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지역사회건강조사
Community Health Survey

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2010년 지역건강통계 한눈에 보기

보건복지부
MINISTRY OF HEALTH & WELFARE

이용자를 위하여

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제1부 조사체계

Community Health Survey

Ⅰ. 조사 대상자

Ⅱ. 통계 추정방법

Community Health Survey

제1부 조사체계

Ⅰ. 조사 대상자

1. 모집단
2. 표본 추출
3. 조사 방법 및 체계
4. 조사 기간 및 현황

Ⅰ 조사 대상자

1. 모집단

2. 표본 추출

가. 1차 추출 : 표본지점

나. 2차 추출 : 가구

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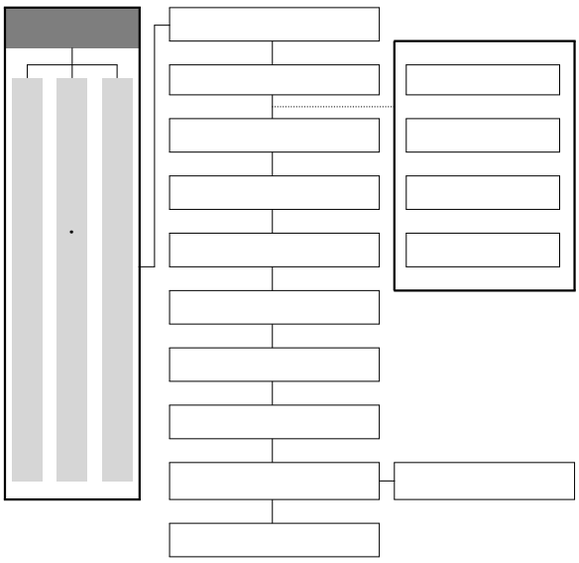
3. 조사 방법 및 체계

가. 조사방법



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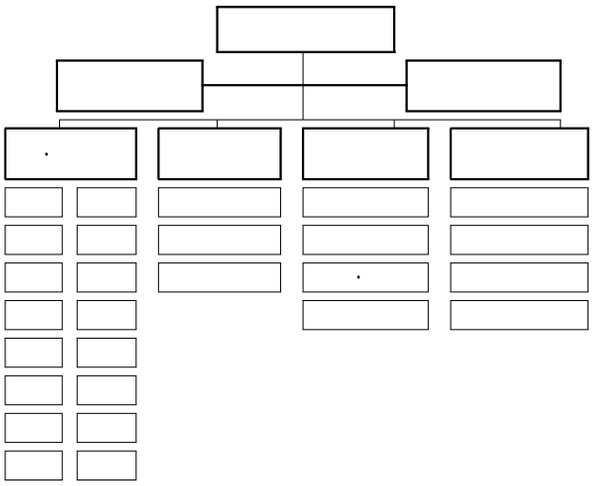

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다. 조사내용

라. 자료입력 및 관리

(1) 자료입력

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(2) 콜센터

(3) 자료검증 및 질관리

4. 조사 기간 및 현황

	2,240(19.7)	1,277(17.6)	600(17.3)	956(20.4)	352(15.6)	502(21.5)	270(12.7)	3,180(15.9)
	2,916(25.6)	1,938(26.8)	956(27.6)	1,310(28.0)	619(27.5)	706(30.2)	510(24.0)	5,410(27.1)
	2,506(22.0)	1,789(24.7)	729(21.1)	979(20.9)	485(21.5)	426(18.2)	496(23.4)	4,180(20.9)
	2,830(24.8)	1,629(22.5)	865(25)	1,050(22.4)	558(24.8)	528(22.6)	645(30.4)	5,309(26.6)
	663(5.8)	458(6.3)	252(7.3)	283(6.0)	180(8.0)	143(6.1)	158(7.4)	1,395(7.0)
	184(1.6)	118(1.6)	48(1.4)	83(1.8)	50(2.2)	26(1.1)	34(1.6)	387(1.9)
	54(0.5)	33(0.5)	12(0.3)	21(0.4)	9(0.4)	7(0.3)	9(0.4)	114(0.6)
	2,013(20.0)	2,111(29.6)	970(29.8)	1,100(27.5)	556(27.0)	434(21.5)	362(18.6)	3,485(20.2)
	2,203(21.9)	1,761(24.7)	858(26.4)	949(23.8)	496(24.1)	509(25.3)	421(21.7)	3,786(21.9)
	2,086(20.7)	1,423(19.9)	691(21.2)	847(21.2)	413(20.1)	427(21.2)	415(21.3)	3,935(22.8)
	1,231(12.2)	731(10.2)	308(9.5)	426(10.7)	205(10.0)	261(13.0)	228(11.7)	2,173(12.6)
	2,525(25.1)	1,111(5.6)	428(13.1)	671(16.8)	386(18.8)	383(19.0)	518(26.6)	3,889(22.5)
	321	254	238	252	265	281	336	303

	1,737(21.7)	1,276(22.0)	1,443(20.5)	1,519(24.0)	2,713(26.3)	2,659(23.2)	2,357(24.5)	667(25.6)
	2,904(36.2)	2,431(42.0)	2,630(37.4)	2,620(41.4)	4,155(40.3)	4,470(38.9)	3,407(35.5)	814(31.2)
	1,386(17.3)	1,002(17.3)	1,143(16.2)	855(13.5)	1,384(13.4)	1,823(15.9)	1,590(16.6)	449(17.2)
	1,317(16.4)	740(12.8)	1,157(16.4)	844(13.3)	1,177(11.4)	1,747(15.2)	1,605(16.7)	391(15.0)
	414(5.2)	233(4.0)	446(6.3)	334(5.3)	588(5.7)	558(4.9)	472(4.9)	220(8.4)
	178(2.2)	78(1.3)	165(2.3)	112(1.8)	191(1.9)	184(1.6)	121(1.3)	46(1.8)
	79(1.0)	32(0.6)	50(0.7)	52(0.8)	95(0.9)	42(0.4)	53(0.6)	18(0.7)
	2,839(36.8)	1,959(36.5)	2,492(38.8)	2,693(50.8)	4,785(51.2)	4,840(44.2)	3,825(42)	812(36.9)
	1,955(25.4)	1,306(24.3)	1,446(22.5)	1,137(21.5)	1,839(19.7)	2,312(21.1)	1,755(19.3)	525(23.8)
	1,415(18.4)	965(18)	1,084(16.9)	724(13.7)	1,272(13.6)	1,771(16.2)	1,462(16.1)	389(17.7)
	632(8.2)	441(8.2)	560(8.7)	302(5.7)	536(5.7)	785(7.2)	751(8.3)	170(7.7)
	869(11.3)	698(13)	844(13.1)	441(8.3)	918(9.8)	1,239(11.3)	1,307(14.4)	306(13.9)
	212	225	216	170	193	196	222	223

Community Health Survey

제1부 조사체계

Ⅱ. 통계 추정방법

1. 가중치의 사용
2. 무응답처리
3. 연령표준화
4. 분산추정

Ⅱ 통계 추정방법

1. 가중치의 사용

가. 소개

나. 가중치 산출 과정

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(1) 가구 가중치

$$W_{hi} = \frac{M_{hi}}{n_{hi}} = \frac{e_{hi} \cdot N_{hi}}{n_{hi}}$$

N_{hi} h i

M_{hi} h i

n_{hi} h i

e_{hi} h i

(2) 개인 가중치

$$W_{hijkl} = W_{hijk} \times \frac{P_{hijk}}{p_{hijk}}$$

P_{hijk}

p_{hijk}

(3) 보정가중치

$$W'_{hijkl} = BF_d \cdot W_{hijkl}$$

$$BF_d = \frac{d(\text{성별 · 연령대별})\ \text{주민등록인구수}}{\sum_h \sum_i \sum_{jkl} W_{hijkl} I_{d \in \text{성별 · 연령대별}}}$$

2. 무응답처리

3. 연령표준화

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4. 분산추정

- $$\widehat{\overline{Y}_g} = \frac{\left(\sum_h \sum_j \sum_k \sum_l w_{ghjkl} y_{ghjkl}\right)}{w_{g....}}$$

  g h j

  k l

  $W_{g....} = \sum_{h=1} \sum_{j=1} \sum_{k=1} \sum_{l=1} W_{ghjkl}$ g

- $$\hat{V}(\widehat{\overline{Y}_g}) = \sum_{h=1} \sum_{j=1} \frac{n_{ghj}(1-f_{ghj})}{n_{ghj}-1} \sum_{k=1}^{n_{ghj}} (e_{ghjk} - \overline{e_{ghj.}})^2$$

$$e_{ghjk} = \frac{(\sum_{l=1} W_{ghjkl}(y_{ghjkl} - \widehat{\overline{Y}_g}))}{W_{g....}}$$

$$\overline{e_{ghj..}} = (\sum_{k=1} e_{hjk}) / n_{ghj}$$

제2부 주요통계결과

Community Health Survey

Ⅰ. 건강행태

Ⅱ. 건강검진 및 예방접종

Ⅲ. 이환 및 의료이용

Ⅳ. 사고 및 중독(손상)

Ⅴ. 활동제한 및 삶의 질

Ⅵ. 보건기관 이용

Community Health Survey

제2부 주요통계결과

Ⅰ. 건강행태

1. 흡연
2. 음주
3. 안전의식
4. 운동 및 신체활동
5. 비만 및 체중조절
6. 구강건강
7. 정신건강

1 흡연

가. 현재흡연율

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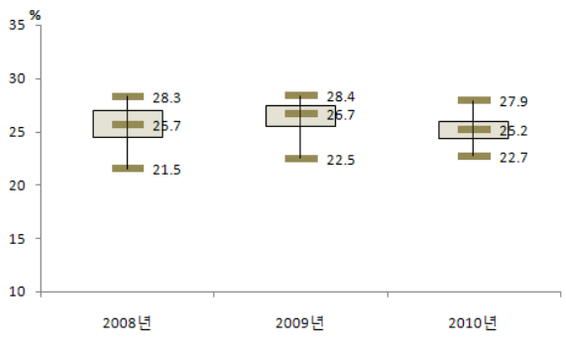
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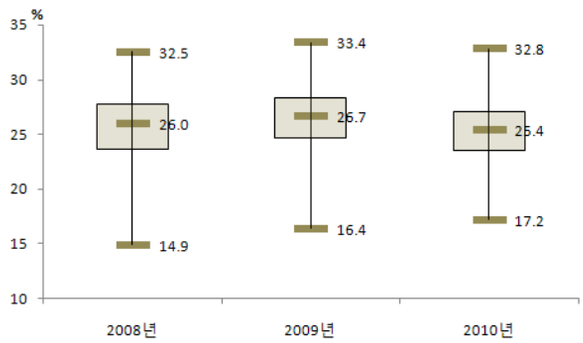
2009년
2010년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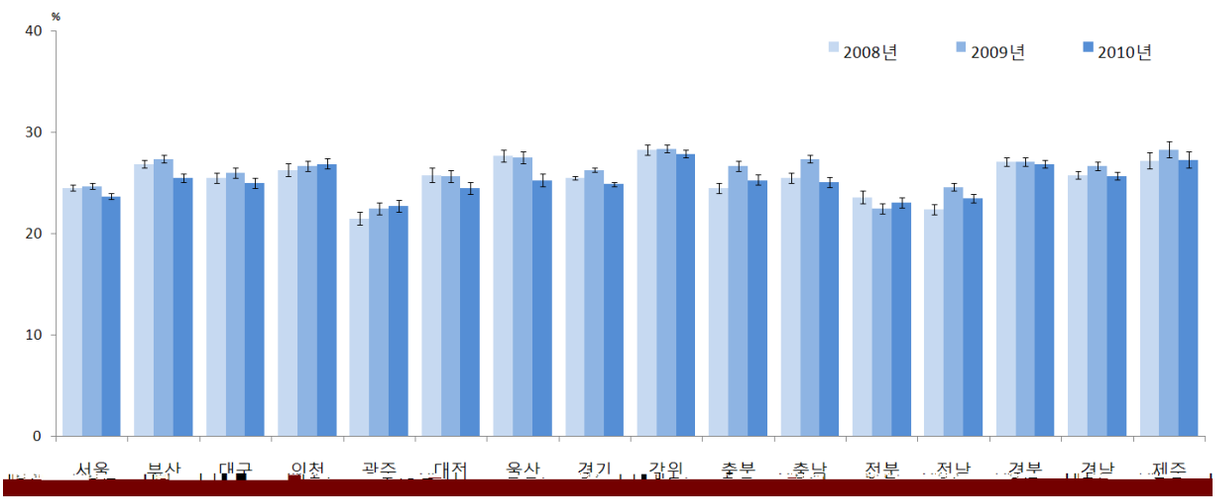
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나. 남자 현재흡연율

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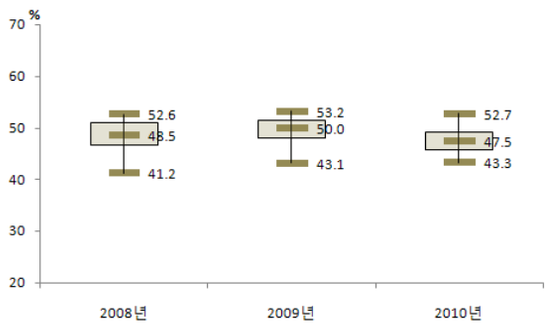
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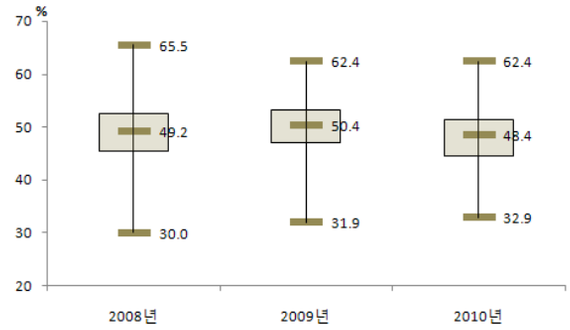
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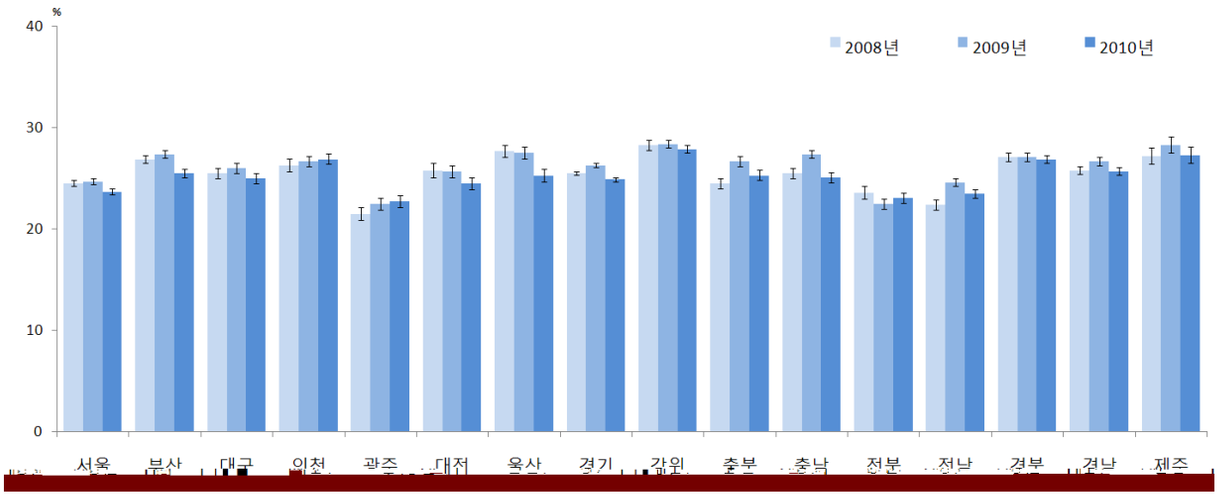
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대전
울산
경기
강원
충북
충남
전북
전남
경북
경남
제주

다. 흡연자의 1개월 내 금연계획률[2)]

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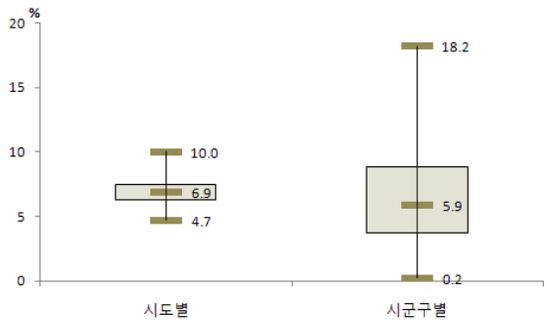

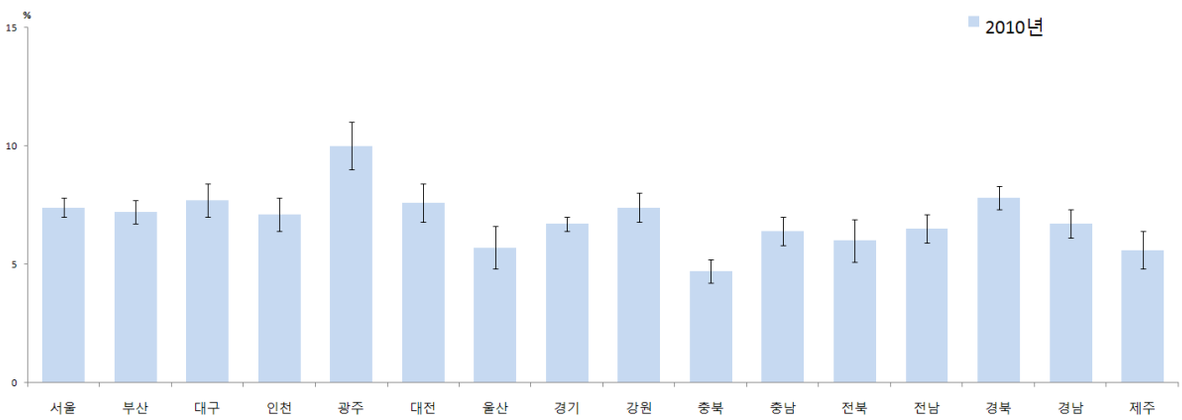

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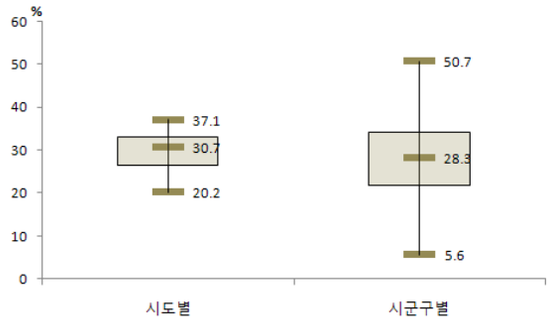
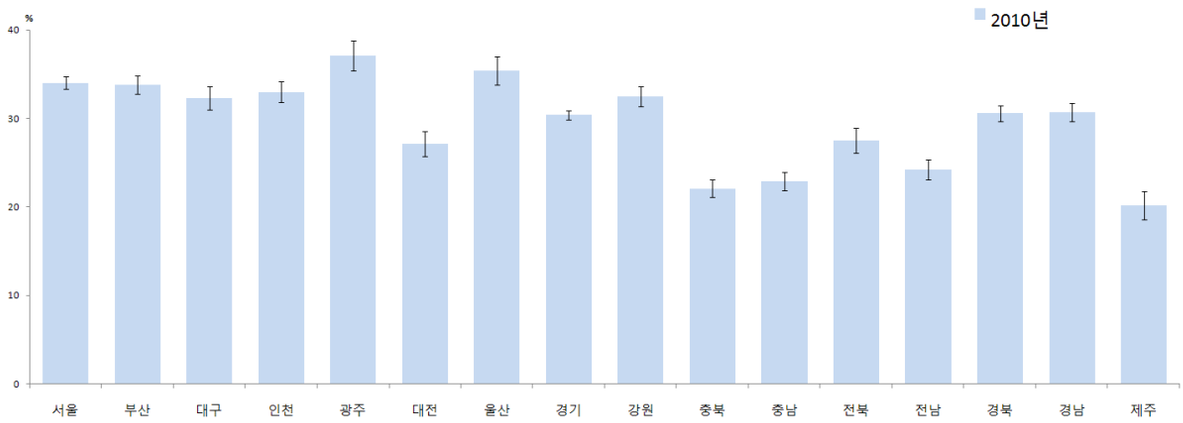
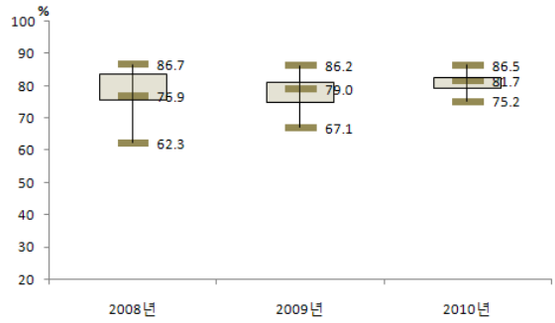




