A Message from the Dean

I am pleased to present the UMDNJ–New Jersey Dental School annual report. The past two years have been among some of the most exciting in our history. In 2010 we celebrated the golden anniversary of our inaugural Class of 1960, and in 2011 we achieved a number of extraordinary goals, which have advanced our reputation as one of the premier dental schools in America.

We began building our legacy in September 1956, when we opened our doors at Jersey City Medical Center. The 36 members of the charter class were some of the first to study dentistry within New Jersey’s borders. Then as now, we provided the absolute best education, keeping abreast of the latest advances. Students in that first class learned to use the “new” composite material that could be matched to a patient’s tooth color. They learned a new bonding technique to repair fractured enamel, and they were among the first to use the new air-driven, high-speed hand pieces that took rotary cutting from 5,000 rpm to an “astounding” 300,000 rpm.

Today’s aspiring dentists still learn basic sciences and master the skills needed to be top-notch practitioners, but the profession now demands much more. Our students must learn to address the complex dental needs of an aging population, many of whom are keeping their teeth for a lifetime. They learn to recognize systemic diseases that manifest in the oral cavity, as the link between oral health and overall health grows ever stronger. They learn cultural competency, as our country becomes increasingly diverse. And they learn the full gamut of dental-related technologies so they can thrive in today’s electronic era.

It is impossible to predict the future of dentistry, but it is sure to be exciting. Dentists may one day diagnose systemic diseases in their offices using tiny saliva samples. They may be able to prescribe patient-specific medications that have no harmful side-effects. And they might replace a missing tooth by simply growing a new one in the laboratory.

Whatever is in store, one thing is certain: Our faculty and staff members, students and alumni will continue to evolve and grow, adding to our already rich legacy of caring for those we serve.

Sincerely,

Cecile A. Feldman, DMD, MBA  • Dean, New Jersey Dental School

A Message from the Interim President

New Jersey Dental School is a vibrant member of the University community, yet it is building its own legacy. From lecture halls and dental clinics to research labs, the school’s deep commitment to professionalism, integrity and excellence is the foundation for its many noteworthy achievements.

A place where generations of dental practitioners have been educated, NJDS is considered one of the premier schools in the country. It has a long history of caring for underserved populations, including the indigent, people with HIV/AIDS and children and adults with special needs, in our state and beyond.

Underscoring the link between oral health and overall health, NJDS was one the first dental schools to integrate dental medicine into the medical school curricula. Improving life for others through innovative research has been a tradition for more than a half century. Today NJDS researchers are working on treatments and possible cures for caries and periodontitis, certain leukemias, and autoimmune and inflammatory diseases, to name only a few.

Please join me in congratulating New Jersey Dental School for its passion in building a lasting legacy. I’m sure the years ahead will be even more extraordinary, and I thank Dean Feldman, the faculty and staff—past, present and future—who have and will continue to make them so.

Sincerely,

Denise V. Rodgers, MD, FAAFP  • Interim President of UMDNJ
The associate and assistant deans and the department chairs make up the NJDS Administrative Council, headed by Dean Cecile A. Feldman. The deans are responsible for such areas as academic affairs, clinical affairs, education, finance, student affairs and research. They work together to ensure that we fulfill our mission of educating practitioners who provide the highest-quality oral health care and become leaders in their fields. In addition to their duties at NJDS, many Administrative Council members belong to numerous professional organizations and hold elected and/or appointed offices.
Resources at the new institution—including faculty—were extremely limited, so the dental and medical students took basic sciences classes together. There were no visual images displayed during lectures, and professors did not provide handouts. It was up to the students to take copious notes, all by hand. Those first students did all their own laboratory work, from casting models of patients’ mouths to designing crowns and inlays. Almost all the graduates went directly into private practice after graduation; only one or two went on to do advanced training.

