



“ ”

2014

“ ”

2014

1.		2010-2011	2012.04
2.		2011-2012	2012.12
3.		2012-2013	2013.12
4.		2013-2014	2014.12
5.		2011	2011.05
6.		2012	2012.05
7.		2013	2013.05
8.		2014	2014.05
9.		2011	2011.12
10.	“ ”		49 -70 2011-2014
11.			2012.09
12.		(2010-2020)	2010.06
13.		(2010-2020)	2010.10
14.	“ ”	2020	2010.12
15.			2010.09
16.		2006.07	

2011

2014

2012

2014

2014

1

84.4%

2013

3.4%

307

149

2

2014

98.55%

622

2013

9.3%

17

3

2014

89

101

180

4

2014

1752

2013

65.28%

2014

“

”

2012

67

2013

2014

39476

23036

58.35%

1125

2014

12

5140

126

2810

607

21.60%

61.14%

18.68

17.07

1.61

2014

2331

82.95%

79.54%

3.41

11.44%

11.03%

0.41%

2014

74.18%

75.209900443052118914381024190<0402897(3.)7.2(41)]119605721

290 310
2014 10558 10703 4634
565 149
307
2014 370 257 113
89 24.05%
101 27.30% 1882
2014 2 1 10 11
2
2014 65-70
2013-2014 2013
2014[49]
2
2014 1.53
90.99 92.52
2013 69% 2011 74%
2013 5425 5645
5345 98.53% 15.68% 14%
1.68% 2014 98.55% 98.74%
0.19% 15.68% 14.55% 1.13%
2013 74% “211” 2013
65% 9 2013 94% 2012
94% “211” 2013 91% 3
2014

			332		200	
				23		
					2	
		1			10	
					370	
46	2013	15%	“	”	1752	2013
65.28%						

100%

.....	- 1 -
.....	- 1 -
.....	- 2 -
.....	- 3 -
.....	- 4 -
.....	- 6 -
.....	- 6 -
.....	- 8 -
.....	- 9 -
.....	- 11 -
.....	- 12 -
.....	- 13 -
.....	- 14 -
.....	- 14 -
.....	- 15 -
.....	- 16 -
2013	- 16 -
.....	- 18 -
.....	- 18 -
.....	- 19 -
.....	- 22 -
.....	- 24 -
.....	- 25 -
.....	- 27 -
.....	- 27 -
.....	- 27 -
.....	- 28 -
.....	- 29 -
.....	- 36 -
.....	- 36 -
.....	- 37 -
.....	- 42 -
.....	- 44 -
.....	- 45 -
.....	- 45 -
.....	- 46 -

1.

“ ”

2.

3.

“ ”

4.

→

“

”

“

”

→

,

2014

1.

→

2013

,2013

58%

84.4%

→

23

68

74.18%

→

10

447

1800

2.

→

98.55%

4883

2.2 1

→

622

2013

9.3%

3896

2013

7%

17

3.

→

“

”

→ 2013

2013-2014

→

4.

→ “ ”

→ “ ” 70

60 80

1.

→ 2014

7300

→

→

2.

→ 10 5

→ 400

332 200

→ 2014

23

3.

→ 2 1

10

→ 4 3

2014

→ 2014 12

89 101 180

4.

→

46 2013 15%

→ 56 2013

100% 1752 2013 26%

→ “ ” 77 77

2015

1.

→

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2.

→

→

→ “ ”

MOOC

→

3.

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→

→

4.

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→

→

[illegible]

2. / /

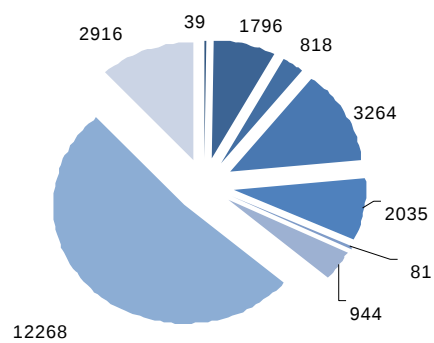
[illegible]

1
“H”

1. / /

23036 10874

1125



2-1 2014

2. /

(1)

	34	1295	37	1258		/	15	84	82

(2)

	01	540	22557	0	0	43
	02	536	21641	0	0	43

2014 9

3.

1 ,

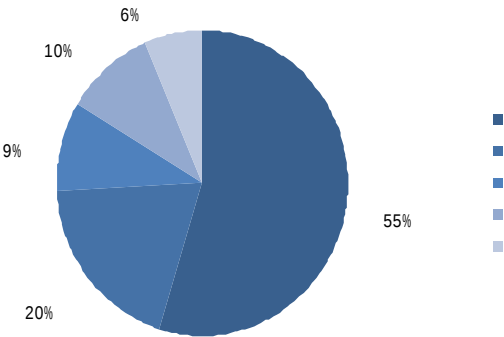
2

3

4.

1		45	8000	6
2		922	5000	5
3		62	8000	3
4		4	5000	4
5		95	1000	
6		20	10000	
7		6055	500-4000	1015
		6196		

1.



2-2

5140

126

2. / /

1		2810	18.68	3067 ¹
2		1005	57.00	
3		488	117.39	
4		512	111.89	
5		325	176.27	
		5140		57288.7 ²

1
+
2

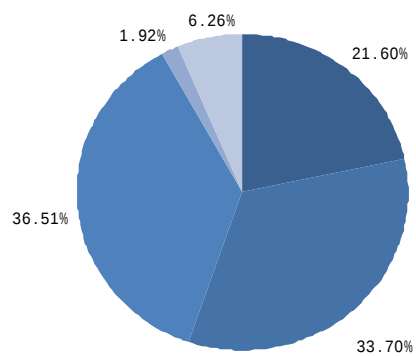
*0.5

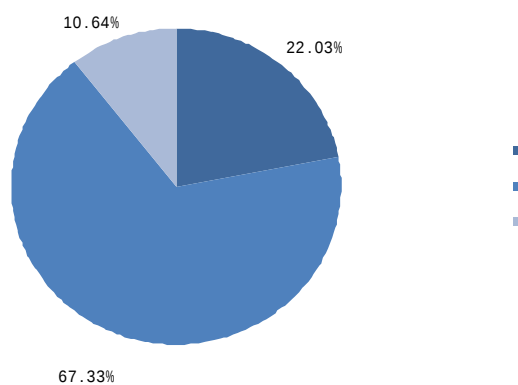
“2013-2014
2014 9

”

=

3. / /





2-5

	15.28	↑	14
	23330.74	↑	5000
	67.29	↓	100
	53%	↑	30
	46.55	↓	54
	9.44	↓	6.5
	51.19	↓	10
	12.5%	↓	10
	0.63	↑	4

1.

“2013-2014

”

2.

57288.7

39476

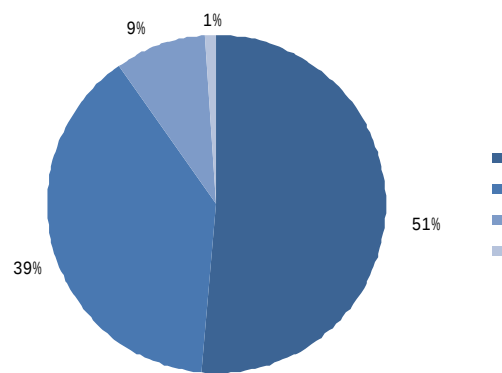
3067

2014 9

1.

