

Supplementary Table 2. Search strategy for each database

Search engine	Search query
CNKI	<p>#1 (Title, keywords and abstract) = (autism) + (ASD) + (autism disorder)</p> <p>#2 (Title, keywords and abstract) =(child) + (preschool children) + (infant)</p> <p>#3 (Title, keywords and abstract)= (e-health) + (digital health) + (telemedicine) + (telerehabilitation) + (telehealth) + (mobile health) + (virtual reality) + (online) + (social media) + (network) + (application)</p> <p>#4 (Title, keywords and abstract)=(family) +(caregiver) +(parents) + (relative)</p> <p>#5 (Title, keywords and abstract)=(intervention) + (support)</p> <p>#6 #1 AND #2 AND #3 AND #4 AND #5</p>
Pubmed	<p>#1 (Autism Spectrum Disorder[MeSH Terms] OR Autistic disorder[MeSH Terms] OR Autism Spectrum Disorders[Title/Abstract] OR Autistic Spectrum Disorder[Title/Abstract] OR Autistic Spectrum Disorders[Title/Abstract] OR Disorder, Autistic Spectrum[Title/Abstract] OR Disorder, Autistic[Title/Abstract] OR Disorders, Autistic[Title/Abstract] OR Autism, Infantile[Title/Abstract] OR Infantile Autism[Title/Abstract] OR Autism[Title/Abstract] OR Autism, Early Infantile[Title/Abstract] OR Early Infantile Autism[Title/Abstract] OR Infantile Autism, Early[Title/Abstract] OR ASD[Title/Abstract] OR autis*[Title/Abstract])</p> <p>#2 (Child, Preschool[MeSH Terms] OR Infant[MeSH Terms] OR Infant, Newborn[MeSH Terms] OR Preschool Child[Title/Abstract] OR Children, Preschool[Title/Abstract] OR Preschool Children[Title/Abstract] OR Infants[Title/Abstract] OR Infants, Newborn[Title/Abstract] OR Newborn Infant[Title/Abstract] OR Newborn Infants[Title/Abstract] OR Newborns[Title/Abstract] OR Newborn[Title/Abstract] OR Neonate[Title/Abstract] OR Neonates[Title/Abstract] OR child*[Title/Abstract] OR toddler*[Title/Abstract] OR infancy[Title/Abstract])</p> <p>#3 (Telemedicine[MeSH Terms] OR Mobile Applications[MeSH Terms] OR Cell Phone[MeSH Terms] OR Telephone[MeSH</p>