Much has changed since then. Classes now have between 85 and 90 students that are about evenly divided between men and women. Most incoming students are new college graduates, and all are totally immersed in today’s electronic age. They take class notes on laptops and routinely use the Internet as a resource and learning tool. Syllabi and other pertinent course information are posted on the NJDS Web site. The students now contact their professors via e-mail, and texting is their most common way of communicating. Most of the lab work on patients is sent out, and our students’ post-graduation plans are the opposite of what they once were: almost all enroll in advanced dental programs.

Today’s classes are much more diverse, as well. We actively recruit qualified minority students, many of whom go on to provide much-needed care in underserved communities. The Class of 2014, which entered in 2010, is comprised of 32.0 percent Asians, 13.4 percent Hispanics, and 8.2 percent African-Americans; and 24 students in the class participated in at least one pipeline program. (See box.) We are also changing the face of dentistry through our Internationally Trained Dentist program. Launched in 2007, the program is designed for qualified dentists educated outside of the U.S. and Canada, who plan to pursue careers in America or return home with additional skills. The 25 students who enroll each year take an intensive six-month program before joining the traditional third-year class in the fall.

What has remained the same is the caliber of the NJDS students. We have always attracted the brightest and best. The 89 members of the Class of 2014 were chosen from a pool of 2,159 applicants, who graduated from schools such as Rutgers, NJIT, Columbia, Boston College, UCLA, Yale and NYU. They’re average overall GPA was 3.5 and their average science GPA was 3.4.

Along with the necessary technical skills, we ensure that our students master cultural competency. They provide care to underserved populations in the community, throughout New Jersey and across the country. They also have opportunities to study abroad. In 2006 we launched our first student exchange program with Trinity College School of Dental Science in Dublin, Ireland. Since then eight students from each school have “traded places.” In 2010, we initiated two new programs, giving students additional options. We signed an agreement with the Sibar Institute of Dental Sciences in Guntur, India, and hosted three of its students.

Our Students

We have prepared several generations of students to excel in the many roles the dental profession demands: that of diagnostician, clinician, artist, engineer, architect, teacher, communicator and business manager.

Our charter class, consisting of 35 men and one woman, matriculated in 1956 at the new Seton Hall College of Medicine and Dentistry in Jersey City. Most of the first students had been in other professions or served in the military before enrolling in dental school. These students were among the first to earn a Doctor of Dental Science (DDS) degree within New Jersey’s borders.
Our Faculty

The NJDS faculty is the cornerstone of our school. In 1956 two full-time faculty members, Drs. John Manhold and Frank Frates taught the pre-doctoral curriculum, with help from the dean, Dr. Merritt Maxwell. All three had been dentists in the U.S. Navy and demanded the absolute best of each student.

Today’s faculty—nearly 300 strong—teach our DMD students and 18 other dental programs. Like their predecessors, they are dedicated, caring teachers who enjoy interacting with the students and are deeply committed to their success.

Our outcomes data attest to the level of our professors’ expertise. On the National Board Dental Exams, our students consistently score higher than the national average. The Class of 2010 had a passage rate of 100 percent on Part I, which surpassed the national average of 95.1 percent. In 2011 our pass rate was 97.7 percent and the national average was 90.6 percent. Our Northeast Regional Board exam results continue to top others in the region, with 100 percent of our students passing by graduation. And once again all of our graduates who applied were placed in postgraduate programs.

A further testament to our faculty’s teaching ability is the many prestigious awards our alumni continually receive. During the past two years, George Bambura, DMD, ’89, received a Lifetime Achievement Award from the Richmond County Dental Society of Staten Island, NY; Stevens Dalboff, ’80, became the sole dentist in Vermont to become a Diplomat of the International Congress of Oral Implantology; and Gerald Gelfand, DMD, ’71, received the Presidents Achievement Award from the American Association of Oral and Maxillofacial Surgeons.

It comes as no surprise that our faculty members are highly sought after international presenters and lecturers, who receive numerous professional organizations and appointed to editorial boards, advisory committees and task forces. And, a total of 29 were ranked among New Jersey’s Top Dentists by New Jersey Monthly magazine in 2010, and 30 had the same honor in 2011.

