DEPARTMENT OF ELDER AFFAIRS
ALZHEIMER’S DISEASE INITIATIVE

MEMORY DISORDER CLINICS & BRAIN BANK

Summary of Year End Activities 2010-2011
December 9, 2011

Dear Fellow Advocates for Aging:

On behalf of the Department of Elder Affairs, I am pleased to express my praise and support for the great work of the Alzheimer’s Disease Initiative (ADI) Memory Disorder Clinics and Florida Brain Bank. As authorized in Chapter 430, F.S., the Department administers health and human services programs for the elderly, including the ADI. This program serves thousands of families throughout the state annually.

The state-designated network of ADI Memory Disorder Clinics reaches from Pensacola to Miami with 15 clinics dispersed throughout many parts of Florida. These teams of physicians, social workers, pharmacists, psychologists, and other professionals have been hard at work meeting the needs of some of our most vulnerable citizens – those suffering with or impacted by Alzheimer’s disease.

Working with the ADI network, we are committed to supporting the Memory Disorder Clinics in their commitment to:

- Provide evaluation, diagnosis, and treatment for those suffering with memory loss;
- Coordinate dementia-related education and support services to patients, families, and caregivers;
- Coordinate training on Alzheimer’s and related dementias for the medical and social service community; and
- Seek preventive and curative measures for memory disorders through research.

Please accept my sincere thanks for the commitment of the Memory Disorder Clinics and the Brain Bank in providing quality service and treatment options for Alzheimer’s patients and their caregivers. Your effort to advocate and provide quality services is greatly appreciated.

Sincerely,

Charles T. Corley
Secretary
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For additional information on the Alzheimer’s Disease Initiative, please see the State of Florida Department of Elder Affairs website at [http://elderaffairs.state.fl.us/english/alz.php](http://elderaffairs.state.fl.us/english/alz.php) or contact your local Memory Disorder Clinic.
For 25 years Florida Memory Disorder Clinics (MDCs) have been an example to the nation of how to efficiently meet the multiple complex needs of patients and families affected by Alzheimer’s disease and related cognitive disorders. The Memory Disorder Clinics have a track record of cost effective services to patients and families. Memory Disorder Clinics serve all areas of our state for less than $3 million.

Alzheimer Facts for Florida

- Over 450,000 Floridians are currently diagnosed with Alzheimer’s disease (AD) or related cognitive disorders. This is expected to grow to 590,000 by 2025.
- Individuals with AD use three times the health care dollars as those without AD, and they are eight times more likely to need nursing home care. However, current evidence suggests that pharmacological treatments and caregiver interventions can delay entry into nursing homes and potentially reduce Medicaid costs.* Delaying nursing home placement could save $30,000 in state dollars PER PERSON PER YEAR
- Seventy percent of AD patients are cared for at home. Approximately 640,000 caregivers in Florida provide over $8 BILLION of unpaid care to Floridians with Alzheimer’s. Supporting caregivers providing care at home SAVES the State money.

Memory Disorder Clinic Facts FY 2010/2011

- Memory Disorder Clinics (MDCs) are efficient and accessible, providing a multidisciplinary diagnostic and referral service in one convenient location.
- Thirteen State-funded MDCs provided evaluation and diagnosis to over 7,000 patients in FY 2010-11 and completed 1,175 free memory screenings.
- MDCs offered education and training to 42,061 individuals through more than 4,400 hours of training and made over 12,300 referrals of patients and their families to community-based programs.
- MDCs played a vital role in the statewide Silver Alert program through education and serving as a link between law enforcement and drivers recovered through Silver Alert.

It is critical for cost containment that continued funding of Memory Disorder Clinics be supported.

Memory Disorder Clinics
Established in 1991 by Florida Statute (430.502) and funded in part through the Department of Elder Affairs Alzheimer’s Disease Initiative (ADI), the East Central Florida Memory Disorder Clinic is one of 15 state-designated clinics serving the entire state to:

- Provide evaluation and diagnosis of Alzheimer’s disease and related disorders;
- Information, education, and support to family caregivers impacted by this disease;
- Training to families, professionals, and the general community;
- Applied research to improve the care and treatment of people with this disease.

According to the Department of Elder Affairs 2010 Florida Profiles, there are an estimated **56,059 people** with probable Alzheimer’s disease in the ECF service area:

- Brevard: 18,111
- Osceola: 4,026
- St. Lucie: 9,437
- Indian River: 6,656
- Volusia: 17,829 shared with Mayo Clinic Memory Disorder Clinic

**2010-2011 Clinic Highlights**

- Multi-disciplinary medical team which includes a geriatrician, neurologist, social worker, neuropsychologist, psychologist, geriatric psychiatrist, gerontologist, and doctoral students in psychology who provide a comprehensive memory evaluation. The staff evaluated **327 patients** this year which includes three office visits to determine diagnosis and make recommendations for treatment, care, and referrals.
- Provided education and training to over **3,034** individuals in the community
- Made over **1,500 referrals**
- Completed **313 free screenings** in the community

Awarded contract to assist law enforcement with Silver Alerts by contacting the police department and Silver Alert family members to provide Alzheimer’s information and education and to make the connection to local resources in an effort to minimize reoccurrences.