Terms] OR Remote Consultation[MeSH Terms] OR Videoconferencing[MeSH Terms] OR Artificial Intelligence[MeSH Terms] OR mhealth[Title/Abstract] OR ehealth[Title/Abstract] OR m-health[Title/Abstract] OR e-health[Title/Abstract] OR tele-health[Title/Abstract] OR telehealth[Title/Abstract] OR telehealthcare[Title/Abstract] OR telemonitoring[Title/Abstract] OR teleconsultation[Title/Abstract] OR Telerehabilitation[MeSH Terms] OR Education, Distance[MeSH Terms] OR Smartphone[MeSH Terms] OR Social Media[MeSH Terms] OR Internet[MeSH Terms] OR Mobile Health[Title/Abstract] OR Health, Mobile[Title/Abstract] OR electronic[Title/Abstract] OR Distance Education[Title/Abstract] OR Distance Learning[Title/Abstract] OR Learning, Distance[Title/Abstract] OR Online Learning[Title/Abstract] OR Learning, Online[Title/Abstract] OR Online Education[Title/Abstract] OR Education, Online[Title/Abstract] OR Online Educations[Title/Abstract] OR Phone, Cell[Title/Abstract] OR Phones, Cell[Title/Abstract] OR Cellular Phone[Title/Abstract] OR Cellular Phones[Title/Abstract] OR Phone, Cellular[Title/Abstract] OR Phones, Cellular[Title/Abstract] OR Telephone, Cellular[Title/Abstract] OR Cellular Telephone[Title/Abstract] OR Cellular Telephones[Title/Abstract] OR Telephones, Cellular Cell Phones[Title/Abstract] OR Portable Cellular Phone[Title/Abstract] OR Cellular Phone, Portable[Title/Abstract] OR Cellular Phones, Portable[Title/Abstract] OR Portable Cellular Phones[Title/Abstract] OR Transportable Cellular Phone[Title/Abstract] OR Cellular Phone, Transportable[Title/Abstract] OR Cellular Phones, Transportable[Title/Abstract] OR Transportable Cellular Phones[Title/Abstract] OR Mobile Phone[Title/Abstract] OR Mobile Phones[Title/Abstract] OR Phone, Mobile[Title/Abstract] OR Phones, Mobile[Title/Abstract] OR Mobile Telephone[Title/Abstract] OR Mobile Telephones[Title/Abstract] OR Telephone, Mobile[Title/Abstract] OR Telephones, Mobile[Title/Abstract] OR Smartphones[Title/Abstract] OR Smart Phones[Title/Abstract] OR Smart Phone[Title/Abstract] OR Phones, Smart[Title/Abstract] OR Media, Social[Title/Abstract] OR Social Medium[Title/Abstract] OR Twitter[Title/Abstract] OR wechat[Title/Abstract] OR Telerehabilitation[Title/Abstract] OR Remote Rehabilitation[Title/Abstract] OR Rehabilitation, Remote[Title/Abstract] OR Rehabilitations, Remote[Title/Abstract] OR Remote Rehabilitations[Title/Abstract] OR Virtual Rehabilitation[Title/Abstract] OR Rehabilitation, Virtual[Title/Abstract] OR Rehabilitations, Virtual[Title/Abstract] OR Virtual Rehabilitations[Title/Abstract] OR digital*[Title/Abstract] OR

tele*[Title/Abstract] OR comput*[Title/Abstract] OR mobile*[Title/Abstract] OR phone*[Title/Abstract] OR remote*[Title/Abstract] OR web*[Title/Abstract] OR internet*[Title/Abstract] OR video*[Title/Abstract] OR econsult*[Title/Abstract] OR emedic*[Title/Abstract] OR e-medic*[Title/Abstract] OR virtual*[Title/Abstract] OR wearable*[Title/Abstract] OR network*[Title/Abstract] OR online*[Title/Abstract] OR APP[Title/Abstract])

#4 (Family[MeSH Terms] OR Parents[MeSH Terms] OR Caregivers[MeSH Terms] OR Families[Title/Abstract] OR Family Life Cycles[Title/Abstract] OR Life Cycle, Family[Title/Abstract] OR Life Cycles, Family[Title/Abstract] OR Family Life Cycle[Title/Abstract] OR Family Members[Title/Abstract] OR Family Member[Title/Abstract] OR Stepfamily[Title/Abstract] OR Stepfamilies[Title/Abstract] OR Family, Reconstituted[Title/Abstract] OR Families, Reconstituted[Title/Abstract] OR Reconstituted Families[Title/Abstract] OR Reconstituted Family[Title/Abstract] OR Filiation[Title/Abstract] OR Kinship Networks[Title/Abstract] OR Kinship Network[Title/Abstract] OR Networ, Kinship[Title/Abstract] OR Networks, Kinship[Title/Abstract] OR Relatives[Title/Abstract] OR Extended Family[Title/Abstract] OR Extended Families[Title/Abstract] OR Families, Extended[Title/Abstract] OR Family, Extended[Title/Abstract] OR Family Research[Title/Abstract] OR Research, Family[Title/Abstract] OR Parent[Title/Abstract] OR Parenthood Status[Title/Abstract] OR Status, Parenthood[Title/Abstract] OR Step-Parents[Title/Abstract] OR Step Parents[Title/Abstract] OR Step-Parent[Title/Abstract] OR Stepparent[Title/Abstract] OR Stepparents[Title/Abstract] OR Parental Age[Title/Abstract] OR Age, Parental[Title/Abstract] OR Ages, Parental[Title/Abstract] OR Parental Ages[Title/Abstract] OR Caregiver[Title/Abstract] OR Carers[Title/Abstract] OR Carer[Title/Abstract] OR Care Givers[Title/Abstract] OR Care Giver[Title/Abstract] OR Spouse Caregivers[Title/Abstract] OR Caregiver, Spouse[Title/Abstract] OR Caregivers, Spouse[Title/Abstract] OR Spouse Caregiver[Title/Abstract] OR Family Caregivers[Title/Abstract] OR Caregiver, Family[Title/Abstract] OR Caregivers, Family[Title/Abstract] OR Family Caregiver[Title/Abstract] OR Informal Caregivers[Title/Abstract] OR Caregiver, Informal[Title/Abstract] OR Caregivers, Informal[Title/Abstract] OR Informal Caregiver[Title/Abstract] OR family carer*[Title/Abstract] OR family caregiver*[Title/Abstract] OR primary