NJDS also has the distinction of having two Fulbright Scholars, an honor afforded to very few dental schools. Dr. Muralidhar Mupparapu, clinical professor, Diagnostic Sciences, went to the University of Malta Medical School to continue his research on the genetics of tooth migration and to teach oral and maxillofacial radiology. Dr. Jeffrey Kaplan, associate professor, Department of Oral Biology, spent time at the Université du Littoral-Cote d’Opale in France, where he collaborated on his research that looks at treating hospital-acquired Staphylococcus infections.

In 2010 Howard Drew, DMD, joined an elite group of University faculty members deemed to be the best: the Stuart D. Cook Master Educators’ Guild. The Guild recognizes faculty members who advance the University’s educational mission in extraordinary ways. Inductees are chosen by their deans, students and peers. Dr. Drew’s presenter at the induction ceremony was his student Dr. Sophia Petrov.

“Dr. Drew is gifted with a special inspiration and energy in patient care and teaching,” she said. “He passes on a passion for perfection in many directions, with a lightness of touch in the art of dentistry. He inspires and energizes his students and peers. His many years of experience are with him in every moment.”

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Providing the best possible oral health care to those we serve has always been an integral part of who we are and all that we do at NJDS. We began providing treatment to only a handful of patients in Jersey City 50-plus years ago, and today we care for thousands throughout the state. With 296 operatories on the Newark Campus, and a total of 24 in our Statewide Network for Community Oral Health, we accommodated more than 160,000 patient visits in 2010 and again in 2011. We are a vital part of the health care of New Jersey’s residents.

During the last half century, dentistry has dramatically grown and changed. In the mid-1950s the focus was on restoring teeth and preventing gum disease; the link between oral and systemic health was not well understood. Today we know there is a strong connection between the two. We examine the oral cavity for tell-tale signs of the many systemic diseases that manifest there, and we ensure that patients with chronic conditions, such as diabetes, HIV/AIDS and cardiovascular disease, get the specific oral care they need. We take a multidisciplinary approach to treatment, working closely with a variety of practitioners in the health care field, to help ensure the overall well-being of every patient.

Using the latest equipment and technology has always been the standard at NJDS. In 2010 a cone beam computer tomography scanner, or CBCT, was installed in the new Ina and Howard Drew Maxillofacial Imaging Center. This state-of-the-art technology generates 3D, volumetric images of a patient’s oral and maxillofacial skeletal structures in only seconds. The equipment and the work stations were a gift from Howard Drew, DMD, a 1984 NJDS graduate and a clinical professor in the Department of Periodontics, and his wife, Ina. The CBCT uses a focused, cone-shaped beam that captures multiple images of the face and jaw in a single acquisition. It delivers a much lower dose of radiation than a medical CT scan, and the images are read on site by an oral and maxillofacial radiologist. That means patients no longer have to travel to other imaging centers and wait for results to arrive at NJDS before beginning treatment.

“The CBCT enables us to understand the relationship of each tooth to its adjacent teeth and to vital anatomical structures of the head and neck,” explains Dean Feldman. “Every department
physicians and endure a stream of misdiagnoses and unnecessary procedures. Our Orofacial Pain (OFP) Clinic, one of only 11 in the U.S., has a far-reaching reputation for success. Patients come from across the country and around the world seeking relief. “The anatomy of the head and neck is very complex with robust innervation,” says professor and clinic director Eli Elav, DMD, PhD. “That is why pinpointing a problem can be very difficult. Once properly diagnosed, however, many of these conditions can be effectively managed.”

Clinical professor Gary Heit, DMD, and Richard Pertes, DDS, along with Dr. Elav, use the latest techniques to diagnose and treat conditions, such as temporomandibular disorder (TMD), neuropathies, burning mouth syndrome, musculoskeletal and neurovascular pain disorders, and migraines, to name only a few. They also do original, innovative research that has been published in a number of prestigious dental journals. Their ultimate goal is always to relieve pain, thus improving the quality of life for each patient.