The ECFMDC leveraged the Florida ADI funds and partnered with two Memory Disorder Clinics and the Department of Elder Affairs, to be awarded a federal Alzheimer’s Disease Supportive Services Program grant to create innovative and evidenced-based programming to improve brain function and delay long-term care placement.

The Memory Clinic offers a variety of classes for family caregivers at no cost and not available elsewhere to help educate on how to deal with this disease, prepare for the future, and the link to private and community resources to assist with the goal of remaining at home.
Our ability to provide much needed services and quality care to the residents of southwest Florida depends solely upon the funding from the Alzheimer’s Disease Initiative (ADI) supported through the Florida Department of Elder Affairs. Our success is measured by the expectation of excellence in health care, the patient experience, patient outcomes, and the community health system.

Without the funding and support from the Florida Legislature, thousands of people living in southwest Florida would not be able to receive the much needed services provided on a daily basis by Lee Memory Care in Fort Myers. We so much appreciate the continued support of the State of Florida to care for its vulnerable families and loved ones who struggle with AD and other related dementias.

Lee Memory Care has provided diagnostic services and treatment for the past 15 years to the following counties: Lee, Hendry, Glades, Collier, and Charlotte. According to the Department of Elder Affairs 2011 Florida Profiles, there are an estimated 40,121 people with probable Alzheimer’s disease in the Lee Memorial service area:

- Charlotte: 8,406
- Hendry: 545
- Glades: 235
- Collier: 10,605
- Lee: 20,330

2010-2011 Clinic Highlights

Lee Memory Care touches the lives of many people in many settings:

- Conducted over 400 memory screenings throughout the area at senior centers, assisted living communities, gated communities, and many health fairs.
- Hosted support and caregiver classes for approximately 250 residents of southwest Florida.
- Provided phone counseling and information referral to more than 3,000 people on a variety of topics related to dementia.
- Taught classes on how to exercise your brain through the Healthy Brain Initiative of Southwest Florida—2,500 attended the classes.
- Assessed 450 new patients at the memory clinic for diagnosis and treatment of Alzheimer’s disease and other related dementias and followed over 300 established patients.
The Mayo Memory Disorder Clinic was established in 1994 by Florida Statute (430.502) under the Alzheimer’s Disease Initiative. Mayo Clinic’s Memory Disorder Clinic is one of 15 State-designated clinics in Florida that provide diagnosis, support, training, and education to families and caregivers affected by Alzheimer’s Disease and related disorders, and facilitates research into the care and treatment of dementing illness.

**It currently costs the State of Florida over $58,000, per person, per year, to keep an individual in a nursing home. If each of Florida’s Memory Disorder Clinics could keep four patients out of nursing homes for one year, it would save almost $3 million, making the overall cost of clinic funding budget-neutral.**

Counties Served: Baker, Clay, Columbia, Duval, Flagler, Hamilton, Nassau, North Volusia, Putnam, St. Johns, and Suwannee. According to the Department of Elder Affairs 2011 Florida Profiles, there are an estimated 45,401 people with probable Alzheimer’s disease in the Mayo Clinic service area:

<table>
<thead>
<tr>
<th>County</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baker</td>
<td>320</td>
</tr>
<tr>
<td>Duval</td>
<td>13,339</td>
</tr>
<tr>
<td>Nassau</td>
<td>1,311</td>
</tr>
<tr>
<td>Suwannee</td>
<td>1,148</td>
</tr>
<tr>
<td>Clay</td>
<td>2,711</td>
</tr>
<tr>
<td>Flagler</td>
<td>3,531</td>
</tr>
<tr>
<td>Putnam</td>
<td>1,793</td>
</tr>
<tr>
<td>Volusia</td>
<td>15,702</td>
</tr>
<tr>
<td>Columbia</td>
<td>1,379</td>
</tr>
<tr>
<td>Hamilton</td>
<td>245</td>
</tr>
<tr>
<td>St. Johns</td>
<td>3,922</td>
</tr>
</tbody>
</table>