마. 금연캠페인 경험률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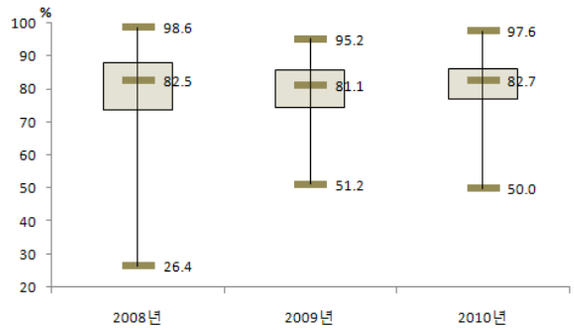
2008년
2009년
2010년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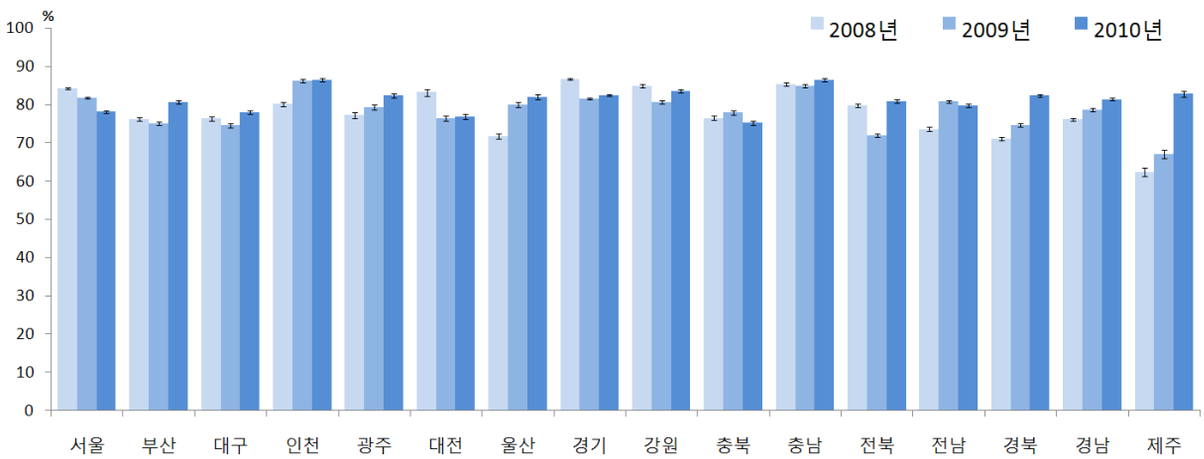
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강원
충북
충남
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제주

2 음주

가. 월간음주율

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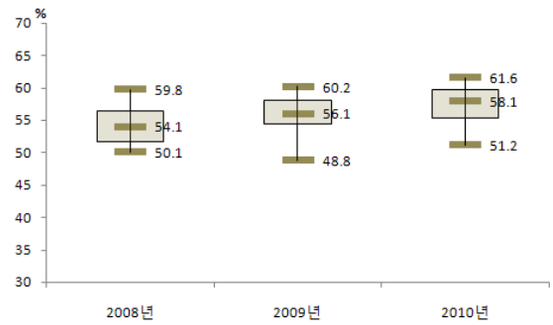
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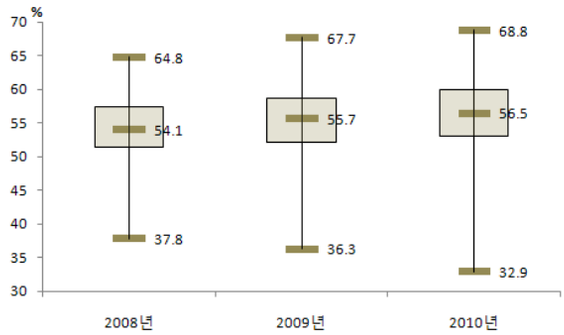
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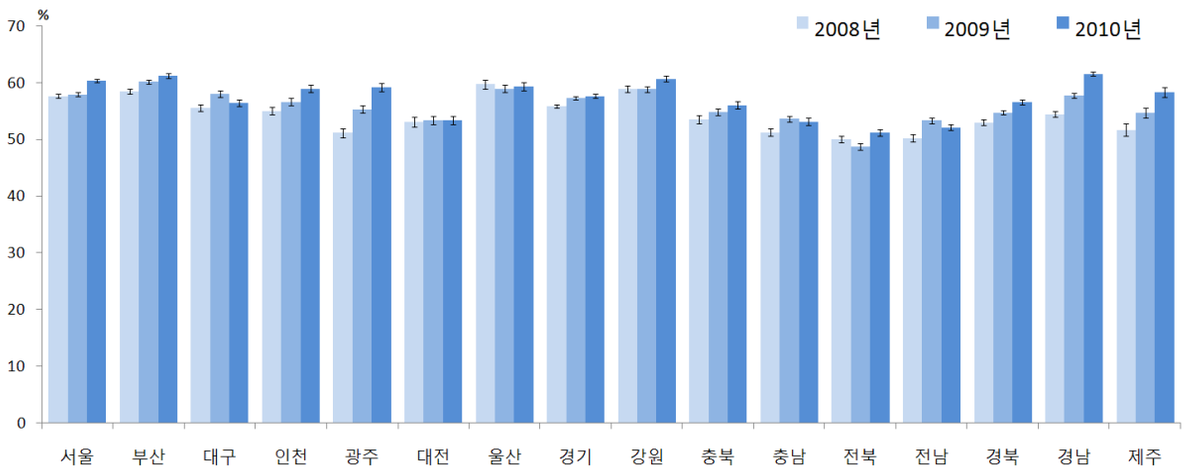
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제주

나. 고위험 음주율

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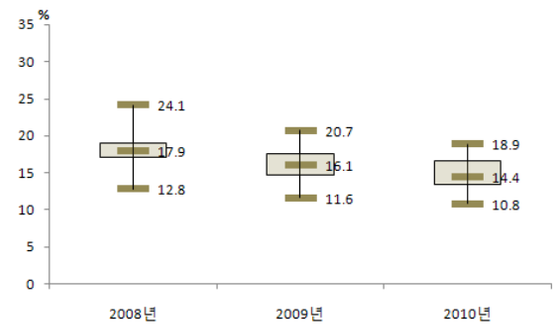
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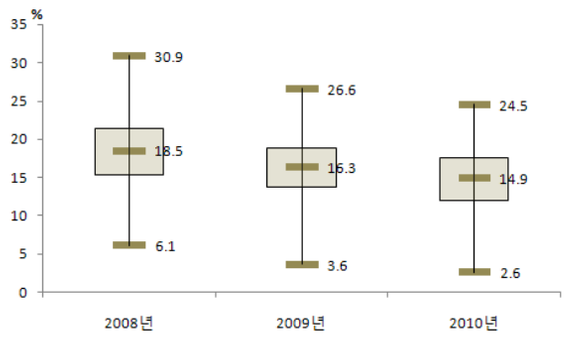
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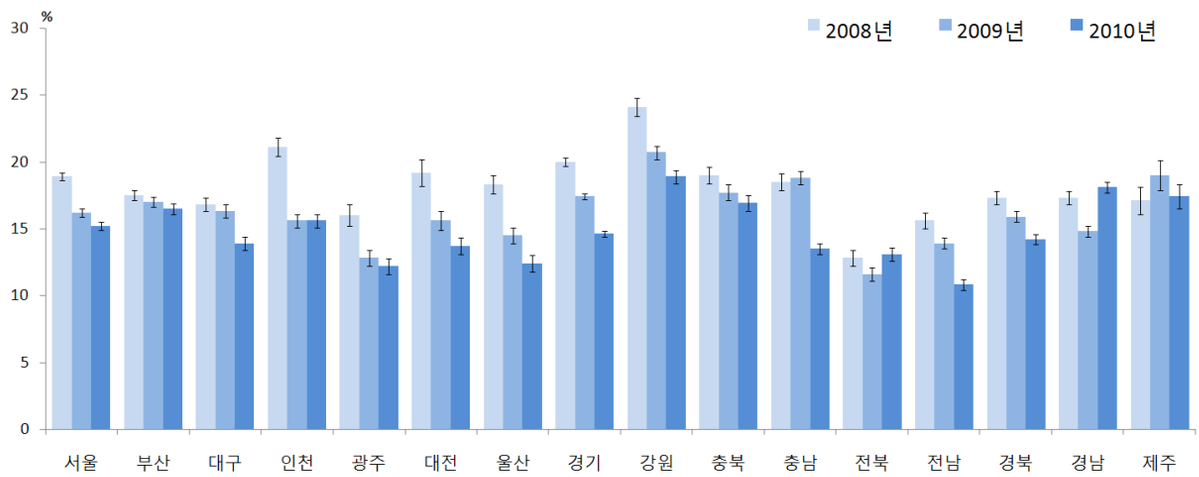
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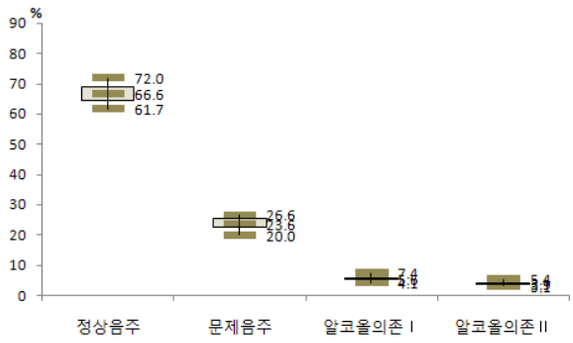
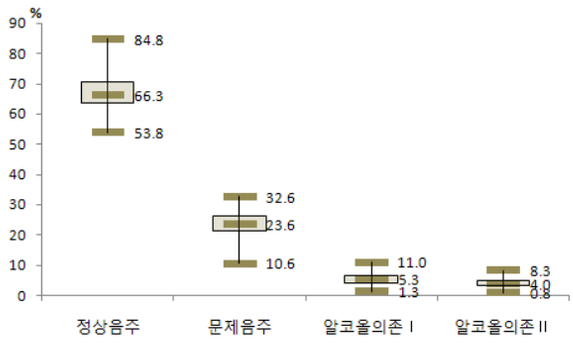
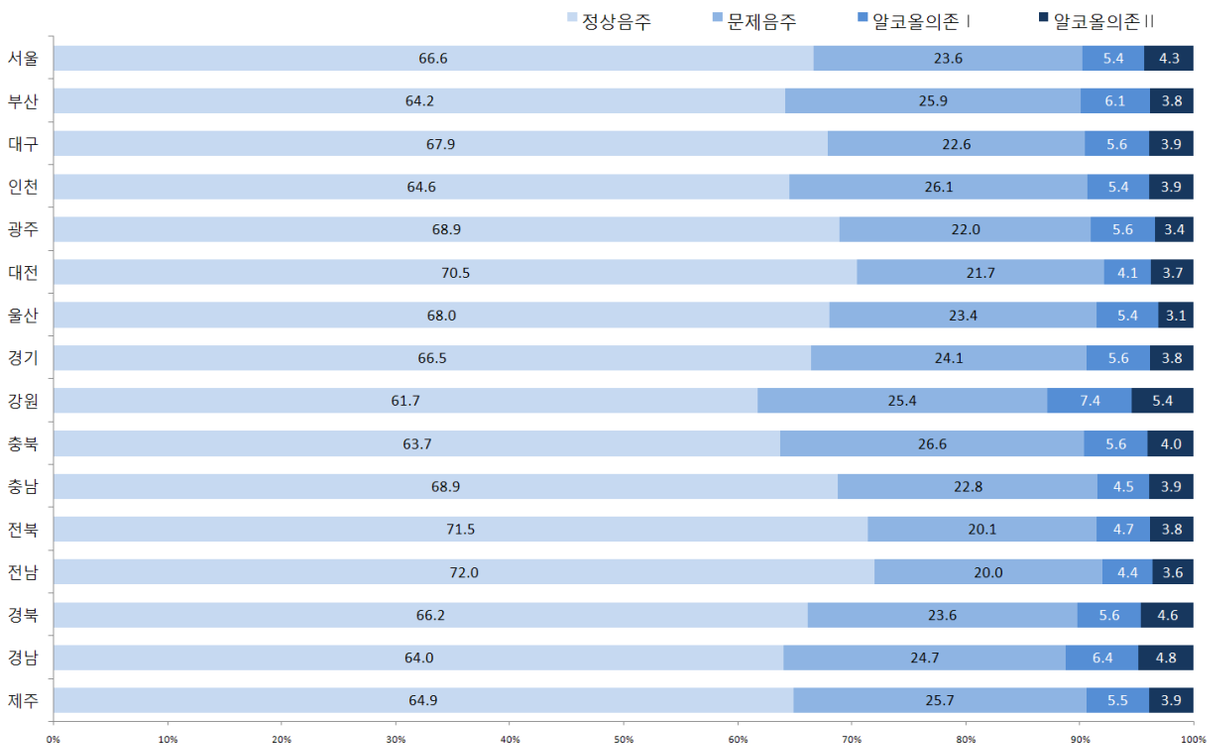
제주

다. 정상음주, 문제음주, 알코올의존Ⅰ 및 알코올의존Ⅱ

- 4)







3 안전의식

가. 운전 시 안전벨트 착용률

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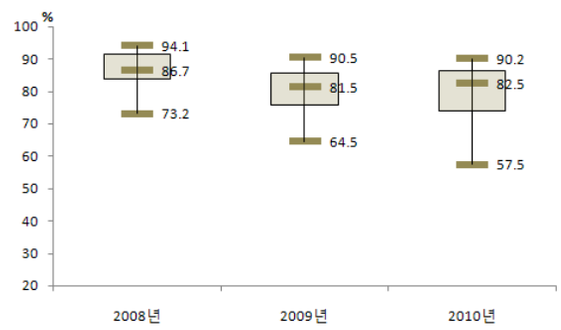

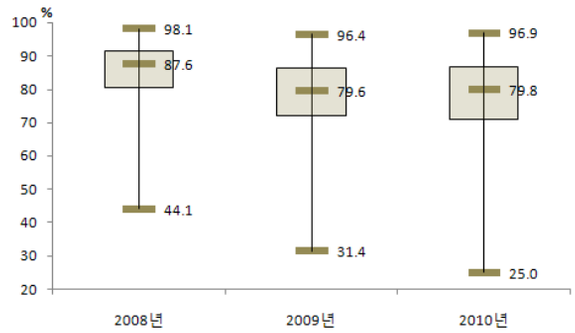

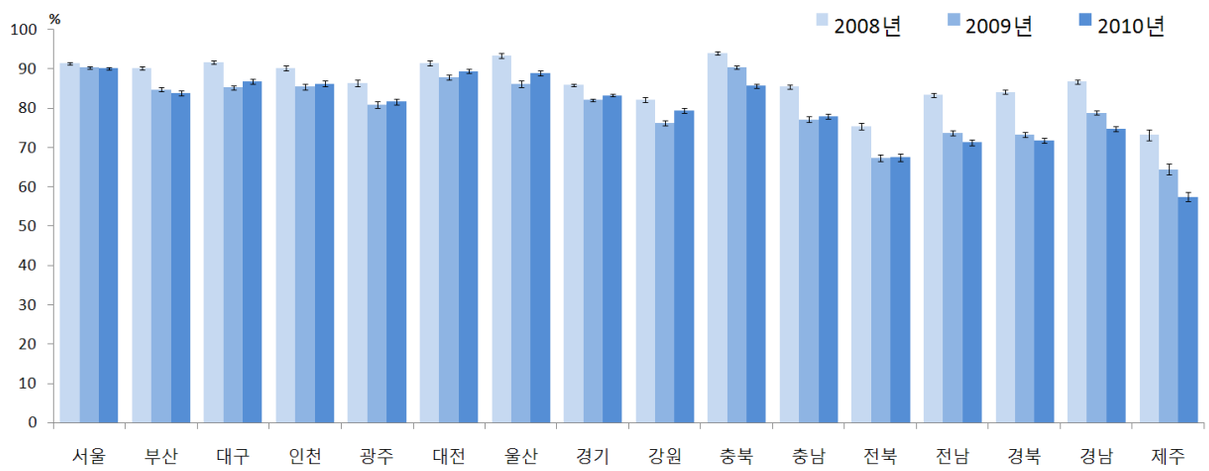

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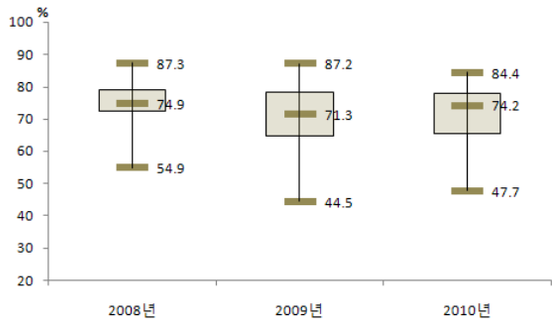

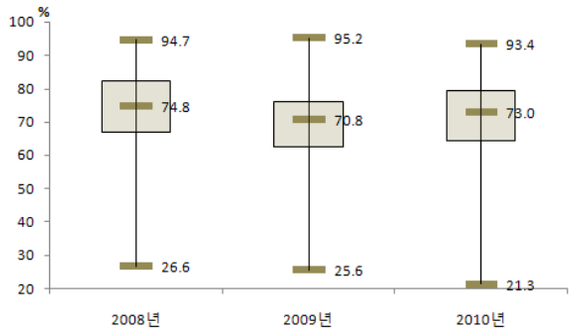

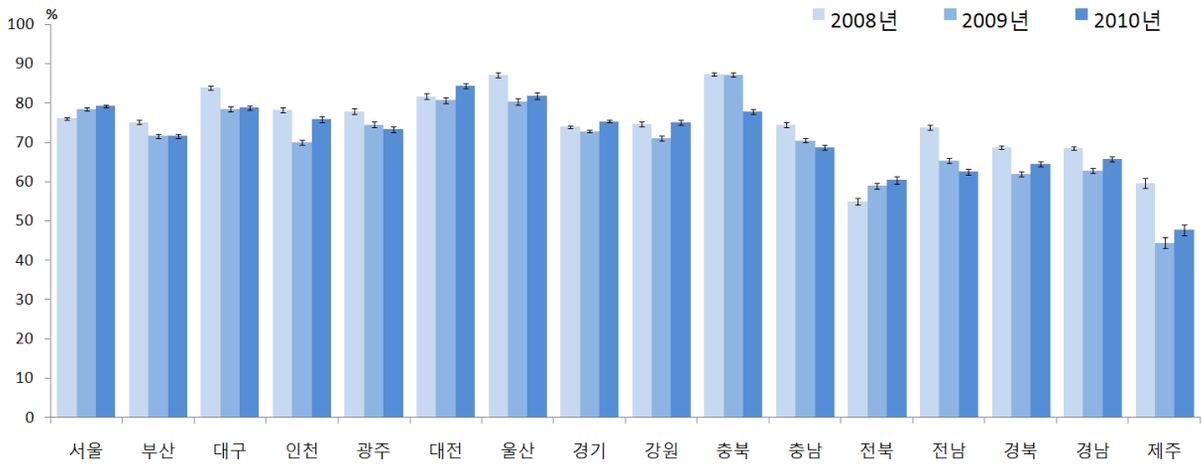

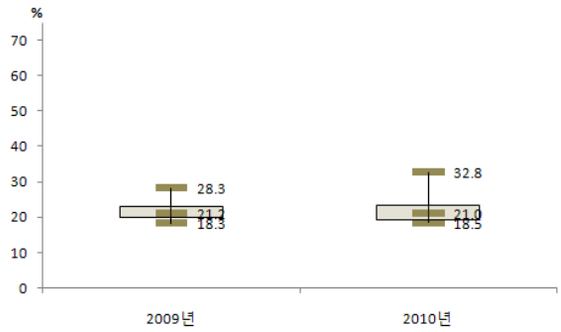
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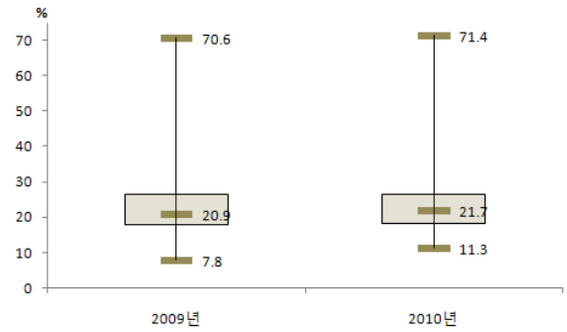
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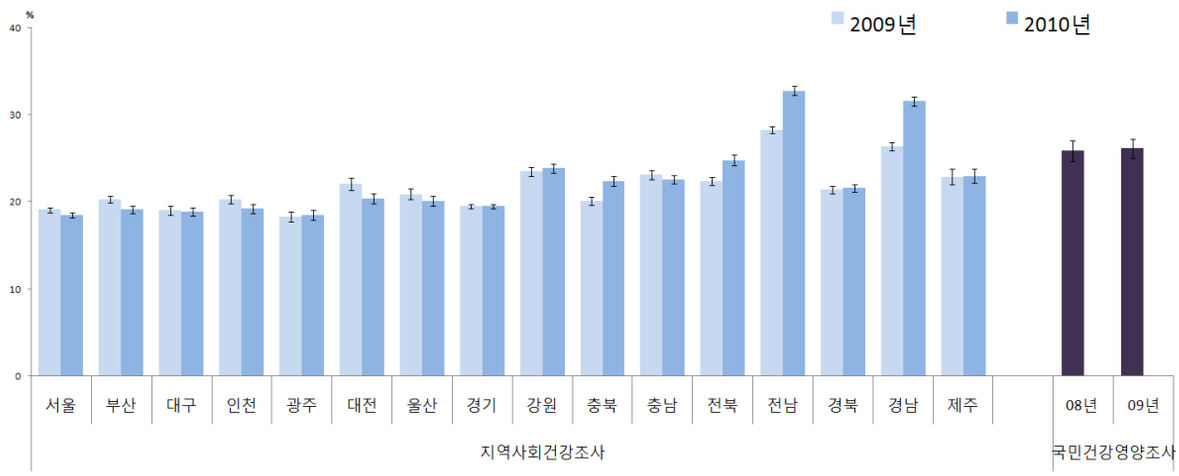
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지역사회건강조사
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나. 걷기실천율[6)]

