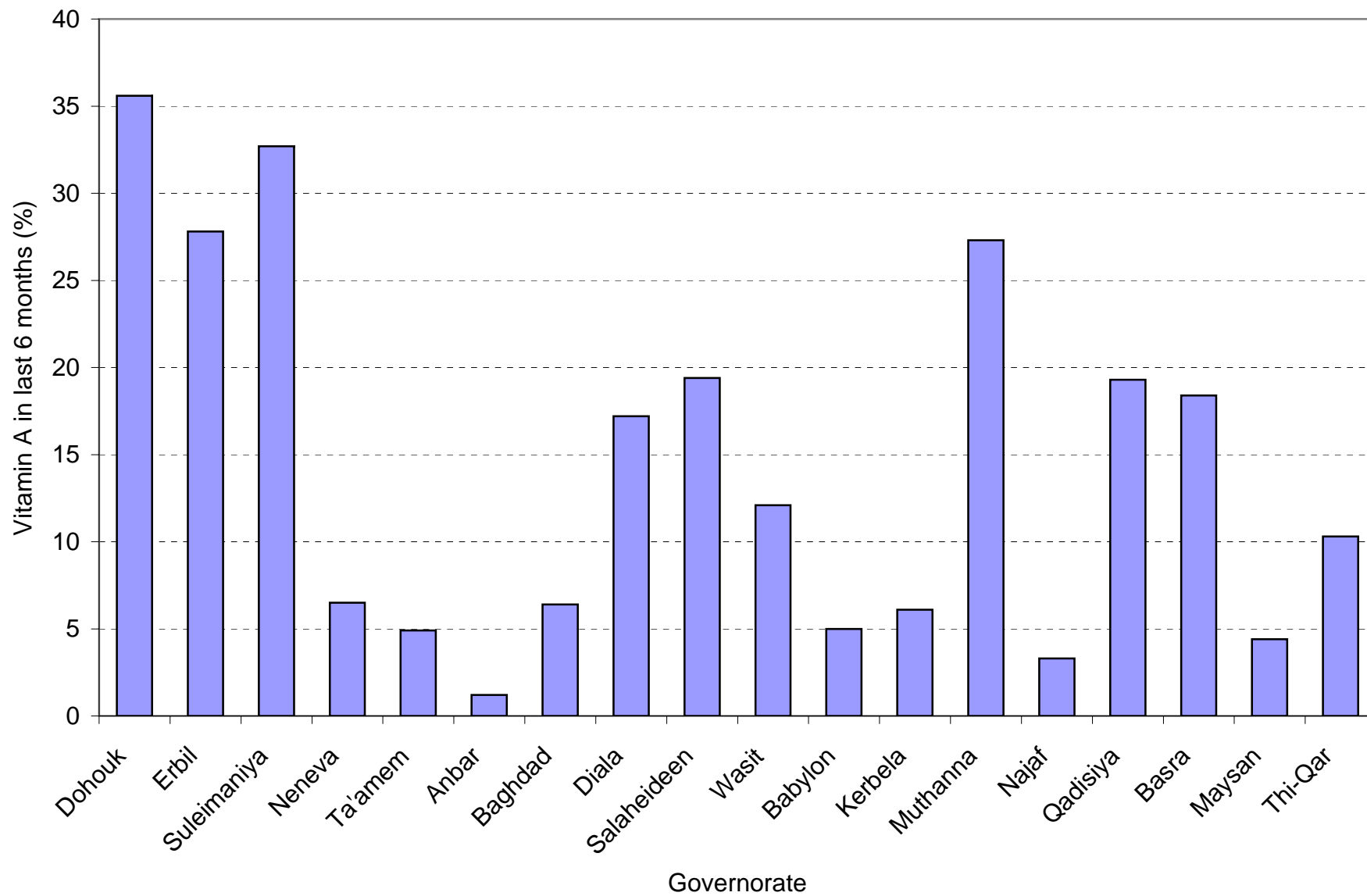
### 6. Iraq - malnourished children (mod. & severe underweight)



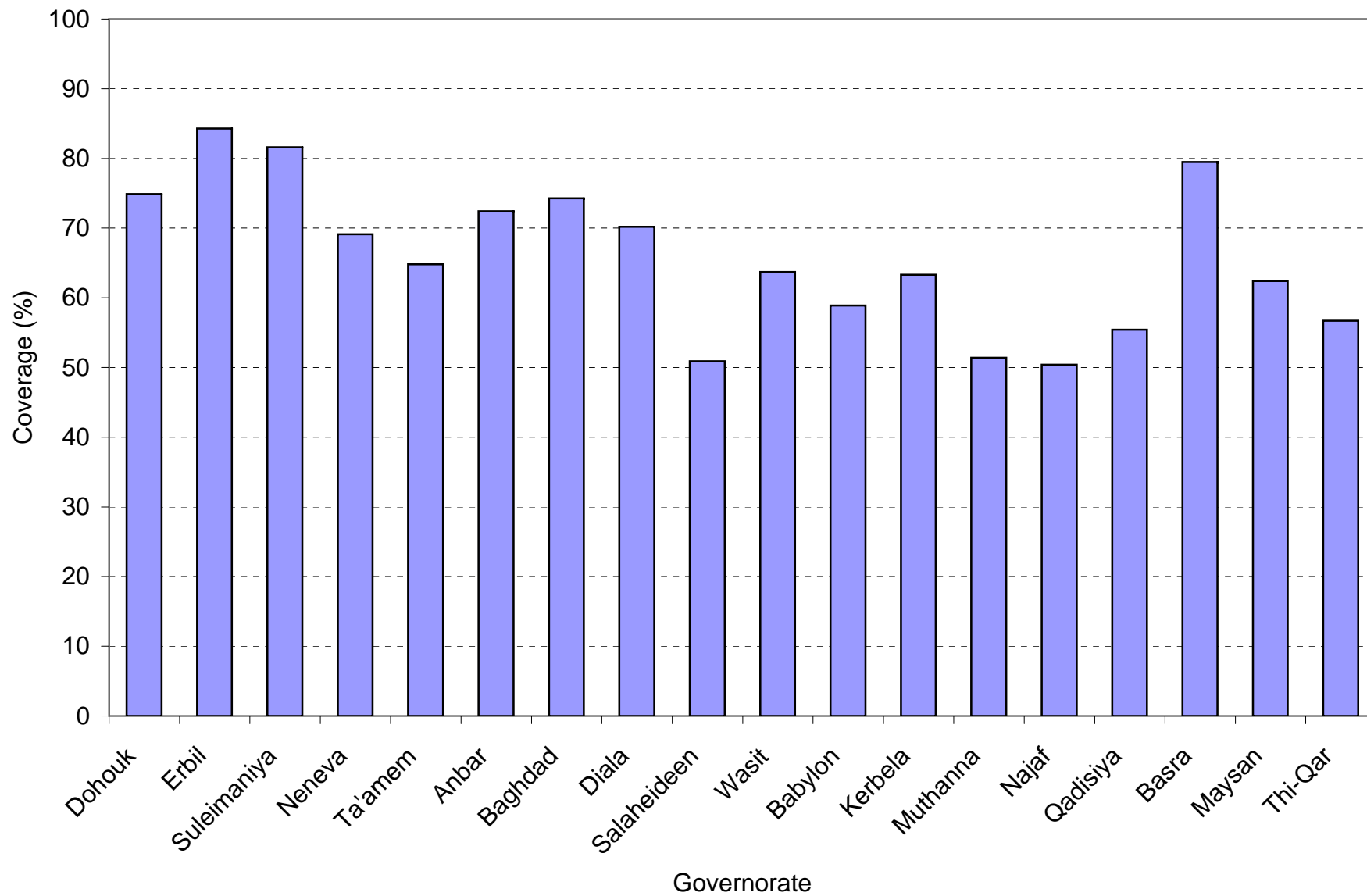