**2010 - 2011 Mayo Clinic Memory Disorder Clinic Highlights:**

- Multi-disciplinary medical team, including neurologists and neuropsychologists accurately evaluated **112 new patients**, providing diagnoses and recommendations for treatment and care. A total of **224 unduplicated** persons were seen in the MDC.
- Provided **education and training** to **3,790** individuals including medical professionals, family caregivers and general public. Counseled families on the best practices for providing care across the continuum focusing on safety and quality of life.
- Collaborated with local agencies to provide community workshops for family caregivers. A well informed and prepared caregiver is better able to provide assistance in the home.
- Implemented a free, monthly educational program for family caregivers.
- Collaboration with Robert Glueckauf, Ph.D., at Florida State University on a NIH project to provide telephone and in-person counseling for **African-American** caregivers.
- Participated with the Alzheimer’s Association on Memory Walk to create community awareness regarding the needs of this population.
- Partnered with the City of Jacksonville and Brookdale Senior Living to provide the **fourth annual Brain Bowl** program to promote healthy brain aging and cognitive exercise to the community.
- Networked with Eldersource, Aging Resource Centers, and law enforcement to facilitate the resolution of Silver Alert notifications.
- Participated in the Northeast Florida Caregiver Coalition.
- Provided mentorship opportunities and fellowships for students and physicians.
Established in 1997 by Florida Statute (430.502) and funded in part through the Department of Elder Affair’s Alzheimer’s disease Initiative (ADI), the Memory Disorder Center at St. Mary’s is one of 15 State-designated clinics serving the entire state to:

- Provide evaluation and diagnosis of Alzheimer’s disease and related disorders;
- Equip family and caregivers with available Information and arrange community resources to allow persons with the disease to remain in the home.
- Conduct free memory screenings in the community
- Present free training courses to caregivers, professionals, and the general community;
- Administer counseling and support to caregivers, which relieves caregivers’ burdens and improves the ability to care for persons with the disease at home.
- Utilize current research in treatment plan leading to improved care and treatment of people with this disease.

According to the Department of Elder Affairs 2010 Florida Profiles, there are an estimated **57,072 people with probable Alzheimer’s disease** in the St. Mary’s service area:

- Martin: 6,743
- Palm Beach: 49,246
- Okeechobee: 1,083

**2010-2011 Clinic Highlights**

- Multidisciplinary approach: medical, psychological, psychiatric, nursing, and social works services are integrated to improve the treatment of patients and their families
- Provided **education and training** to over **1,440** individuals in the community
- Made over **605 referrals**
- Completed **158 free screenings** in the community

Granted Silver Alert Coordination and Support Project contract to provide coordination and standardization of protocols in assisting local law enforcement and aging services to ensure Silver Alert recipients are connected to services to prevent future occurrences. This was achieved by contacting the police department and Silver Alert family members to provide Alzheimer’s information and education, and to make the connection to local resources in an effort to minimize reoccurrences.

The Memory Clinic conducts annual caregiver appreciation day. Caregivers are invited for support and stress management seminars that arm them with the tools to care for themselves, which leads to the ability to care for loved ones in the home.
Established in 1986 by Florida Statute (430.502) and funded in part by the Department of Elder Affairs, Alzheimer's Disease Initiative (ADI), the NBMDC is one of 15 state designated centers serving the entire state (all 67 counties) to provide:

- Evaluation and diagnosis of Alzheimer's disease and related disorders;
- Information, education, and support to family caregivers impacted by this disease;
- Training to families, professionals, and the general community;
- Applied research to improve the care and treatment of people with this disease;
- Clinical Drug Trials;
- Driving Evaluations;
- Train Your Brain Program; and
- Counseling /Support Groups.

When a Silver Alert is activated, the MDCs throughout the state work in partnership with law enforcement to minimize reoccurrences. The MDC provides the family with information, education, and referrals to local resources in the community.

MDCs average $8,400/year for a person in the ADI program versus an average $50,334/year for a Medicaid nursing home bed. ADI services of diagnosis, intervention, and education delay nursing home placement and are an extremely economical and cost-effective way to serve hundreds of people affected by memory disorders.

The Center offers the “Care Assistance Program,” a 16-hour educational program for caregivers held five times a year during the day and “Nightcap,” a 12-hour educational program held five times a year in the evening. Program speakers discuss the disease process, behavior strategies, medications, legal issues, and resources in the community. Transportation and respite are available upon request.

Per the Department of Elder Affairs 2010 Florida Profiles, there are an estimated 45,000 people with probable Alzheimer’s disease in the NBMDC service area.

2010-2011 Highlights

- Multi-disciplinary medical team which includes a neurologist, social worker, neuropsychologist, and geriatric psychiatrist and provides a comprehensive memory evaluation.
- The staff evaluated 319 patients this year which includes three office visits to determine diagnosis and make recommendations for treatment, care, and referrals.
- Provided education and training to over 3,091 individuals in the community.
- Made over 1,500 referrals to community resources.
- Completed 92 free memory screenings in the community.

NORTH BROWARD MEMORY DISORDER CENTER IS THE FIRST IN THE NATION TO ATTAIN JOINT COMMISSION CERTIFICATION FOR ALZHEIMER'S DISEASE.
The Orlando Health Memory Disorder Center (OHMDC) was established in 1995 and in 1997 was designated by Florida Statute (430.502) under the Alzheimer's Disease Initiative as a State-designated memory disorder clinic. Today the OHMDC serves as one of 15 State-designated clinics in Florida, providing the following services:

- Medical evaluation and diagnosis of Alzheimer’s disease and related disorders (ADRD);
- Information, education and support to family caregivers impacted by ADRD;
- Training to patients, family caregivers, professionals, and the general community; and
- Applied research to improve the care & treatment of those with dementing illness and their caregivers.