Our OFP postgraduate program attracts students from across the globe, many of whom have gone on to become highly successful in the field. For practicing dentists who want to keep abreast of the latest advances in pain management, Dr. Pertes has developed an online course, “Update on Orofacial Pain.” Now in its eleventh year, Update is the only online course of its kind in existence. A total of 340 dentists and postgraduate residents around the world have completed the six-month course, which emphasizes pain neuroanatomy and mechanisms, pharmacotherapy, neuropathic orofacial pain disorders, the more common headache disorders, and chronic musculoskeletal pain disorders. Dr. Pertes revisits every year, and those who have taken it report it is extremely helpful and comprehensive.

Along with offering treatment to traditional patients, we provide specialized care to those who require it. Our Special Care Treatment Center (SCTC) on the Newark Campus serves children and adults with severe developmental disorders, such as Down’s syndrome, multiple dysphoria, cerebral palsy and autism. Part of the Pediatric Dentistry Department, the Center serves patients from as far away as Delaware, Pennsylvania and New York State. There are nearly 9,000 patients in the SCTC registry, up from 5,300 in 2005. In 2010 and again in 2011, it accommodated approximately 3,500 patient visits, and about 350 patients each year had complex, multiple procedures performed under general anesthesia in the OR. In southern New Jersey we offer care to adult patients with acquired physical disorders, such as debilitating strokes, Alzheimer’s, severe arthritis and chronic heart disease, at our Hospital Dentistry Oral Health Clinic in Somerdale. “We are very proud to be able to provide this highly specialized treatment,” says Dean Feldman. “Research suggests that when oral health is compromised, overall health soon follows. These patients’ conditions are generally very fragile, so it’s imperative they get the oral treatment they need.”

There is another underserved population in New Jersey that is benefitting from care provided by NJDS. Eight of the state’s southern counties—Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Salem and Somerset—have a unique mix of migrant workers and farmers in rural areas, and large numbers of underinsured and uninsured indigent in struggling cities like Camden and Atlantic City. According to the New Jersey Department of Health and Senior Services, a disproportionate number of people with HIV/AIDS reside in those counties, as well. The lack of dental insurance and the need for private practitioners who are sensitive to these patients’ needs make it difficult for them to get oral treatment.

We have been providing much of that care for more than 20 years, through our Statewide Network for Community Oral Health clinics in Galloway, Northfield (Atlantic County) and Somerdale (Camden County). In 2008, we received a grant from the Health Resources and Services Administration (HRSA), part of the U.S. Dept. of Health and Human Services, to fund the Community-Based Dental Partnership. The funding is being used to improve access to care for HIV/AIDS individuals and to increase provider capacity for treating them. The largest of 12 programs nationwide to receive this funding, the NJDS program is the only one of its kind in the country and was lauded by HRSA as a model of excellence in treating HIV/AIDS-specific patients.

In addition to providing care, the clinics also function as educational centers for NJDS students. Our Community-Oriented Dental Education (CODE) I program enables 11th-year students to spend their senior year at one of the sites, treating HIV/AIDS and other special needs patients in a private-practice-like setting. Our CODE II program gives every fourth-year student the opportunity to spend at least two weeks at one of the extramural sites. These students gain invaluable experience, including working with people from a wide variety of backgrounds.
Research got underway at the fledgling Seton Hall College of Dentistry almost as soon as its doors opened. Laboratory space was limited in the new school, and the projects were small in scope. Nevertheless, many of the outcomes had a major impact in shaping dental research.

An example is the Volpe-Manhold Index. The VMI, as it is known, was developed by the school’s first faculty member, John Anthony Volpe, DDS. In 1957 the two garnered funding from two New Jersey pharmaceutical companies, Johnson & Johnson and Colgate, to develop effective anti-calculus agents. When they needed a reliable index to measure the amount of calculus in patients, they created their own. Today, their patented index is used by dental researchers everywhere.

