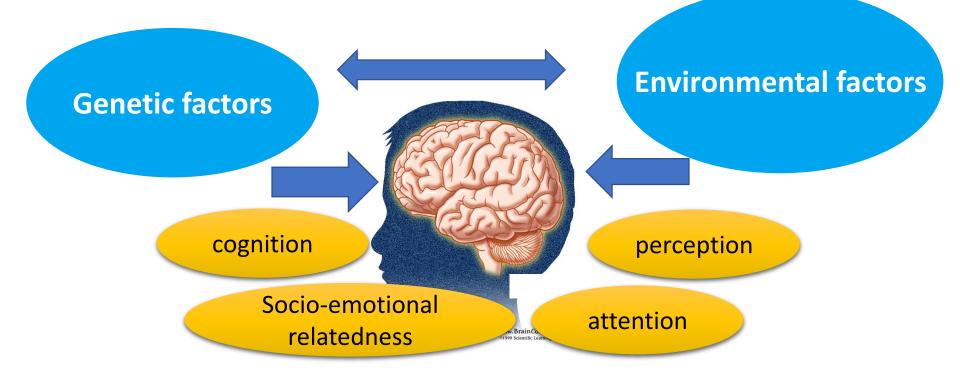
The 18th ASEAN-Japan High Level Officials Meeting on Caring Societies 30 October 2020 via Video Conference

Towards Social Implementation of Evidence-Based Management for Children with Autism Spectrum Disorders (ASD) and Their Families

Yoko Kamio

General Incorporated Association Japan Center for Developmental Disorders, Ochanomizu University, National Center of Neurology and Psychiatry

Causes of ASD and developmental disorders

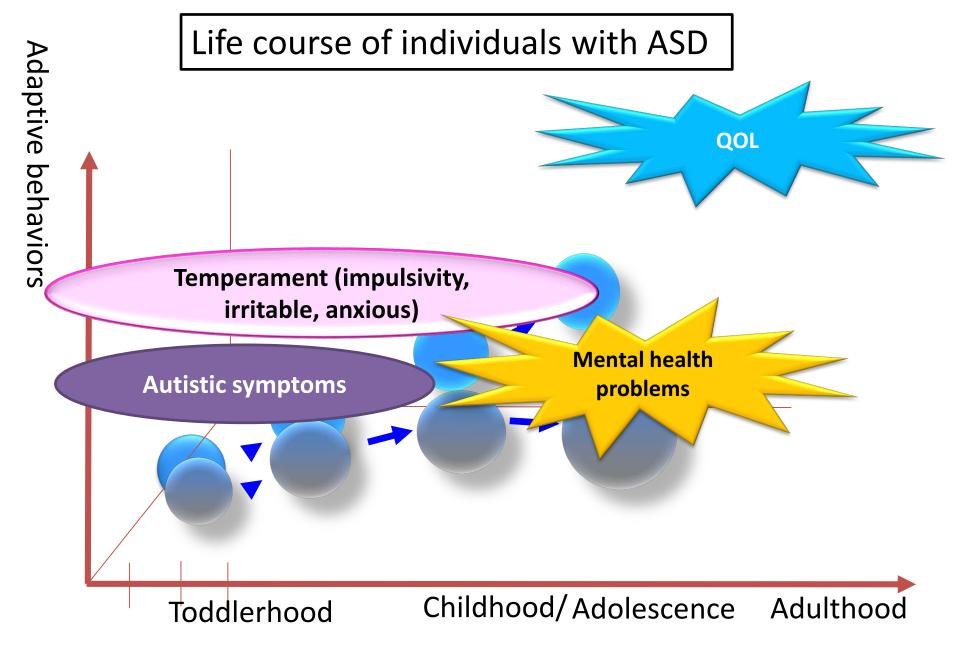


goal of support = promotion of wellness, quality of life (QOL)

WHA67.8 Comprehensive and coordinated efforts for the management of autism spectrum disorders¹

GENEVA, 19–24 MAY 2014

- ✓ to strengthen countries' leadership by engaging stakeholders
- ✓ to provide comprehensive health and social care services in community-based settings
- ✓ to implement multi-sectoral strategies for promotion of well-being
- ✓ to strengthen research capacity