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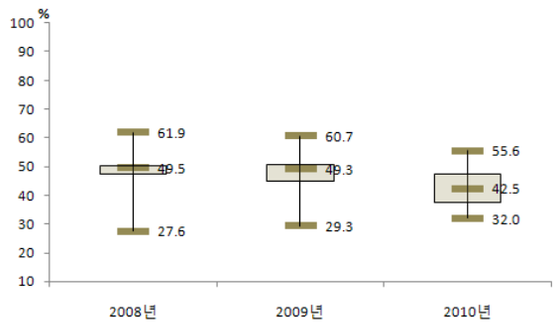
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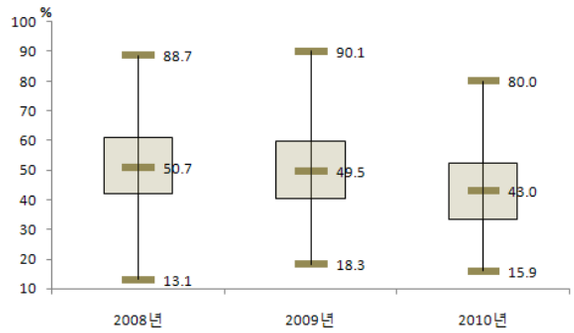
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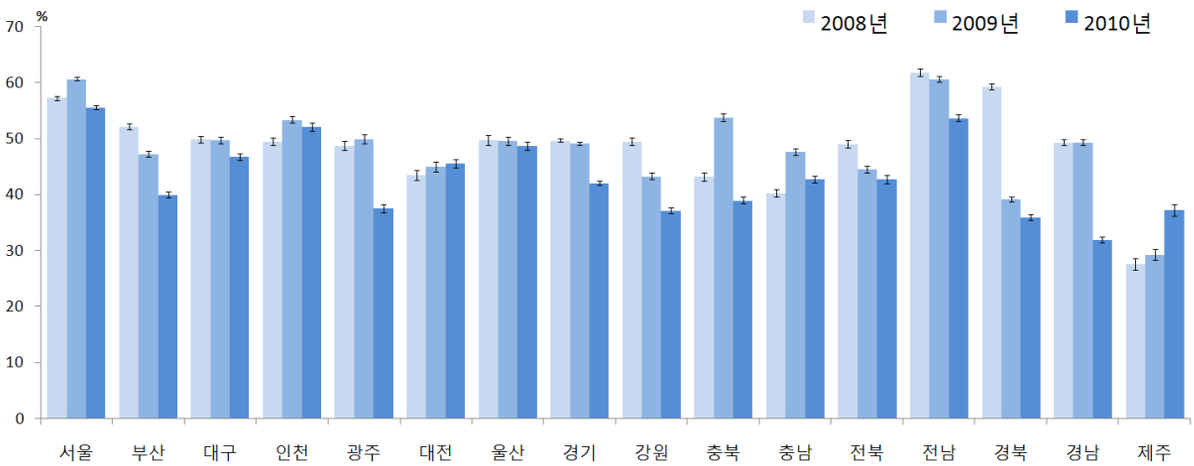
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제주

5 비만 및 체중조절

가. 비만율[7)]

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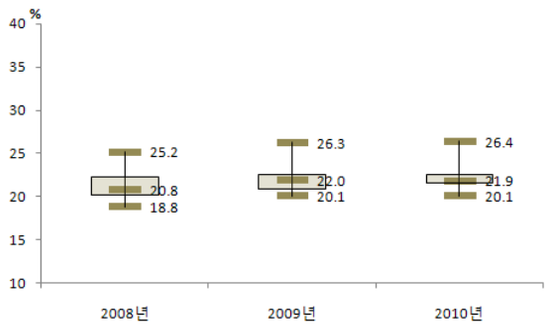

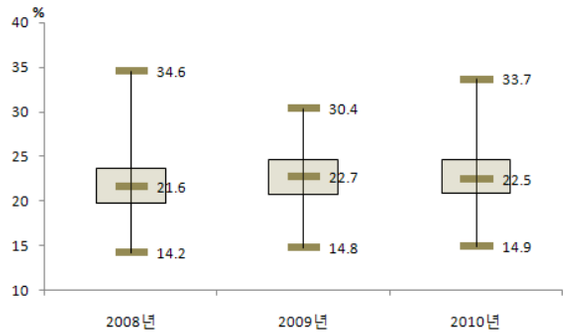

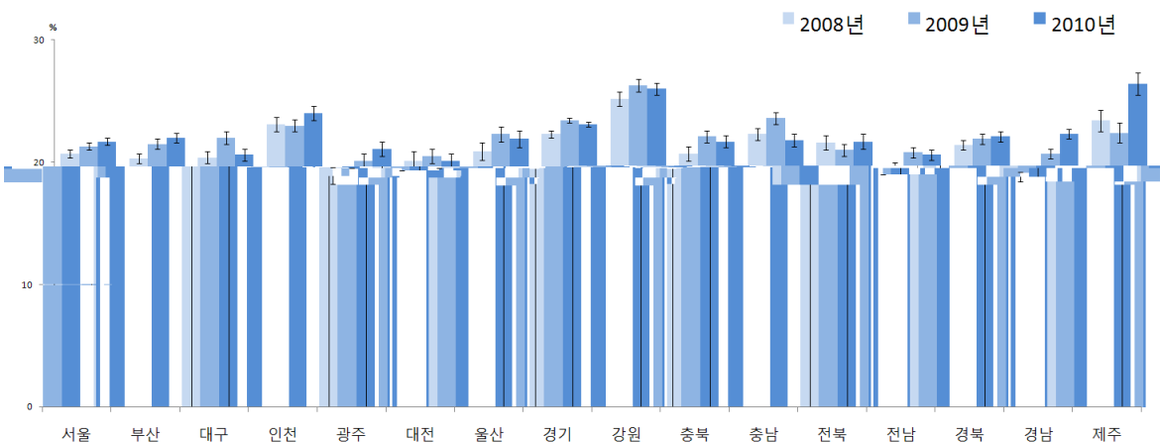

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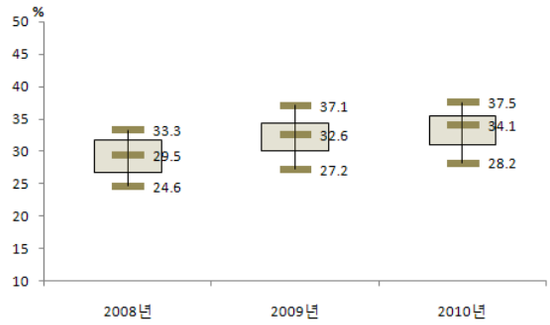
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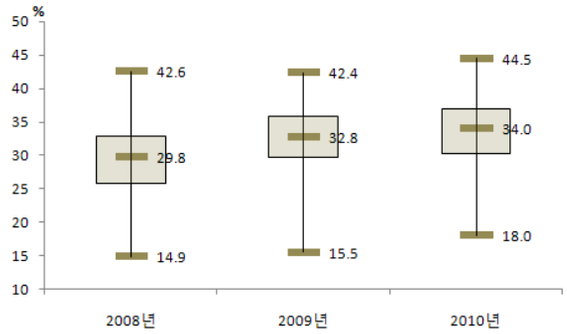
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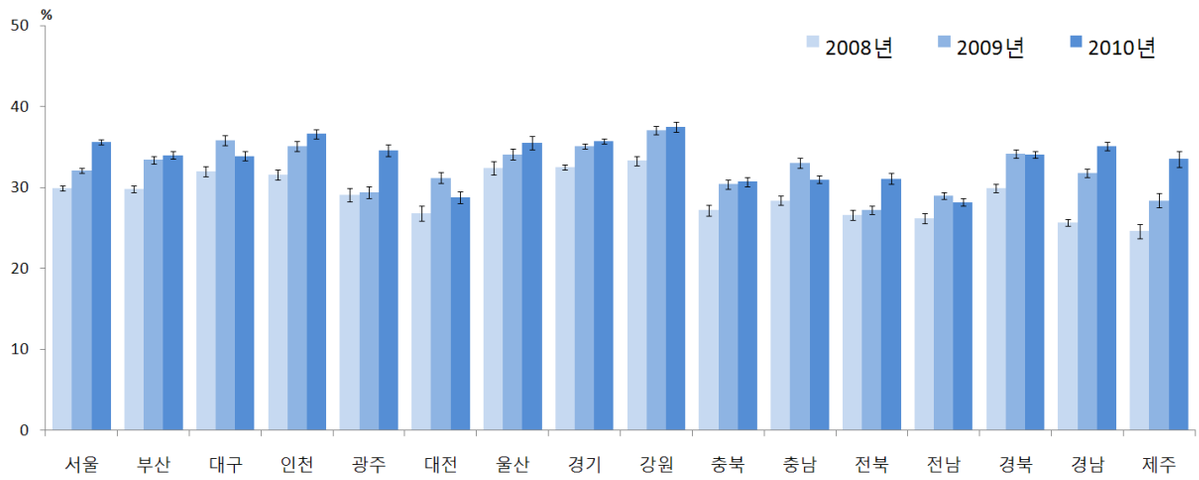
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전남
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6 구강건강

가. 저작불편호소율(65세 이상)

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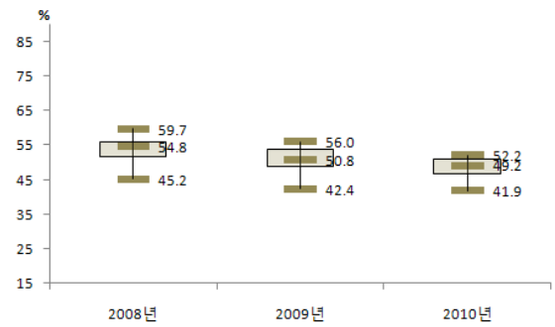

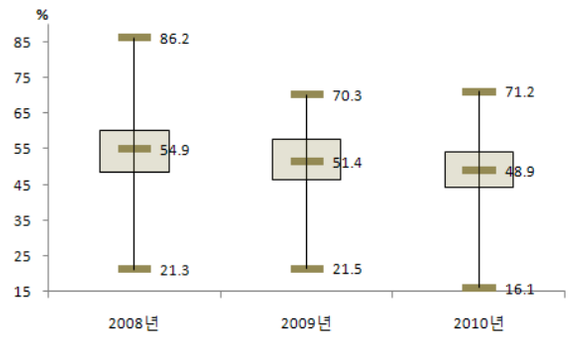

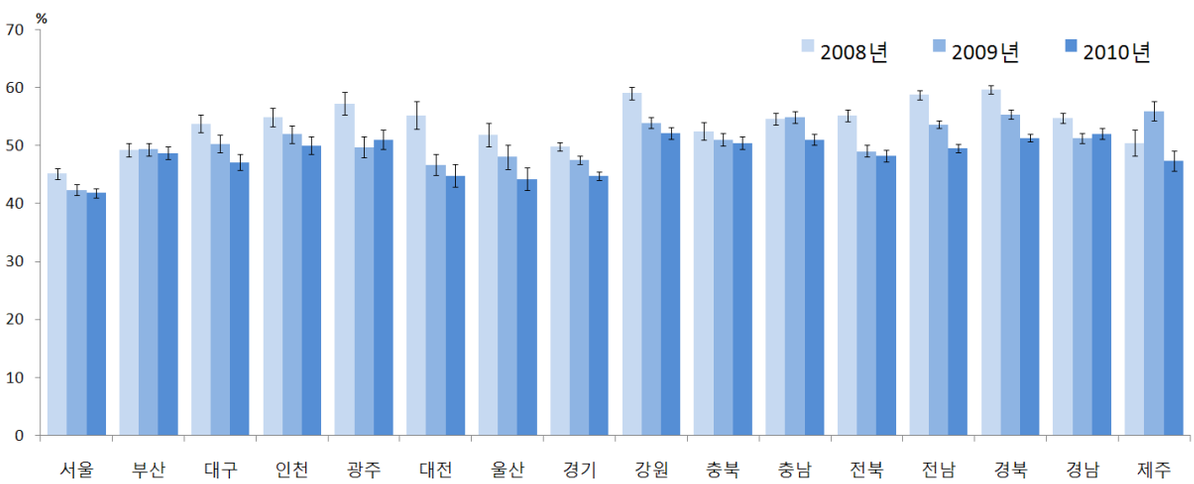

나. 점심식사 후 칫솔질 실천율[8)]

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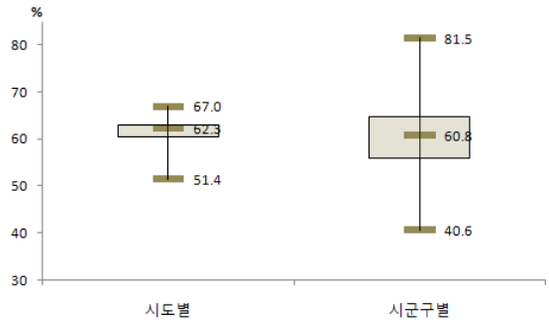

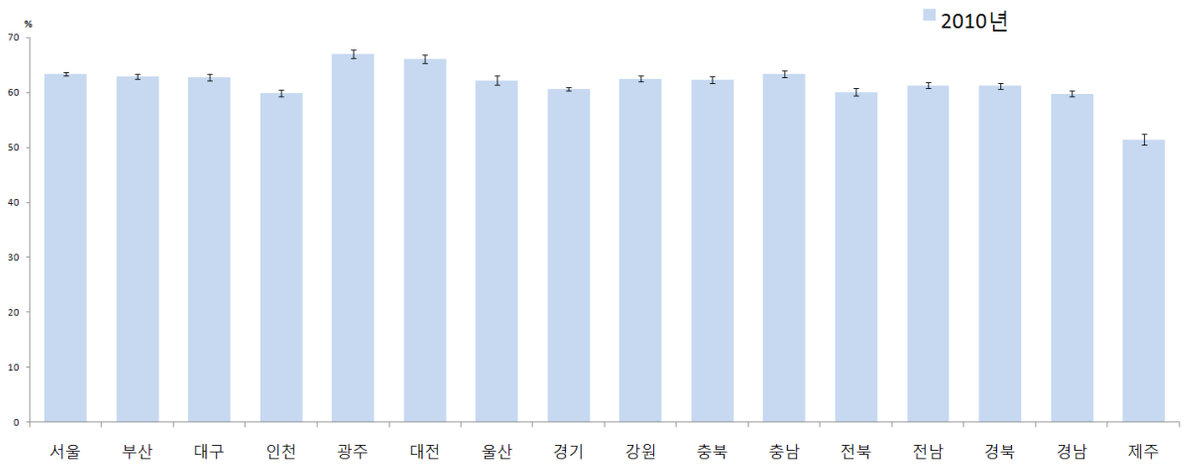

☑

7 정신건강

가. 스트레스 인지율

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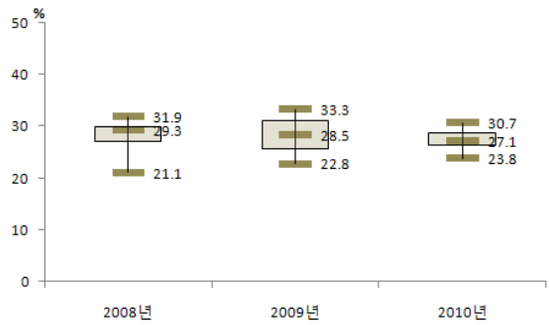

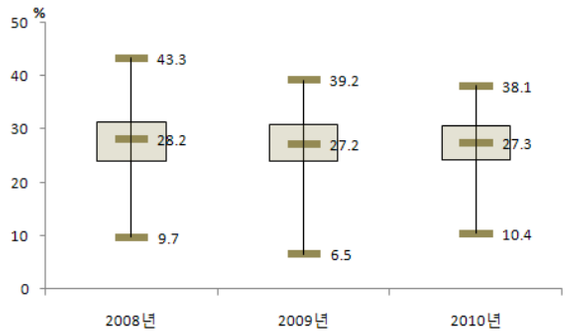

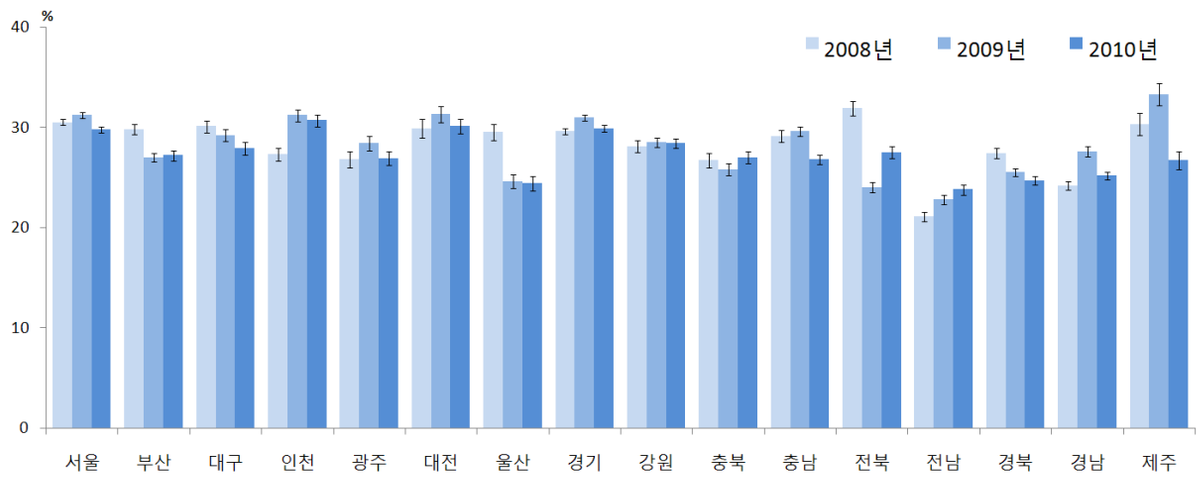

나. 우울감 경험률

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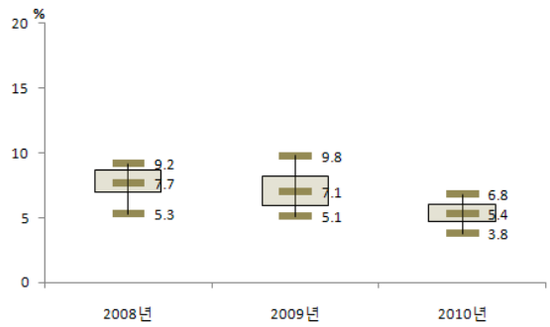
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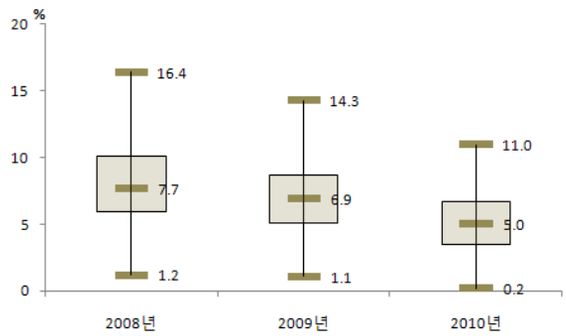
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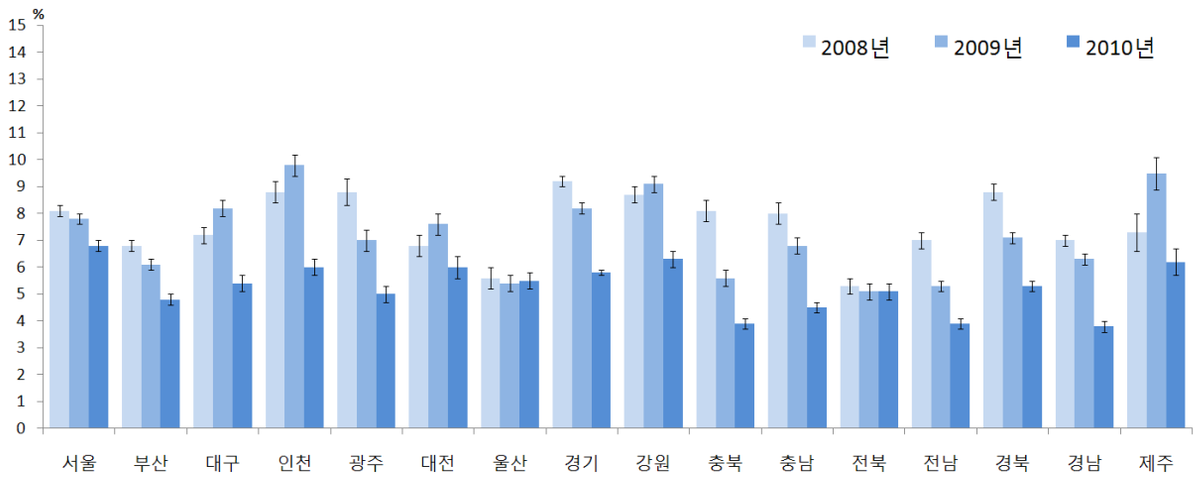
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경남
제주