That resourceful, pioneering spirit still exists at NJDS today. Our scientists garnered $3,564,060 million in funding in 2010 and $1,992,898 million in 2011 to perform basic and clinical research that encompasses many areas of human health. They all share the common goal of improving the health and well-being of all those we serve.

New diagnostic tools and treatments for oralfacial pain unrelated to dental problems

The genetics of side effects associated with certain drugs

Developing software for optimal implant placement

Using vitamin D to quell production of plaque and treat cystic fibrosis

Improving dental materials, techniques and equipment

Using bacteria to fight other bacteria

Developing new implant designs, structures and coatings

Fusion, proteins that adhere to mucosal tissues with non-toxic but potent antimicrobial effects. He hopes to use these proteins in developing anti-cavity and periodontal therapies and treatments for dry mouth. His newly founded company, Affineti Biologics, is developing anti-cavity and periodontal therapies and treatments for dry mouth. His newly founded company, Affineti Biologics, is looking to develop therapeutic substances that are applied directly on the teeth, avoiding systemic complications. Dr. Fine plans to try them first in the oral cavity and later on mucosal infections in other areas of the body.

While researching the bacterium Aggregatibacter actinomycetemcomitans (Aa), associate professor, discovered leukotoxin, a protein secreted by Aa that specifically targets malignant white blood cells. After demonstrating that leukotoxin effectively destroys these cancerous cells in vitro and in a mouse model, he began looking at using leukotoxin as a therapeutic agent in some leukemias and lymphomas. That’s when Actinobac Biomed, Inc. was founded and Leukothera™ was developed. “The biological mechanism of Leukothera™ differs from that of other cancer drugs,” Dr. Kachlany explains. “Including it in blood cancer treatment protocols may be a highly effective strategy.” His recent studies have shown that depleting diseased white blood cells with Leukothera™ is a highly effective strategy for the treatment of psoriasis and other inflammatory diseases, as well. Both researchers received funding from Foundation Venture Capital Group, an affiliate of New Jersey Health Foundation, Inc., which invests in start-up companies affiliated with or started by researchers at UMDNJ.

Jeffrey Kaplan, PhD, associate professor, was also studying the bacterium Aa when he “stumbled” across a finding. He discovered an enzyme that breaks down the biofilm formed by Aa. Biofilms are communities of bacteria in a layer of slime, which enables them to stick to surfaces, that are responsible for 80 percent of all human infections. “It made sense that if we could use the enzyme to break up the slime layer, it might make treating a bacterial infection easier,” Dr. Kaplan says. “We knew immediately it had the potential for clinical applications, because biofilms are a tough problem.” Dispersin B, as it is now known, also has been shown to be effective against a number of other biofilms, including Staphylococcus epidemidis, the bacterium responsible for many hospital-acquired infections.

With help from the UMDNJ Department of Patents and Licenses, Dispersin B is now licensed to Kane Biotech, Inc. in Winnipeg, Canada, which manufactures it in the form of a wound gel. Other applications are also being developed.
We believe being a dentist is a privilege that carries with it particular responsibilities.

Among them is the obligation to provide treatment for those who have little or no access to oral health care. Our faculty and students take this charge seriously, educating and treating underserved populations in the community, across the country and around the world.

Community service is a requirement at NJDS, however, most students go well beyond the mandated number of hours. They willingly give their time throughout the semester and during their breaks, often organizing outreach projects on their own. They participate in health fairs and present oral health programs for children and adults in and around Newark. They sometimes participate in other organizations’ activities, especially those that promote oral health and the detection and prevention of oral cancer.

Several of our outreach efforts take place right on campus. The largest is the annual Give Kids A Smile! program, held the first Friday in February. We have participated in this national event since its inception in 2002. It focuses on caring for disadvantaged children up to age 12, who do not have access to regular dental care. They receive free screenings and preventive care, oral hygiene tools and instructions and, in some cases, emergency care. In 2011 we began offering orthodontic screenings, referring kids who may need further evaluation.