QOL of adults with ASD: From nationwide survey in Japan

(Kamio et al., 2013)

• Lower QOL in adults with ASD

Males > females

Associated factors with lower QOL in adults with ASD

comorbid mental disorders

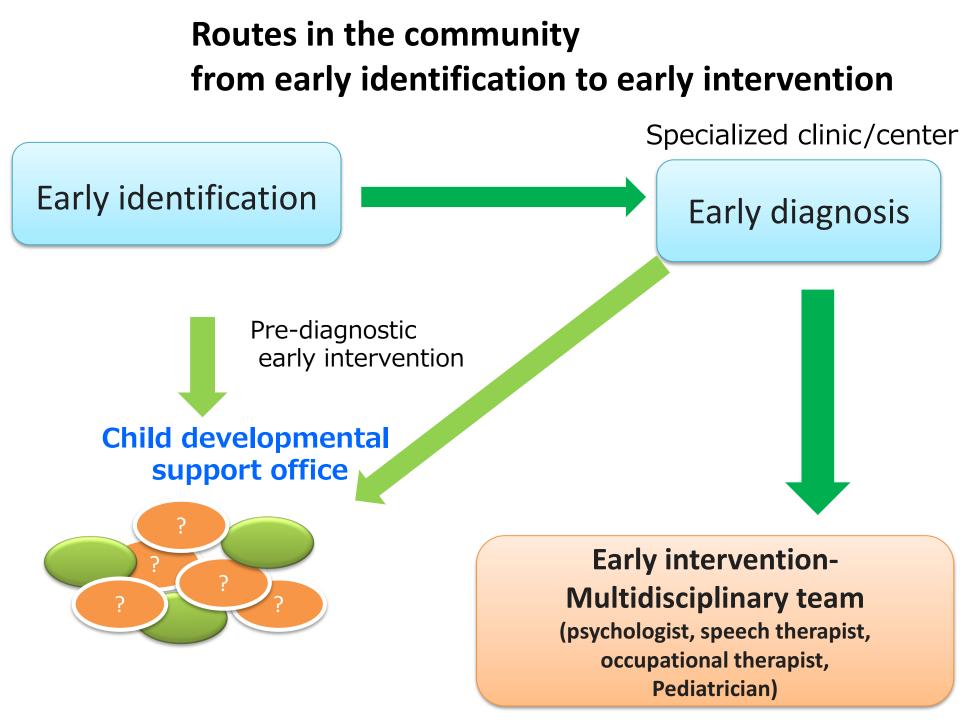
• Associated factors with higher QOL in adults with ASD

early diagnosis before 4 years of age

Today's topics

• Toddlers: early identification and intervention in Japan

 School children: school-based support in Japan



Early identification of ASD

routine health check-up system at 18 months (visit rate >90%)

General developmental screening (traditional)

Motor development Cognitive development Language development



ASD screening (e.g. M-CHAT) Social development

https://mchatscreen.com/ by Dr. Robins

✓ cultural adaptation (M-CHAT-JV) (Inada et al., RASD 2011)

 Enhancement of community-based active surveillance after detection (Kamio et al. JADD 2014) The M-CHAT asks parents about social development (joint attention) at this age.

23 questions illustrations

Fig. 1 Illustrations for items 7, 9, 17, and 23 are added to the Japanese version of the Modified Checklist for Autism in Toddlers (M-CHAT-JV). Illustrations for four items (7, declarative pointing; 9, brings to show; 17, gaze following; and 23, social reference) are added to the Japanese translation by Yoko Kamio. These items which are related to joint attention or social reference behaviors ask parents about negative symptoms (absence of a behavior expected to be present at this age is an alarm bell). These illustrations are designed to help parents understand the meaning of the questions

7.

9.

17.