	<p>caregiver*[Title/Abstract] OR primary carer*[Title/Abstract] OR parent*[Title/Abstract] OR parents[Title/Abstract] OR mother*[Title/Abstract] OR mothers[Title/Abstract] OR father*[Title/Abstract] OR fathers[Title/Abstract] OR grandparent[Title/Abstract] OR grandmother[Title/Abstract] OR grandfather[Title/Abstract] OR home nursing[Title/Abstract] OR legal guardians[Title/Abstract] OR caretaker[Title/Abstract])</p> <p>#5 (Education[MeSH Terms] OR Training Support[MeSH Terms] OR Early Intervention, Educational[MeSH Terms] OR intervention[Title/Abstract] OR Workshops[Title/Abstract] OR Workshop[Title/Abstract] OR Training Programs[Title/Abstract] OR Program, Training[Title/Abstract] OR Programs, Training[Title/Abstract] OR Training Program[Title/Abstract] OR Educational Activities[Title/Abstract] OR Activities, Educational[Title/Abstract] OR Activity, Educational[Title/Abstract] OR Educational Activity[Title/Abstract] OR Support, Training[Title/Abstract] OR Supports, Training[Title/Abstract] OR Training Supports[Title/Abstract] OR Educational Early Intervention[Title/Abstract] OR Intervention, Educational Early[Title/Abstract] OR Early Education[Title/Abstract] OR Early Intervention, Education[Title/Abstract] OR Education Early Intervention[Title/Abstract] OR Intervention, Education Early[Title/Abstract] OR Early Intervention Education[Title/Abstract] OR Education, Early Intervention[Title/Abstract] OR Intervention Education, Early[Title/Abstract] OR Head Start Program[Title/Abstract] OR Treatment[Title/Abstract] OR Therapy[Title/Abstract] OR Disease management[Title/Abstract] OR Support[Title/Abstract] OR Promotion[Title/Abstract] OR prevention[Title/Abstract])</p> <p>#6 #1 AND #2 AND #3 AND #4 AND #5</p>
Web of science	<p>#1 (TI=Autism Spectrum Disorder OR TI=Autistic disorder OR TI=Autism Spectrum Disorders OR TI=Autistic Spectrum Disorder OR TI=Autistic Spectrum Disorders OR TI=Disorder, Autistic Spectrum OR TI=Disorder, Autistic OR TI=Disorders, Autistic OR TI=Autism, Infantile OR TI=Infantile Autism OR TI=Autism OR TI=Autism, Early Infantile OR TI=Early Infantile Autism OR TI=Infantile Autism, Early OR TI=ASD OR TI=autis*)</p> <p>#2 (TI=Child, Preschool OR TI=Preschool Child OR TI=Children, Preschool OR TI=Preschool Children OR TI=Infant OR TI=Infants OR TI=Infant, Newborn OR TI=Infants, Newborn OR TI=Newborn Infant OR TI=Newborn Infants OR TI=Newborns OR TI=Newborn</p>

OR TI=Neonate OR TI=Neonates OR TI=child* OR TI=toddler* OR TI=infancy)