We partner with the American Dental Association and the New Jersey Dental Association, and received funding for the past two years from the PNC Foundation. We see kids at three of our Statewide Network sites and at our Scotch Plains campus, however, the Newark Campus is the flagship site in the state. In 2010 and 2011 we saw a combined total of more than 1,200 kids. Both years some 150 NJDS faculty and staff members, dental students, postgraduates, dental hygiene and dental assistant students volunteered their time. And many of our alumni provided free care at their offices, for all or part of the day. “We want the children to know they have a dental home here and to understand the importance of brushing and eating a proper diet,” says Debra Goldsmith, RDH, MS, director of the Newark event. “It is so important that their first experience at the dentist is a pleasant one. We want to set the stage for them to practice good oral health habits for the rest of their lives.”

Our annual Oral Cancer Screening Day, held each spring in conjunction with the Essex County Cancer and Health Fair, brings people from the surrounding community to our Newark Campus. Our third- and fourth-year DMD students assist the faculty and postgraduate students in performing these life-saving examinations. More than 200 people had free screenings in 2010 and again in 2011. “Oral cancer is highly curable when diagnosed in its earliest stages,” says Arnold Rosenheck, DMD, acting chair of Community Health. “The procedure is painless and takes only a few minutes, yet it can save lives. We want to get that word out to as many people as possible.”

Enacting laws that protect people’s rights is the usual order of the day at the New Jersey State House. Protecting people’s oral health was at the top of the agenda on June 13, 2011, when NJDS teamed up with the New Jersey Dental Association for the second Oral Health Screening Day. A total of 40 people, including four legislators, opted to have the free screenings, which were available to all state employees and visitors at the Trenton landmark. Arnold Rosenheck, DMD, was among the dentists who performed the screenings. Debra Goldsmith, RDH, MS, assistant professor, Community Health, distributed information and explained the importance of early detection and prevention of oral cancer.
Each of the trips exceeded these expectations," he says. "Every site has shown tremendous appreciation, and all have extended invitations for us to return. And the feedback from the students is always extremely positive. Many say it was the opportunity of a lifetime. It’s a very rewarding experience for all of us.”

Dr. Shahid Aziz, DMD, MD, associate professor, Oral and Maxillofacial Surgery, first traveled to Ecuador on a mission to repair cleft lips and palates in 2003. He made two more trips there before going to Bangladesh in 2006. “There is certainly a need for the surgery in Ecuador, but the need is much greater in Bangladesh,” he says. In all Dr. Aziz and his team have gone on nine cleft missions to Bangladesh and four to Ecuador, repairing hundreds of cleft lips and palates primarily on children. “As a child grows, the cleft grows as well, and the faces of beautiful children become seriously misshapen,” says Dr. Aziz. “Their teeth grow haphazardly and speech and nutrition are usually affected.”

He adds that most people there do not realize the deformity can be corrected with a 90-minute operation. “It’s wonderful to see the smiling faces of the children and their parents after the surgeries,” he says. “And it’s a great way for our residents to experience the gratification that comes with helping the global community. This is what dentistry is truly about.”

During his 2010 trip to Bangladesh, Dr. Aziz performed a procedure known as mandibular distraction, something that was never done there before. The procedure is used on very short lower jaws that are not able to be corrected with conventional surgery. A tool known as a distractor is placed on the jaw to slowly stretch it.

Although a routine procedure in the U.S. and Europe, it is not done in Third World countries because of the prohibitive cost of the distractors. Dr. Aziz and his team also taught the procedure to the faculty and residents at Bangbandhu Sheikh Mujib Medical University in Dhaka, the only oral and maxillofacial surgery program in the country.