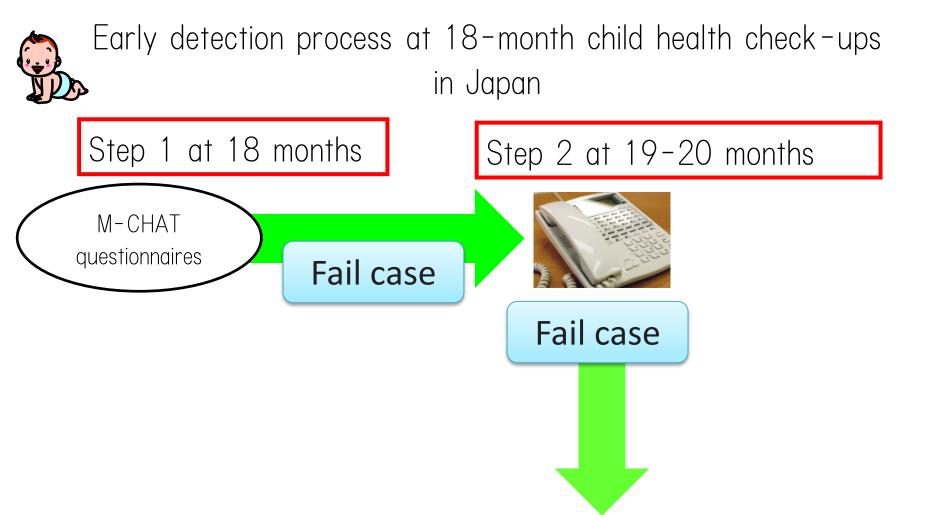
×

 \cap

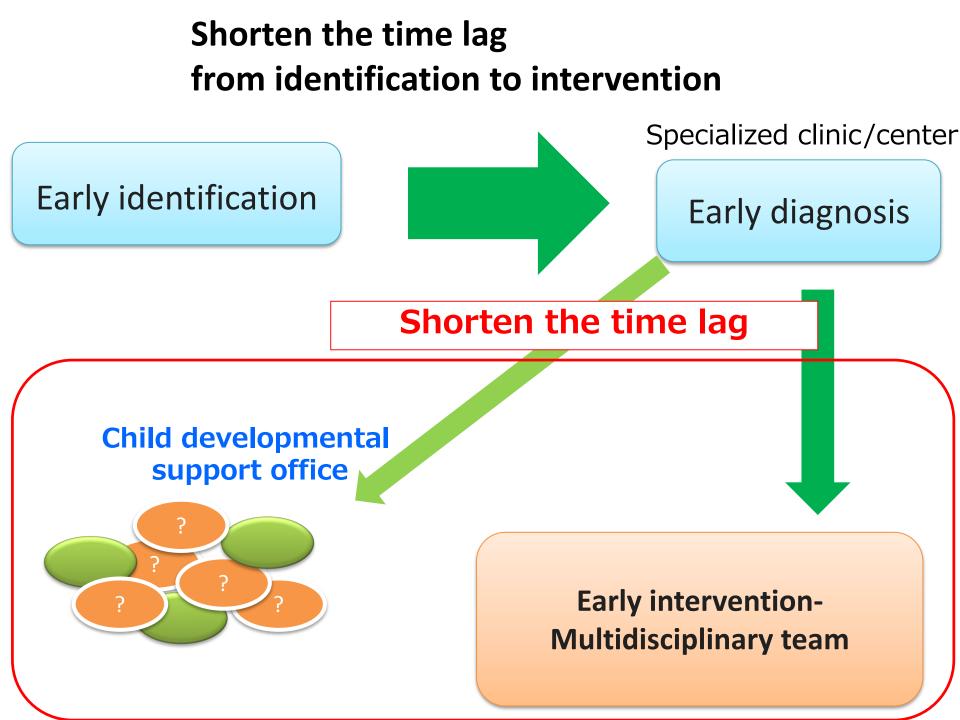




joint attention



Detailed assessment Referral to specialized center Follow-up in collaboration with other division (kindergarten, nursery school, welfare services) 10



DEVELOPMENT

cultural adaptaion of the scale validation, calibration funding



IMPLEMENTATION

academia-public partnership collect data, surveillance analyze data

DISSEMINATION

Barriers to implementing early detection and intervention in the community

Cultural variations in child rearing

- ✓ expectation for early development
- ✓ perception of children's autistic symptoms



- Respect the parental sense of value
- Empower parents of chidren with ASD and developmental disorders with evidence-based practices
- Support the whole needs of vulnerable families
- Make intervention acessible and affordable (school-based, online, et al.)