#3 (TI=Telemedicine OR TI=Mobile Applications OR TI=Cell Phone OR TI=Telephone OR TI=Remote Consultation OR TI=Videoconferencing OR TI=Artificial Intelligence OR TI=mhealth OR TI=ehealth OR TI=m-health OR TI=e-health OR TI=tele-health OR TI=telehealth OR TI=telehealthcare OR TI=telemonitoring OR TI=teleconsultation OR TI=Telerehabilitation OR TI=Education, Distance OR TI=Smartphone OR TI=Social Media OR TI=Internet OR TI=Mobile Health OR TI=Health, Mobile OR TI=electronic OR TI=Distance Education OR TI=Distance Learning OR TI=Learning, Distance OR TI=Online Learning OR TI=Learning, Online OR TI=Online Education OR TI=Education,Online OR TI=Online Educations OR TI=Phone, Cell OR TI=Phones, Cell OR TI=Cellular Phone OR TI=Cellular Phones OR TI=Phone, Cellular OR TI=Phones, Cellular OR TI=Telephone, Cellular OR TI=Cellular Telephone OR TI=Cellular Telephones OR TI=Telephones, Cellular Cell Phones OR TI=Portable Cellular Phone OR TI=Cellular Phone, Portable OR TI=Cellular Phones, Portable OR TI=Portable Cellular Phones OR TI=Transportable Cellular Phone OR TI=Cellular Phone, Transportable OR TI=Cellular Phones, Transportable OR TI=Transportable Cellular Phones OR TI=Mobile Phone OR TI=Mobile Phones OR TI=Phone, Mobile OR TI=Phones, Mobile OR TI=Mobile Telephone OR TI=Mobile Telephones OR TI=Telephone, Mobile OR TI=Telephones, Mobile OR TI=Smartphones OR TI=Smart Phones OR TI=Smart Phone OR TI=Phones, Smart OR TI=Media, Social OR TI=Social Medium OR TI=Twitter OR TI=wechat OR TI=Tele rehabilitation OR TI=Remote Rehabilitation OR TI=Rehabilitation, Remote OR TI=Rehabilitations, Remote OR TI=Remote Rehabilitations OR TI=Virtual Rehabilitation OR TI=Rehabilitation, Virtual OR TI=Rehabilitations, Virtual OR TI=Virtual Rehabilitations OR TI=digital* OR TI=tele* OR TI=comput* OR TI=mobile* OR TI=phone* OR TI=remote* OR TI=web* OR TI=internet* OR TI=video* OR TI=econsult* OR TI=emedic* OR TI=e-medic* OR TI=virtual* OR TI=wearable* OR TI=network* OR TI=online* OR TI=APP) AND (TI=Family OR TI=Parents OR TI=Caregivers OR TI=Families OR TI=Family Life Cycles OR TI=Life Cycle, Family OR TI=Life Cycles, Family OR TI=Family Life Cycle OR TI=Family Members OR TI=Family Member OR TI=Stepfamily OR TI=Stepfamilies OR TI=Family, Reconstituted OR TI=Families, Reconstituted OR TI=Reconstituted Families OR TI=Reconstituted Family OR TI=Filiation OR TI=Kinship Networks

OR TI=Kinship Network OR TI=Networ, Kinship OR TI=Networks, Kinship OR TI=Relatives OR TI=Extended Family OR TI=Extended Families OR TI=Families, Extended OR TI=Family, Extended OR TI=Family Research OR TI=Research, Family OR TI=Parent OR TI=Parenthood Status OR TI=Status, Parenthood OR TI=Step-Parents OR TI=Step Parents OR TI=Step-Parent OR TI=Stepparent OR TI=Stepparents OR TI=Parental Age OR TI=Age, Parental OR TI=Ages, Parental OR TI=Parental Ages OR TI=Caregiver OR TI=Carers OR TI=Carer OR TI=Care Givers OR TI=Care Giver OR TI=Spouse Caregivers OR TI=Caregiver, Spouse OR TI=Caregivers, Spouse OR TI=Spouse Caregiver OR TI=Family Caregivers OR TI=Caregiver, Family OR TI=Caregivers, Family OR TI=Family Caregiver OR TI=Informal Caregivers OR TI=Caregiver, Informal OR TI=Caregivers, Informal OR TI=Informal Caregiver OR TI=family carer* OR TI=family caregiver* OR TI=primary caregiver* OR TI=primary carer* OR TI=parent* OR TI=parents OR TI=mother* OR TI=mothers OR TI=father* OR TI=fathers OR TI=grandparent OR TI=grandmother OR TI=grandfather OR TI=home nursing OR TI=legal guardians OR TI=caretaker)

