

## Community Survey of Mental Disorders in High School Students in Kumamoto Prefecture

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### Method

We developed test battery of self report questionnaire, based on pre-existing Japanese translation. FFAAT was not translated yet. Our own translation was used.

#### 1) Anxiety disorders

Fear Questionnaire: Marks IM(1986)  
A question about obsession and compulsion

#### 2) Depression

Depression Self-Rating Scale for Children (DSRSC) by Birlerson P  
This scale ranges 0 to 36. Higher score means the higher likelihood of current depressive episode.

The cut off point for depression is over 16 including 16, based on Murata's research on Japanese junior high school students.

#### 3) Eating disorders

EAT 26

This is a screening test for eating disorder in general. It ranges 0 to 78. The cut of point for Eating disorder is over 20 including 20.

#### 4) Substance use

FFAAT Knight JR(1999)

This is 9 Item Screening Test. Main 6 items are used for diagnosing for substance use disorder. It ranges 0 to 6. Cut off point is over 2 including 2.

#### 5) Questionnaire about life style, past medical history

Examination date

1<sup>st</sup> wave

During December 1999.

2<sup>nd</sup> wave

During September to October 2000.

### Subjects

The subjects are the students in five senior high schools in Kumamoto Prefecture. Their grades are 10<sup>th</sup> to 12<sup>th</sup> grade. All students who attended the examination day participated. The area represents rural and suburb areas of Kumamoto city. Main industries are agriculture, car industry and electric devices.

Among the 3876 students who attended the classes, 3476 answered to the test battery. After removal of irrelevant and invalid answers, 2853 subjects answered to the test battery fully. 82.1% of total subjects, Male 1339, female 1514. For following data analysis, the 2853 subjects are used.

### Results

In total 3476 students answered the test battery appropriately.

1) Depression measured by DSRSC  
864, 30.3% of total subjects (Male 339, 25.3%, Female 525, 34.7%) were over 16.

2) Obsessive Compulsive symptoms  
636, 22.3% subjects answered they had current obsession or compulsion. Some described the content of their symptoms. Washing, checking, worries about harming others were commonly observed.

3) EAT-26

180, 6.31% of total subjects were over 20. Male 41 (3.06%), female 139 (9.18%)

4) Substance use

CRAFFT

511, 17.9% of total subjects were over 2. Male 294 (22%), female 217 (14.3%).

	Use more than 3 times a week	At least once a week	Past experience, not using now
Tobacco	451	522	1220
Alcohol	122	780	2162
Organic solvents	3	8	79
Butane gas	8	10	66
Meth-amphetamine	4	7	22
OTC, mainly anti cough drug with codeine	17		
OTC, others	9		

This study was supported by the Research Grants 11A-8 and 12A-8 for Nervous and Mental Disorders from the Ministry of Health and Welfare, Japan

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