The 1995 Persons with Disabilities

It could be in the genes

In three months, Purnima Jain will have to start turning parents away. Each month, typically 30 to 40 parents call at the School of Hope, New Delhi, that provides special education to children with autism, a disorder marked by unusual behaviour and lack of communication skills. “We want to maintain a teacher-student ratio of 1:3 and we’re going to run out of space very soon,” says Jain, principal at the school which moved into a new building just 10 months ago. “I feel really bad for the parents. There just aren’t enough schools for autistic children.”

Her plight stems from a steep rise in the diagnosis of autism across India in recent years. “The increase in autism we’re witnessing cannot be explained by better detection and awareness alone,” says Professor M.K.C. Nair, director of the Child Development Centre at the Medical College, Trivandrum, and president of the Indian Academy of Paediatrics. A decade ago, says Nair, his clinic would diagnose autism in a single child once a month. Now, it typically diagnoses autism in perhaps 10 to 20 children each month.

Unlike in the US and some European countries, there are no studies in India that document the rise in autism. “But it is possible that what we’re seeing in India reflects a global trend,” Dr Shobha Srinath, head of child psychiatry at the National Institute of Mental Health and Neurosciences (NIMHANS) told The Telegraph. In recent years, several studies in the US and Europe have shown an unexplained rise in the diagnosis of autism. In the US, California researchers have recorded a three-fold increase in autism over the past decade.

Doctors concede that part of the observed rise in autism is also the result of greater awareness among the public and better diagnostic strategies. That may have been brought about in large part by lobbying by parents-driven groups that try to sensitise the public and the government to recognise autism as a problem.

“There has been a sharp increase in awareness about autism,” says Srini, NIMHANS. “But sometimes this leads to inaccurate presumptions.” When Rishi first played on Indian screens, hardly anybody thought — and mistook him for Rohit,” the character played by actor Irrfan Khan, was a widespread speculation even proven to be false.

The presumed incidence of autism in one in 500 newborns, in India, in recent years has been extrapolated into more than 20,000 cases of autism each year. It is a staggering number alone that is leading doctors and parents to demand proper infrastructure to deliver education for autistic children.

Merry Gajendra, founder of Action for Autistic People (AFA), a parent group based in New Delhi, is woefully inadequate. It is a group that is woefully inadequate.

Experts estimate that there are probably just 10 schools in the country that can cater to the needs of autistic children.
AUTISM: THE RISE?

That’s 20,000 new cases every year. An alarming increase, or a light by better diagnosis and heightened awareness? G.S. MUDUR finds out.

Disability in India has traditionally been focused on physical disabilities. “It is easy for most people to empathise with someone who is blind or who lacks limbs. It’s hard to understand a developmental disorder — autism, in particular, because of the highly uneven skills in autistic people,” says Barua. An autistic child may be able to write excellent poetry, but won’t be able to talk. Another child may be able to do a three-digit multiplication in the head, but won’t be able to hold a pencil. Such variable patterns make it hard to evaluate and quantify autism — something required by law to be labelled as a disability. A government panel six years ago recommended changes to the Disabilities Act, but the law hasn’t changed yet.

“Doctors appear to have a hard time recognising this as a disability,” says one parent who, after several frustrating weeks at the All India Institute of Medical Sciences, New Delhi, asked.

Intervention through the form of special education and behaviour therapy can alter the course of this disorder and can help some children go to regular schools and even get into mainstream life,” says Srinath. But early intervention hinges on rapid diagnosis.

Indranil Basu in Calcutta still can’t forget the agonising decade when she visited the best paediatricians and psychiatrists in town trying to find out why her four-year-old son was different from other children. She had noticed that he had difficulty following instructions in class, and he didn’t appear to play enough.

One doctor censured her for working, another blamed her for pampering him, others labelled him as mentally retarded or hyperactive. One psychiatrist said he had childhood schizophrenia and prescribed medication.

It was only when, against the advice of her Calcutta psychiatrist, Basu took her son to NIMHANS, Bangalore, in 1998 that levels of alertness among parents as well as doctors. A University of California, Los Angeles, study on the diagnosis of autism in India published earlier this year indicates that parents in India notice something different about their child about six to 10 months later than has been found for parents in the US.

“Norms about child development are culturally shaped and impact on when those symptoms may be recognised as problematic,” UCLA psychiatrist Tamara Daley said in her study published in Social Science and Medicine. As a psychologist points out, a child that keeps quiet without emotions is sometimes interpreted as a ‘good child’.

A survey conducted by the AFA in the late 1990s on 1000 paediatricians across India revealed prevailing misconceptions. Half of the paediatricians wrongly believed that autism is more common among high socioeconomic families, that emotional factors play a role, that it is caused by cold and rejecting parents — a decades-old theory that was junked by professionals worldwide.

But things appear to be finally changing, though at a pace slower than desired. Last week’s Union budget extended certain tax exemptions to people with autism. Delhi chief minister Sheila Dixit laid the foundation stone for a National Centre for Autism in New Delhi, an AFA project that will seek to extend education to a larger number of autistic children as well as train more teachers.

The goal is to work towards helping these children reach their maximum potential.
Related disorders dubbed as autism spectrum disorders. Pessah is among researchers now scrambling to pinpoint 'environmental offenders' by investigating the connection between genes and environmental factors.

With colleagues at the UC Davis School of Medicine, Pessah is selecting autistic children and non-autistic children and examining their exposure to a broad array of factors — industrial chemicals, consumer products, illness of the mother during pregnancy and of the baby after birth, drugs, vaccines, as well as diet.

The scientists will also seek out correlations between possible exposure to such factors and the body’s biochemistry. While environmental factors have not been ruled out, the president of India's paediatric community Dr M.K.C. Nair has asked doctors to keep in mind a possible association between prolonged exposure to TV in children below three years of age, absence of siblings to play with, and poor parental communication skills.

Nair emphasises that these are not causes of autism, but could "make things worse" for children with inborn genetic predisposition.

The concept of cold parents, sometimes dubbed as 'refrigerator moms' has long been discounted as a causative factor for autism. "But it makes sense to suggest that such environmental factors may play a role in contributing to the severity of the disease in children who are autistic," says Pessah. "There is good scientific evidence that very early behavioural intervention can mitigate some of the social and communication problems in some autistic children."

MISTAKEN IDENTITY: Hrithik Roshan in the film Koi...Mil Gaya
a certificate that certified his autistic son as 'mentally disabled'.

"Early intervention can be crucial in autism," says Srinath at NIMHANS. Vital wiring in the human brain occurs in the first three years of life. Connections form between brain cells and some of this wiring influences the ability for social behaviour and communication skills. "Early diagnosis is critical for children. But in the absence of diagnosis for 10 years, no early intervention was possible. "Maybe it was because of their ignorance or lack of information, but they messed up our lives," says Basu.

Rapid diagnosis would require higher

The goal is to work towards helping them integrate into the community," says Barua. At the foundation stone-laying function on Friday, Basu's son, now 21, sang a poem: So what the hell I bite my hands/ How I can be strange in a strange man's land/ I just don't get your jokes/ Mindblind. Sometimes the colours can hurt/ I'm not really certain why I flap the lights/ But it's me you're with tonight/ Mindblind.