## 7. Iraq - iodized salt (15ppm and greater)



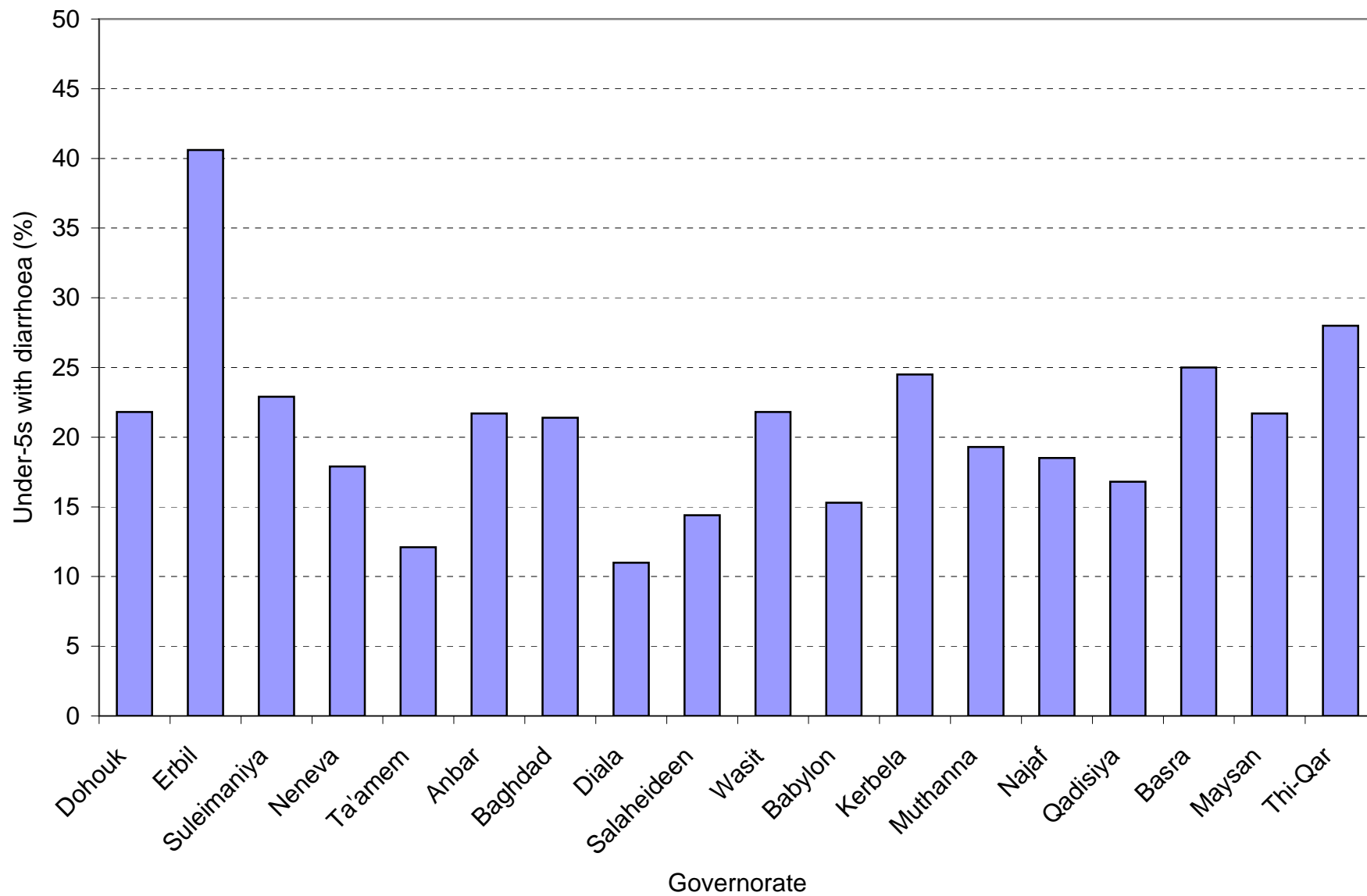
## 8. Iraq - vitamin A capsule