Early intervention of ASD

Evidence-based practices for optimal outcomes

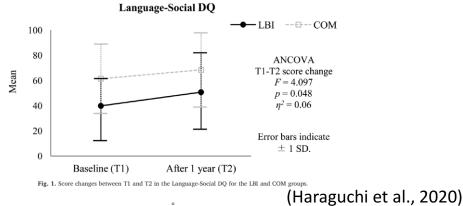
intervention type (behavioral (ABA)),
intensity (hours/week) (intensive 30 h/w)

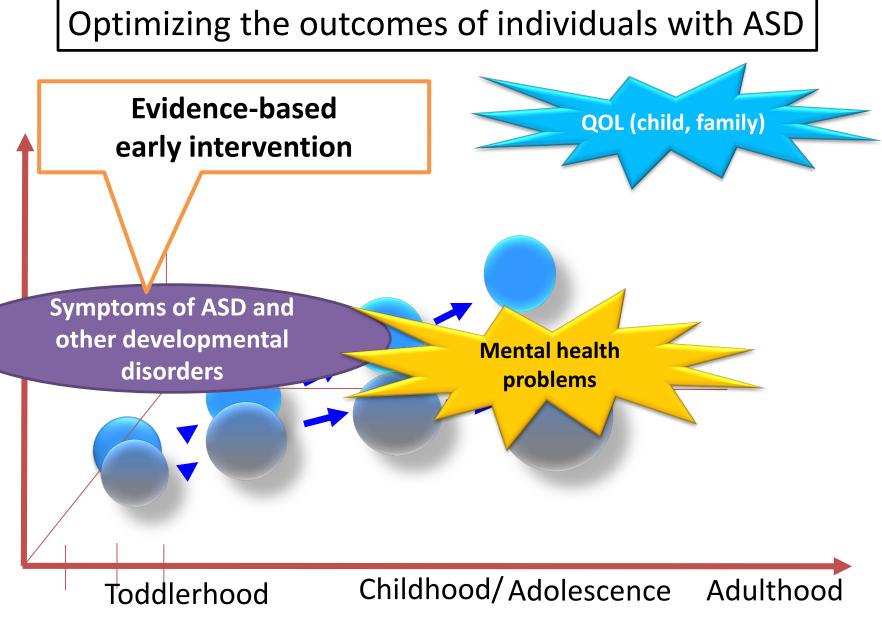


shortage of qualified therapists, high costs \rightarrow difficult to be disseminated