2014

212 367.64



2-7

2014

17,233.05

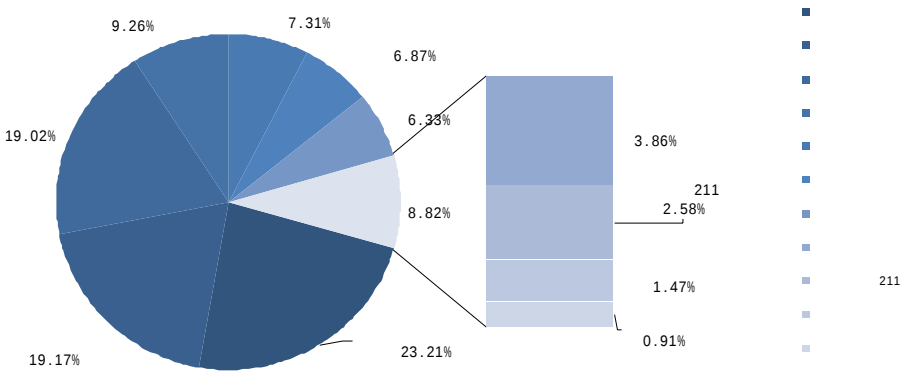
3

6

2.

2014

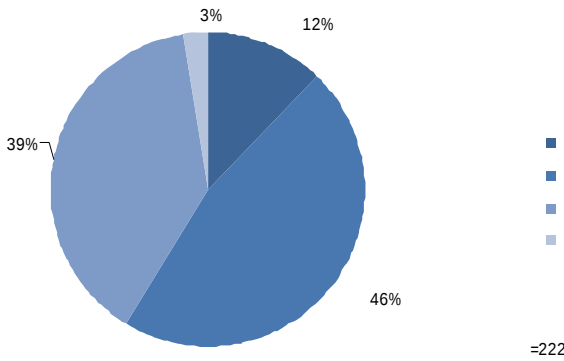
246,991.08



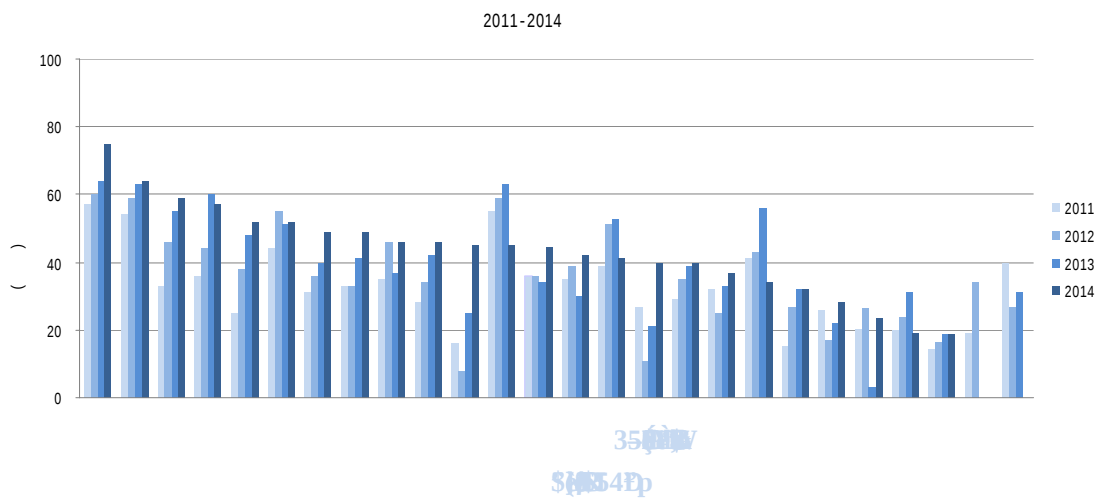
2-8 2014

6.25 3.56 211 1.7

222 41 64 7



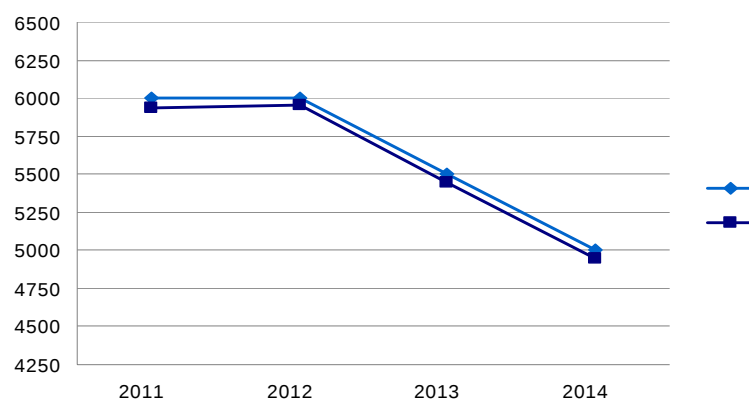
2-9



3-1

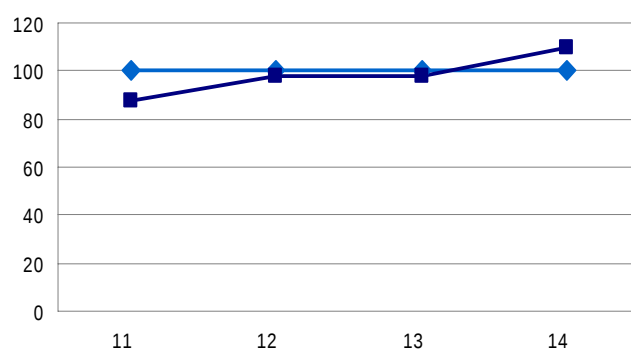
2011-2014

2011-2014

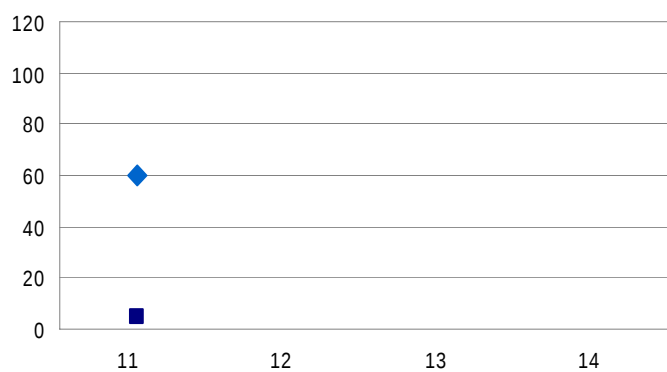


3-3 2011-2014 /

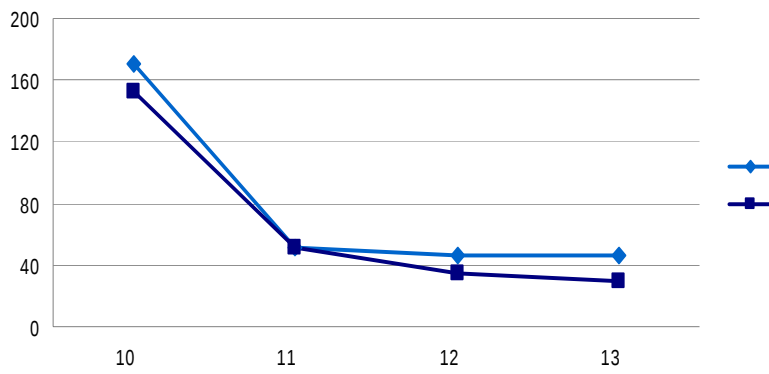
2012



3-4 2011-2014 /

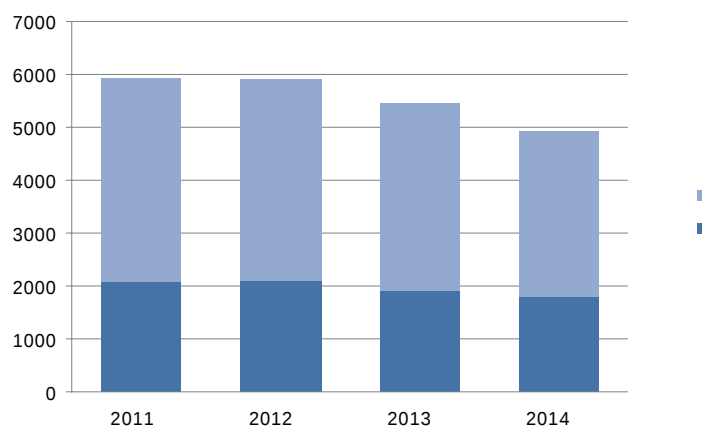


3-5 2011-2014 /



3-6 2011-2014 /

2011 -2014



3-7 2011-2014

2013

2014 2013

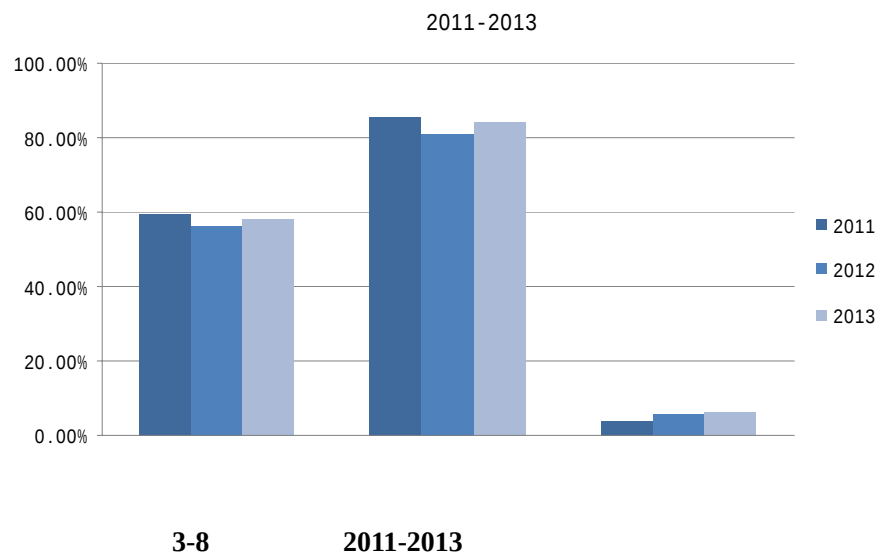
84.40% 2012 100%

100%

2014 11 2013

2013 94.87% 2012

2.94%



2014

2014

2015 6

