AUTISM AT A GLANCE

Autism is an umbrella name for a family of disorders that begin in childhood, last a lifetime and disrupt a person's social and communication skills.

Prevalence
- 1 in 110 U.S. children is diagnosed with autism. Boys are four times more likely than girls to have autism.
- 1 million to 1.5 million Americans have an autism spectrum disorder

Diagnosis
- Less than a decade ago, the disease was diagnosed at age 3 or 4. Now it is routinely diagnosed at 2.
- Symptoms range from mild to severe. Many people with autism display rigid routines and repetitive behaviors.

Treatment
- There is no single treatment for children with autism.

Prevalence
- LOS ANGELES (AP) — Thirteen-year-old Andrea Levy ticked off a mental list of rules to follow when her guest arrived: Greet her at the door. Introduce her to the family. Offer a cold drink.
- Above all, make her feel welcome by letting her choose what to do.
- "Do you want to make pizza now or do you want to make it later?" the lanky, raven-haired teen rehearsed in the kitchen, as her mother spread out dough and toppings.
- This was a pivotal moment for Andrea, a girl who invited just one acquaintance to her bat mitzvah.
- Andrea has autism, and socializing doesn't come naturally. For the past several weeks, she's gone to classes that teach the delicate ins and outs of making friends — an Emily Post rules of etiquette for autistic teens.

AUTISM: Tied to autoimmune diseases in immediate family
STUDY: Some kids may be able to recover
APPS: Autistic aided by iPhone

For Andrea, this pizza date is the ultimate test.
- The bell rings. The door opens. Can she remember what she needs to do?
- More important, will she make a friend?

Even for socially adept kids, the teen years, full of angst and peer pressure, can be a challenge. It's an especially difficult time for kids with autism spectrum disorders, a catchall term for a range of poorly understood brain conditions — from the milder Asperger's syndrome to more severe autism marked by lack of eye contact, poor communication and repetitive behavior such as head-banging.
An estimated 1 in 150 American children has some form of autism. There's no known cure. Some research suggests autistic kids who get help early can overcome some of their deficits. But the social skills they learn as a toddler may not be so useful to a teen.

"A lot of our kids need a tune-up. They need new skills to help them survive in their new social world," said clinical psychologist Elizabeth Laugeson of the University of California, Los Angeles, who runs a 3 1/2-month friendship program for high-functioning autistic teens like Andrea.

Growing up, Andrea hardly had friends at all. They either moved away or grew tired by her inability to emotionally connect. When she was 18 months old, her parents noticed something was amiss. Instead of babbling, she would cry or scream to get attention. She had no desire to play, even with her older brother.

Some doctors said not to worry; others thought she had a speech impairment.

None of the answers made sense to Andrea's parents until two medical experts, including a pediatrician who specialized in developmental disorders, diagnosed her as autistic.

The family soon enrolled Andrea in special play therapy.

"We try and help her make friends, but she's always a step behind her peers," said her mother, Gina Levy.

In some respects, Andrea is a typical teenage girl who is crazed about celebrity gossip magazines, romance novels, drama and chorus. But she can be withdrawn and doesn't always get the subtleties of body language and other nonverbal signs.

Whenever she gets stuck in a conversation, she tends to stare, making people around her uncomfortable. She doesn't mean to be impolite — it's just her way of watching and learning.

"I know I'm weird and I know I'm not normal," said Andrea, who looks like a young Anne Hathaway with braces. "I've always known I'm not normal."

Andrea found company from nine other high-functioning autistic teens who enrolled in a 14-week friendship boot camp earlier this year. More than 100 teens have graduated from the UCLA Program for the Education and Enrichment of Relational Skills, or PEERS for short, which costs $100 a session and is covered by many insurers.

Unlike other autism interventions, parents also must participate. They learn to become social coaches for their children so that their new skills can be retained when the program is over.

Every week, Laugeson, a peppy clinical psychologist known as "Dr. Liz," leads the students through a maze of social survival skills: how to have a two-way conversation, how to trade information to find common interests, how to gracefully enter a conversation and how to be a good host. In class, the teens role-play with one another and also must practice what they've learned outside of class in weekly homework assignments.

Laugeson peppers the lessons with friendly reminders about proper etiquette:

"Don't be a conversation hog."

"Give a cover story for why you are calling."

"Don't be an interviewer."

"Say you're sorry when you make someone angry, sad or upset."

"You need to trade information at least 50% of the time during the get-togethers."

Earlier this year, Laugeson published a study in the Journal of Autism and Developmental Disorders on how the parent-involved training has worked so far. In a study of 33 autistic teens, those who went through the program had more friends come to their houses than those who did not.

"There isn't much research on social group training that incorporates parents. That's a key factor for success," said
Barbara Becker-Cottrill, who heads the West Virginia Autism Training Center at Marshall University. She has no connection with PEERS, but has reviewed Laugeson’s research. "Parents are children's first and probably best teachers."