in last 6 months (under-5s)



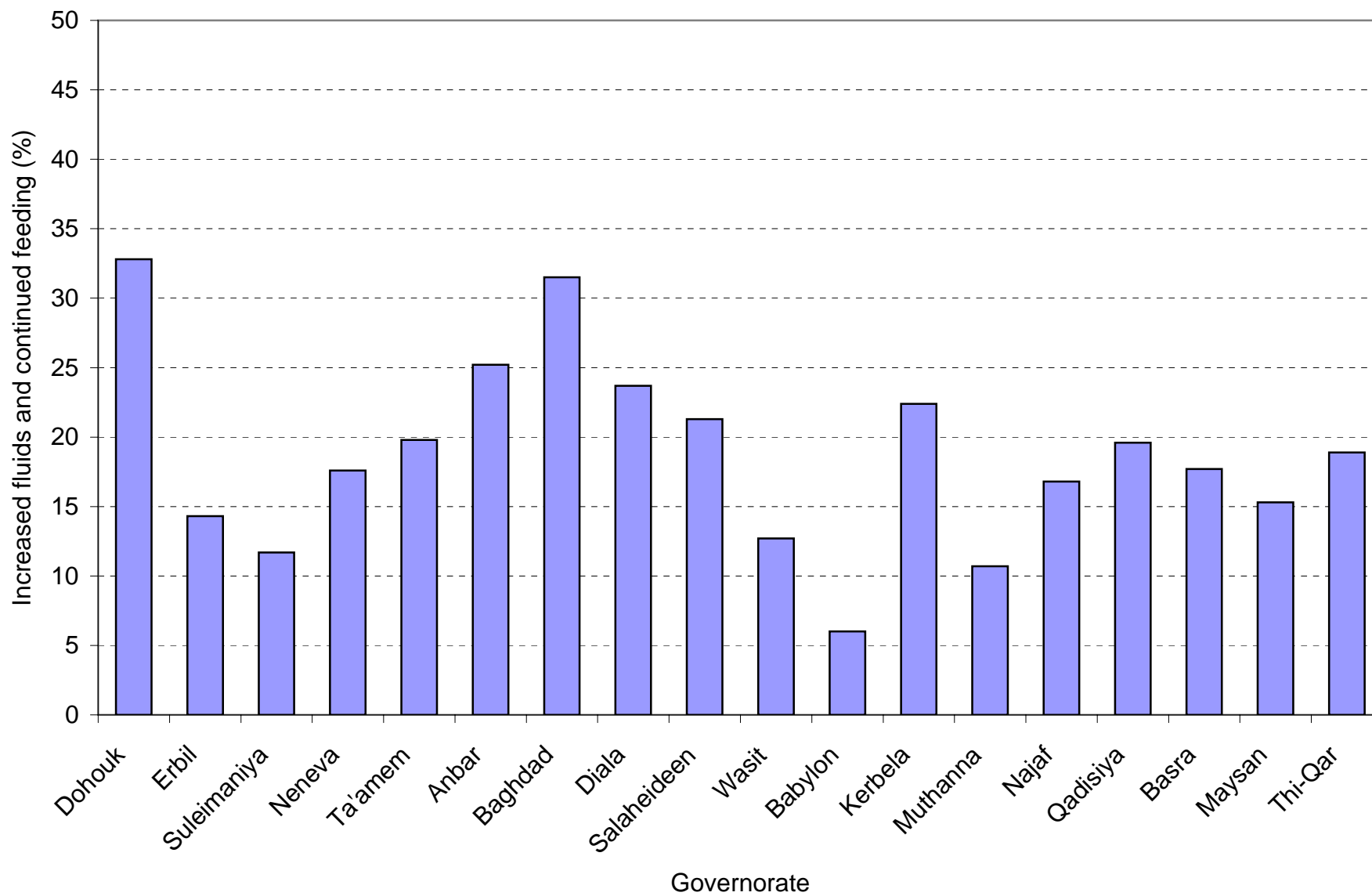
## 9. Iraq - DPT3 coverage (12-23 months)



## 10. Iraq - diarrhoea in last two weeks (under-5s)

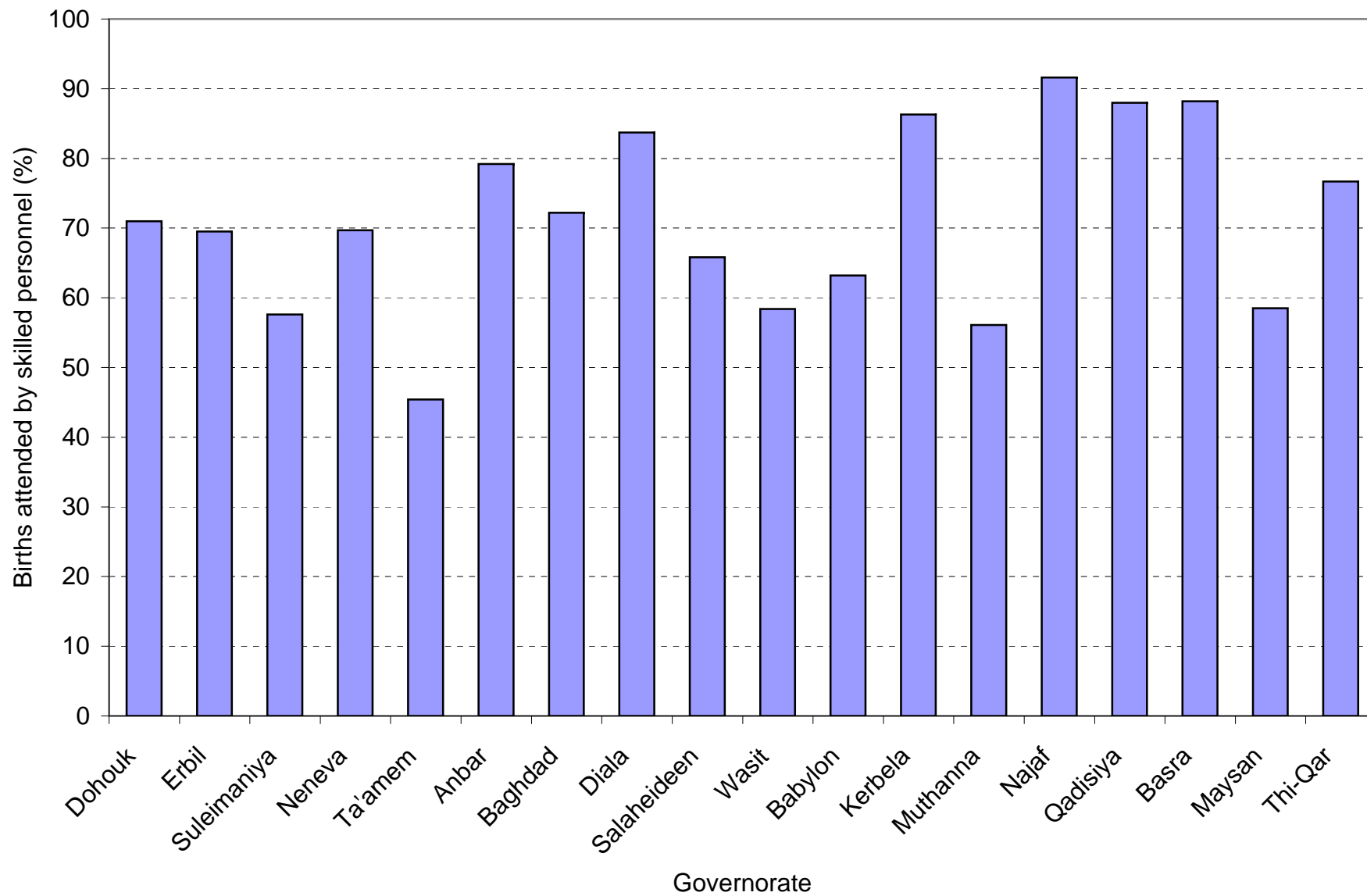


## 11. Iraq - children with diarrhoea who took increased