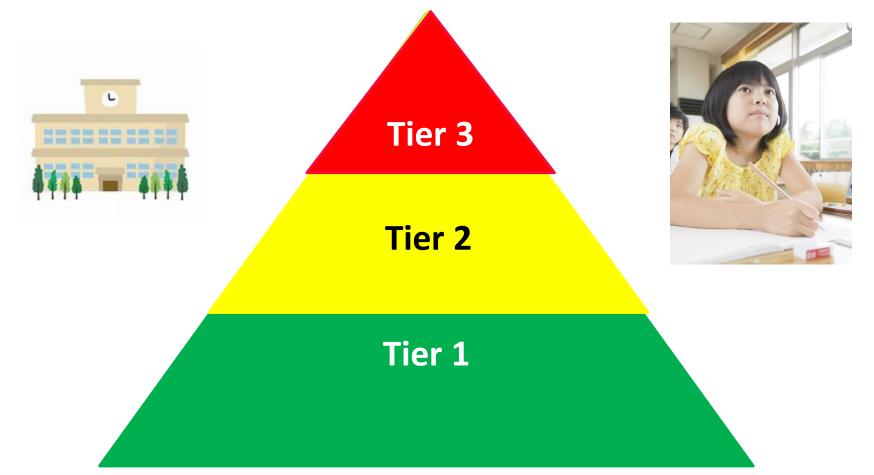
• Other options

low-intensity ABA (10 h/w) combined with parent-mediated training



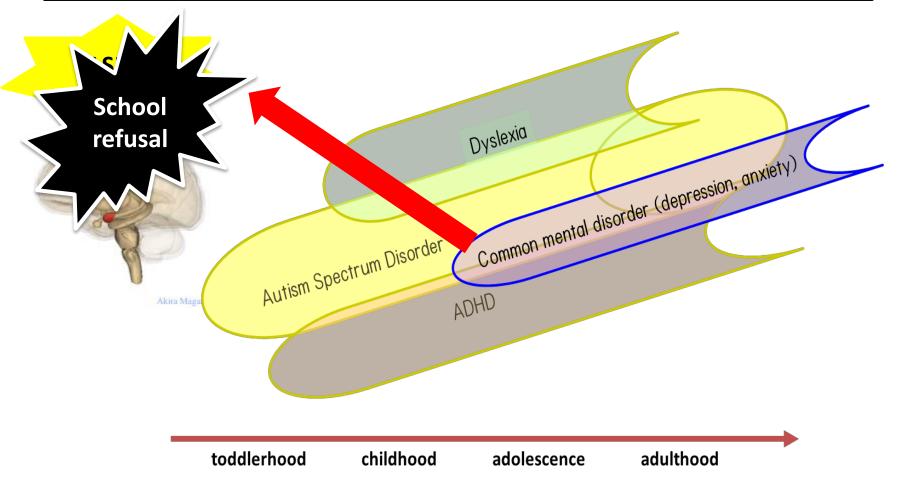


School is the most appropriate place where the program can be done systematically (WHO, 2005)

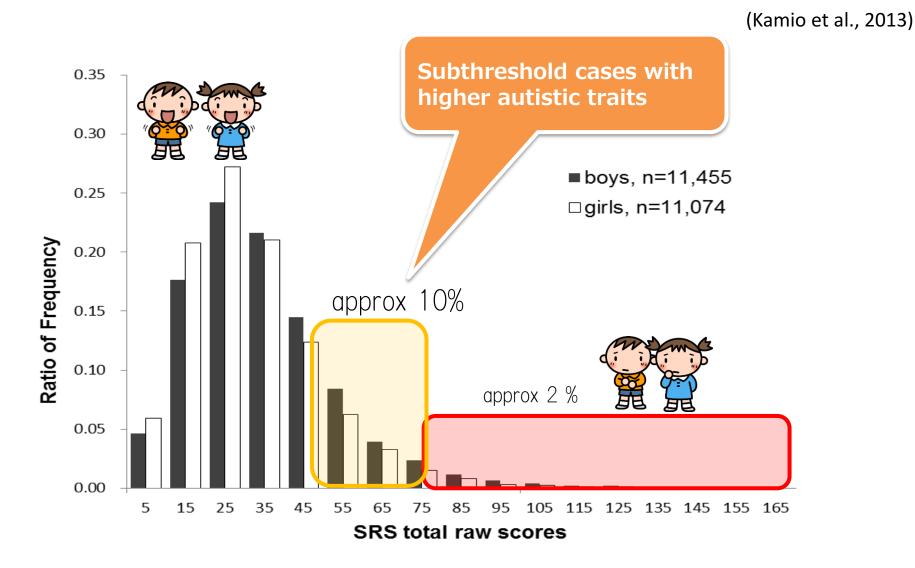


School-based Support for Children' Development and Wellbeing: the Multi-tiered System of Support (MTSS)

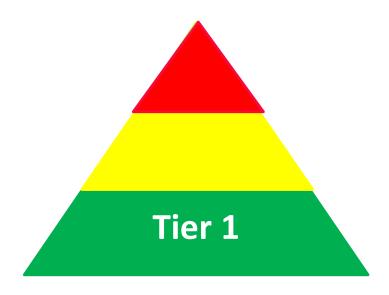
Co-occurrence of mental health problems in ASD and developmental disorders



Autistic traits are continuously distributed in regular classes



Tier 1 Support: universal approach



The goal is to promote resilience of all students

Social skill training

Cognitive restructuring

Problem solving training

psychoeducation

relaxation

Mental health literacy

Ishikawa et al. Child Adolesc Psychiatry Ment Health (2019) 13:44 https://doi.org/10.1186/s13034-019-0303-2 Child and Adolescent Psychiatry and Mental Health

RESEARCH ARTICLE



Open Access

Up2-D2

Developing the universal unified prevention program for diverse disorders for school-aged children