1. 2011

	≥22	1	≥85	70-78	≤30	≥10	60	≤290
	≥32	1	≥91	75-84	≤30	≥10	50	≤290
	≥36	1	≥70	93-102	≤30	≥10	50	≤290

• 290
 • 2 1
 • 10
 15% 25%

2. 2012

	≥22	2	≥94	75	≤30	≥10	60	≤290
	≥32	2	≥95	80	≤30	≥10	50	≤290
	≥36	2	≥70	95	≤30	≥10	50	≤290

2011

3. 2013

	≥22	2	≥95	75	≤30	≥10	60	≤290
	≥32	2	≥95	80	≤30	≥10	50	≤290
	≥36	3	≥70	95	≤30	≥10	50	≤290

2011

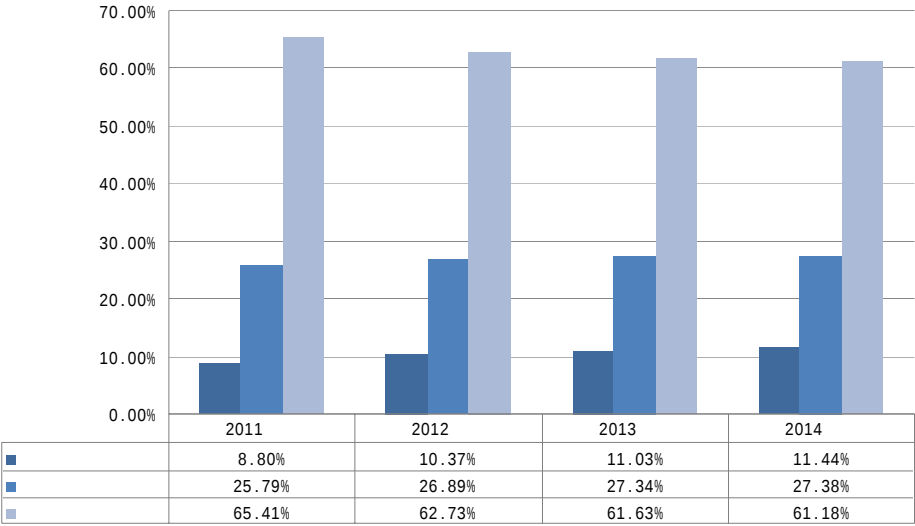
4. 2014

	≥22	2	≥95	70	[25,30]	≥10	60	≤290
	≥32	2	≥95	70	[25,30]	≥10	50	≤290
	≥36	3	≥70	90	[25,30]	≥10	50	≤290

● 290
● 2 1
● 10
15% 25%

1.

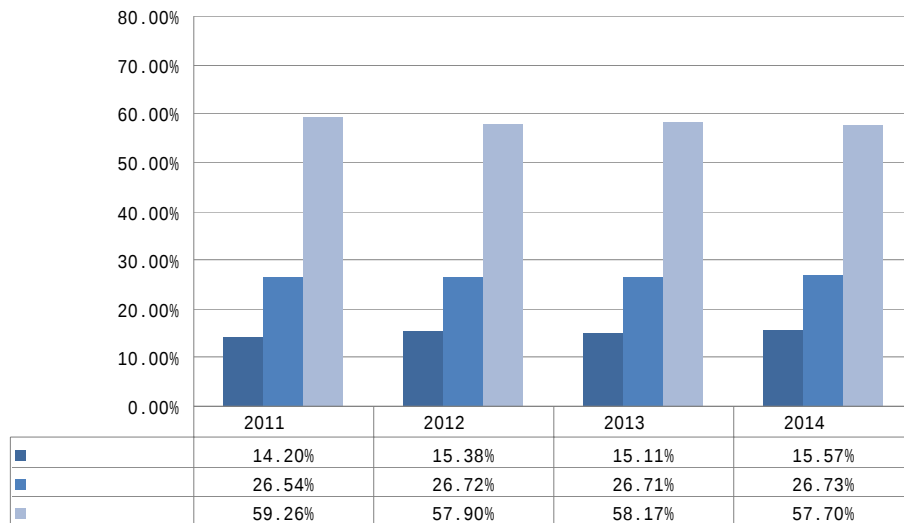
1



4-1 2011-2014

● = /
● = /
●

2



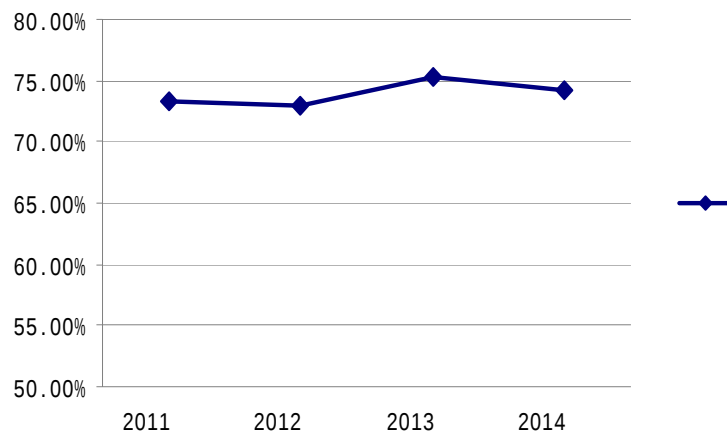
4-2 2011-2014

-
-
-

$$= \quad /$$

$$= \quad /$$

3



4-3 2011-2014

2.