fluids & continued to feed

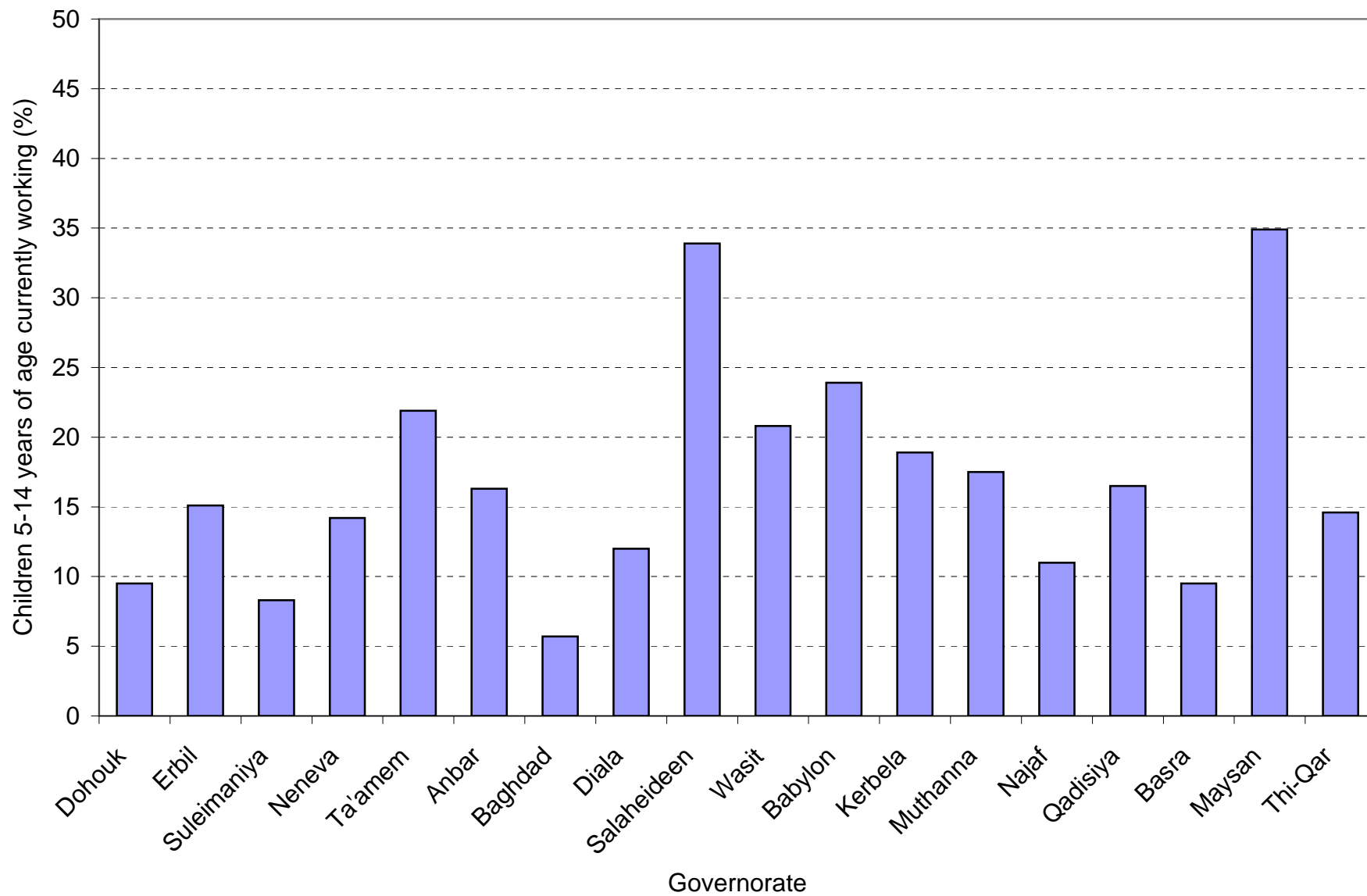




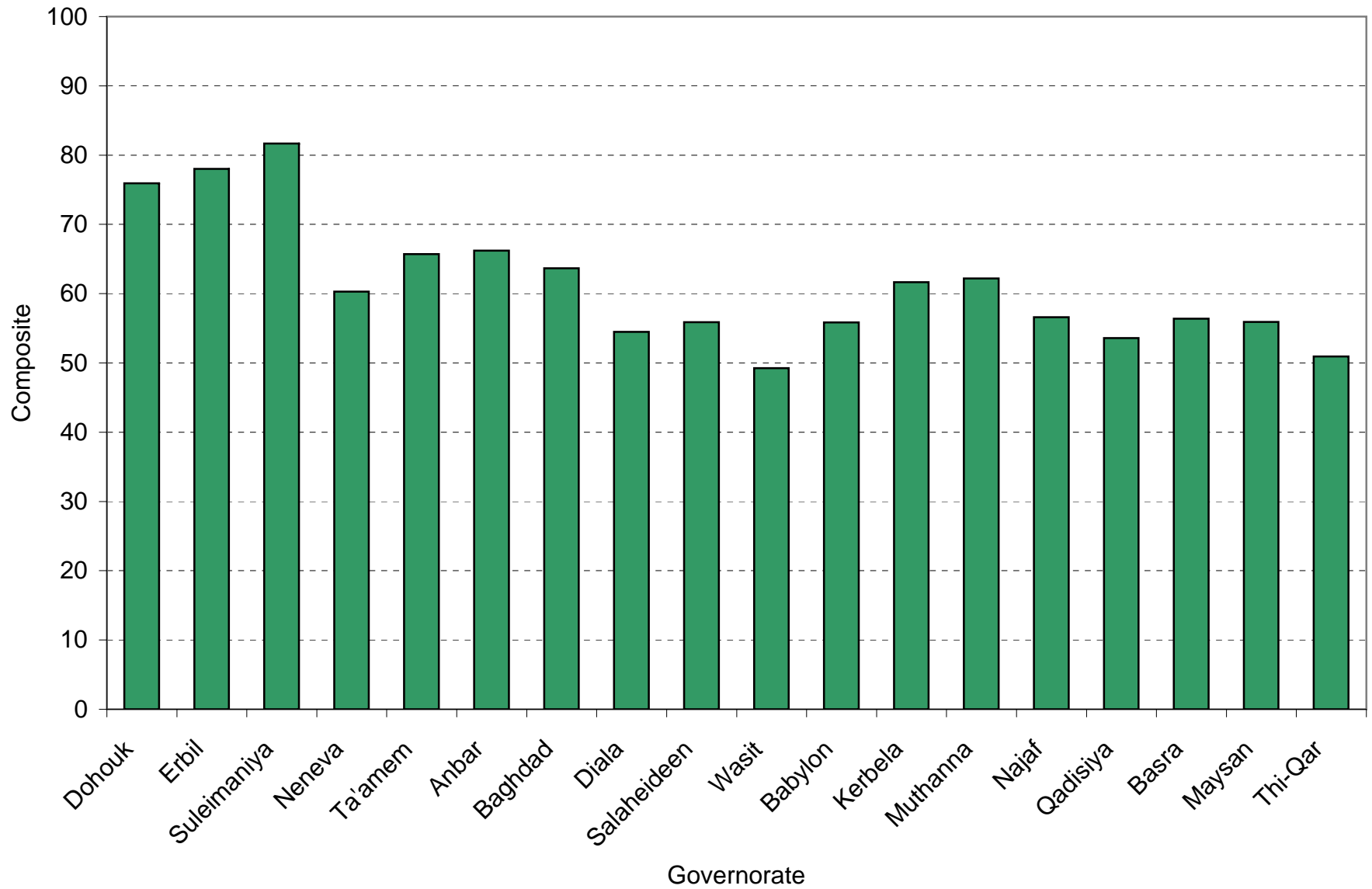