Community Health Survey

제2부 주요통계결과

Ⅱ. 건강검진 및 예방접종

1. 연간 인플루엔자 예방접종률
2. 신종인플루엔자 예방접종률
3. 건강검진 수진율
4. 암 검진율

Ⅱ 건강검진 및 예방접종

1. 연간 인플루엔자 예방접종률

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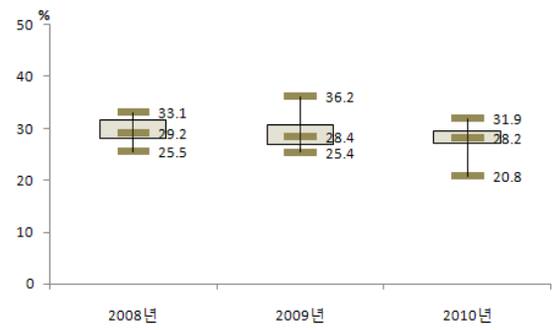

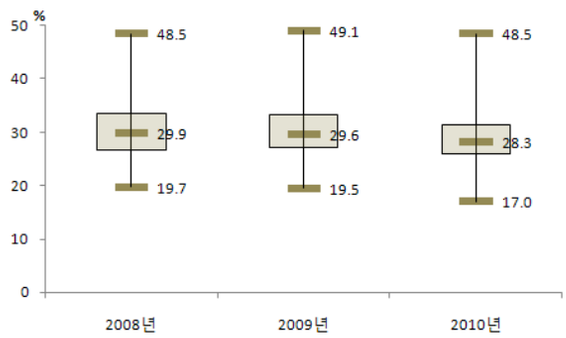

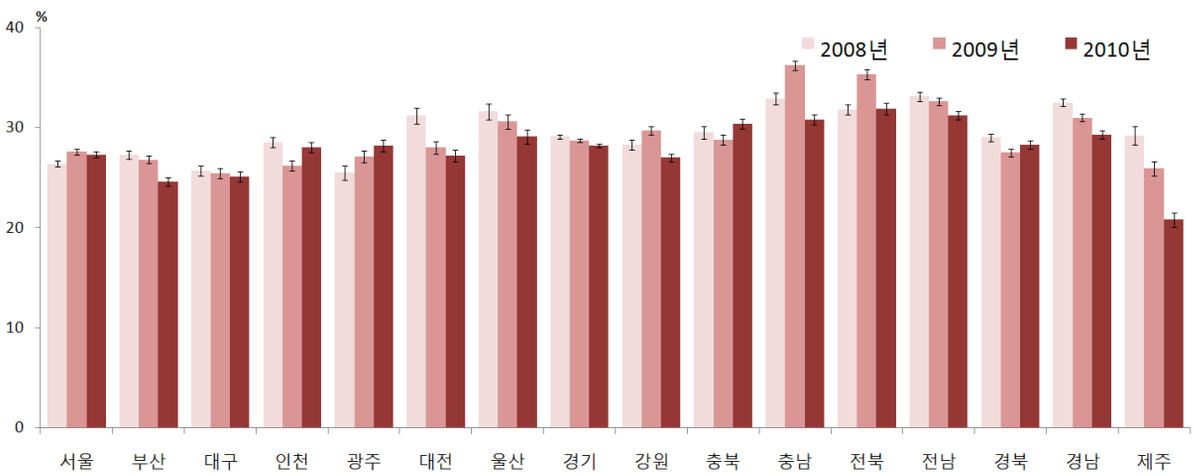

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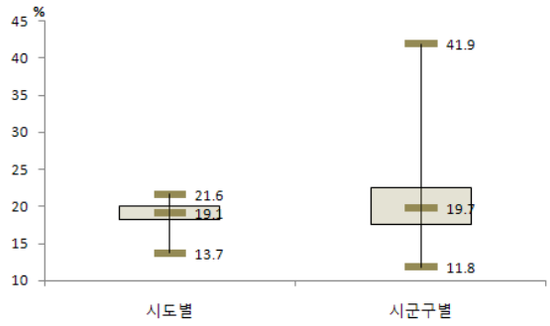

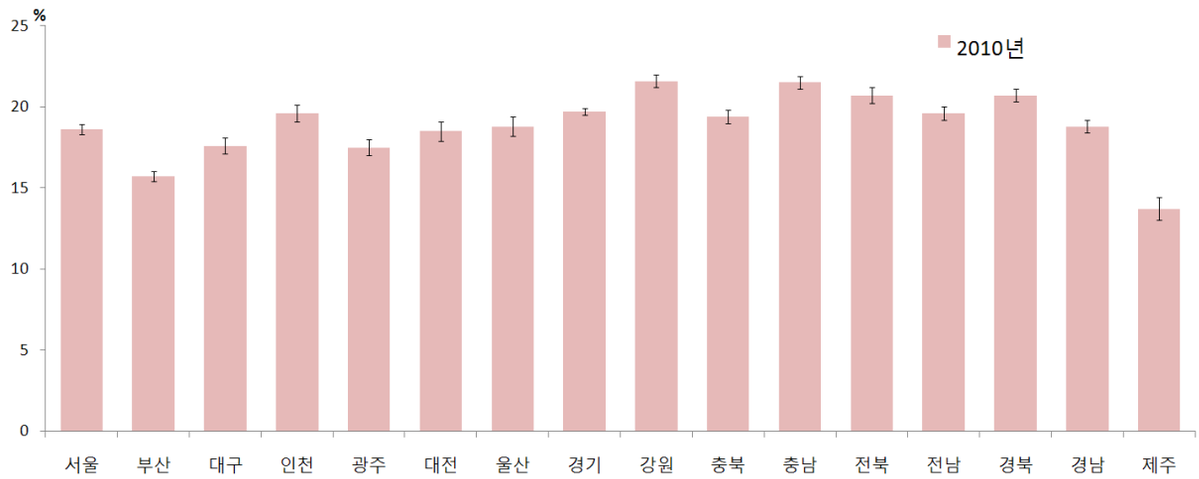

3. 건강검진 수진율

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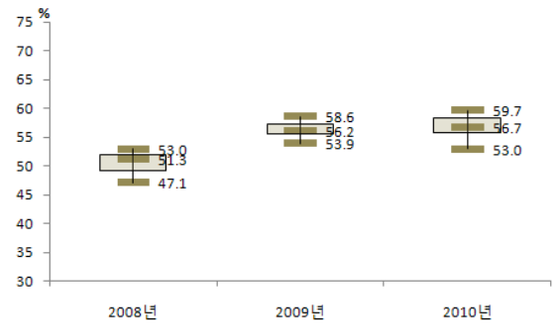
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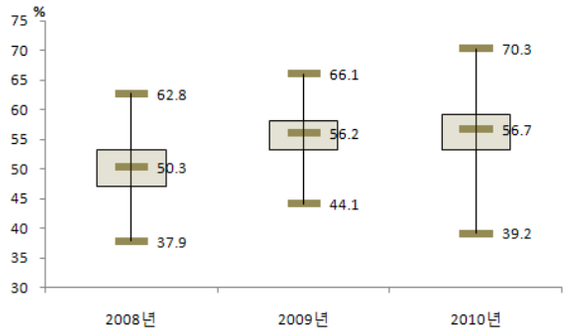
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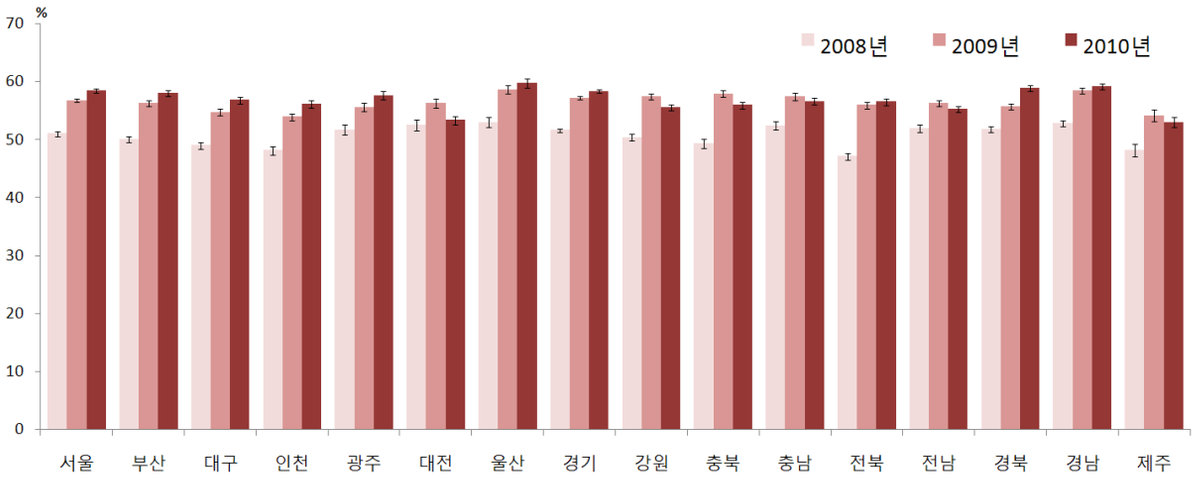
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경기
강원
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경북
경남
제주

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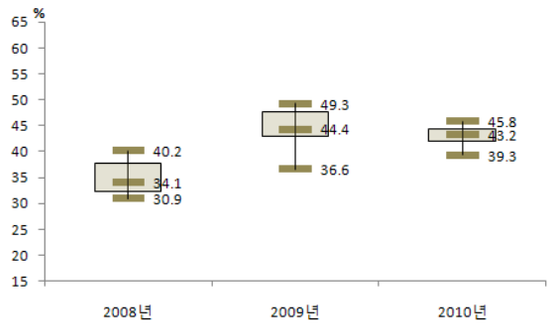
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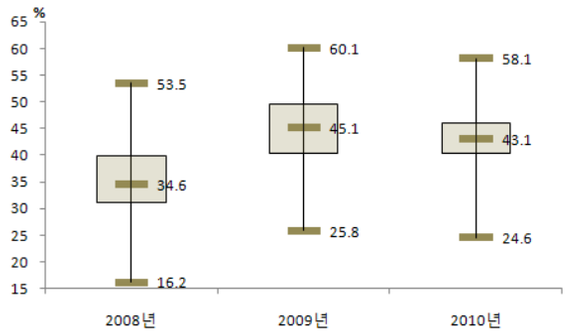
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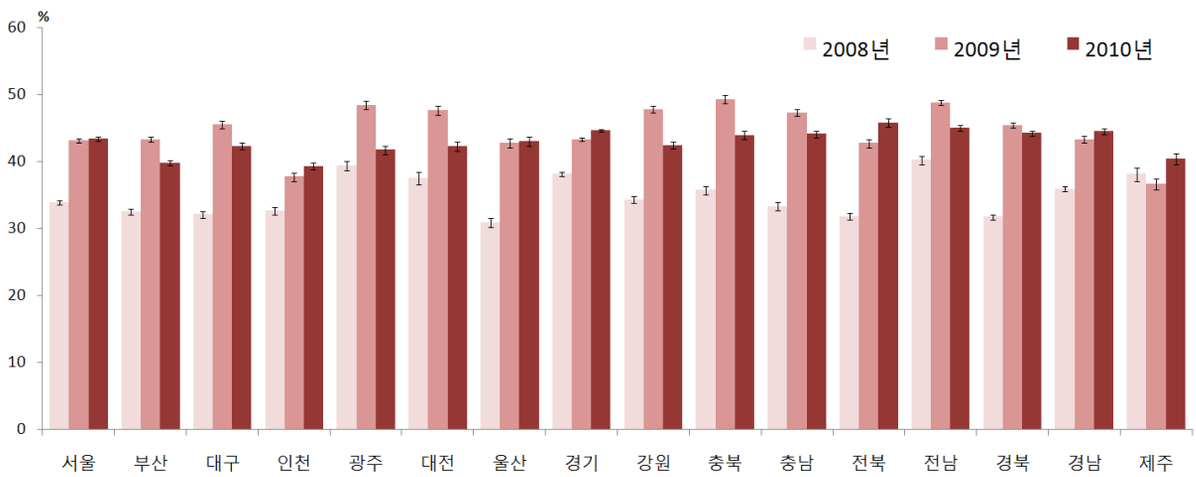
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강원
충북
충남
전북
전남
경북
경남
제주

Community Health Survey

제2부 주요통계결과

Ⅲ. 이환 및 의료이용

1. 고혈압
2. 당뇨병
3. 고지혈증
4. 뇌졸중(중풍)
5. 심근경색증 및 협심증
6. 근골격계 질환
7. 천식
8. 의료이용

Ⅲ 이환 및 의료이용

1. 고혈압

가. 고혈압 평생 의사진단 경험률(30세 이상)[9)]

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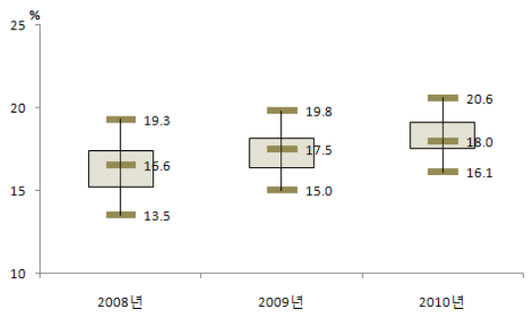

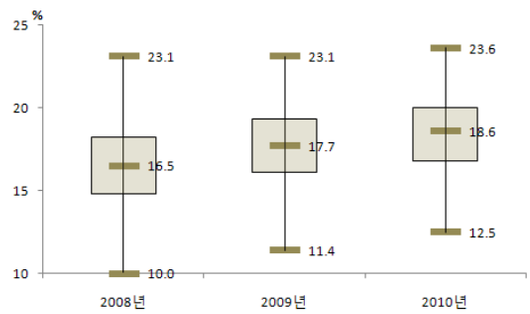

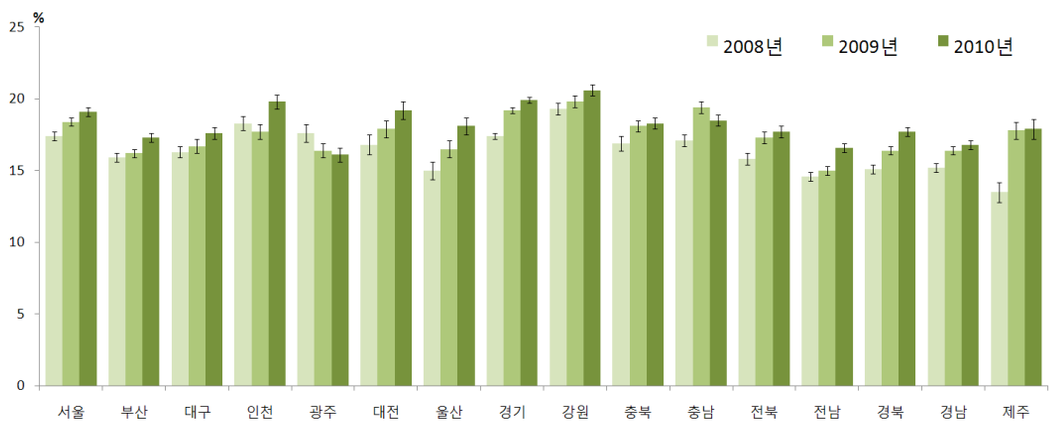

70이상	

나. 고혈압 평생 의사진단 경험자의 현재흡연율

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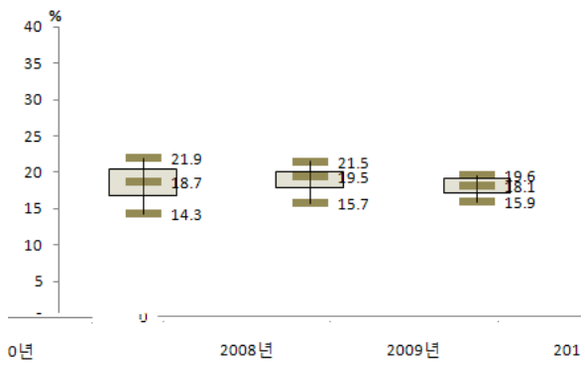

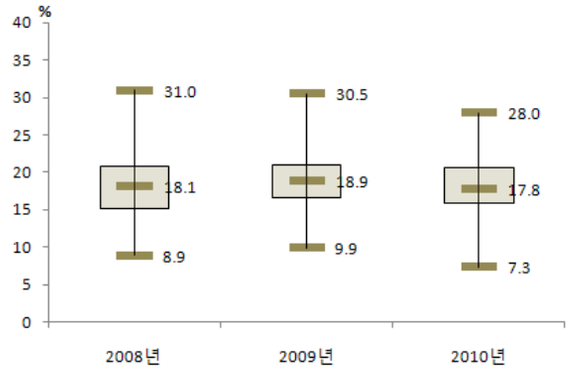

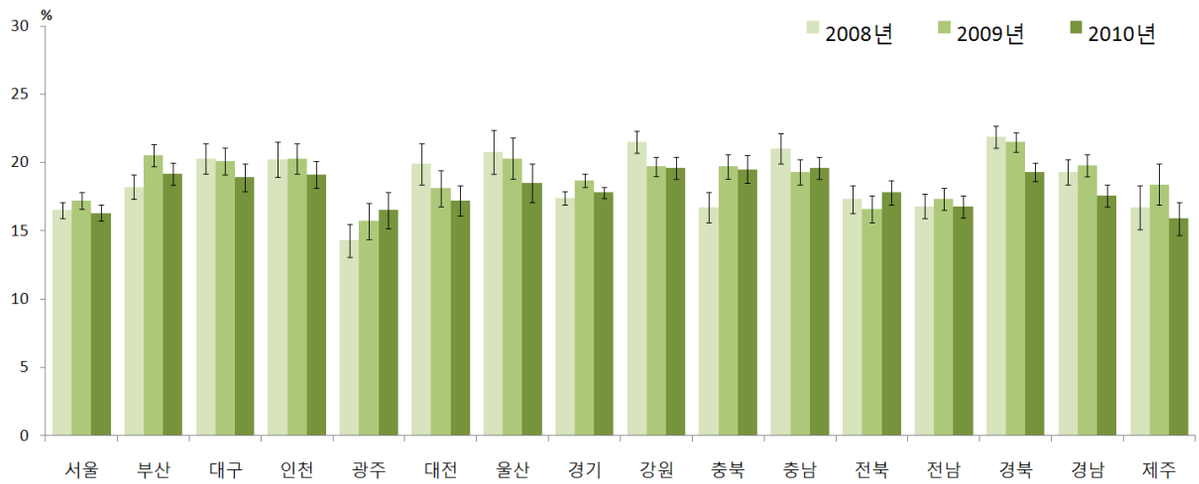

다. 고혈압 평생 의사진단 경험자의 월간음주율

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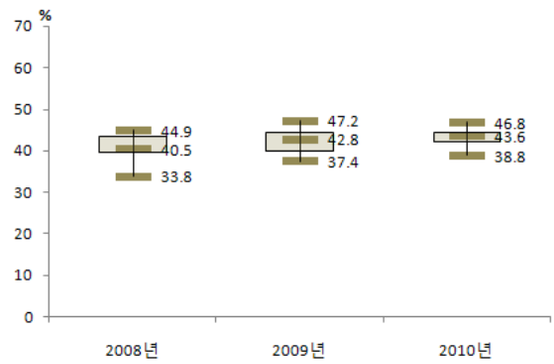