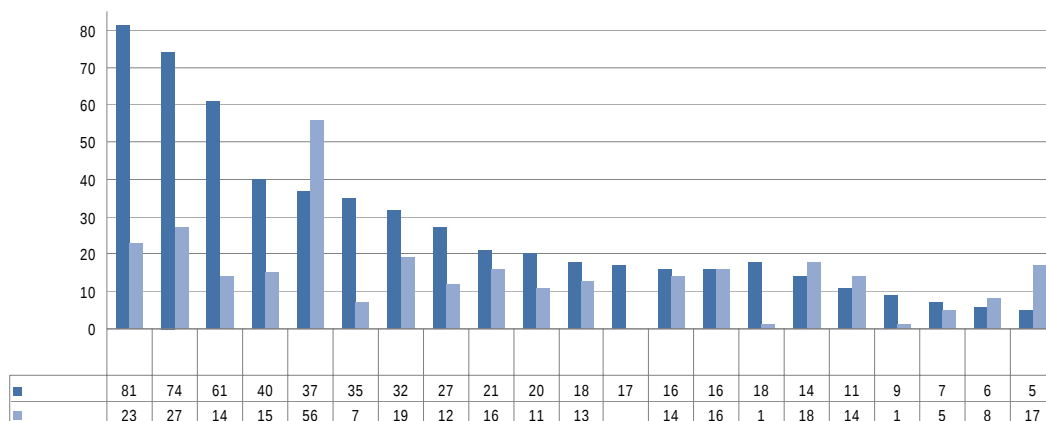
2011

2014

307

565

149



4-4

2014.12

●

2014 12 31

●

4-4

3.

2014

18.69

15.97

17.03%

4-1 2014

		/		
		138	10017	100%
		223	9304	
		329	34334	
		195		
		885	64196	

2014

1.

2011	4	62	107
2012	1	40	123
2013	29	103	125
2014	89	101	180

2.

2011		200	837
2012	85	200	1176
2013	67	200	1121
2014	73	220	1882

2007 “ ” 2008
 “ ” 2014 220 2014
 315 “ ”

3.

	2012-2013			2013-2014		
	15653	2687	12966	15438	4296	11142
	2552	0	2552	2181	0	2181
	1751	0	1751	1683	0	1683
	19956	2687	17269	19302	4296	15006
		13.46%	86.54%		22.26%	77.74%

4.

➤ RFID “ ”



RFID

RFID



1 “

”

“ ”



“ ”



“ ”

3

3-4

20



2014“ . ”



2 “ ”

1.

2014

2015

2.

2014

1

“ ”

2

2014 2

1 10 11 2014 9

“ ” 2

3.

2014 4

1 “ ” 3

2014

2014

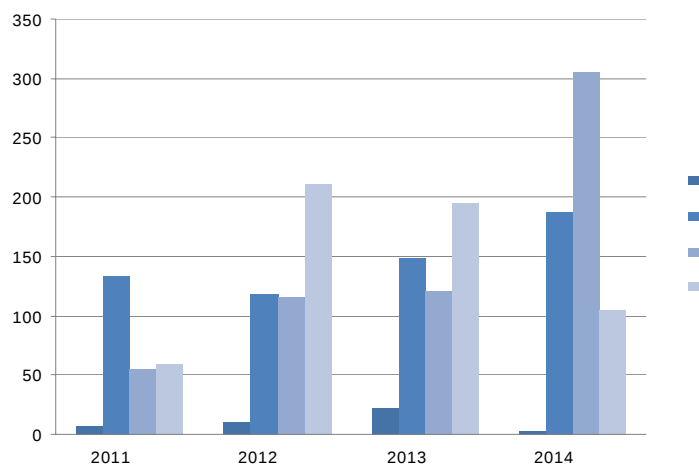
1

2014

“

”

1.



4-5

2011-2014

2.

14-15

“

”

“

”

34

2014



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“

”

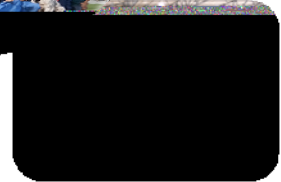
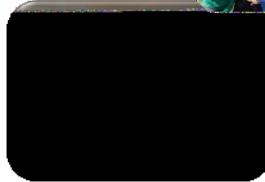
3D



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4



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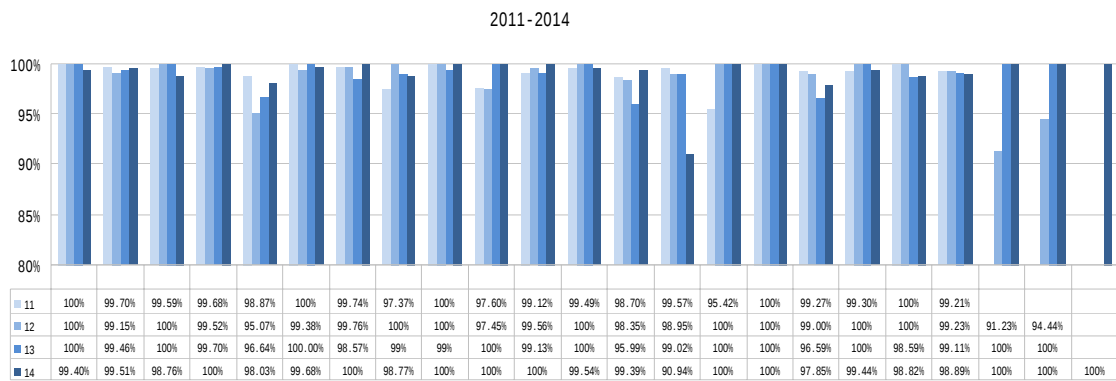
“

”

