

## National Institute of Autism Center National Standards Program Report Enlightenment of special education in China

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**Abstract:** National Standards Program launched by the United States Autism Center The ( hereinafter referred to as National Standards Program) aims to assess the core characteristics of autism spectrum disorders The effectiveness of education and behavior in the . The national standard plan is characterized by the leadership of the unified organization , based on evidence-based practice , Specification of the research process , to the home emphasis on education . The results of the National Standards program are " National standards Report " , The results of the first edition of are divided into four categories , The results of the second edition of are divided into three categories . national Standard meter the revelation of our country is concerned about the pertinence and effectiveness of the thousand-pre method , attach Parental guidance , Strengthen cooperation and exchange, promote resources A total of, attach importance to evidence-based practice Apply , focus on the lives of adult special groups .

**keywords:** National Standard Plan ; National standards Report ; Apocalypse

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CDC 2007 Year statistics show , every Children There is one person with autism spectrum disorders . with Autism spectrum disorder children number of surges , The corresponding treatments are also endless , But the valid of the method sex , Applicability is uneven . to help parents , Select for teachers and related services Choose a really effective thousand-way , Avoid wasting resources and people , 2007 Year , US National Autism Center ( National Autism Center ) to launch a national standard Schedule(national Standards projecresearch ( following abbreviation national standard Schedule . This study aims to assess the effectiveness of the Education and behavior of the children who have the core characteristics of autism spectrum disorders in the line , for autistic Spectrum handicapped children Thousand pre provides guidance based on evidence-based practice . The study has now published two studies report , one 2009 year Release " National standards Report ( one version ) , the newspaper Statistics on the relevant study for the 2007 ; Another copy is 2015 year published

National standards Report ( Second Edition ) , the report counts the 2007 year to % Year related research . to " National standard report " The study of can help us understandThe really effective thousand-way , To focus on the thousand in a truly effective way pre , Improving resource efficiency , also relieves parental burdens . has research findings [1], valid treatment or thousand can reduce the lifetime cost of patients with autism spectrum disorders 65%.

Results of the U.S. National Standard Plan Research report

National Standards Plan follow the process of evidence-based practice , According to the of the analyzed literature quality , quantity and consistency , through 6 main step analysis , divide all thousand presets laws and modes to 4 class , is a validated thousand-way , pending Check

thousand Pre-method , unconfirmed methods and invalid or unwanted thousand-square law . due to "

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National standards Report " ( First Foot Flush is not collected with sufficient evidence to prove To specify

that a thousand-way method is invalid or harmful. , National standards Report ( Second Edition ) divides the results only into validated thousand-way , pending Validation Pre- and unconfirmed methods 3 class , So this article only renders the pre 3 class thousand-way . National standard report ( First foot ) filters only for - age The following autism spectrum disorder patients ' thousand-pre , and the second edition involves the year old above patients .

1. for thousand -way patients with autism spectrum disorders under age .

1.1 a validated thousand-way . the Validation of the thousand-way method is that those have sufficient evidence to have a good effect on autism spectrum disorders.method . National standard report ( First edition ) filter out one valid thousand 湍 things thousand pre-class , behavior thousand pre class , Early Childhood integrated behavioral therapy , Common note pre , model teaching , Nature teaching Policy , Peer training class , Critical response treatment , line Calendar , self -Managing, Story thousand-class , as research progresses , Second update to Item effective thousand-in-one, except before thousand pre-class , Common note pre- 9 items and cognitive behavior

Pre-category , Language ( Express ) Training , Parent Training , scripting , Social Skills training class ). where " Children early " refers to from birth to 8 year old ,Other unspecified objects mean from birth to -Year-old Autism spectrum disorder Patients . due to two versions National standards Report included research at different time periods , and some of the reasons for the lack of consistent research, such as , 2 in first edition for effective method ( before pre -Class, pay attention to thousand pre )on The second edition does not include the .

2. thousand pre-methods to be tested . the thousand-way that is to be tested is a method that shows a possible way to show that a , but due to the required researchLow number of , can't judge the Effect of this method . first edition includes cognitive line for thousand pre- , language ( expression ) Training , Peer-assisted instruction ,scripting , social networking can train classes , Auxiliary communication devices , Exercise , Exposure Therapy , mimics interactivity method , Initiation Training , Language (expression vs. Contact training , massage or touch therapy , [] All thousand pre , Music Therapy , Picture Exchange communication System , Restore Class , Logo Guidelinesmethod , social thousand , structured teaching , Technical Treatment , Psychological theory training . Second Edition including first version in the previous 5 other than items, Other relationships based on Show therapy and functional communication training . The result of this section is only for under Autism spectrum disorder Patients .