#4 (TI=intervention OR TI=Education OR TI=Training Support OR TI=Early Intervention, Educational OR TI=Workshops OR TI=Workshop OR TI=Training Programs OR TI=Program, Training OR TI=Programs, Training OR TI=Training Program OR TI=Educational Activities OR TI=Activities, Educational OR TI=Activity, Educational OR TI=Educational Activity OR TI=Support, Training OR TI=Supports, Training OR TI=Training Supports OR TI=Educational Early Intervention OR TI=Intervention, Educational Early OR TI=Early Education OR TI=Early Intervention, Education OR TI=Education Early Intervention OR TI=Intervention, Education Early OR TI=Early Intervention Education OR TI=Education, Early Intervention OR TI=Intervention Education, Early OR TI=Head Start Program OR TI=Treatment OR TI=Therapy OR TI=Disease management OR TI=Support OR TI=Promotion OR TI=prevention)) OR ((AB=Autism Spectrum Disorder OR AB=Autistic disorder OR AB=Autism Spectrum Disorders OR AB=Autistic Spectrum Disorder OR AB=Autistic Spectrum Disorders OR AB=Disorder, Autistic Spectrum OR AB=Disorder, Autistic OR AB=Disorders, Autistic OR AB=Autism, Infantile OR AB=Infantile Autism OR AB=Autism OR AB=Autism, Early Infantile OR AB=Early Infantile Autism OR AB=Infantile Autism, Early OR AB=ASD OR AB=autis*))

#5 (AB=Child, Preschool OR AB=Preschool Child OR AB=Children, Preschool OR AB=Preschool Children OR AB=Infant

OR AB=Infants OR AB=Infant, Newborn OR AB=Infants, Newborn
OR AB=Newborn Infant OR AB=Newborn Infants OR
AB=Newborns OR AB=Newborn OR AB=Neonate OR
AB=Neonates OR AB=child* OR AB=toddler* OR AB=infancy)

#6 (AB=Telemedicine OR AB=Mobile Applications OR AB=Cell
Phone OR AB=Telephone OR AB=Remote Consultation OR
AB=Videoconferencing OR AB=Artificial Intelligence OR
AB=mhealth OR AB=ehealth OR AB=m-health OR AB=e-health OR
AB=tele-health OR AB=telehealth OR AB=telehealthcare OR
AB=telemonitoring OR AB=teleconsultation OR
AB=Telerehabilitation OR AB=Education, Distance OR
AB=Smartphone OR AB=Social Media OR AB=Internet OR
AB=Mobile Health OR AB=Health, Mobile OR AB=electronic OR
AB=Distance Education OR AB=Distance Learning OR
AB=Learning, Distance OR AB=Online Learning OR AB=Learning,
Online OR AB=Online Education OR AB=Education,Online OR
AB=Online Educations OR AB=Phone, Cell OR AB=Phones, Cell
OR AB=Cellular Phone OR AB=Cellular Phones OR AB=Phone,
Cellular OR AB=Phones, Cellular OR AB=Telephone, Cellular OR
AB=Cellular Telephone OR AB=Cellular Telephones OR
AB=Telephones, Cellular Cell Phones OR AB=Portable Cellular
Phone OR AB=Cellular Phone, Portable OR AB=Cellular Phones,
Portable OR AB=Portable Cellular Phones OR AB=Transportable
Cellular Phone OR AB=Cellular Phone, Transportable OR
AB=Cellular Phones, Transportable OR AB=Transportable Cellular
Phones OR AB=Mobile Phone OR AB=Mobile Phones OR
AB=Phone, Mobile OR AB=Phones, Mobile OR AB=Mobile
Telephone OR AB=Mobile Telephones OR AB=Telephone, Mobile
OR AB=Telephones, Mobile OR AB=Smartphones OR AB=Smart
Phones OR AB=Smart Phone OR AB=Phones, Smart OR
AB=Media, Social OR AB=Social Medium OR AB=Twitter OR
AB=wechat OR AB=Tele rehabilitation OR AB=Remote
Rehabilitation OR AB=Rehabilitation, Remote OR
AB=Rehabilitations, Remote OR AB=Remote Rehabilitations OR
AB=Virtual Rehabilitation OR AB=Rehabilitation, Virtual OR
AB=Rehabilitations, Virtual OR AB=Virtual Rehabilitations OR
AB=digital* OR AB=tele* OR AB=comput* OR AB=mobile* OR
AB=phone* OR AB=remote* OR AB=web* OR AB=internet* OR
AB=video* OR AB=econsult* OR AB=emedic* OR AB=e-medic* OR
AB=virtual* OR AB=wearable* OR AB=network* OR AB=online* OR
AB=APP)