5-1

2011-2014

5-3



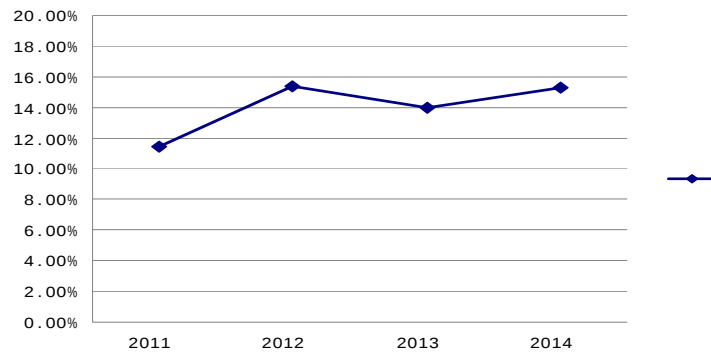
5-3

2011-2014

2014 9

5-4

2011-2014



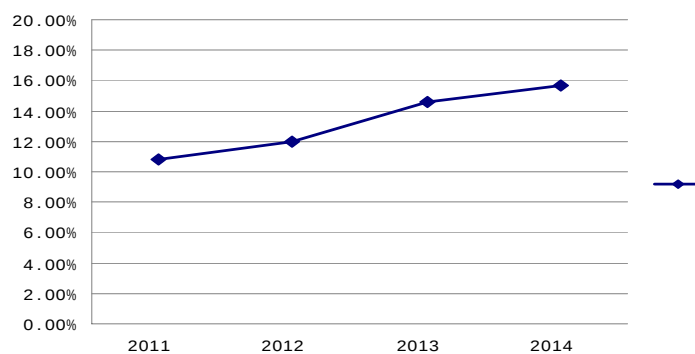
5-4

2011-2014

2014 9

5-5

2011-2014



5-5

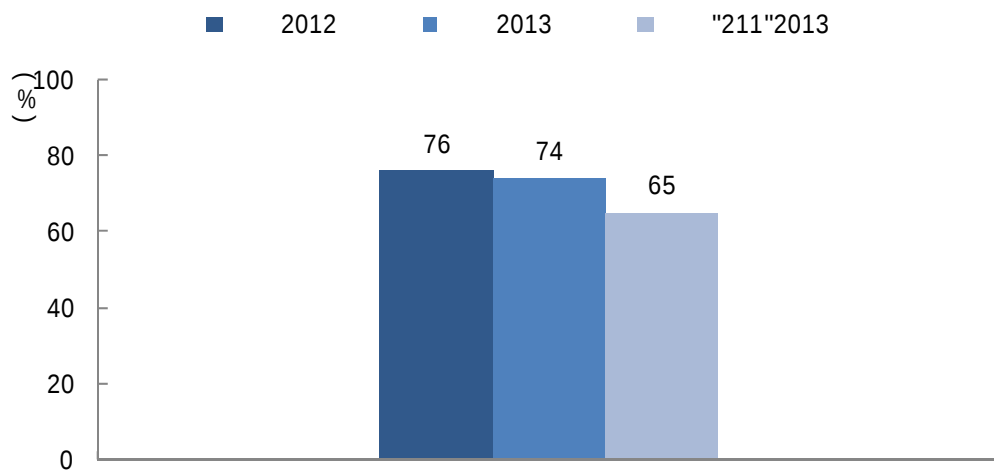
2011-2014

2014 9

2011 2013 2011 2014

1. 1

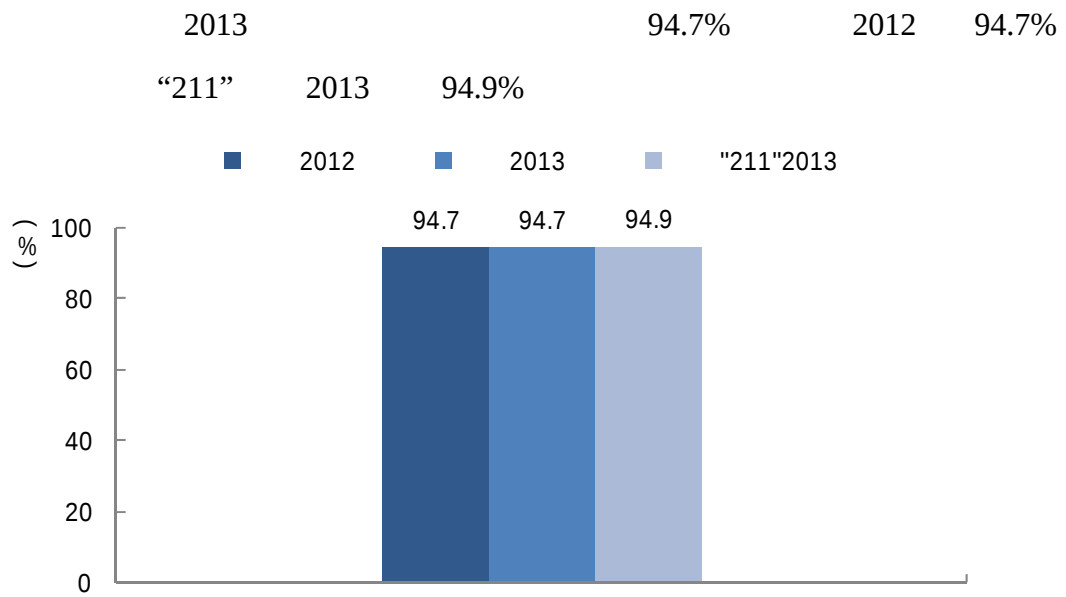
2013 74% 2012 76%
2 “211” 2013 65% 9



5-6 2013
- 2013

2.

2



5-7 2013

- 2013

3.

3

2013

4904 2012 4562 342 "211" 2013

4123 781

2

1

“

” “

” “

” “

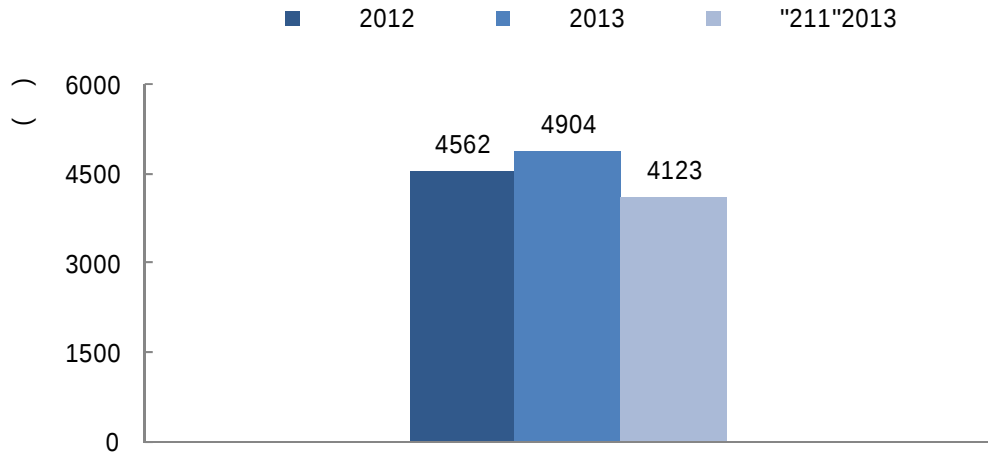
”

32

20

31

3



5-8 2013

- 2013

2013 65% 2012 64%

“211” 2013 73% 8

“ ” 43%

2013 53% 2012 54%

“211” 2013 44% 9

37%

32%

2013 15% 2012 14%

“211” 2013 13% 2

1. 4

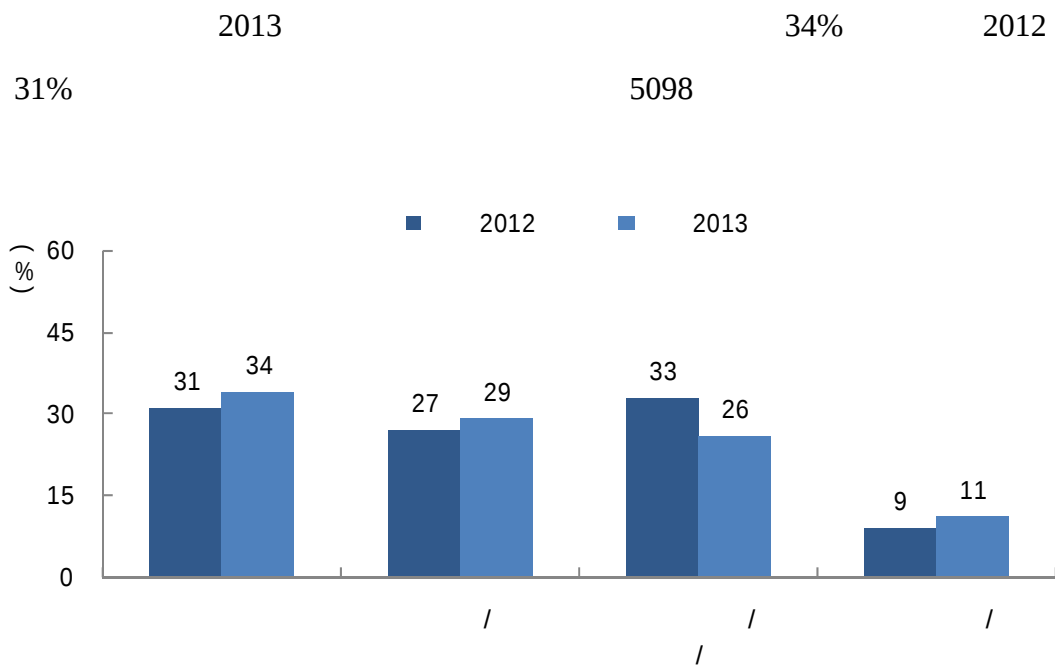
2013

“ ”

“ / / / / ” “ / ” 7

5-1	2013	8
	%	

3.