3. Unconfirmed thousand-way . An unproven approach to research means that there are few texts offer ( or have literature to check , but journal without peer review can use to analyze its effects on patients with autism spectrum disorders , no the method is conclusive on the validity of this method . The first edition of these methods includes disciplines skills thousand , Auditory Integration Training , Assistant communication policy , go to cereals and casein drinks Diet , Sensory Integration Training class ; The Second edition of includes the first version of the the Thousand-way ,, and also includes animal assisted therapy , [ concept composition ] , Floor time mode , behavior thousand-way ,SENSE play thousand pre , Impact therapy , Social line for Learning policy , Social awareness thousand pre , Social Thinking thousand preset methods .

4. for Thousands of patients with autism spectrum disorders aged and above law . National standard report ( first version ) Research only the lonely Pre-methods for patients with disease-spectrum disorders , But we all know autism is not going to be Cures for , It is an obstacle that accompanies a patient's life . so , Parents and researchthe person wants to explore whether a method is valid only at a certain age , or A person with Autism spectrum disorders can use in their lifetime . National standard report (Second Edition ) after research based on evidence-based practice , Come to the following results : for Age and above the autism spectrum disorder in the thousand-way method , Proven valid The Thousand-way method acts as a pre- , thousand-way to be tested for vocational training class , Pre-proven thousand-way to cognitive behavior category , model teaching , Music therapy method , Sensory Integration Training class .

to The Thousand-way method for patients with autism spectrum disorders is significantly less than : Thousand pre years old . We can also draw a conclusion : line is a pre-active for minors and adults with autism spectrum disorder in Thousand pre methods . but at the same time we should note that , at home and abroad are currently common to Autism spectrum disorder patients lack of attention . about Autism spectrum disorder Early thousand children of the same time , We should also be concerned about adult autism spectrum Disorders The life of the patient , to Avoid the other ..

## 5. features of the U.S. National standard program

### 5.1 Organization Scientific and reasonable . The U.S. National Autism Center is closed by the United States

The pioneer of disease research ----- Medvedev Association ( may Institute on ?? Year creation

for . the Medvedev Association has a History of, years old , Services thousands per year for families and individuals , exceeds across the country The state has a total of 160Multiple Services point , has evolved a nationwide service network , is the Strong backing of the National Autism Center . under the support of the Mason Association ,National Autism Center in ?? Year start national plan , Research team by nationally renowned scholars , Research The leader of the researcher and other areas of research is .

A reasonable research team is the first step in the study that can be done successfully , Country Mark The scheduled research team brings together experts from a number of related fields , Brainstorming the , avoids the various researchers ' own talk from behind closed doors . by a unified organization for Leadership also guarantees data collection , profiling procedures and standards and consistent , improve reliability of Research .

Base on evidence-based practice . When a child is diagnosed with autism spectrum disorder after the most common problem for parents is : Now what's the way to help My child . existing autism spectrum disorders in thousand pre and thousand pre mode have multiple , involves education , Psychological , Medical and other aspects . so, parents and teachings The real problem for the division is what is really helpful and suitable for children .

with , An assessment of intervention methods for autism spectrum disorders is imperative .

is not because of the focus and complexity of each intervention method and pattern with plus The effect of an intervention may vary with the age of the patient and not same as so , There is no single metric that can be used to evaluate all methods and modulo style , evidence-based practices (Evidence- Practice) in this case best choice for evaluation . The logic of evidence-based practice is simple , is to identify and use universally accepted , Most effective practice to improve students ' achievements [2,3]. confirm Practice from top 20 century age evidence-based medicine [4] ( evidence-base Medicine ), to form evidence-based practice after the enrichment of the original concept by other scholars [ Gas It's best Research evidence , The expert clinical experience and the patient's personal experience comprehensive [7] , is - include multiple steps research process : first , Determine a patient's concern questions about intervention targets ; Second , retrieves evidence related to the problem . third , rigorously evaluate evidence retrieved ; Fourth , uses the combined results for intervention schedule . the last step is a repetitive link , to record the intervening procedure results and deficiencies ,Adjusting intervention based on feedback results . [8 ? certificate practice to The intervention of autism spectrum disorders provides more detailed , rigorous basis , reduceThe blindness of parents and teachers in selecting interventions , makes the autism spectrum patients are able to receive the most appropriate intervention .

### 5.2 specifications for the research process . based on evidence-based steps , US country the implementation

process for the home standard program also has a uniform specification to follow , roughly six steps . first , establishing a theoretical model of document evaluation ; Second , Filter Research offer ; Third , Determine the reliability of the document ; Fourth , uses the Scientific value rating table " Evaluation article ; Fifth , Intervention Evaluation ; Sixth , Classification using the evidence strengthsystem Complete Analysis . National standard report ( Second Edition ) the follows The first version of the Theoretical model , so only after 5 steps , The detailed research process is as follows: 1

after figure 1 The shown in a Series Filter , National standards Report ( - rather last hold 775 Research , The second edition retains the 389 Research . The research process and measurable review metrics for rules can minimize the Filter deviations caused by the subjective differences of the researcher , To ensure the objectivity and rigour of the study to sex .