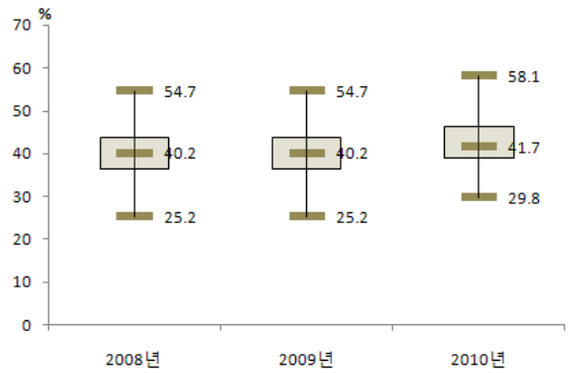

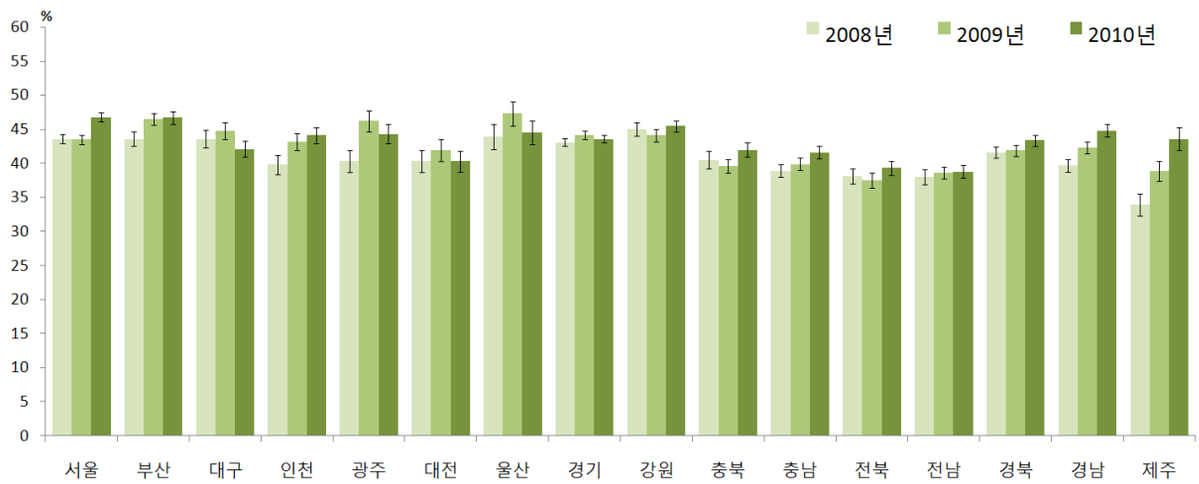

라. 고혈압 평생의사진단 경험자의 고위험음주율

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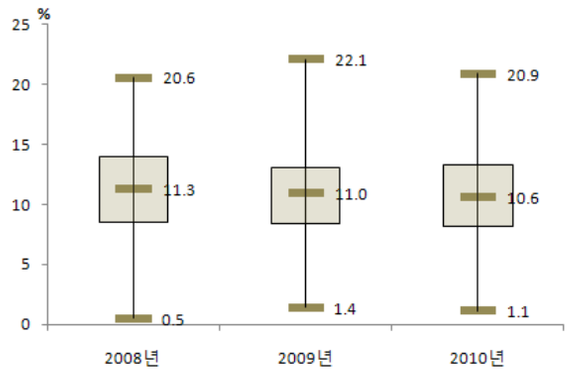

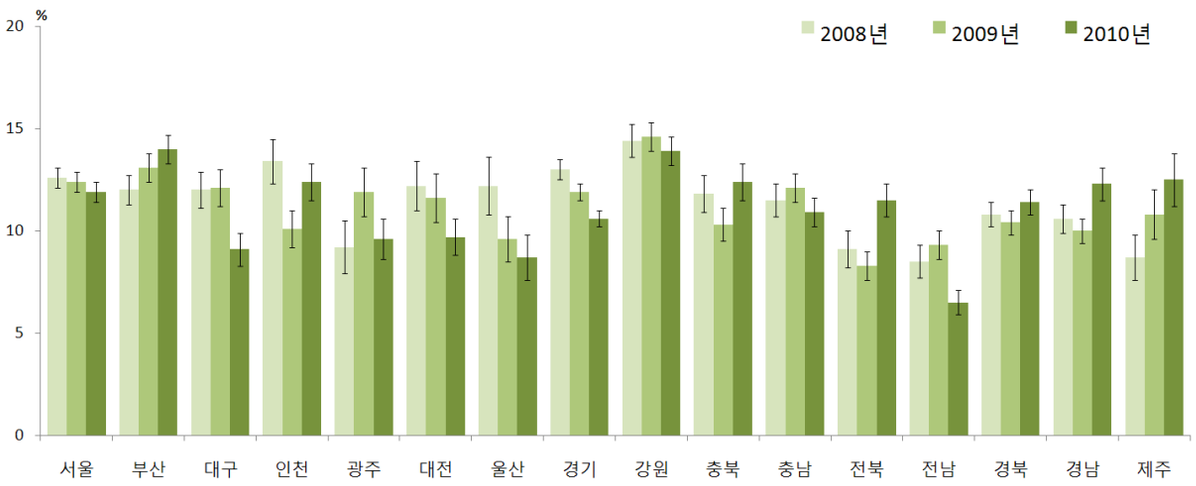

마. 고혈압 약물치료율(30세 이상)[10)]

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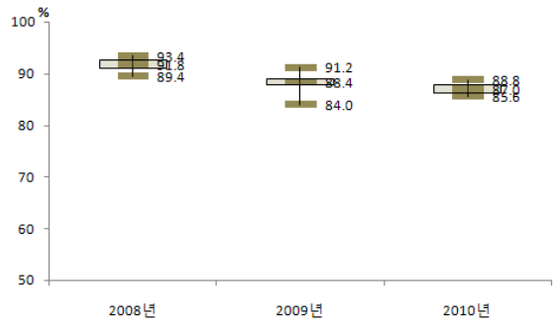

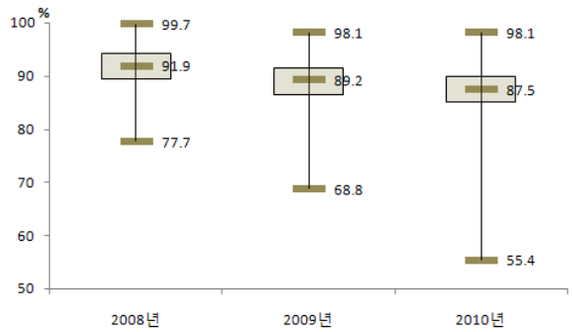

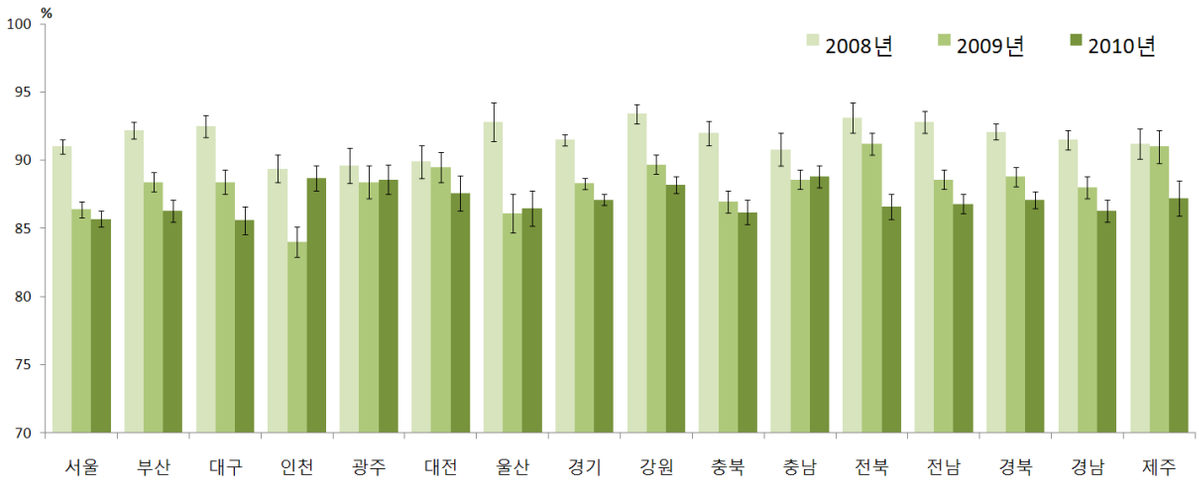

2. 당뇨병

가. 당뇨병 평생 의사진단 경험률(30세 이상)[11)]

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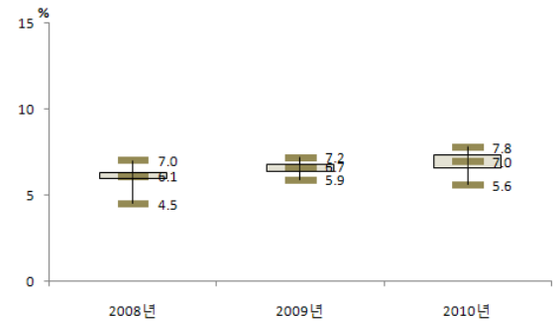
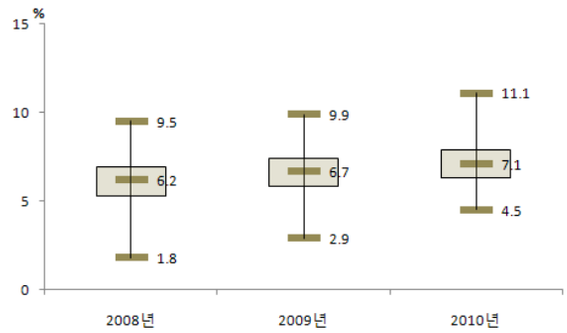
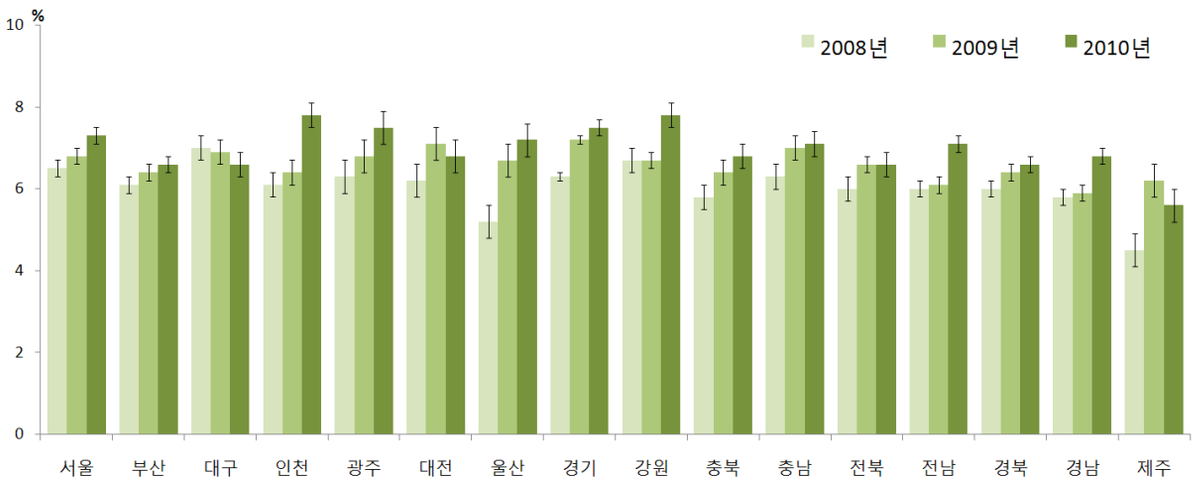
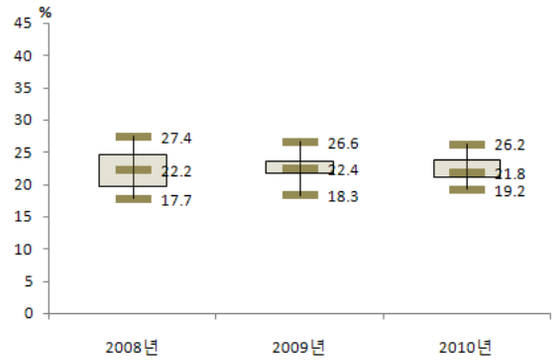
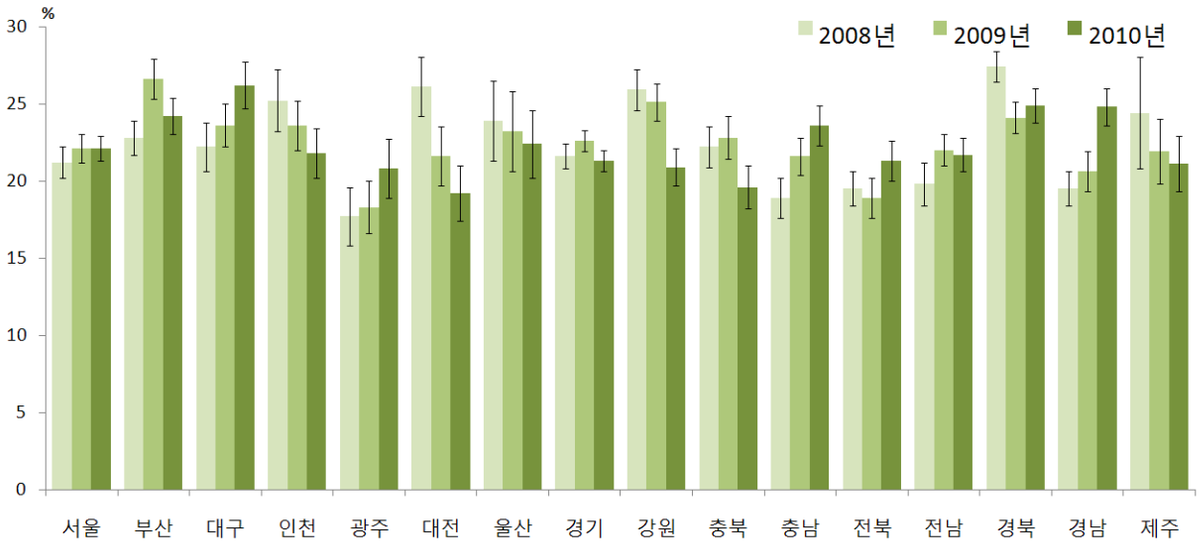






나. 당뇨병 평생 의사진단 경험자의 현재흡연율





다. 당뇨병 평생 의사진단 경험자의 월간음주율

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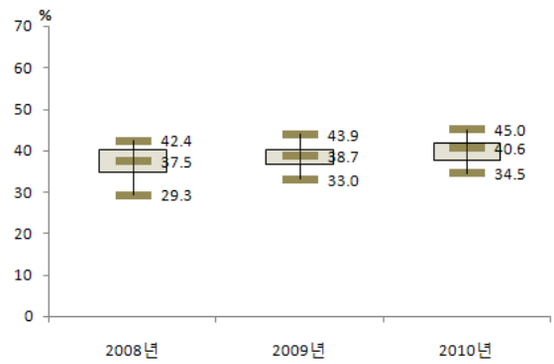

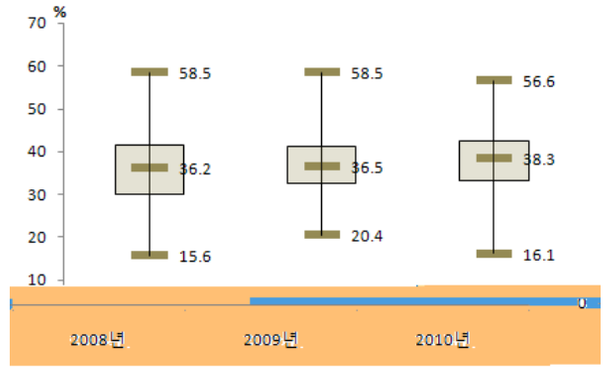

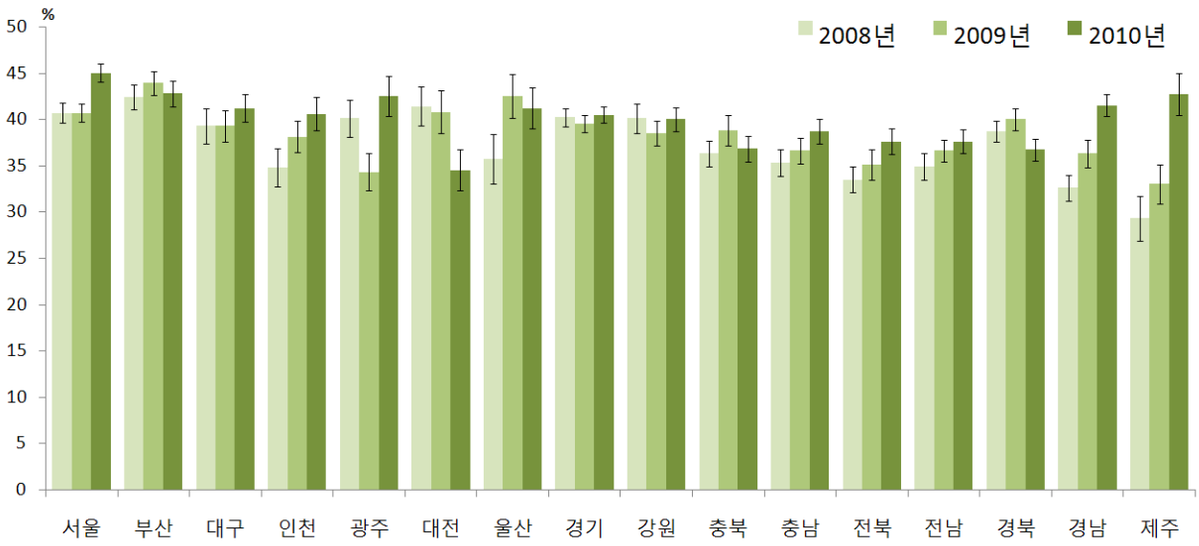

라. 당뇨병 평생 의사진단 경험자의 고위험음주율

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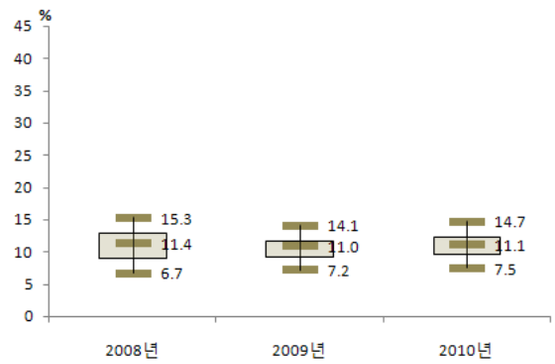

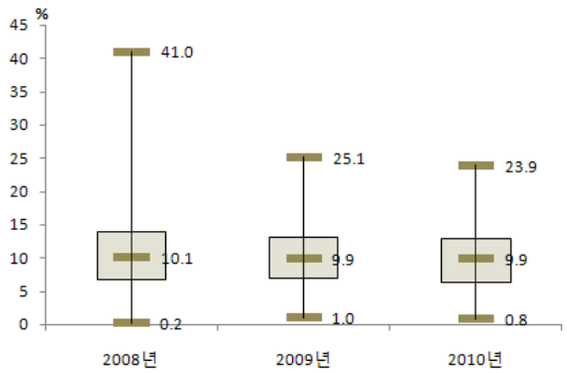

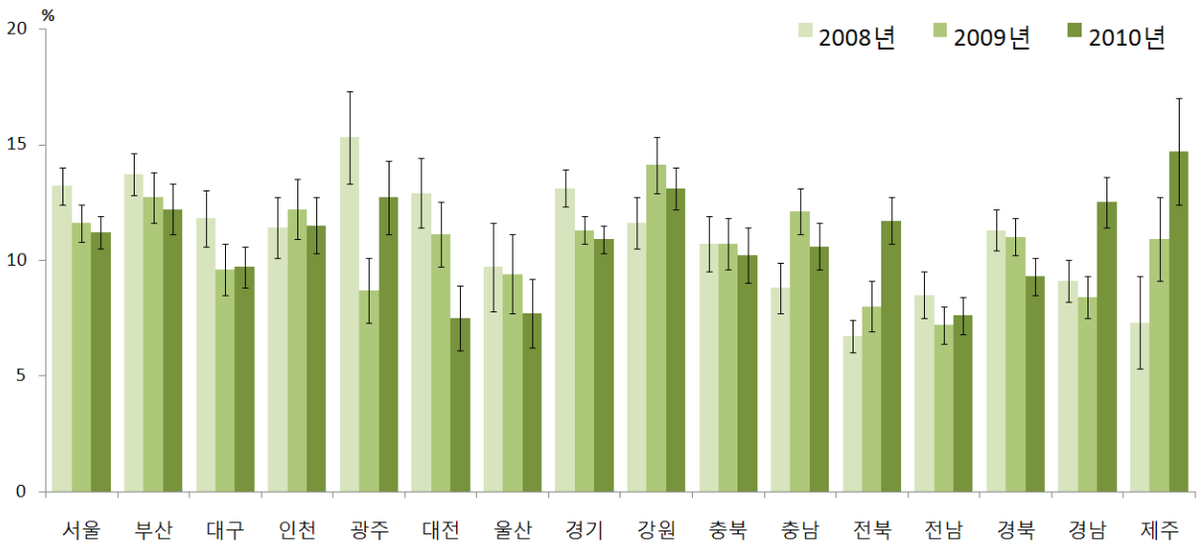

마. 당뇨병 치료율(30세 이상)

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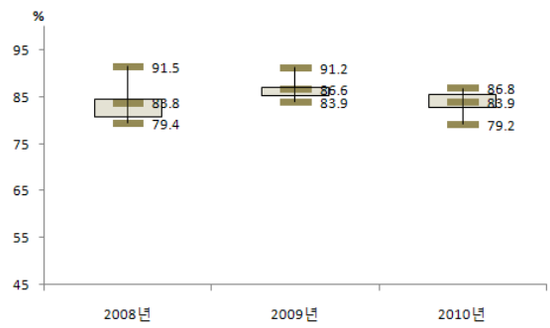