According to the Department of Elder Affairs 2010 Florida County Profiles, there are an estimated **62,052 people with probable AD** in the OHMDC service area:

<table>
<thead>
<tr>
<th>County</th>
<th># Probable AD Cases</th>
<th># Residents Age 60+</th>
<th>AD as % of 60+ Residents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hernando</td>
<td>7,858</td>
<td>63,092</td>
<td>12.45%</td>
</tr>
<tr>
<td>Lake</td>
<td>11,165</td>
<td>98,447</td>
<td>11.34%</td>
</tr>
<tr>
<td>Orange</td>
<td>15,055</td>
<td>155,123</td>
<td>9.71%</td>
</tr>
<tr>
<td>Polk</td>
<td>16,452</td>
<td>143,416</td>
<td>11.47%</td>
</tr>
<tr>
<td>Seminole</td>
<td>6,857</td>
<td>72,167</td>
<td>9.50%</td>
</tr>
<tr>
<td>Sumter</td>
<td>4,665</td>
<td>37,377</td>
<td>12.48%</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>62,052</strong></td>
<td><strong>569,622</strong></td>
<td></td>
</tr>
</tbody>
</table>

**2010-2011 ORLANDO HEALTH MEMORY DISORDER CLINIC HIGHLIGHTS:**

- The OHMDC multi-disciplinary medical team, including a neurologist, geriatrician, geriatric psychopharmacologist, social workers, and neuropsychologists, evaluated approximately **200 patients** this year, providing diagnoses and recommendations for treatment and care through nearly 900 office visits.
- **Educated, informed, and trained** over **3,100** individuals in the community through formal presentations and more than **3,900** people through health fairs and other community outreach events.
- Provided the “**Coping as Couples**” Support Group serving families affected by early symptoms of cognitive impairment. This group provides support for patients and their family caregivers.
- Partnered with a generous foundation as well as an African-American church and township to provide “**Boost Your Brain Camp**” for cognitively healthy seniors in Orange County to teach healthy lifestyles for maximum brain health.
- Awarded Silver Alert Contract to assist law enforcement with follow up with the families of cognitively impaired seniors who elope in their cars. By connecting with the families of Silver Alert drivers, we provide Alzheimer’s information and education and referral to meaningful local resources, thereby decreasing the possibility of recidivism.
Sarasota Memorial Hospital Memory Disorder Clinic
1515 S Osprey Avenue, Suite A -1, Sarasota, Florida 34239
941-917-7197
Bruce Robinson, MD, Medical Director
Kathleen Houseweart, MDC Coordinator

Sarasota Memorial Health System’s Memory Disorder Clinic (SMHMDC) began operations in 2000, under the direction of Dr. Bruce Robinson, Chief of Geriatrics at Sarasota Memorial Healthcare System. Each patient receives a comprehensive evaluation from an expert clinical team made up of two board certified geriatricians, two board certified neurologists, neuropsychologists, and staff experienced in coordinating community resources.

Testing includes cognitive screening, neurological examination, necessary lab work, brain imaging, and neuropsychological testing. The clinical team reviews each case to provide diagnosis and treatment recommendations. Patients and families then meet with a clinic physician and counselor to explain the diagnosis and recommendations. Families receive a written report and assistance with referrals to necessary supportive services. The final diagnosis and recommendations are sent to each patient’s primary care physician to assure continuity of care. No physician referral is needed.

We serve De Soto, Highlands, and Sarasota counties, and the Florida Department of Elder Affairs estimates that there are 28,054 individuals with probable Alzheimer’s in this area.

2010-2011 CLINIC HIGHLIGHTS:
- Completed 375 comprehensive evaluations
- Completed 104 free screenings in the community – almost triple last year’s total
- Made 2,209 referrals to community services
- Provided free training and education to 2,895 individuals
- Provided the On Your Mind newsletter to approximately 500 people monthly
- Continued two successful Mild Cognitive Impairment Education and Support Groups, recognized as one of the “Best Practices” in the State of Florida
- Due in part to its designation as a State of Florida Memory Disorder Clinic, the SMHMDC was awarded, in collaboration with partners, two Alzheimer’s Disease Supportive Service Program Grants which in total bring approximately $1.5 million to the State in the next three years.
  - Innovations Grant – Partners East Central Florida Memory Disorder Clinic and Lee Memorial Memory Disorder Clinic. The MindSet program creates a curriculum for early stage dementia and mild cognitive impairment patients to help them maintain function.
  - Research Grant – Partners with Jewish Family & Children Services of Sarasota and uses the New York University model of caregiver and family counseling to reduce caregiver stress, increase social contacts, and reduce premature institutionalization.
Established in 1998 by Florida Statute (430.502) and funded in part through the Department of Elder Affairs Alzheimer’s Disease Initiative (ADI), the Tallahassee MDC is one of 15 State-designated clinics serving the entire state to provide the following:

- Evaluation and diagnosis of Alzheimer’s disease and related disorders;
- Information, education, and support to family caregivers impacted by this disease;
- Training to families, professionals, and the general community;
- Applied research to improve the care and treatment of people with this disease.