Despite the gains, Laugeson said the program is not a cure-all. Parents know this and don't expect their children to blossom into social butterflies overnight.

Andrea's mother has two goals: "I hope she becomes a better conversationalist and feels more comfortable around her peers."

Andrea's journey through an unfamiliar social world has been filled with some stumbles.

During a role-playing exercise, she was paired with a classmate to talk about their favorite book. Andrea was so eager to share her love of "Gone with the Wind" that she lapsed into a two-minute monologue about the plot. A counselor stepped in and reminded her not to be a "conversation hog."

One of Andrea's early attempts to inject herself into an existing conversation revealed some awkwardness. As a group of classmates chatted away about an animated movie, Andrea stood aloof, avoiding eye contact and unsure of what to do. Laugeson pulled her aside, advised her to listen and find a pause.

By the time Andrea rejoined the group, the discussion had switched to macadamia nuts. Andrea saw an opening and chimed in: "Well, I've tried macadamia nuts and they're pretty good. When I was little, I would eat a lot."

As time went on, Andrea's confidence improved. Through practice, she has let go of her tendency to be an interviewer during phone calls. On her own, she came up with the idea of asking the kids who were signing her yearbook to jot down their phone numbers too, a ploy that won her praise from the counselors and gave her a pool of potential friends to call.

Other teens in the class also progressed, but at a slower pace.

A fellow 13-year-old, Elias Cazares Jr., was diagnosed with autism two years ago. He displays more outward signs of the disorder — rocking back and forth, constantly blinking, fidgeting with his face. Elias is obsessed with video games and talks of nothing else.

Unlike Andrea who got therapy growing up, this is the first time Elias has had professional help.

At times the pressure is too much. One day after class, Elias had a meltdown and refused to do the following week's homework — calling someone outside of the group. Elias confided to Laugeson that he was teased at school and did not want to befriend the bullies. She calmed him down and said he could dial a cousin instead.

Despite the struggles, Elias' father is proud of the small steps he's taken: He recently called his neighbor to schedule a get-together. He also started making small talk with a younger kid in his hip-hop class, but he's been too afraid to ask for his phone number.

"What I want for him is a more normal life, to have at least one or two friends," said Elias Cazares Sr.

As the teens hone their bonding skills, parents gather separately for their own lesson.

UCLA postdoctoral fellow Alex Gantman, "Dr. Alex," runs the parent session. It is a chance for them to talk about their kids' problems and progress and for Gantman to give pointers on helping the teens navigate their social surroundings.

One hard truth to face: There's a 50-50 chance that a kid will be rejected by peers, Gantman said, and it's OK to let them know that.

He points out that follow-up phone calls are critical in a budding friendship.

"Teens move on really quickly. Somebody else gets their attention and boom, they're gone unless you really develop a strong friendship bond," he said.

Gantman is working to expand the training to young autistic adults. They often struggle with dating skills as portrayed in the summer romance movie, "Adam," about a young man with Asperger’s who falls in love with his neighbor.

The PEERS program deals only with friendships, and teens must use the skills they learn in class in the real world. As part of their homework during the last month of the training, they had to play host to potential friends outside of the group.
Andrea invited over a fellow drama classmate with something in common. Both had a digestive problem that meant they couldn't eat foods containing wheat. So the two girls were going to make a gluten-free pizza.

Before the guest arrived, Andrea, dressed in a denim skirt and blouse, went over the steps of being a good host. The door bell buzzed. Her ponytailed guest was five minutes early and wearing a shy smile.

After exchanging pleasantries, the two gathered in the kitchen. Andrea got off to a slow start, standing at times with her arms crossed in front while her mother chatted away.

Then, she remembered her hosting duties and asked if the classmate wanted to add the pizza toppings first.

The guest deferred. "You can go first."

Andrea demonstrated: "So you put a little bit of sauce ... and sprinkle on the cheese."

"Perfect," the classmate replied.

After pizza, Andrea, with some prompting from her mother, asked what to do next.

The guest was indifferent so the two migrated to Andrea's room to watch a movie. After they got bored, they headed to the living room to play video games where Andrea got a chance to practice good sportsmanship.

Despite beating her guest in almost every round, Andrea threw out words of praise: "Good job" and "Come on. You can do this."

"You did well," Andrea said after winning the last round.

The two haven't hung out since the culinary experience. It's been an up-and-down time. But Andrea managed to have four get-togethers with a girl she met in chorus. And she's felt those familiar teen pangs of loss when she was stood up by another girl.

The older, wiser Andrea shook it off. She focused on a new set of possible friends she met while awaiting her turn to dive at the local swimming pool.

After overhearing that her schoolmates were on Facebook, she persuaded her mother to let her create a profile. She sent out "a gazillion friend requests" hoping a few will bite.

She has 33 friends and counting.

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