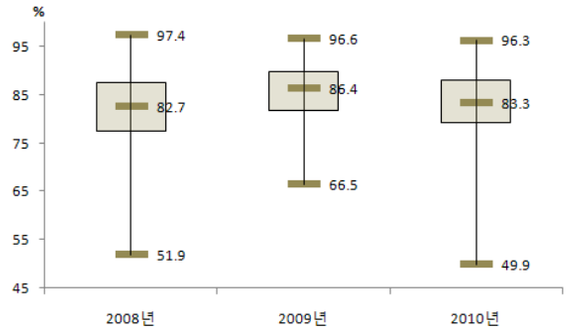

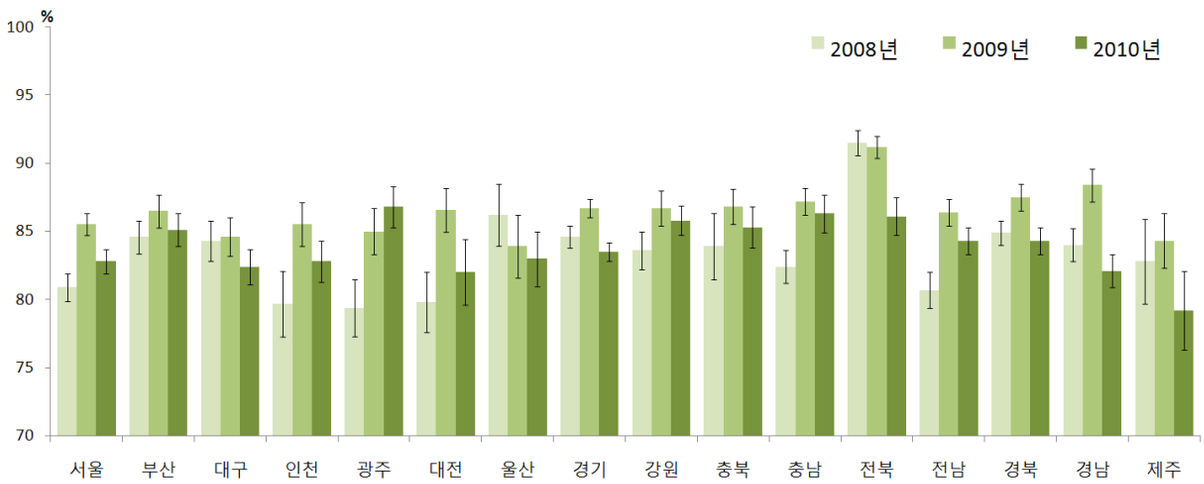

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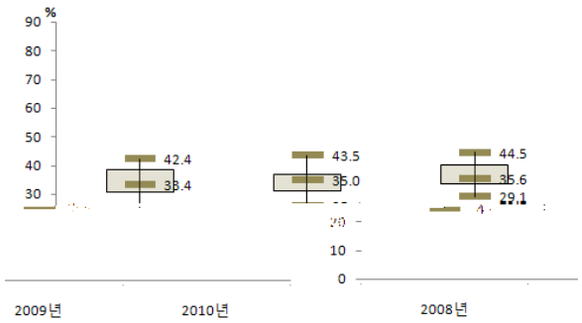

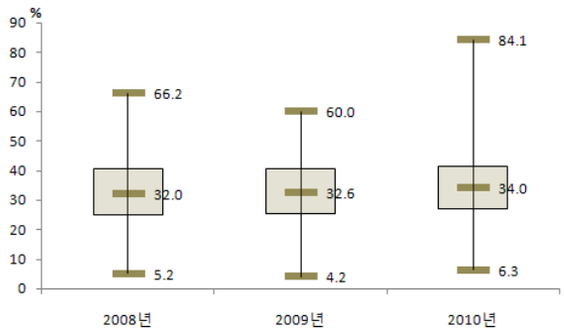

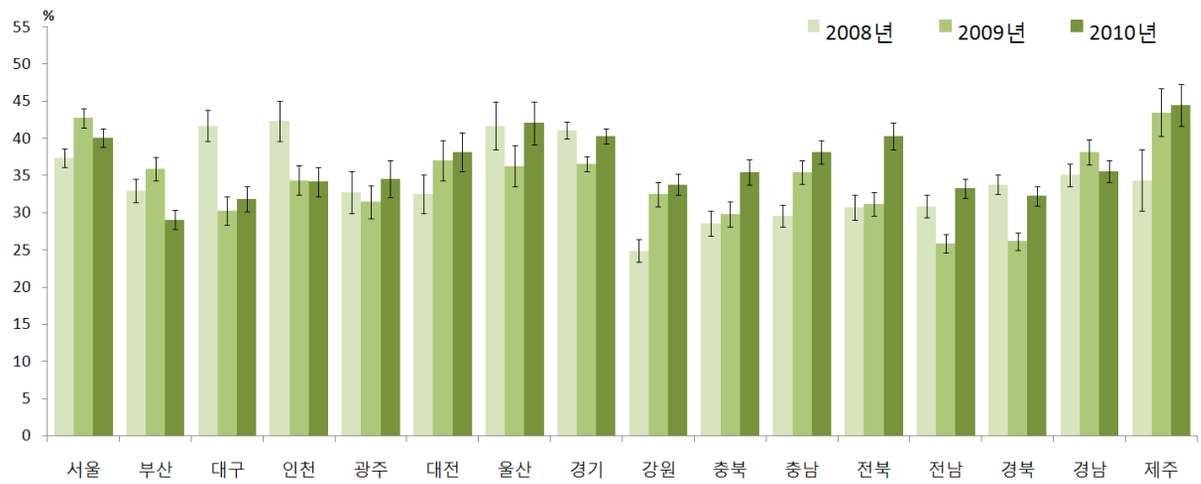

사. 당뇨병 신장질환 합병증검사 수진율(30세 이상)

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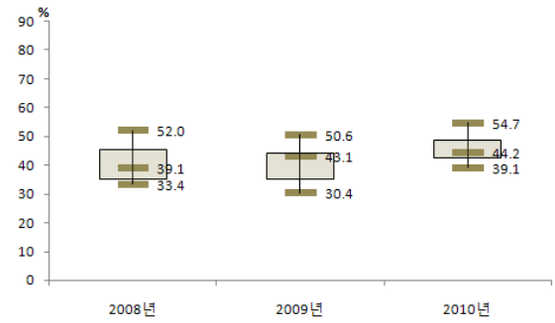

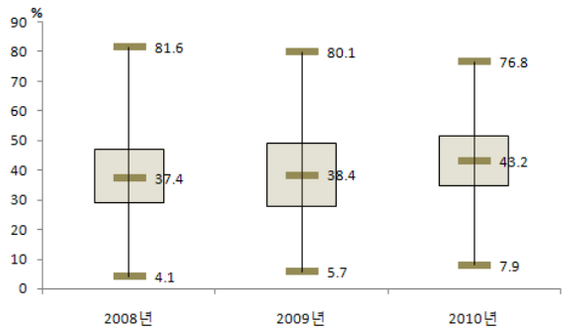

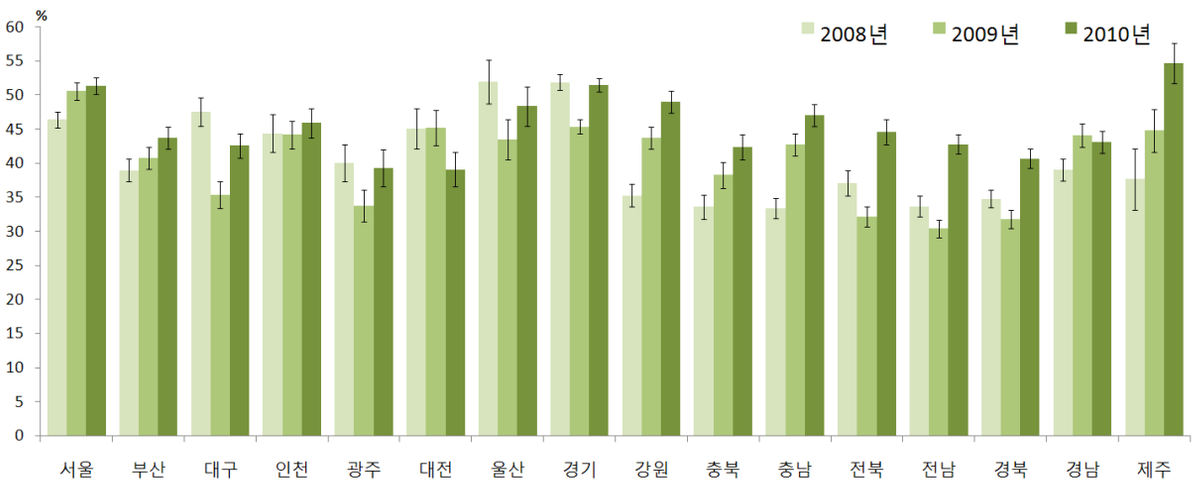

3. 고지혈증

가. 고지혈증 평생 의사진단 경험률(30세 이상)[12)]

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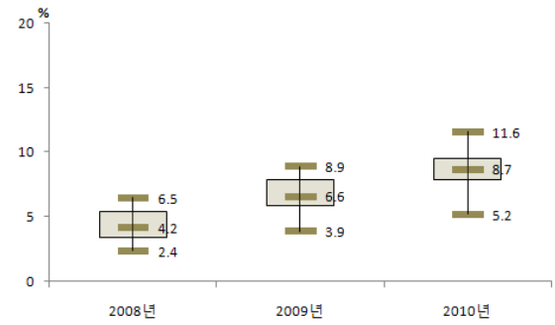

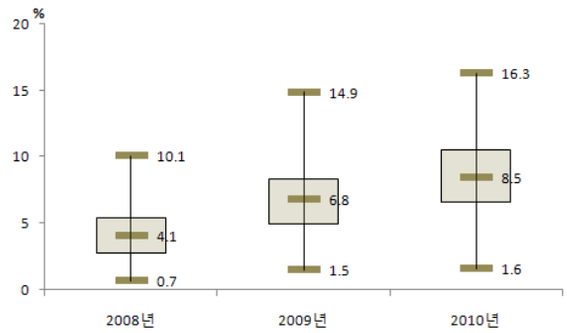

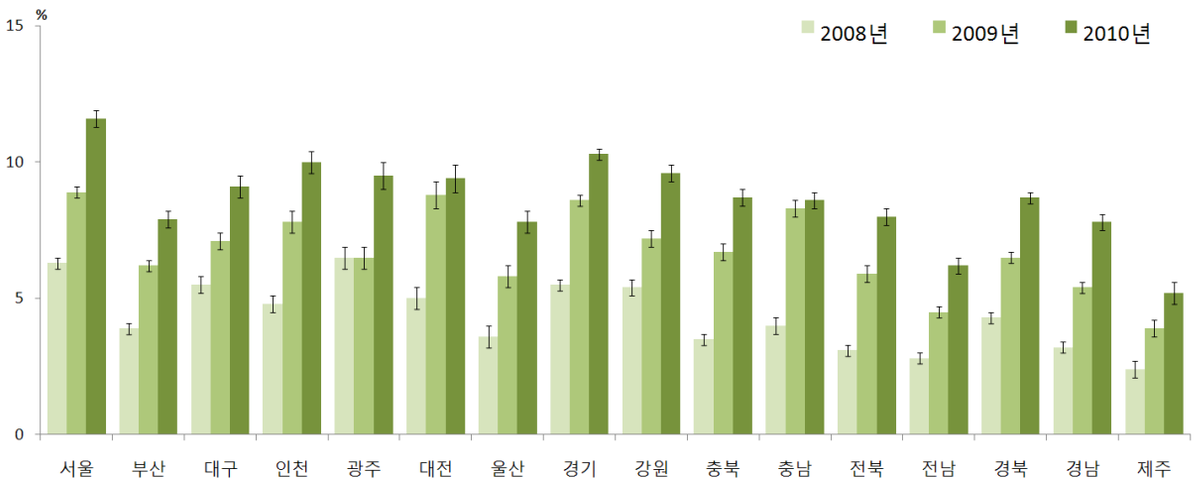

4. 뇌졸중(중풍)

가. 뇌졸중(중풍) 평생 의사진단 경험률(50세 이상)[13)]

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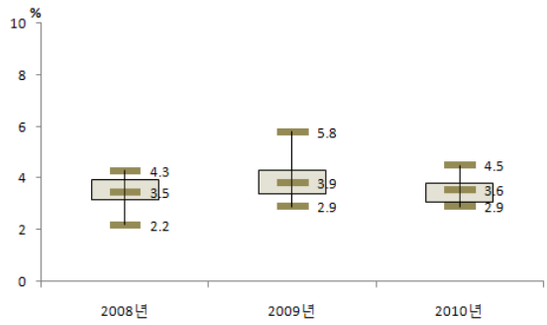

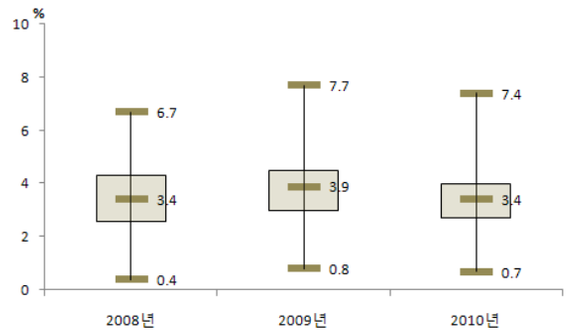

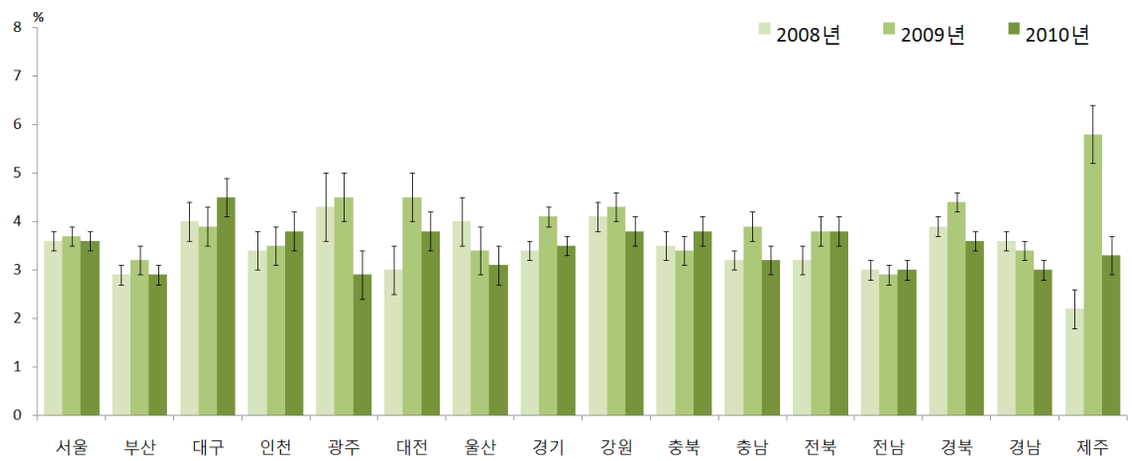

5. 심근경색증 및 협심증

가. 심근경색증 평생 의사진단 경험률(40세 이상)[14)]

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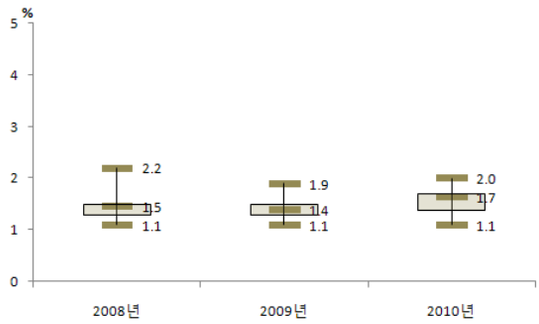

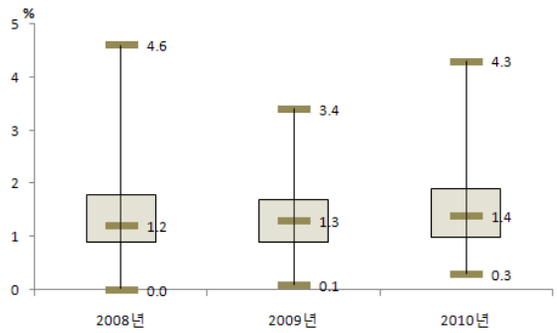

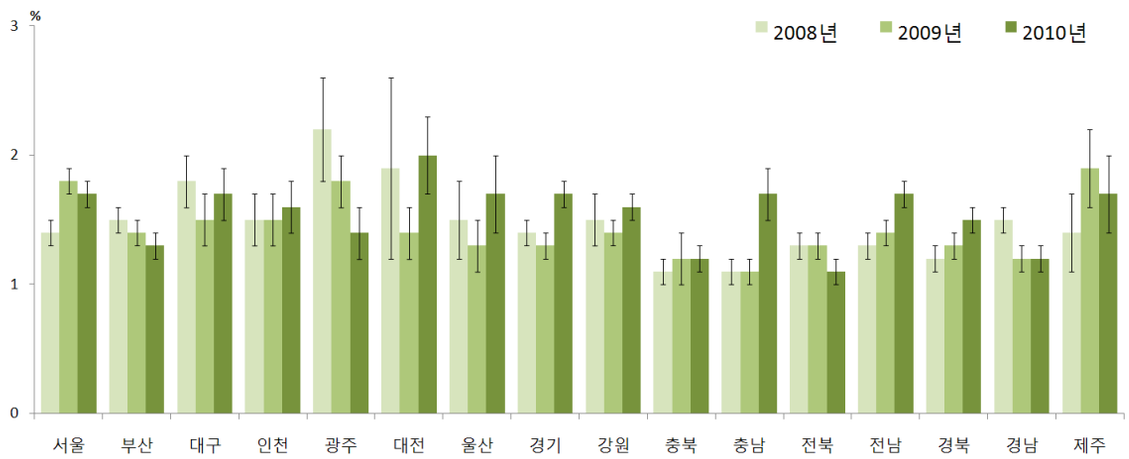

나. 협심증 평생 의사진단 경험률(40세 이상)[15)]

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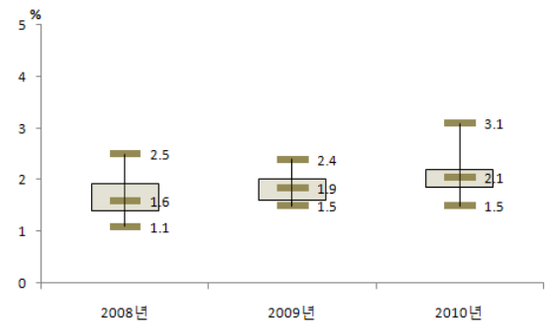

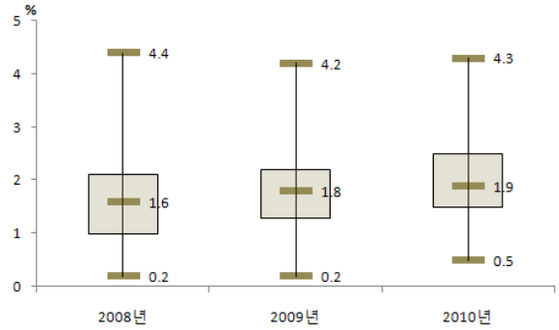

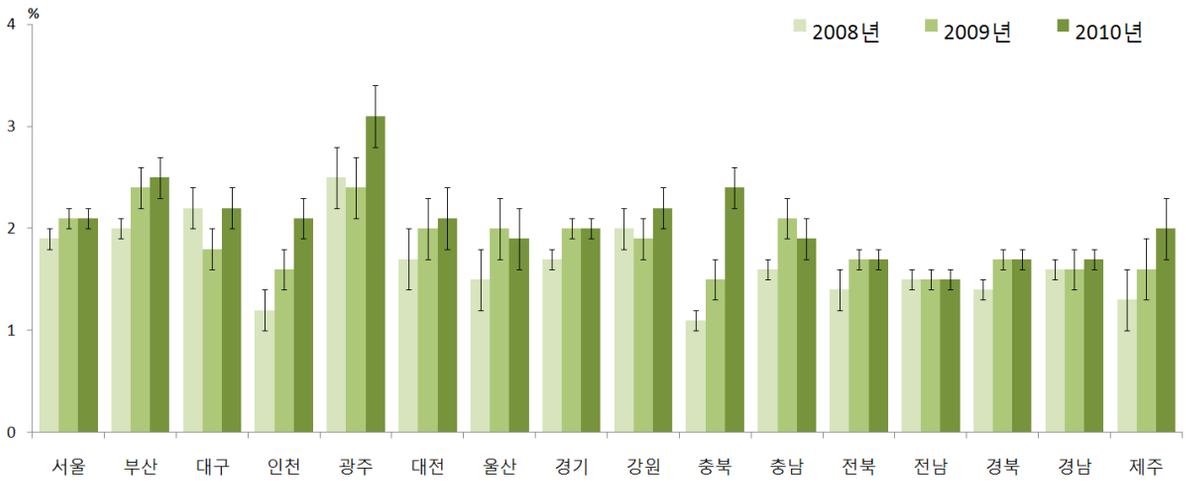

6. 근골격계질환

가. 관절염 평생 의사진단 경험률(50세 이상)[16)]