According to the Department of Elder Affairs 2010 Florida Profiles, there are an estimated 7,894 people with probable Alzheimer’s disease in the TMH MDC service area:

- Calhoun: 342
- Leon: 3,796
- Gulf: 408
- Wakulla: 518
- Gadsden: 1,026
- Jefferson: 366
- Liberty: 137
- Madison: 493
- Franklin: 323
- Taylor: 485

With the exception of Leon County, these are rural counties with few if any resources to serve the members of this vulnerable population and their caregivers.

**2010-2011 Clinic Highlights**

- Included a multidisciplinary medical team which includes a neurologist, a neuropsychologist, social workers, a pharmacist, a nurse, and a speech/language pathologist as well as students in social work and pharmacy who provide a comprehensive memory evaluation. The staff evaluated **375 persons** this year which may include several office visits to determine diagnosis and make recommendations for treatment, care, and referrals.
- Provided **education and training** to **1,486 persons** in the community.
- Provided support groups and educational programs throughout the service area.
- Provided resources and support to the Alzheimer’s Project, a local caregiver support organization.

Contracted to assist law enforcement with Silver Alerts by contacting Silver Alert family members to provide information and education as well as make the connection to local resources in an effort to minimize recurrences.

Worked with researchers at Florida State University College of Medicine to develop ways to increase education and support to African American caregivers.
University of Florida Memory Disorder Clinic (UF MDC)
University of Florida Cognitive & Memory Disorder Clinics
Box 100236, Department of Neurology, McKnight Brain Institute,
Gainesville, FL 32610-0236
Appointments (352) 294-5000
Kenneth M. Heilman, MD, Medical Director
Leilani Doty, PhD, MDC Coordinator

One of the first four Alzheimer’s Disease Initiative (ADI) Memory Disorder Clinics (1985) under Florida Statute (430.502) and partially funded by the Department of Elder Affairs
ADI, the UF MDC serves families throughout Florida and beyond to:
♦ Provide a full medical evaluation and diagnosis of fixable, manageable, and progressive dementias such as Alzheimer’s disease that may have some treatments available;
♦ Educate health students, health providers, and families about Alzheimer’s disease and related memory disorders and care management over the long-term;
♦ Support patients and family caregivers dealing with such diseases;
♦ Train families, professionals, and the general community in how to manage and interact with persons who have Alzheimer’s disease and/or related disorders;
♦ Refer families to community care services and other resources to provide assistance:
♦ Do research to learn ways to help caregivers and care receivers manage a quality lifestyle and to learn about treatments such as medicine to improve functioning.

A few words of appreciation from a few families:
♦ Thank you for the phenomenal job with the (medical) evaluation and finding a treatable dementia…you made her feel less anxious…and we are so relieved.
♦ Thank you for the careful exam and discussion about this strange illness which was not Alzheimer’s disease after all, but a disease we never heard of. We hope your suggestions will improve him. At least we can phone you when we need help.
♦ As we drove home from the clinic, we felt as if you had lifted a great burden from our shoulders. We have worked so long to take care of Mom and though we wanted to continue, the stress has cost us our health. Thank you for the referrals to our senior center and some local volunteer programs.

During 2010-2011 the UFMDC:
♦ Completed 176 clinical evaluations including follow-ups
♦ Provided phone information, support, and/or counseling to 192 people
♦ Made 875 referrals to other services including volunteer services to help families
♦ Educated or assisted in a variety of ways 239 family caregivers (community workshops are free and open to all!).
♦ Educated and networked with Alachua County law enforcement officers regarding the Silver Alert Program and services the UF MDC has available to involved families.
♦ Totaled 387+ hours of education to: 8,611 health providers, 2,601 medical/health students, 3201 social service providers, and 821 people in the general public.
Established in 1985 by Florida Statute (430.502) and funded in part through the Department of Elder Affair’s Alzheimer’s Disease Initiative (ADI), the UM-MDC is one of 15 State-designated clinics serving the entire state to provide:

- Evaluation and diagnosis of Alzheimer’s disease and related disorders;
- Information, education, and support to family caregivers impacted by this disease;
- Training to families, professionals, and the general community;
- Applied research to improve the care and treatment of people with this disease.

According to the Department of Elder Affairs 2010 Florida Profiles, there are an estimated **47,620 people with probable Alzheimer’s disease** in the UM-MDC service area, which includes Miami-Dade and Monroe counties.