The year 2011 saw a first for Maano Milles, DDS, a professor in Oral and Maxillofacial Surgery. Dr. Milles has traveled to his native Estonia for many years, performing surgeries and lecturing, but has never done so in Africa. He went to Morocco in April with a team organized by Healing the Children. The practitioners traveled to children with no access to dental care at a school about an hour from Marrakech. The general dentists filled cavities, and Dr. Milles performed the extractions. "I saw kids with severely infected teeth that were decayed to the pulp," he says. "It was hard to imagine the pain they must have been enduring. Even though I was eliminating pain and preventing serious infections, it was difficult to see the kids leave with so many teeth removed.”

Conditions were sterile, he says, but stark. One large room served as the dental clinic and kitchen tables took the place of dental chairs. The team used half-inflated soccer balls to elevate the children’s heads. Nevertheless, during the five-day mission, they saw more than 200 patients, and with Dr. Milles’ help performed more than 1,000 extractions. “It was quite an eye-opener,” he says. “People in America who have access to regular dental care don’t know how lucky they are.”

Looking to the Future

We are very proud of the legacy we have created and will continue building on the solid foundation that is New Jersey Dental School. All of us at NJDS are united by one common goal: helping improve the lives of those we serve. As in the past, we will continue to excel in the initiatives that define our mission of education, patient care, community service and research.
New Jersey Dental School Timeline

1954
The first dental school in New Jersey is founded with the incorporation of Seton Hall College of Medicine and Dentistry. The charter is granted in November 1955, and the first class matriculates in 1956.

1960
The first DDS degrees are conferred on the charter class, the Class of 1960, which comprises of 35 men and one woman.

1965
Seton Hall College of Medicine and Dentistry is acquired by the state of New Jersey and renamed New Jersey College of Medicine and Dentistry.

1970
The College of Medicine and Dentistry of New Jersey is established as an act of the state legislature.

1976
The Dental School Building (Oral Health Sciences Center) is dedicated on the Newark Campus.

1981
The College of Medicine and Dentistry is granted university status by the New Jersey Legislature and becomes the University of Medicine and Dentistry of New Jersey.

1988
The Center for Oral Infectious Diseases is founded to investigate the causes of oral cancer and other oral diseases.

1993
The Community-Oriented Dental Education (CODE) program is launched, enabling 11 fourth-year students to treat patients in a community-based dental center.

1996
The first Children’s Oral Health Awareness Day is held at Liberty Science Center in Jersey City.

1998
The Department of Community Health is established to carry out the mission of service to the surrounding community.

2000
College students pilot the Gateway to Dentistry pipeline program.

2001
New Jersey Dental School holds its first White Coat Ceremony.

2002
The first national Give Kids A Smile! program is held.

2003
High-school students pilot the Decision for Dentistry pipeline program.

2004
The Oral Health Pavilion is opened.

2005
The Center for Pharmacogenomics and Complex Diseases is established.

2006
New Jersey Dental School is reaccredited with 10 commendations, the highest grade awarded, by the Commission of Accreditation.

2007
The Oral Biology Faculty is ranked seventh in the nation for scholarly productivity by the Chronicle of Higher Education.

2008
The second Community-Oriented Dental Education program (CODE II) is launched, enabling all fourth-year students to spend two weeks at an extramural site.

2010
Two New Jersey Dental School faculty members are named Fulbright Scholars.

2011
The Ina and Howard Drew Maxillofacial Imaging Center opens on the Newark Campus.
**FY 2010 Revenue Summary**

1. Tuition and Fees: $16,557,000 (35.12%)
2. Tuition and Fees: $2,252,000 (4.87%)
3. Recoveries of Direct Grant Expenses: $1,270,000 (2.71%)
4. Indirect Cost Recoveries: $2,750,000 (5.83%)
5. Donations and Endowment Income: $2,586,000 (5.49%)
6. State Appropriation: $9,283,000 (20.54%)
7. Patient Service Revenues: $8,216,000 (17.52%)
8. Other: $11,230,000 (24.85%)