5-9

2013

- 2013

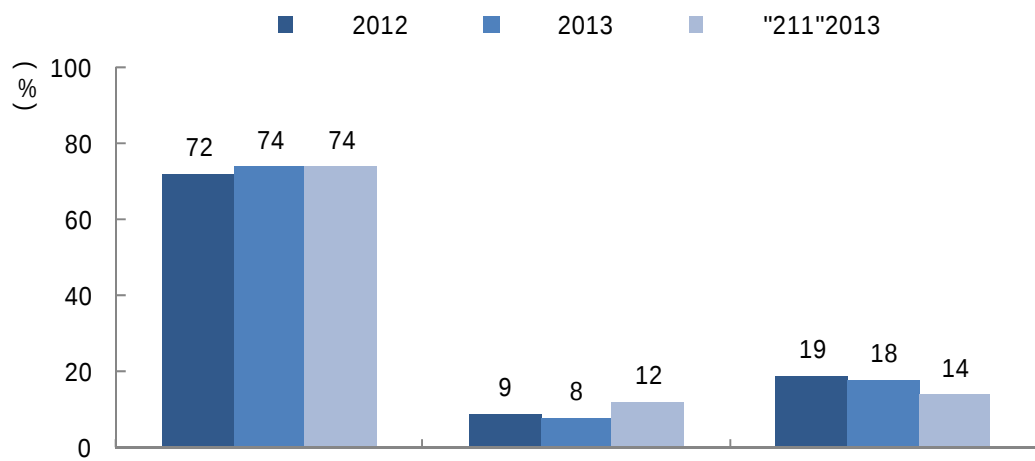
2013 2013

1. 6

2013 74% 2012 72%

2 “211” 2013 74% 8% 2012 9% “211”

2013 12% 4



5-11 2013 %

- 2013

2. 7

2013 94% 2012 94%

“211” 2013 91% 3

6

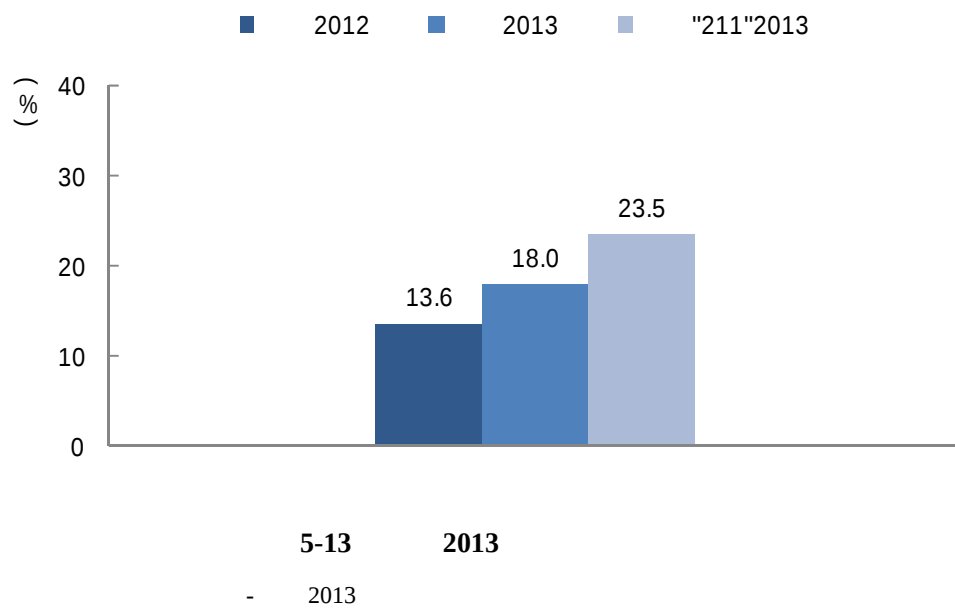
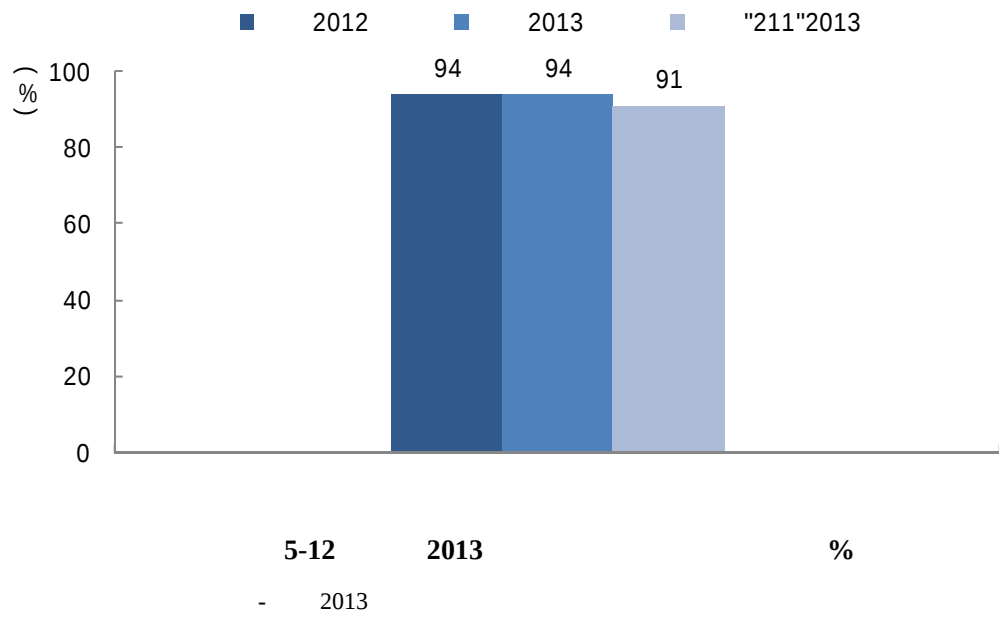
“ ” “ ” “ ” “ ”

” “ ”

7 “ ”

“ ” “ ” “ ” “ ” “ ” “ ” “ ”

“ ” “ ”



				2013	
18.0%	2012	13.6%	4.4		"211"
2013	23.5%	5.5			
2013			9.3%	2012	9.0%
"211"	2013	3.4%	5.9		

2014

65-70

”

2013-2014

”

2013

”

”

2014

1.

KPI

2014

3.2

2013

2.

2014

2014

3.