**2010-2011 Clinic Highlights**

- Multi-disciplinary medical team which includes a geriatric psychiatrist, a neurologist, a social worker, a neuropsychologist, a gerontologist, geriatric psychiatry fellows, and post-doctoral students in psychology who provide a comprehensive memory evaluation. The staff **evaluated 458 patients** this year to determine diagnosis, make treatment recommendations, and provide referrals and clinical services to patients and caregivers through an additional 275 follow-up office visits.
- Provided approximately **1,500 hours of education** and training to over **1,600 individuals** including health care professionals, health students, social service professionals, family caregivers, and the general public.
- Made **350 referrals** to community resources and caregiver support services.
- Made over **150 referrals** to various research studies including studies at the UM-MDC, the UM Center on Aging, and to the State of Florida Brain Bank.
- Completed **313 free screenings** in the community.

Provided education and training in Spanish to the Hispanic community through our *Telephone Support Group for Spanish-speaking Caregivers in the State of Florida*, a monthly tele-support group in Spanish, and to over 150 ADI provider staff, direct care staff, and family caregivers through our annual Alzheimer Caregiver Seminar for Hispanics.

Participated in the State of Florida Silver Alert Program by contacting the police department and Silver Alert family members to provide Alzheimer’s information and education and to make the connection to local resources in an effort to minimize reoccurrences.

As part of our research activities, the UM-MDC developed the Evelyn F. McKnight Cognitive Disorders Clinical and Biorepository Registry to collect demographic, anthropomorphic, brain imaging, and blood marker data on all patient and caregiver volunteers presenting to the UM-MDC. As of June 2011, over 80 patients and families have been enrolled.
Established in 1986 by Florida Statute (430.502) and funded in part through the Department of Elder Affairs’s Alzheimer’s Disease Initiative (ADI), the University of South Florida Memory Disorders Clinic is one of 15 State-designated clinics serving the entire state to provide:

- Evaluation and diagnosis of Alzheimer’s disease and related disorders;
- Information, education, and support to family caregivers impacted by this disease;
- Training to families, professionals, and the general community;
- Applied research to improve the care and treatment of people with this disease.

According to the Department of Elder Affairs 2010 Florida Profiles, there are an estimated **230,242 people with probable Alzheimer’s disease** in the USF MDC service area: Hillsborough: 175,279 Hardee: 4,131 Manatee: 50,832

**2010-2011 Clinic Highlights**

- Interdisciplinary team which includes geriatric psychiatrists, neuropsychiatrists, a neuroradiologist, neuropsychologists, a pharmacist, social workers, social work interns, a gerontologist, and support staff that conduct a comprehensive diagnostic evaluation. The staff evaluated **283 patients** this year which includes three office visits to determine diagnosis and make recommendations for treatment, care, and referrals.
- Provided **education and training** to over **2,040** individuals in the community.
- Made over **500 referrals**.
- Completed **66 free screenings** in the community.

Awarded Silver Alert contract to add protocols for recovery of elderly, cognitively impaired persons on foot or driving, and prevention of these occurrences. We are conducting literature reviews on best practices of evidence-based protocols on wandering; compiling data and developing recommendations in collaboration with the Silver Alert Committee on the strategies for preventing elopement and wandering behavior; developing training programs and appropriate collaterals for law enforcement; and disseminating outreach materials, and refining standardized protocols and procedures for working with returned Silver Alert recipients whether they drove or walked and became lost.

The USF hosted several Silver Alert Public Awareness Events to educate all community members, residents, law enforcement, professional and family caregivers, on the Silver Alert Program which resulted in multimedia exposure (TV, radio, and internet).

The USF MDC in efforts to increase diverse patient outreach has staff members who are multilingual. We offer comprehensive diagnostic evaluations and follow-up visits in Spanish, French, Creole, and English. We have on staff a bi-lingual LCSW who offers evaluations and counseling in Spanish. We have participated in bi-lingual community outreach programs.
West Florida Hospital Memory Disorder Clinic (WFHMDC)
8383 North Davis Highway, Pensacola, Florida 32514
850-494-6490
Andy Somesan, MD, Medical Director
Joy Barbee, RN, BSN, CPAN, MDC Coordinator

Established by Florida Statute (430.502) and funded in part through the Department of Elder Affairs Alzheimer’s Disease Initiative (ADI), the West Florida Hospital Memory Disorder Clinic is one of 15 State designated clinics serving the entire state to provide the following:

- Evaluation and diagnosis of Alzheimer’s disease and related disorders;
- Information, education, and support to family caregivers impacted by this disease;
- Training to families, professionals, and the general community; and
- Applied research to improve the care and treatment of people with this disease.

The WFHMDC facilitates an Alzheimer Disease Support Group, provides State-mandated Alzheimer education for Nursing Home and ALF workers, and travels our eight-county area speaking at support groups and other educational opportunities.