**TOTALS**: $47,142,000 (100.00%)

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**FY 2011 Revenue Summary**

1. Tuition and Fees: $18,071,000 (39.99%)
2. Tuition and Fees: $2,415,000 (5.16%)
3. Recoveries of Direct Grant Expenses: $2,120,000 (4.73%)
4. Indirect Cost Recoveries: $8,988,000 (19.66%)
5. Donations and Endowment Income: $164,000 (0.36%)
6. State Appropriation: $11,230,000 (24.85%)
7. Patient Service Revenues: $9,923,000 (20.54%)
8. Other: $1,300,000 (2.88%)

**TOTALS**: $45,192,000 (100.00%)

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**FY 2010 Expense Summary**

1. Salaries and Wages: $29,466,000 (63.80%)
2. Non-Salary: $9,216,000 (19.94%)
3. Direct Grant Expenses: $4,792,000 (10.37%)
4. Life Cycle Management: $2,522,000 (5.49%)
5. Debt Service: $2,252,000 (4.87%)
6. Central Administration Costs: $2,252,000 (4.87%)

**TOTALS**: $46,218,000 (100.00%)

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**FY 2011 Expense Summary**

1. Salaries and Wages: $27,832,000 (59.45%)
2. Non-Salary: $12,910,000 (27.58%)
3. Direct Grant Expenses: $2,120,000 (4.56%)
4. Life Cycle Management: $1,270,000 (2.71%)
5. Debt Service: $250,000 (0.53%)
6. Central Administration Costs: $2,415,000 (5.16%)

**TOTALS**: $46,813,000 (100.00%)

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**New Jersey Dental School Fast Facts**

**Newark-Based Dental School Number of Treatment Sites**
- Oral Health Pavilion: 80 operatories
- Bergen Street Pavilion: 218 operatories, 2 Surgical Operating Rooms
- Center for Dental and Oral Health: 8 operatories

**Statewide Network for Community Oral Health**
- University Dental Center at Somerdale: 10 operatories
- University John H. Cronin Dental Center: Northfield: 8 operatories
- University Dental Center, Galloway: 6 operatories
- University Dental Center at Matheny Medical and Educational Center, Peapack: 2 operatories
- Total: 334 operatories

**Faculty**
- Full-time: 86
- Part-time: 117
- Volunteer: 153

**Enrollment as of Spring 2012**
- Internationally Trained DMD: 50
- Pre-doctoral: 356
- Postgraduate: 100

**2012 Degrees Awarded**
- Doctor of Dental Medicine (DMD): 108
- Master of Dental Science: 16
- Master of Science in Dentistry: 3
- Others: 28

**BS/DMD Affiliates**
- Caldwell College
- Fairleigh Dickinson University
- Montclair State University
- New Jersey City University
- New Jersey Institute of Technology
- Ramapo College
- Richard Stockton College of New Jersey
- Rowan College
- Rutgers University
- Saint Peter’s College
- Stevens Institute of Technology

**Programs/Degrees**
- DMD
- Developmental Disability Fellowship
- Endodontics
- Geriatric Dental Fellowship
- General Practice Residency
- Infectious Disease Fellowship
- Master of Science in Dentistry
- Master of Dental Science
- Oral Medicine
- Orofacial Pain Fellowship
- Oral and Maxillofacial Surgery
- Oral and Maxillofacial Radiology Fellowship
- Orthodontics
- Pediatric Dentistry
- Periodontics
- PhD in Oral Biology
- Prosthodontics

Only dental school in New Jersey offering pre-doctoral and postgraduate dental education

Total patient visits throughout New Jersey: exceed 160,000 annually

Largest Dental Medicare provider in New Jersey

Largest special needs dental provider in the NJ/NY/PA region

Largest provider of oral health care to underserved populations in New Jersey

**History of UMDNJ-New Jersey Dental School**
- The Inaugural Class of 1960 matriculates in 1956
- The state legislature establishes New Jersey College of Medicine and Dentistry in 1965
- The name is changed to the College of Medicine and Dentistry of New Jersey in 1971
- University status is granted in 1981; the school becomes the University of Medicine and Dentistry of New Jersey