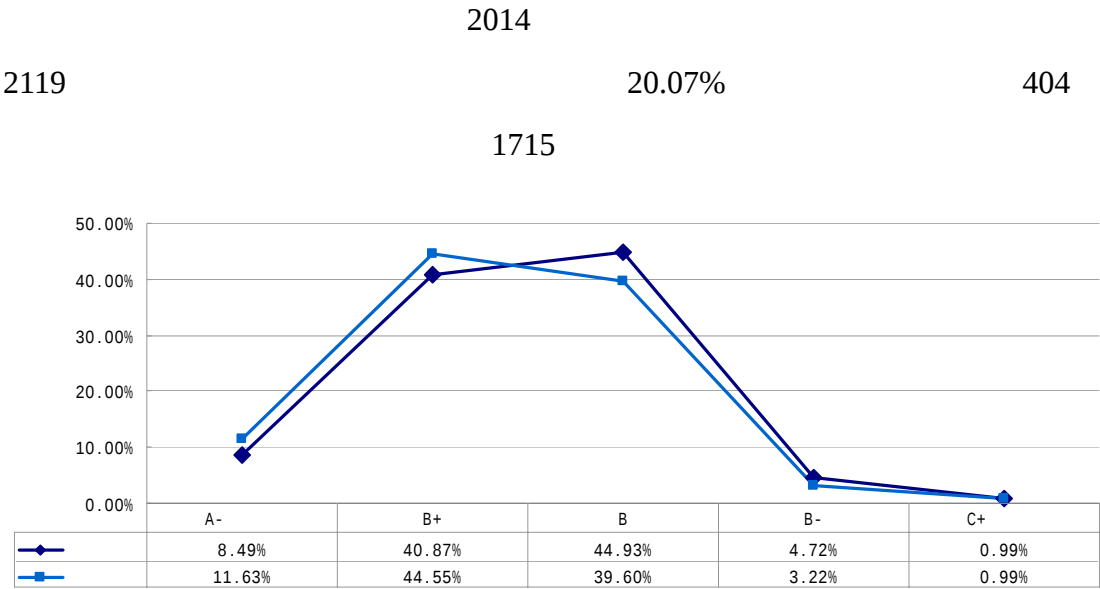
“

”

2014 90.99% 2013
94.87% B+
54.52% 6.85%

4.
2014

()



6-1 2014

“ ” 65-70

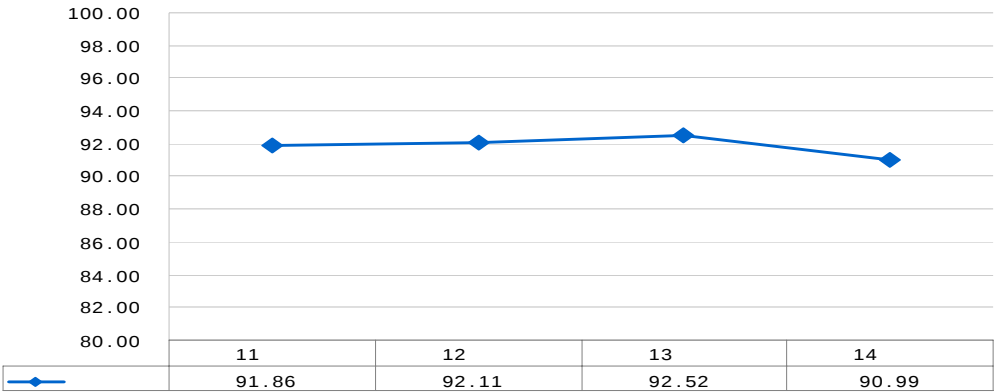
2013-2014

2014-2015

()

1.

1



6-2 2011-2014

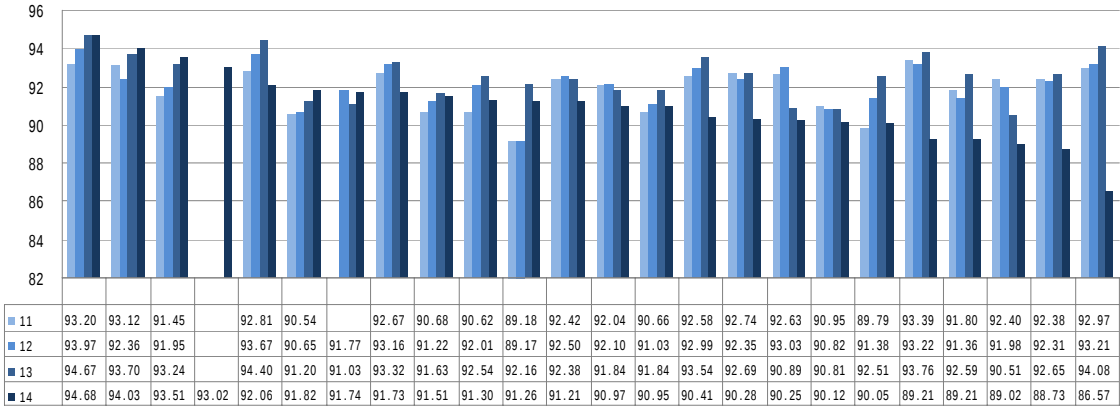
2011-2014

2

2014

6-3

2011-2014



6-3 2011-2014

2011-2014

2.

2014 9

23

6-1 2014

6-1

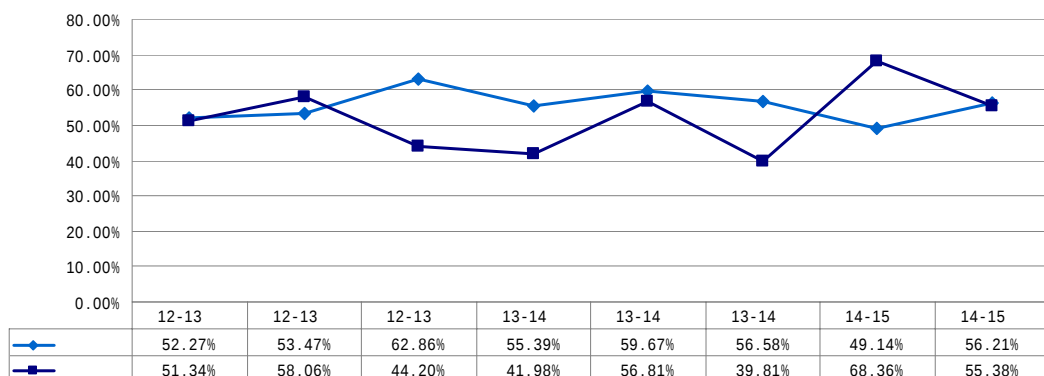
	14-15	3029	1623	53.58	405	13.37	1788	59.03	236	7.79
	14-15	309	186	60.19	31	10.03	198	64.08	17	5.5

	13-14	4906	2776	56.58	865	17.63	2971	60.56	645	13.15
	14-15	2969	1325	44.63	486	16.37	1498	50.45	293	9.87
	14-15	6097	3415	56.01	733	12.02	3573	58.6	521	8.55

	13-14	1304	801	61.43	193	14.8	854	65.49	157	12.04
	14-15	3164	1877	59.32	253	8	1967	62.17	164	5.18
	14-15	2763	1423	51.5	319	11.55	1598	57.84	262	9.48

	13-14	22625	12058	53.3	3938	17.41	14644	64.72	2743	12.12
	14-15	21910	10194	46.53	2712	12.38	12293	56.11	1895	8.65
	14-15	24771	10566	42.65	3858	15.58	13608	54.94	2598	10.49

6-4

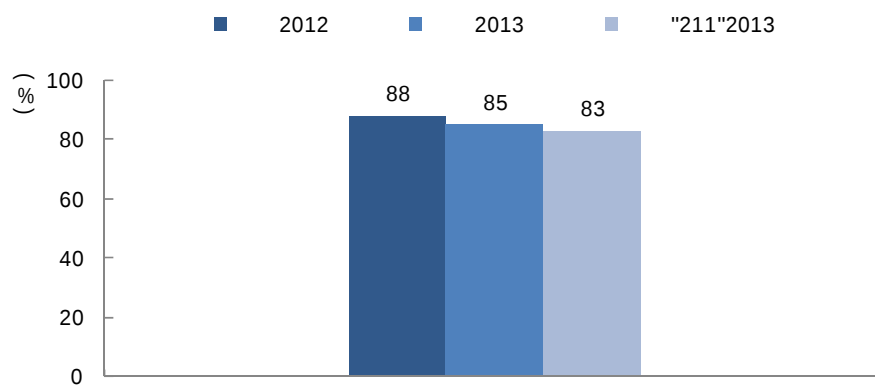


6-4 2012 9

B+

()

1.