The Memory Clinic offers a variety of classes for family caregivers at no cost and not available elsewhere to help educate about coping strategies regarding this disease; prepare for the future; and provide links to private and community resources to assist with the goal of remaining at home.

According to the Department of Elder Affairs 2010 Florida Profiles, there are an estimated **21,894 people with probable Alzheimer’s disease** in the WF service area:

<table>
<thead>
<tr>
<th>County</th>
<th>Estimated Population</th>
</tr>
</thead>
<tbody>
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<td>Escambia</td>
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**2010-2011 Clinic Highlights**

- Multi-disciplinary medical team which includes a geriatrician, a social worker, a neuropsychologist, FSU medical students, Pharm.D. students from UF, and nursing students from UWF who provide a comprehensive memory evaluation. The staff evaluated **107 patients** this year to determine diagnosis and make recommendations for treatment, care, and referrals.
- Provided education and training to over **682 individuals** in the community.
- Made over **787 referrals**.
- Completed **84 free screenings** in the community.

Awarded contract to assist law enforcement with Silver Alerts by contacting the police department and Silver Alert family members to provide Alzheimer’s information and education, and to make the connection to local resources in an effort to minimize reoccurrences.
Established in 1986 by Florida Statute (430.502) and funded in part through the Department of Elder Affairs Alzheimer’s Disease Initiative (ADI), the Wien Center is one of 15-State designated clinics serving the entire state to:

- Provide evaluation and diagnosis of Alzheimer’s disease and related disorders
- Inform, educate, support, and train family caregivers impacted by this disease
- Offer research to people with memory disorders and their caregivers

According to the Alzheimer’s Association 2011 Facts and Figures, an estimated 5.4 million people in the United States have Alzheimer’s disease, of whom 450,000 live in Florida. This number is projected to grow to 590,000 by 2025. Florida is the state with the oldest population, so the impact of Alzheimer’s disease is greater here than anywhere else in the nation. Miami-Dade County has the oldest Hispanics in the nation, so the Wien Center is playing an important role in supporting patients, caregivers, and professionals in this particular group. Over 60 percent of Wien Center clinic patients are primary Spanish speakers.

According to the Department of Elder Affairs 2011 Florida Profiles, there are an estimated 48,501 people with probable Alzheimer’s disease in the Wien Center service area: Monroe: 1,723 Miami-Dade: 46,778

2010-2011 Clinic Highlights

- Multi-disciplinary medical team which includes two neurologists, a nurse practitioner, a social worker, a mental health counselor, several psychologists, two medical assistants, and several graduate students in psychology who provide a comprehensive memory evaluation. The staff evaluated 527 new patients and had over 2,000 follow-up appointments.
- Provided education and training to over 1,210 caregivers and professionals in the community.
- Made over 2,000 referrals to community resources, such as day care, in an effort to prevent institutionalization.
- Completed 134 free screenings in the community.

Assisted law enforcement with Silver Alerts by contacting the police department and Silver Alert family members to provide Alzheimer’s information and education, and to make the connection to local resources in an effort to minimize reoccurrences.

The MDC offers a variety of educational training and support groups for family caregivers at no cost and that are not available elsewhere to provide education regarding this disease, prepare for the future, and link to private and community resources, with the goal of having the elder remain at home.

The MDC was also involved in several research trials of novel agents for the treatment of Alzheimer’s disease. The MDC also played a major role in the clinical testing of amyloid imaging agents done by Avid Radiopharmaceuticals and GE Healthcare. These agents may lead to an earlier and more accurate diagnosis of Alzheimer’s disease.
The Louis and Anne Green Memory and Wellness Center is one of 15 State-designated clinics serving the entire state to provide the following:

- **Evaluation and diagnosis** of Alzheimer’s disease and related disorders;
- Information, **education, and support** to family caregivers;
- **Training** to families, professionals, and the general community;
- Applied research to **improve the care** and treatment of people with this disease.

### 2010-2011 Memory and Wellness Center Highlights

The Memory and Wellness Center, located on FAU’s Boca Raton campus, is part of FAU’s Christine E. Lynn College of Nursing and averages 16,000 visitors each year, one-third of whom are caregivers who have found respite, education, and support. Our AHCA-designated Day Center provides care to an average of 68 persons a day serving as an active and secure place for families to bring spouses or parents who are experiencing memory loss. The caregiver support programs have a positive impact on life at home. Attendance at caregiver support groups average 100 persons a week.

Our Diagnostic Services Clinic, is one of 15 State-designated Memory Disorder Clinics and **it currently receives no state funding related to that designation**. The center offers a wide range of services and programs to individuals with mild to moderate memory disorders, including Alzheimer’s disease and related dementias. Interdisciplinary diagnostic service visits are Medicare reimbursed and start with a comprehensive memory evaluation that helps diagnose a memory disorder and begin a treatment plan with a patient’s physician. The clinic is a self-sustaining entity based on revenue brought in from our Day Center participants, grants, Medicare reimbursement, the generosity of donors, and the Caring Hearts Auxiliary.

