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14.23

2554

3

9 %

4

10%

5

(Survey research)

13

(Stratified Random Sampling)

600

2554

(Chi-square)

81.50

51.87

31-60

52.67

80.30

73.17

3.75

74.83

63.83

32.17

/ .

69.45

84.86

57.96

81.46

86.42

91.38

91.38

95.04

10000

75.58

59.43

93.67

63.27

private

0.01

/

6

..2532
 (1)

150µg/L
 61.3 585 59 (2) 2550-2552

50(3) 91 2551-2552
 72 71 67 (4) 2542-2547 2550

30ppm 90 (3) 2549-2552
 638 689 826 77.4 (4)

2549
 35 (5)

30 1

2 3 1 31 ..2553

(6) ..

(7)

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(Sampling size)

W.G. Cochran

$$n = \frac{Z_{\alpha/2}^2(pq)}{d^2}$$

p= . , q= . , d % of P= .

$$n = \frac{(1.96^2)(0.854)(0.146)}{(0.0427)^2} = 262.7$$

300

4

13

16

60 ,

1

10

1

2

1423

.2554

Fit

3

1

2

/

36 , : 60

3				Fkit		
1				1		(Unit of
analysis)						(χ^2 - test)
9	/			4		
1				81.50	51.87	
31-60		5267		80.30		
	7317		375			7483
		383				
2						
21						
211						9983
			85.98		77.30	
212				97.67		
		9300		84.98		
213			()		
267				68.75		5625
214				65.67		4
		5457	1	43.15		
215					81.17	
4			50.51	1		47.02
216	/			/		9883
/	4		52.45	1		4924
217						82.67
		2923		1		87.10
4			85.89			79.03
	61.90					
218						95.67
6620			77.53			

	688		083			
				1		
1				(n=600)		
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	383	688	199	3317	88	1467
	198	3217	212	3533	214	3567
	5	088	7	117	5	088
	149	2488	106	1767	144	2400
	176	2933	134	2233	175	2917
/	49	817	544	9067		
	145	2417	351	5850		
<hr/>						

22				4		
221						
/	.	6945				
222						
			8486			
223						
57.96						
224						
		81.46				
23						
			8642			
(1)		
91.38	91.38	95.04				
24						
	3					
	241	36				
5668					2627	
			2	3684		7696
10000	3318					7558

242 (Iodine GPO150) **7.43** **(Trifedine150)**
12 **1**
71.43
6 **10000** **(60)** **47.31**
243 **650** **87.31**
99.23 **10000**
3 **14** **8**
36.73
28.55
99.55 **/** **30 ppm** **59.43**
93.67
1000 **79.60**
1000 **99.35** **2**
2

	(n=20 50) 363		(n=39 50) 627		<100g (n=46 50) 746		100g (n=153 50) 254		(n=50)	
< 30ppm	219	99.55	24	633	91	2040	152	99.35	243	4057
30ppm	1	0.45	355	93.67	355	79.60	1	0.65	356	59.43

4

11

p-value

0.01

5

p-value

0.01

3

3

			χ^2	<i>p</i> -value
			266	000
0-30		23	84	107
31-60		105	21	316
60		88	88	177
			217	383
			219	000
		194	287	481
/	/	20	78	98
		2	6	8
		0	10	10
		1	1	2
			217	382
			172	000
		43	64	107
		167	272	439
		1	19	20
		3	16	19
		3	5	8
		0	7	7
			217	383
			683	000
		15	56	70
		8	22	30
		1	9	10
		9	31	40
		22	8	30
		8	12	20
		8	12	20
		1	9	10
		13	37	50
		40	50	90
		0	20	20
		14	26	40
		22	18	40
		14	36	50
		17	13	30
		25	25	50
			217	383

3()

			χ^2	<i>pvalue</i>
			286	000
	77	223	300	
	140	160	300	
	217	383	600	

6

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p-value 0001

4

4

			χ^2	<i>pvalue</i>
/			4811	000
	212	45	257	
1	4	134	138	
2	0	132	132	
3	1	72	73	
			4246	000
	215	47	262	
1	0	160	160	
2	2	98	95	
3	0	83	83	
			5332	000
	210	4	214	
1	6	253	259	
2	1	106	107	
3	0	14	14	
4	0	6	6	
			5615	000
	212	3	215	
1	3	158	161	
2	0	178	178	
3	2	44	46	

4()

				χ^2	<i>p</i> value
				588	000
		213	0	213	
1		1	2	3	
2		3	20	23	
3		0	85	85	
4		0	276	276	
				4832	000
		216	28	244	
	30ppm				
		1	355	356	
	/ 30ppm				

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36

12

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..2553(6)

3673

5943

9955

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2

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14

(1)

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(3) World Health Organization. **Assessment of Iodine deficiency disorder and monitoring their elimination A guide for programme managers** 3rd edition, 2007.

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2554,

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[http://www.manager.co.th/QOL/ViewNews.aspx?](http://www.manager.co.th/QOL/ViewNews.aspx?NewsID=)

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90-110

104

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(Thyroid hormone)

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(Urinary Iodine)

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1421 117.8 125.5

108.2

2551-2553

90

. 77.4

77.4

50

58.5 59.0

52.5

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(150-200 /)

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1 31 . . 2553

	(Learning)	(Personality)	(Want)	(Motive)	(Perception)
(Economy)		(Business contacts)	(Reference group)	(Family)	(Culture)

(Survey research)

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