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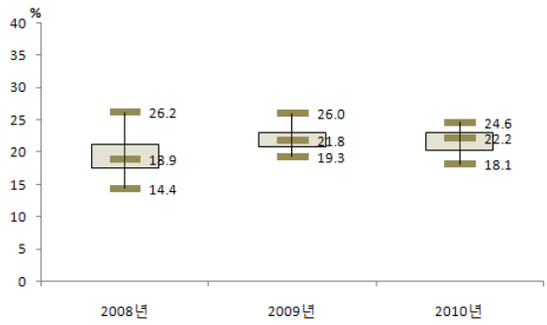
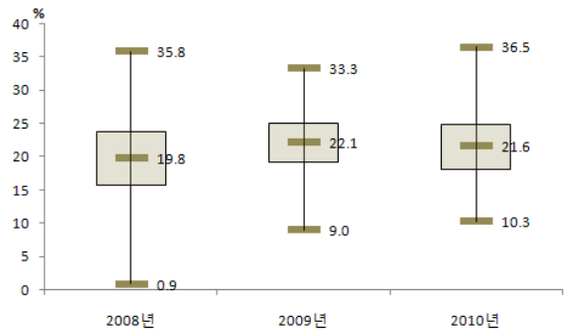
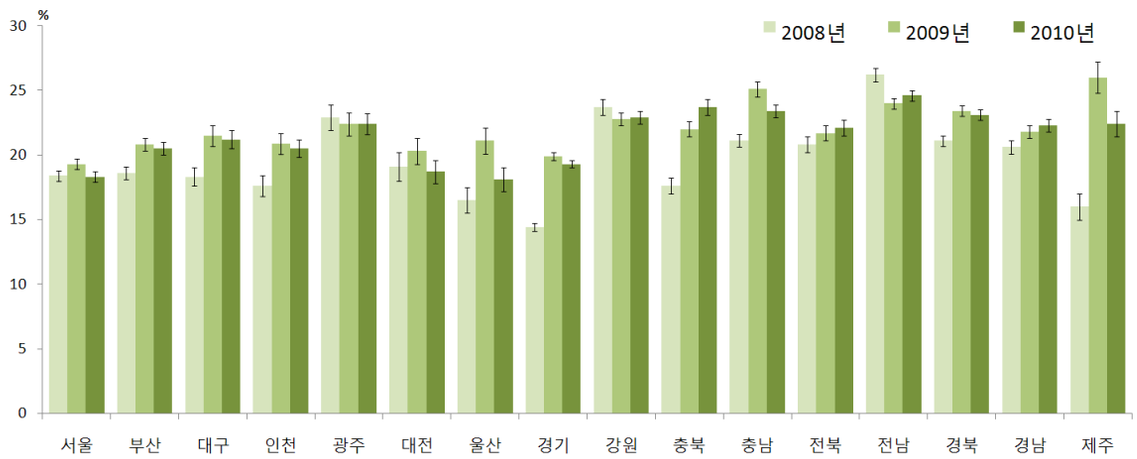
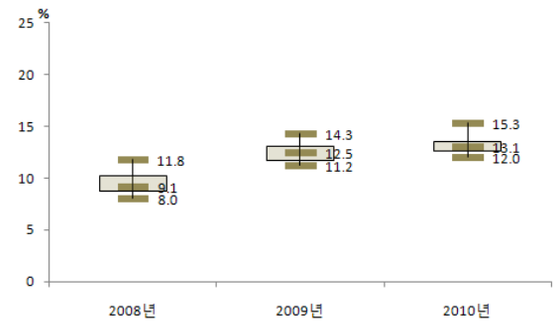
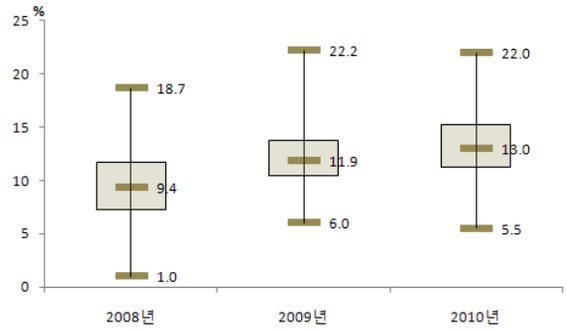


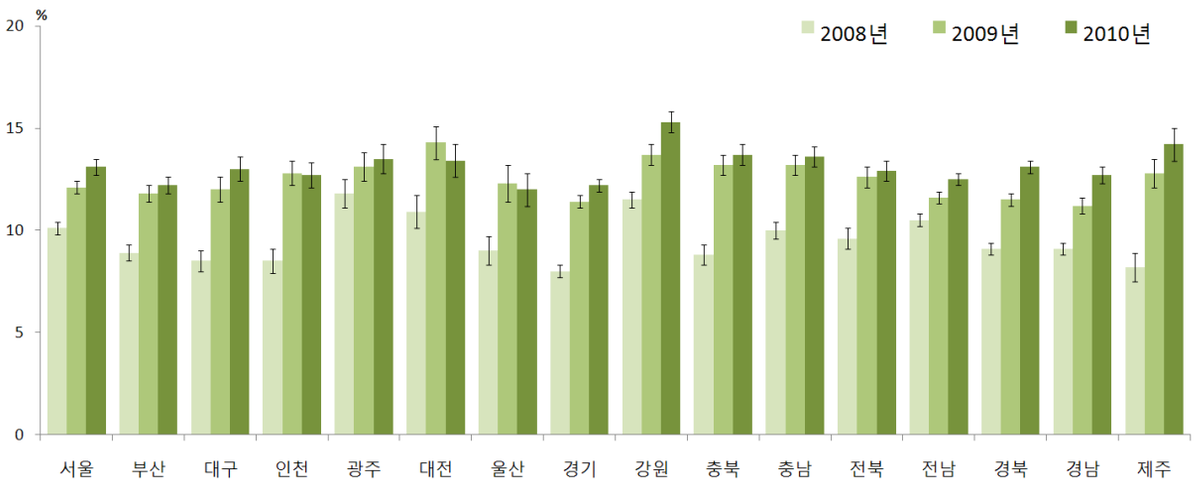




나. 골다공증 평생 의사진단 경험률(50세 이상)[17]







7. 천식

가. 천식 평생 의사진단 경험률[18)]

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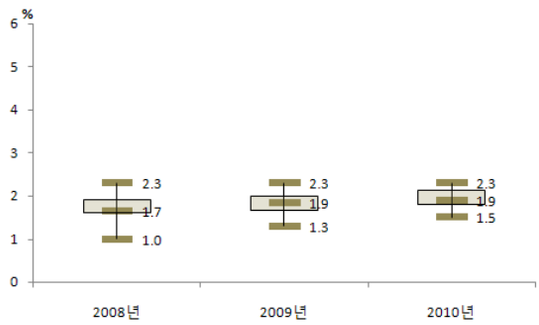

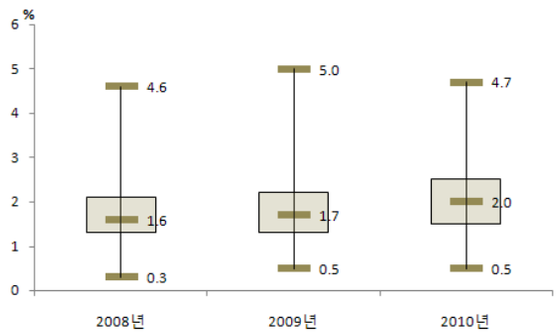

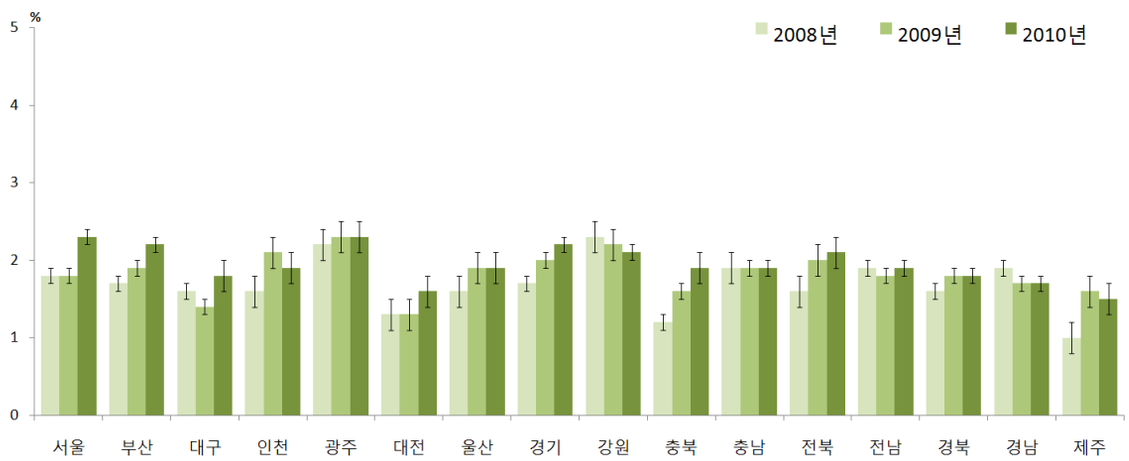

8. 의료이용

가. 필요의료서비스 미치료율[19)]

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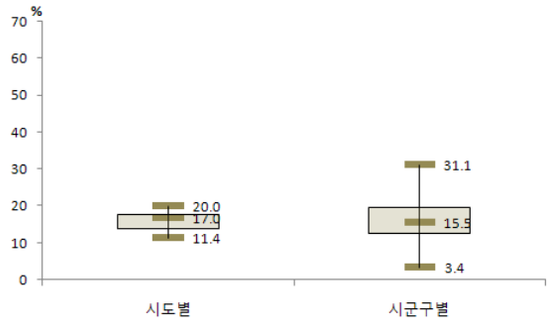

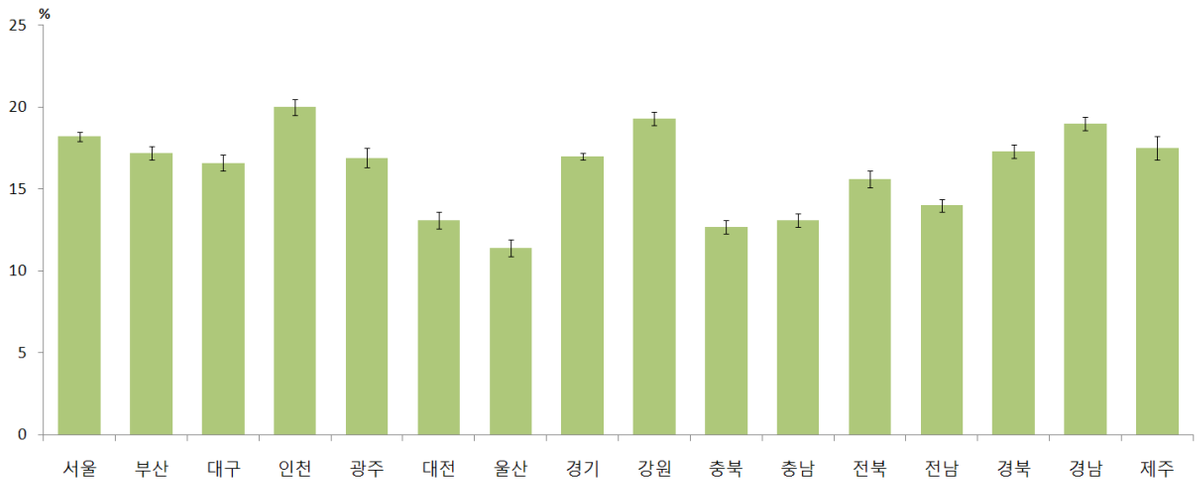

나. 경제적 이유로 인한 미치료율

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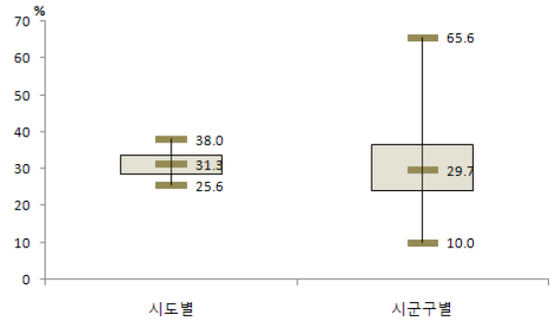

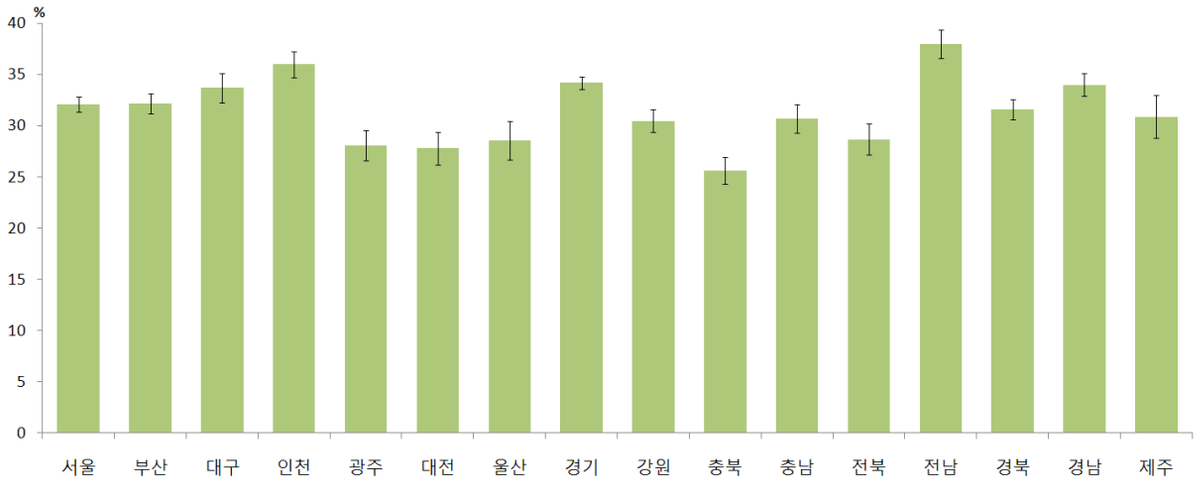

Community Health Survey

제2부 주요통계결과

Ⅳ. 사고 및 중독 (손상)

1. 연간 사고중독 경험률

2. 연간 사고중독 건수율

Ⅳ 사고 및 중독(손상)

1. 연간 사고중독 경험률[20)]

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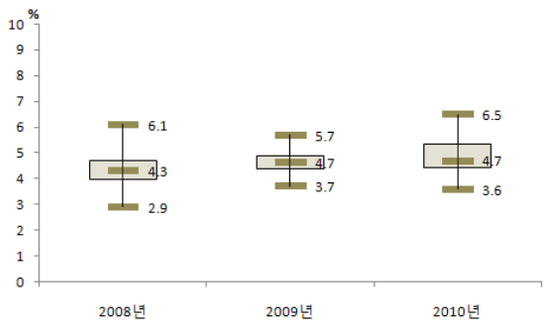

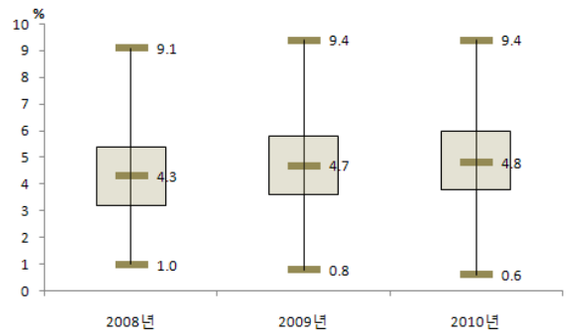

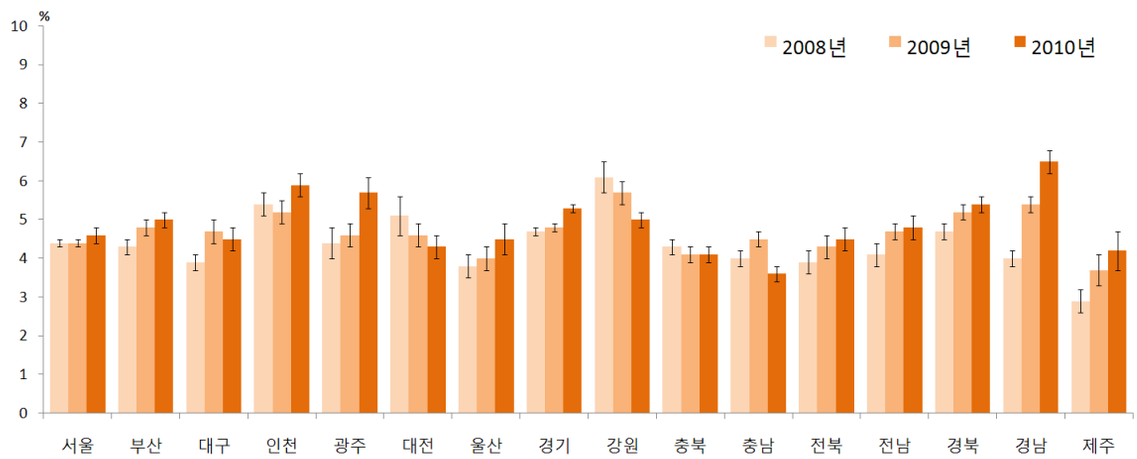

2. 연간 사고중독 건수율

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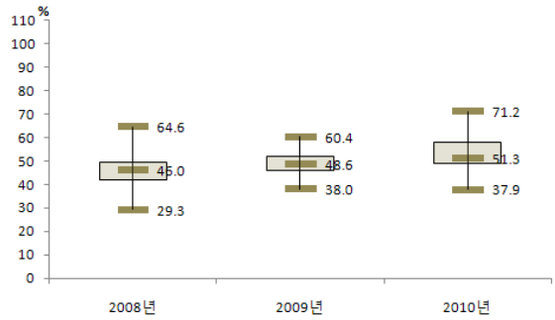
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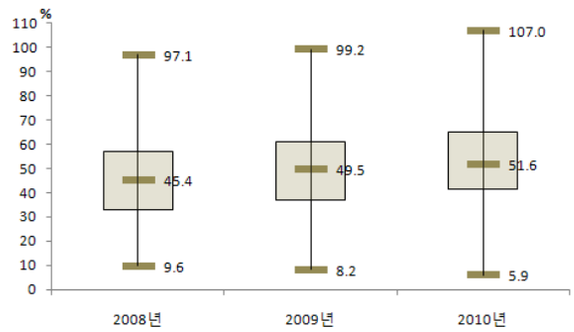
2009년
2010년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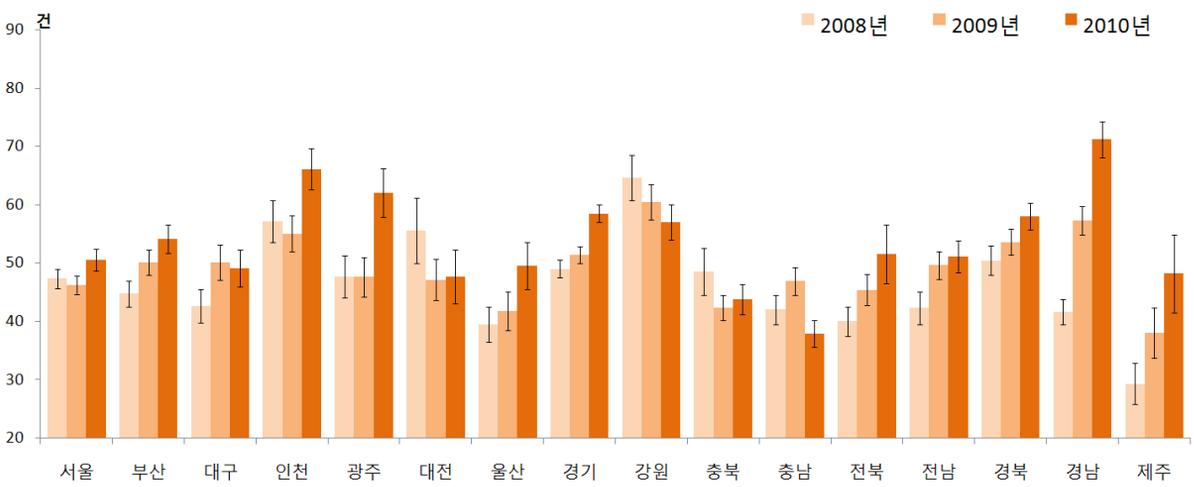
2009년
2010년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2010년
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광주
대전
울산
경기
강원
충북
충남
전북
전남
경북
경남
제주

Community Health Survey

제2부 주요통계결과

Ⅴ. 활동제한 및 삶의 질

1. 주관적 건강수준 인지율

2. EQ-5D index

V 활동제한 및 삶의 질

1. 주관적 건강수준 인지율

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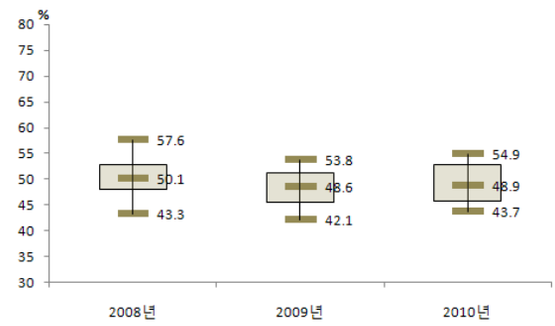