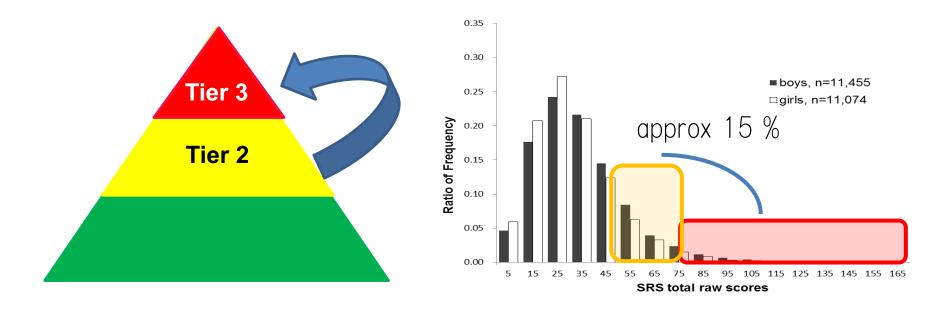
Shin-ichi Ishikawa^{1*}, Kohei Kishida^{2,3}, Takuya Oka⁴, Aya Saito^{4,8}, Sakie Shimotsu⁵, Norio Watanabe⁶, Hiroki Sasamori⁷ and Yoko Kamio^{4,9}



© 2017 Shin-ichi Ishikawa & Yoko Kamio

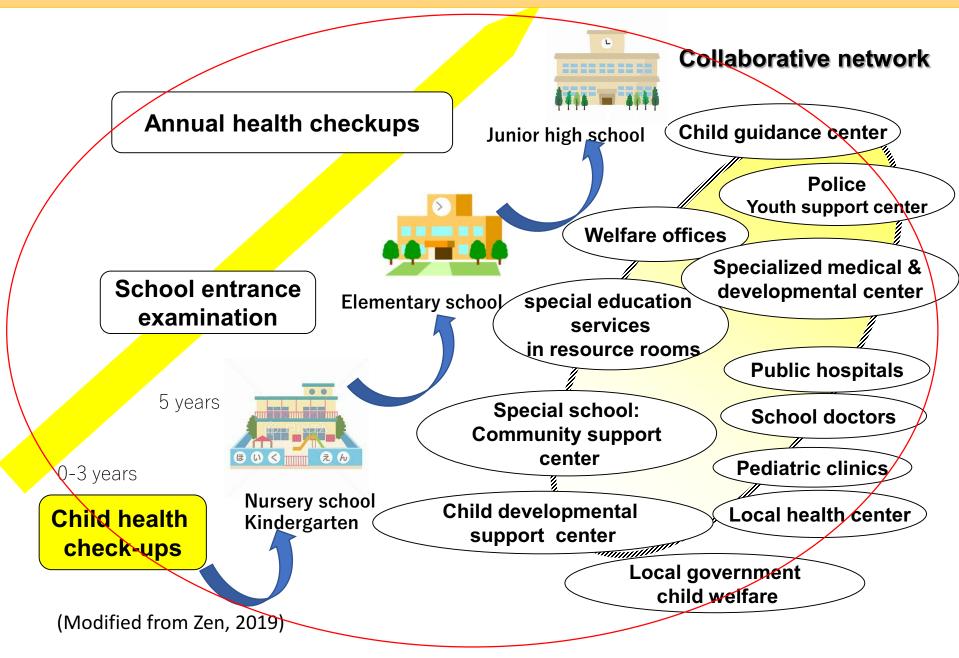
Master **Thought Light** you can find successfully your thought by using it! How to use though light... 赤丸くん 青山くん キミちゃん なま あおや なまえ あかまる なまえ ぼくの名前は青山です。 わたしの名前はキミです。 おれの名前は赤丸だ。 しょうがっこう ねんせい ねん しょうがく 小学6年生です。 ^っ小学校6年だ。 小学校6年生です。 たもの 好きな食べ物はカ 好きなものはテレビ。 好きなものはチョコレート ひとまえ はな べんきょう レーとコーラだ。苦手 です。人前で話すことが 勉強もスポーツもあん いぬ にがて とくい なものは犬だ。 とても苦手です。 まり得意じゃないんだ。

Tier 2 & 3 Support: selective & indicated approach



 Tier 3 refers to individualized support, targeting students who continue to struggle even when they receive Tier 2 support.

A collaborative network across life course in the community





Thank you for your attention.