## 12. Iraq - births attended by skilled health personnel



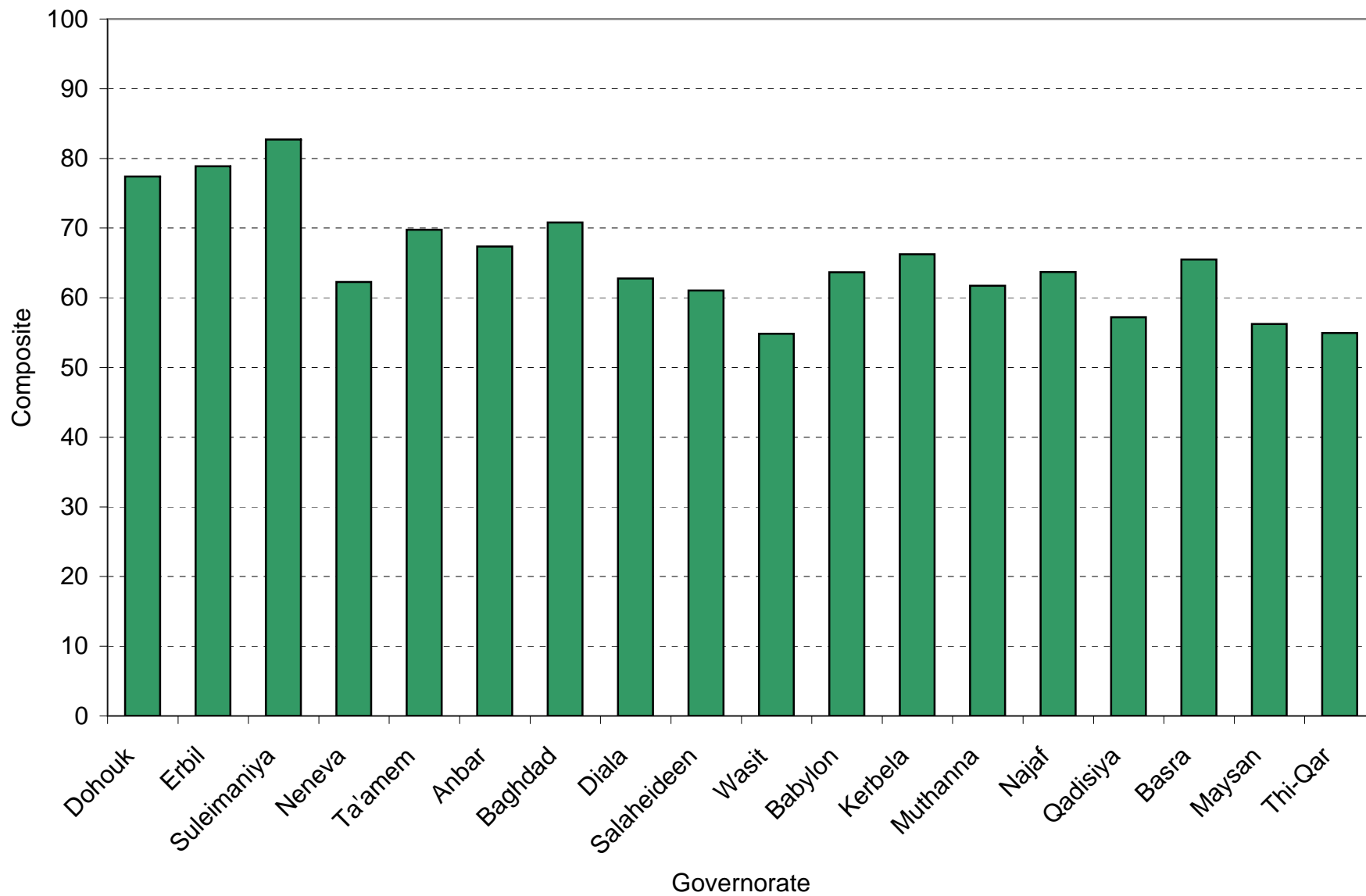
### 13. Iraq - children 5-14 years of age currently