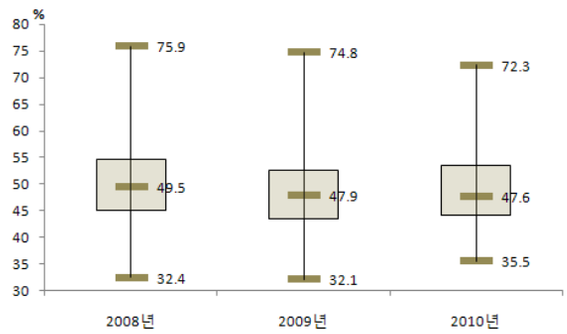

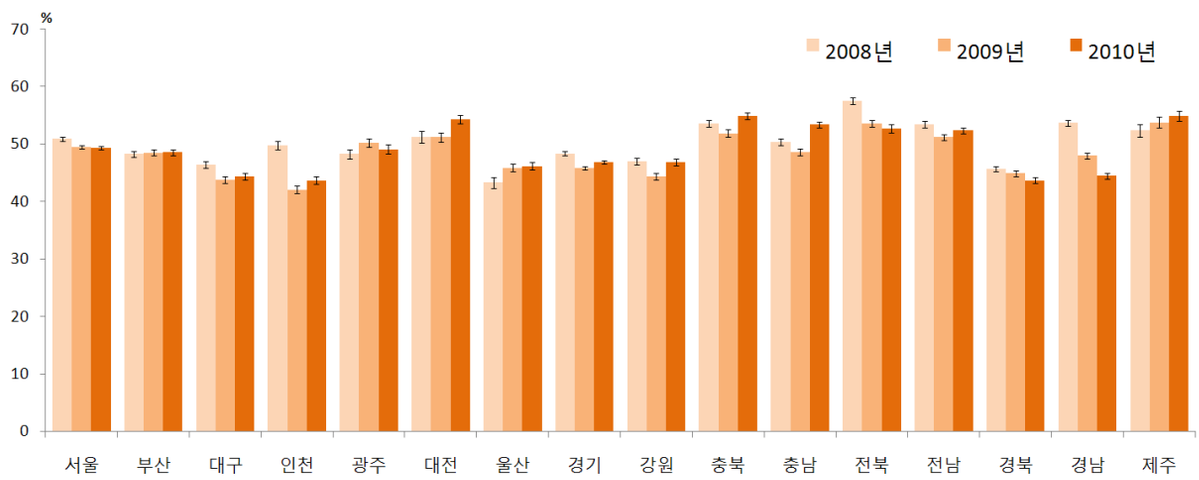

2. EQ-5D[21] index

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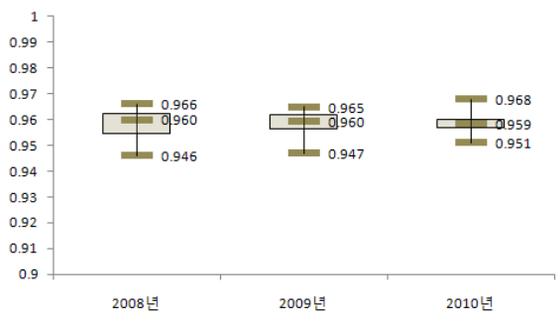

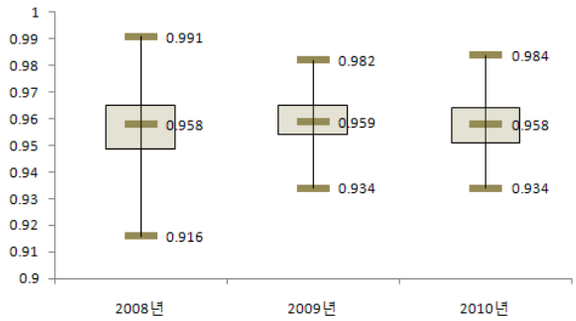

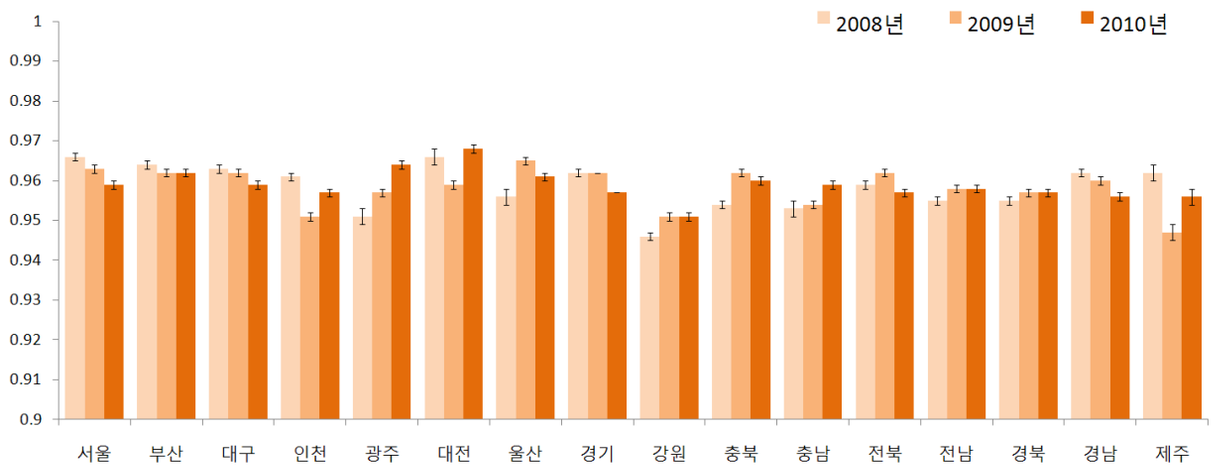

EQ-5D User Guide: Basic information on how to use EQ-5D(EuroQol Group, 2009)

Community Health Survey

제2부 주요통계결과

Ⅵ. 보건기관 이용

1. 보건기관 이용률
2. 보건기관 서비스 만족도
3. 보건기관 고혈압 홍보 및 교육경험률
4. 보건기관 당뇨병 홍보 및 교육경험률
5. 보건기관 관절염 홍보 및 교육경험률

Ⅵ 보건기관 이용

1. 보건기관[22] 이용률

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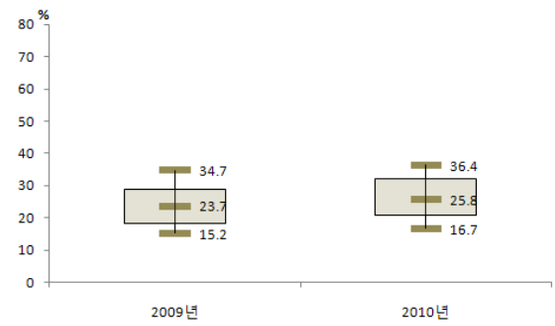
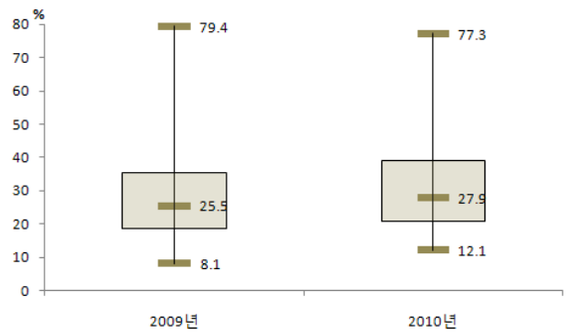
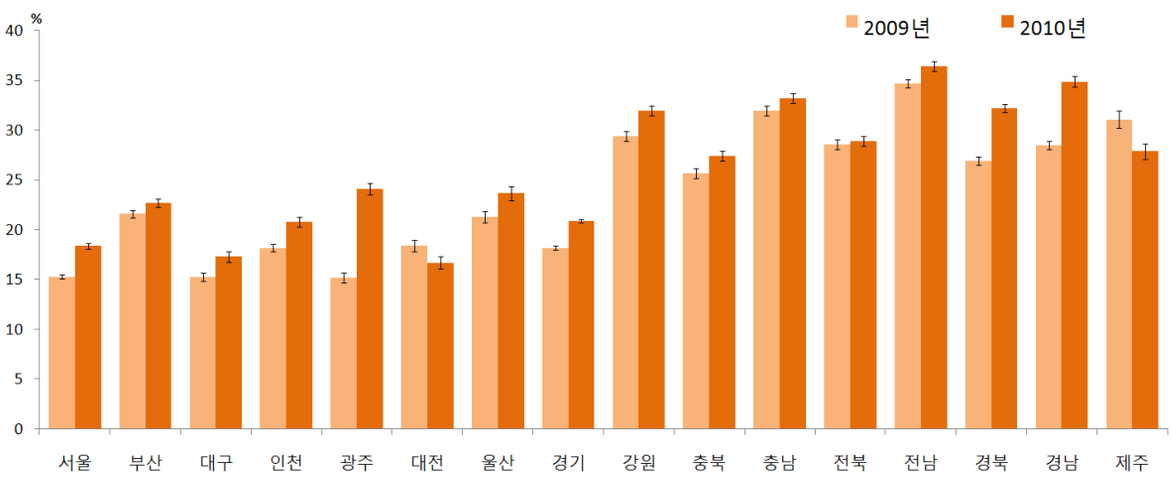
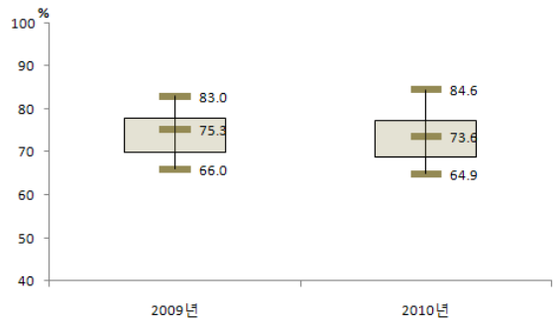


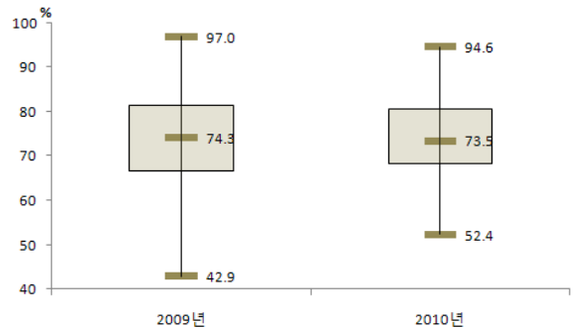


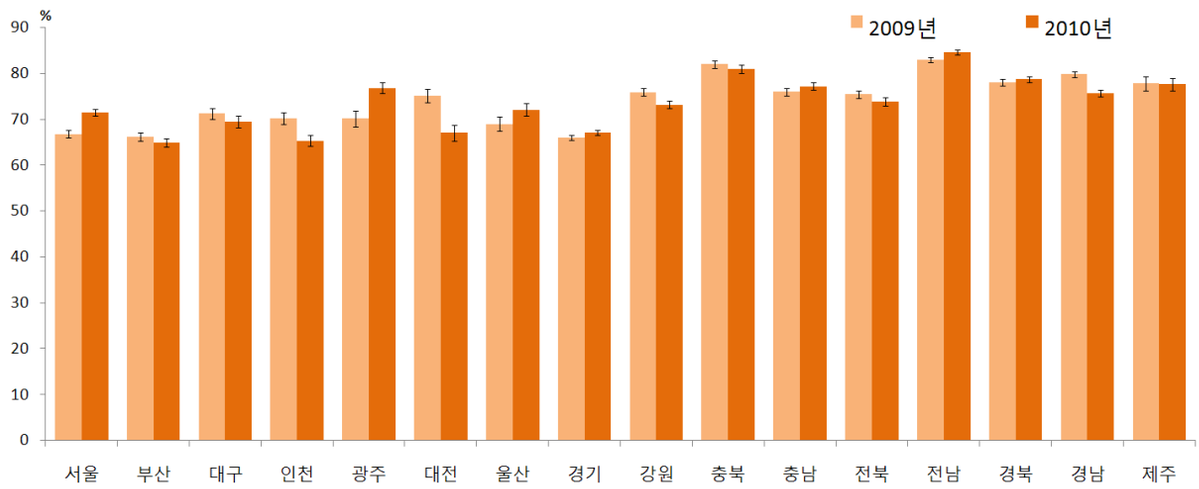


2. 보건기관 서비스 만족도

•







3. 보건기관 고혈압 홍보 및 교육경험률

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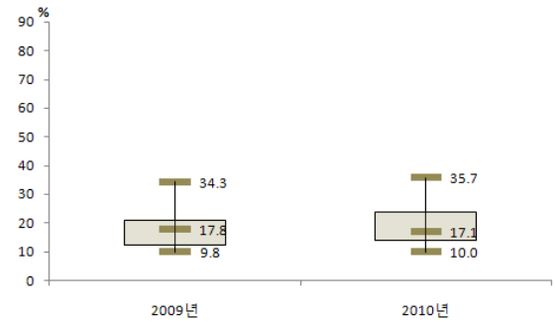

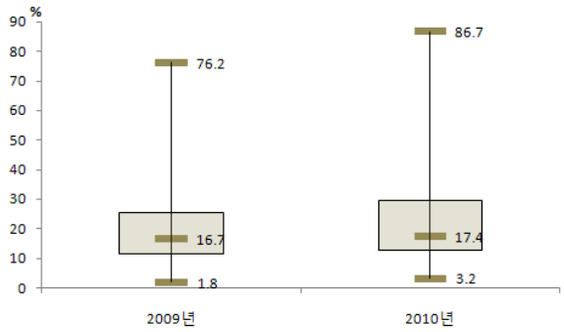

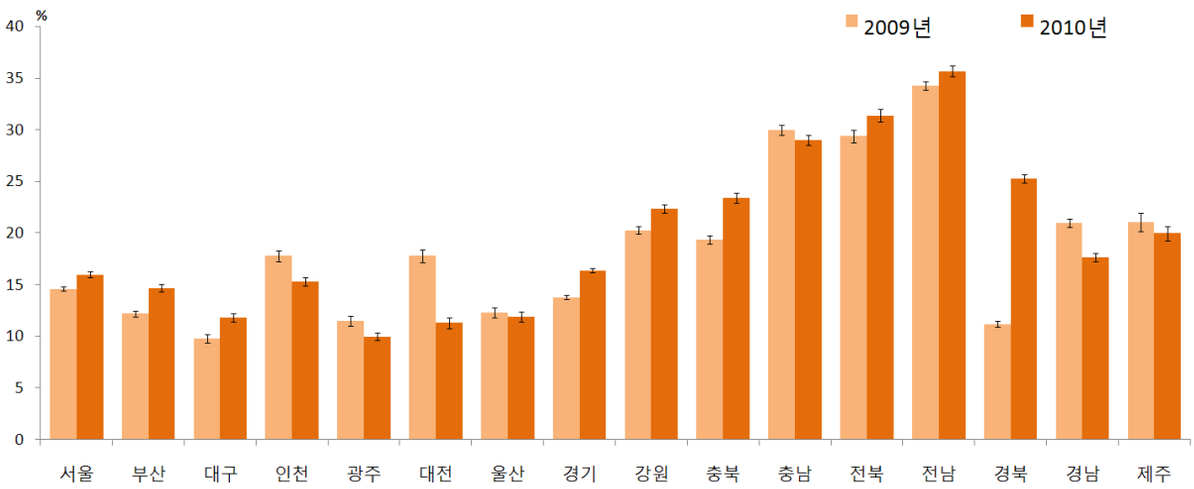

4. 보건기관 당뇨병 홍보 및 교육경험률

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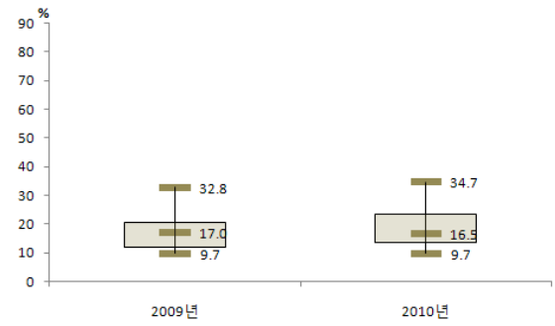

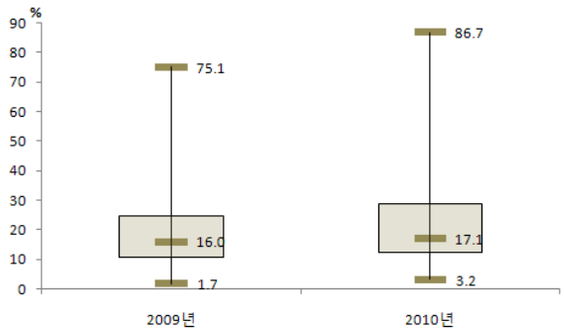

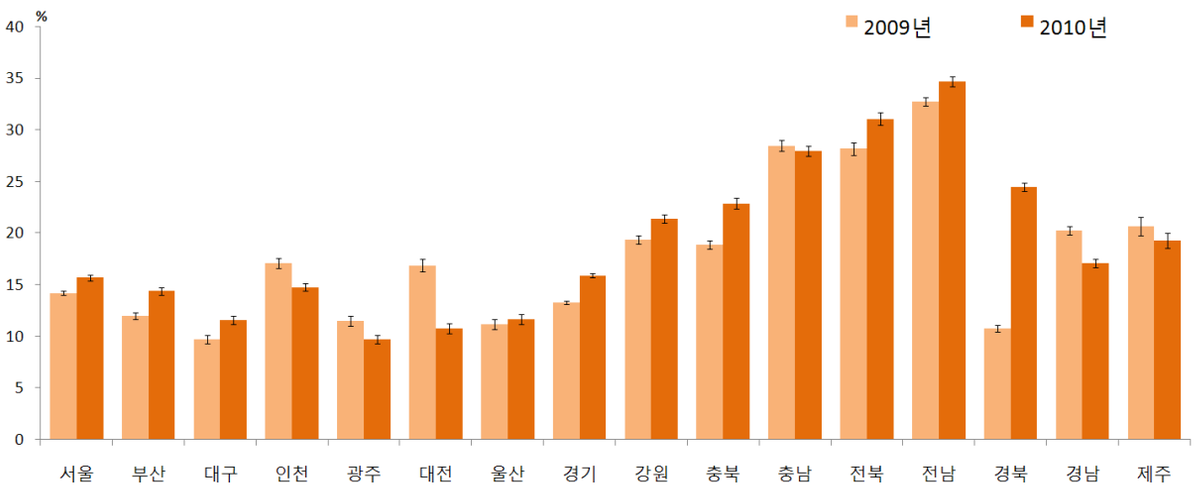

5. 보건기관 관절염 홍보 및 교육경험률

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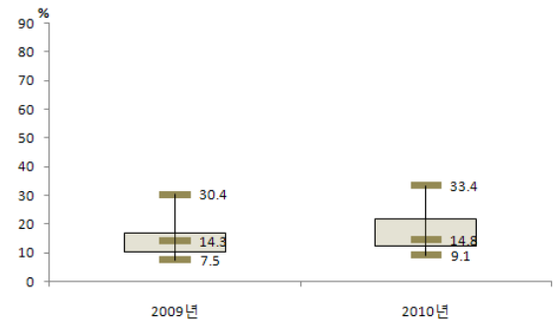

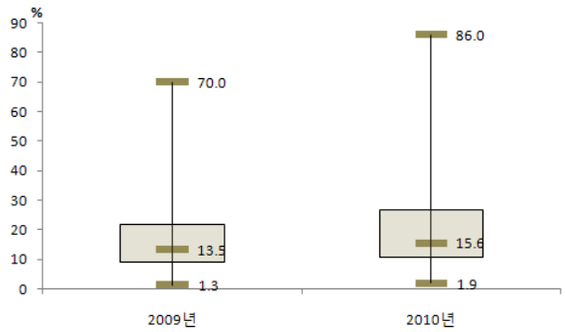

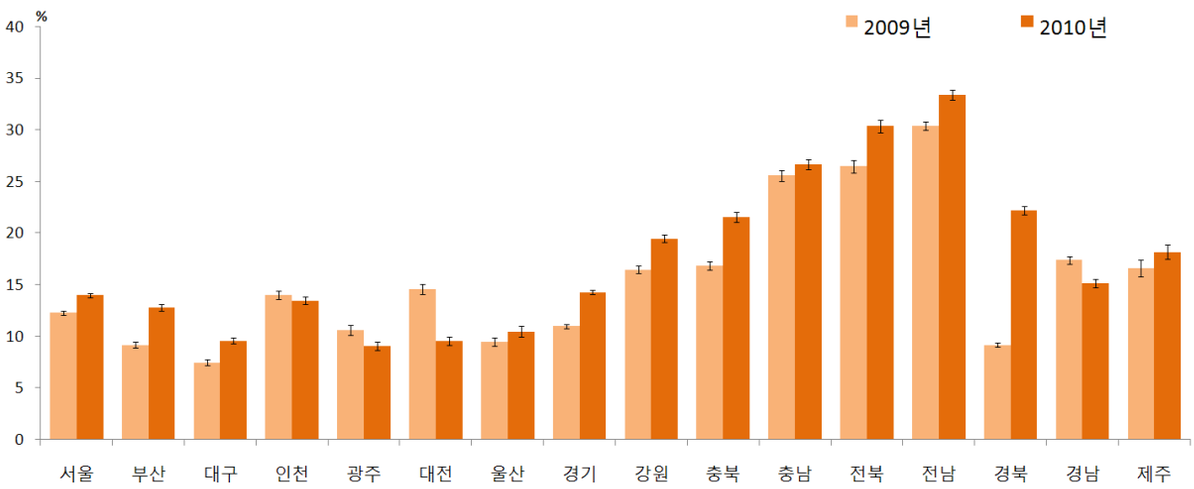

제3부 통 계 표

Community Health Survey

지표정의

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3.

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	1 (365)

7.

	AUDIT 0~7
	1 (365)

8.

	AUDIT 8~15
	1 (365)

9. I

	AUDIT 16~19
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10. II

	AUDIT 20
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12.

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36. (30)

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참고문헌

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2010년 지역건강통계 한눈에 보기

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