5.3 attention to family education . The researcher emphasized that family education and intervention importance , They think that parents look at autism spectrum disorder children differently from research The unique perspective of the learner , parental experience and views are very important .

Year , National Autism Center research results based on national standards Program The Foundation is written with the hands of parents of patients with autism spectrum disorders book , covers evidence-based practice application in Intervention , Introduction to Autism spectrum disorders , National Standards Program Research results ,importance of expert advice and data collection , The importance of parental opinions and how to judge the qualifications of institutions and teachers. Contents , also cite some parental rights that parents often ignore . in order for the manual to be concise and easy understand , Some chapters are written by a parent who is competent for this job . , reason This way of explaining the problem , The angle of thinking questions is easy for parents to understand and subject to . during the writing of other chapters ,Experts also try to avoid using professional procedures and professional abbreviations , to use jargon or abbreviations the , also explains what you mean by the , try not to obscure articles , Easy Parental understanding and use .

6. The revelation of national standard plan to the development of special education in China

6.1 focus on the pertinence and effectiveness of the intervention . Many parents or teachers Easy to introduce to foreign literature or researcher in the process of selecting intervention is in the same way . , But the results of the above national standards Program can be to See , Not all foreign intervention methods are valid methods . in the intervention method when selecting , should be aware of foreign research developments , guarantee to keep pace with the Times Yes True , but also note the validity of the selected method , no novelty . differs from to object barrier types and degrees , Sometimes the dry pre-methods that are valid for an individual can have no significant effect on another person ; or because the individual has the How intervention works , exclusion of equipment used , intervention sometimes on a The body is not very well implemented , so parents and teachers in the Select Intervention Party the method should also take into account the applicability of the object .

6.2 attention to parental guidance . Many parents think education is a teacher's responsibilities or consider yourself incapable of intervention training , So send the child after a school or institution, regardless of the child's education and intervention . in fact , home education play an important role in children's lives [one] . interventions in the family the Practice more easily generalization of knowledge and skills for children , to better adapt to the club Life , So teachers should establish close contact with parents . schools or institutions should also strengthen awareness of parental intervention and interventions when they are specifically (for child education) Guidelines ,Enable parents to recognize the importance of the thousands of activities in the family , security Certificate Family and school education consistency , provides a better learning for children Learning and applying environment .

6.3 enhance cooperation and exchange for resource sharing . first , teachers and teachers collaboration between should be enhanced . the Author in the course of communication with teachers in special education schools Learn about , lack of teaching communication between special school teachers . So schools should group weave teacher Weekly Week meeting , for exchanging teaching experiences . teachers can tell the The teaching story , share tips on handling common problems in teaching , also mention The problems that you have encountered during the teaching process , Let other teachers propose solutions See . This solves the problem of teachers ' teaching problems , Improving quality of teaching ; on the other hand, teachers can talk about their troubles in

teaching. , For teachers physically and mentally healthy . second ,Cooperation between parents and parents should also be enhanced . Parents should set up a parent support group under the guidance of A school or a "" "" , To Exchange family or with loneliness The experience of children with disease spectrum disorders . enhanced communication between parents and parents help Parents reduce psychological stress , can also share with children through Check . especially for children who have just been diagnosed , Parental communication can cause autism Child parents get out of the way as quickly as possible escape reality or disorder Touyi State , Sensible Ground to reality , Learning family thousand-way , adapt to its role .

6.4 attaching importance to the application of evidence-based practice . thousand-way many , but cohabitation ,

The should evaluate thousands of pre-methods based on evidence-based procedures [[]] . and with the state to Special Education attention and support , Special Education related research is also increasing in number , in Research Quality evaluation , should also be referenced in the U.S. National Standards Program practices and indicators , Strive to improve research quality , really make high quality research services for patients with autism spectrum disorders in thousands of pre-practice . evidence-based Practice has become a new paradigm of "" for Special Education Research and practice [3] , evidence-based Practice in special education collar fields application , Improving quality of special education research , Promote research results Practice Value , is important [[]] .

6.5 attention to the lives of special adult groups . with the National special Education Increase support , more and more children with special education needs will be able to access special Learning and rehabilitation training in educational schools or rehabilitation institutions . But we should also consider an issue : Adult Special education needs patients where they are , thousand what? ? after systematic learning and thousand pre , partially less-accessible individuals to take up a certain job in society , But our country is currently receiving such adults Little Welfare factory , Most people leave school and stay at home by their parents gu . early thousand is important , But we should also focus on the life of special groups development , Understanding their requirements , to provide it with the appropriate help .

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