#7 (AB=Family OR AB=Parents OR AB=Caregivers OR
AB=Families OR AB=Family Life Cycles OR AB=Life Cycle, Family

OR AB=Life Cycles, Family OR AB=Family Life Cycle OR
AB=Family Members OR AB=Family Member OR AB=Stepfamily
OR AB=Stepfamilies OR AB=Family, Reconstituted OR
AB=Families, Reconstituted OR AB=Reconstituted Families OR
AB=Reconstituted Family OR AB=Filiation OR AB=Kinship
Networks OR AB=Kinship Network OR AB=Networ, Kinship OR
AB=Networks, Kinship OR AB=Relatives OR AB=Extended Family
OR AB=Extended Families OR AB=Families, Extended OR
AB=Family, Extended OR AB=Family Research OR
AB=Research, Family OR AB=Parent OR AB=Parenthood Status
OR AB=Status, Parenthood OR AB=Step-Parents OR
AB=Step Parents OR AB=Step-Parent OR AB=Stepparent OR
AB=Stepparents OR AB=Parental Age OR AB=Age, Parental OR
AB=Ages, Parental OR AB=Parental Ages OR AB=Caregiver OR
AB=Carers OR AB=Carer OR AB=Care Givers OR AB=Care Giver
OR AB=Spouse Caregivers OR AB=Caregiver, Spouse OR
AB=Caregivers, Spouse OR AB=Spouse Caregiver OR
AB=Family Caregivers OR AB=Caregiver, Family OR
AB=Caregivers, Family OR AB=Family Caregiver OR
AB=Informal Caregivers OR AB=Caregiver, Informal OR
AB=Caregivers, Informal OR AB=Informal Caregiver OR AB=family
carer* OR AB=family caregiver* OR AB=primary caregiver* OR
AB=primary carer* OR AB=parent* OR AB=parents OR AB=mother*
OR AB=mothers OR AB=father* OR AB=fathers OR
AB=grandparent OR AB=grandmother OR AB=grandfather OR
AB=home nursing OR AB=legal guardians OR AB=caretaker)

#8 (AB=intervention OR AB=Education OR AB=Training Support
OR AB=Early Intervention, Educational OR AB=Workshops OR
AB=Workshop OR AB=Training Programs OR AB=Program,
Training OR AB=Programs, Training OR AB=Training Program OR
AB=Educational Activities OR AB=Activities, Educational OR
AB=Activity, Educational OR AB=Educational Activity OR
AB=Support, Training OR AB=Supports, Training OR AB=Training
Supports OR AB=Educational Early Intervention OR
AB=Intervention, Educational Early OR AB=Early Education OR
AB=Early Intervention, Education OR AB=Education Early
Intervention OR AB=Intervention, Education Early OR AB=Early
Intervention Education OR AB=Education, Early Intervention OR
AB=Intervention Education, Early OR AB=Head Start Program OR
AB=Treatment OR AB=Therapy OR AB=Disease management OR
AB=Support OR AB=Promotion OR AB=prevention)

#9 #1 AND #2 AND #3 AND #4 AND #5 AND #6 AND #7 AND #8

CNKI:China National Knowledge Infrastructure