working



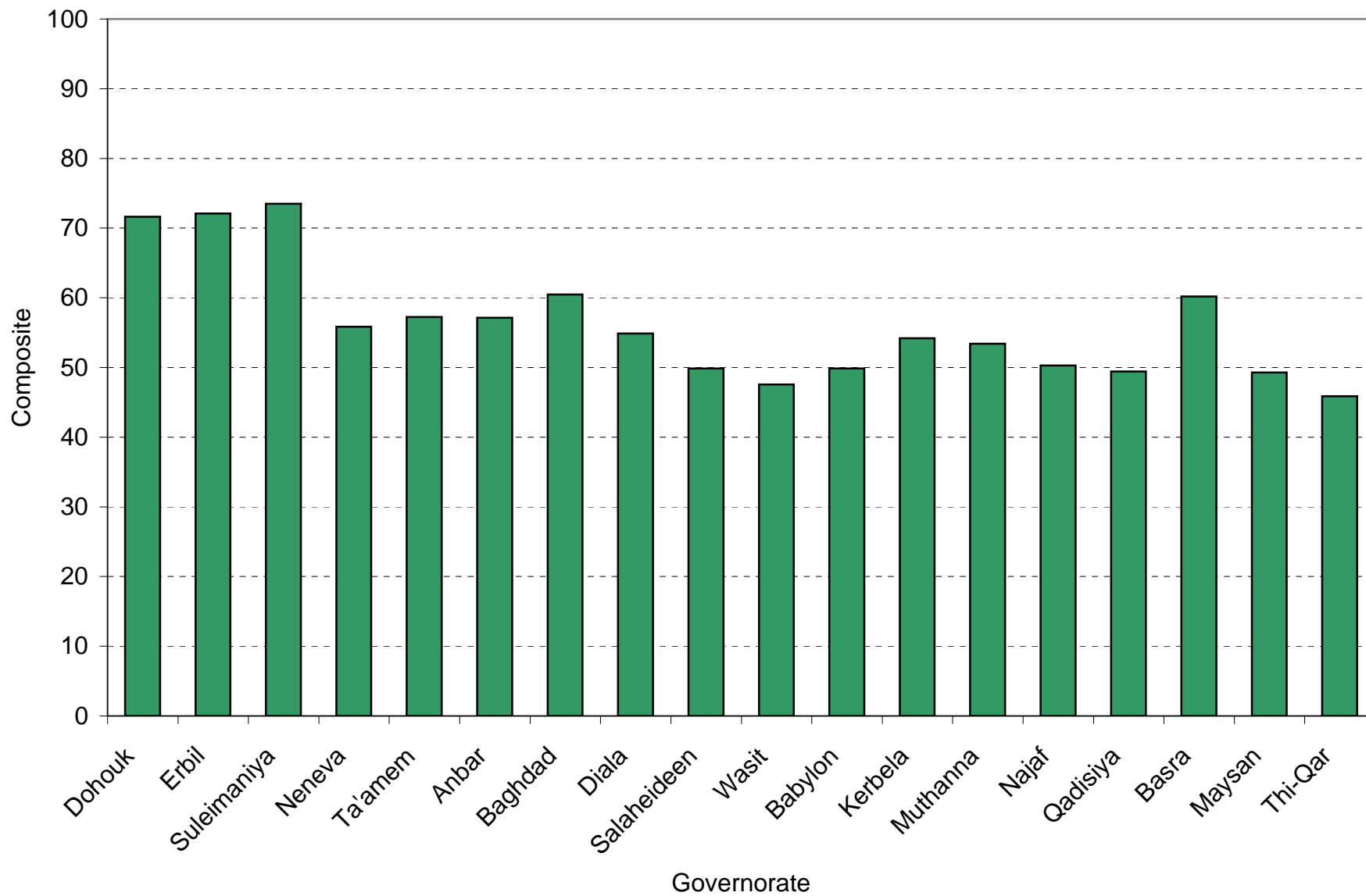
## 14. Iraq - composite (U5MR and UNWT)



### 15. Iraq - composite (U5MR+UNWT+PSattend)



## 16. Iraq - composite (U5MR+UNWT+WATER+VITA+DPT3)



## 17. Iraq - composite (U5MR+UNWT+PSattend+BIRTHCARE+WRKGCHILD)