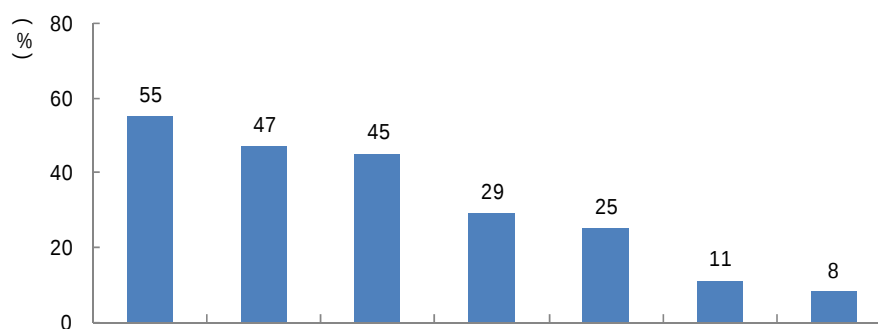


6-5 2013 %

- 2013

2013 85% 2012 88%

3 "211" 2013 83% 2



6-6 2013

- 2013

“ ”

55% “ ” 47% “ ”

45% 72%

“ ” 48% “ ”

8

69%



69%



3.

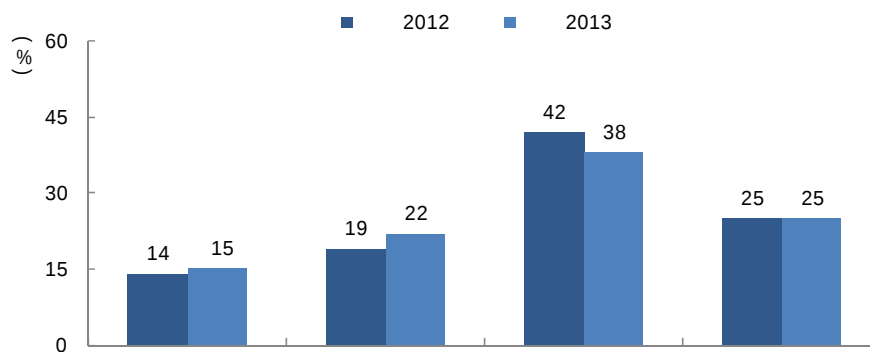
2013

37%

“ ” “ ”

2012

33% 4



6-9 2013

1.

“ ”

2004 49

“ ”

2015

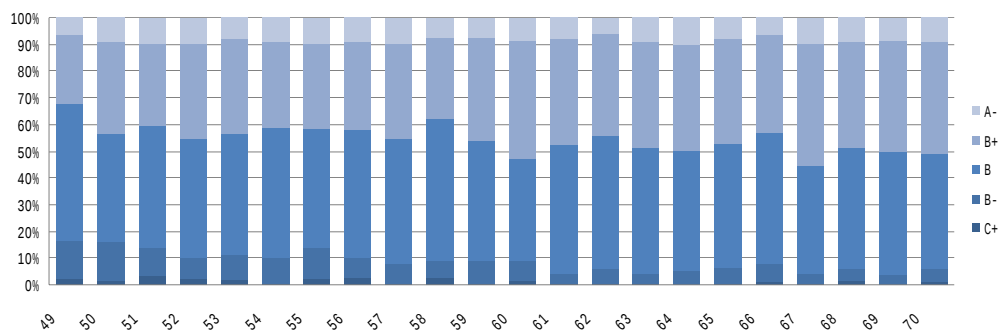
2

70

49 - 70 2011 9 -2015 2

6-9

(2011.09-2015.02)

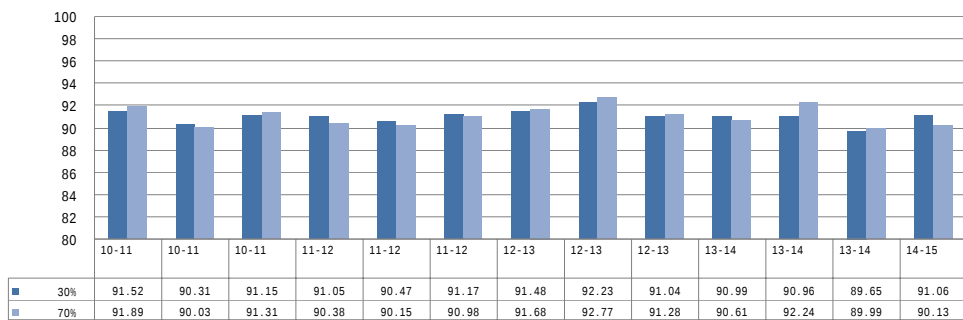


6-9

49-70

A:95-100 A-:90-94 B+: 85-89 B:80-84 B-:75-79 C+:70-74 C:60-69 D:<60

6-10



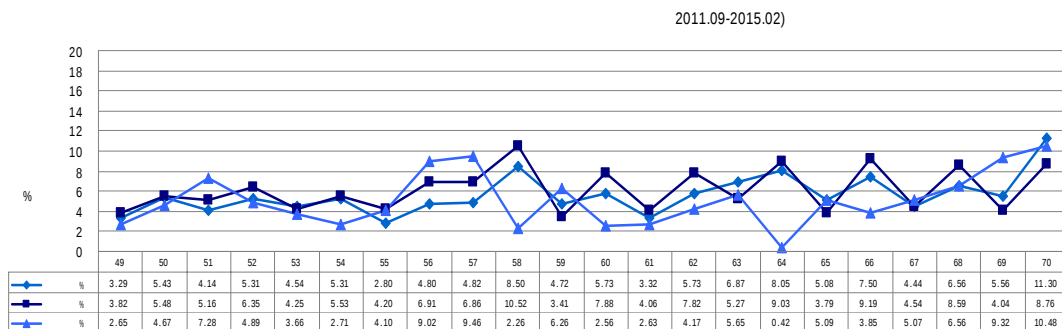
6-10 2011-2014

2.

2011 -2014

49 -

70



6-11

49-70

2004

“ ”

3.

2005

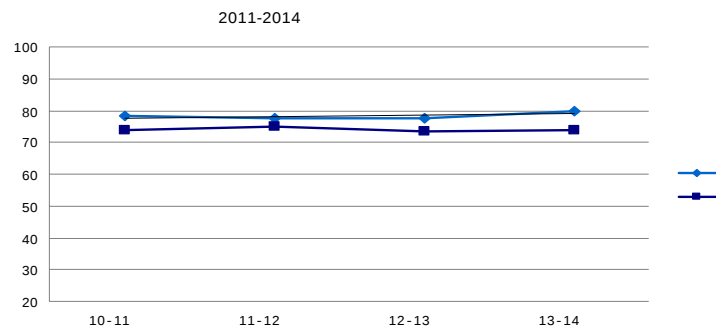
15%-20%

80

30

2010-2011

2013-2014



6-12

2011-2014

6 - 9

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