For more information please contact Dr. Kathleen Valentine, Director of the Louis and Anne Green Memory and Wellness Center. Phone 561-297-0502 or e-mail Kvalent7@fau.edu.
Established in 2004 by Florida Statute (430.502). We are one of two State-designated clinics that have not received funding. We are overseen by the Department of Elder Affairs Alzheimer’s Disease Initiative (ADI). Along with the other state designated clinics we:

- Provide evaluation, diagnosis, and treatment of Alzheimer’s disease and related dementias;
- Educate and support patients, caregivers, family members, and the community impacted by the disease;
- Provide DriveABLE Assessments for the cognitively impaired driver, one of six locations within Florida
- Research to improve the treatment of Alzheimer’s disease
- Provide UCLA Memory Fitness training for the community, one of three in Florida

According to the Department of Elder Affairs 2010 Florida Profiles, Pinellas County is one of the top four counties with residing elders ages 60+. There are also an estimated 51,600 people with probable Alzheimer’s disease in the PSA 5 service area:

Pinellas: 34,685
Pasco: 16,915

2010-2011 Clinic Highlights

- Multi-disciplinary team consists of a neurologist, a neuropsychologist, a licensed clinical social worker, a psychometrist, and a part-time social worker.
- 300 new patients were evaluated and treated this year; which includes a minimal of four office visits
- Assisted with 1,000 referrals
- Provided over 100 DriveABLE assessments including road test evaluations
- Supported 5five Caregiver Support Groups and one Early Stage Alzheimer’s disease patient support group
- Partnered in two pilot research projects with the Alzheimer’s Association
- Completed a 2two-year neurofeedback research project
- Completed a Zinc study in relation to Alzheimer’s disease
STATE OF FLORIDA BRAIN BANK (2010-2011)

Principal Investigators:
Ranjan Duara, MD, Medical Director of the Wien Center, Mount Sinai Medical Center, Miami Beach; Professor of Neurology, Miller School of Medicine, University of Miami, Miami, Florida
Dennis W. Dickson, MD, Professor of Laboratory Medicine and Pathology, Mayo Clinic, Jacksonville, Florida.
Carl Sadowsky, MD, Medical Director, West Palm Beach, Florida
Neill Graff-Radford, MD, Professor of Neurology, Mayo Clinic, Jacksonville, Florida

The State of Florida Department of Elder Affairs supports the Alzheimer’s Disease Initiative Brain Bank. The purpose of the Brain Bank is to study the brains of individuals with dementing illnesses and to provide tissue for research. At present, only a brain autopsy at the time of death can confirm that an individual definitely suffered from Alzheimer’s disease or any other type of dementing disorder.

Recruitment of Brain Bank donors is by referrals from memory disorder clinics and various other community sources. At the time of death, the family or nursing home accesses a 24-hour on-call phone number. The autopsy should be performed within 12 hours of the time of death to assure maximum research value. The brain is shipped to Dr. Dennis Dickson in Jacksonville for neuropathology studies. When the autopsy is completed, a report of the neuropathological diagnosis is sent to the family.

During the 2010-2011 fiscal year:

- **Eighty-four donors were accepted** into the State of Florida Brain Bank
- The families of 69 cases received a neuropathology report:
  - The most frequent post-mortem diagnoses were:
    - Alzheimer’s Disease, 80 percent
    - Diffuse Lewy Body Disease, 23 percent
    - Vascular disease, 26 percent
    - Hippocampal Sclerosis / Temporal Sclerosis, 13 percent,
    - Fronto-Temporal Dementia (FTD) or Pick’s, 13 percent
    - Cortico-Basal Degeneration was diagnosed in one donor and Progressive Supranuclear Palsy in three donors. (Some persons were diagnosed with multiple pathologies.)
- **Education** on the brain bank was provided to: **1,713 health care professionals, 1,645 family caregivers, and to 2,187 members of the “general public.”**

The ADI Brain Bank provided frozen tissue samples (29 different cases) **to six different research laboratories** at Mayo Clinic (Drs. Dickson, Lewis, Golde, Petrucelli, Taner and Rademakers). In addition, four (4) samples were sent to Stanford University (Dr. Kopito) and one CJD case from the ADI was sent to the Prion Surveillance Laboratory (Dr. Gambetti) in Cleveland. DNA samples from ADI Brain Bank samples with FTD were sent to University of Pennsylvania for a genome wide association study. Samples were also included in genetic studies of AD and FTD through collaborations with Dr. Younkin and Dr. Rademakers at Mayo Clinic. Selected publications include:


In the last 20 years, the State of Florida Brain Bank has performed post-mortem examinations on over 2,000 patients. Brain tissue from the State of Florida Brain Bank may lead to cures and treatments that reduce the prevalence of Alzheimer's disease. During the last three years, the State of Florida Brain Bank provided frozen tissue to six different researchers at the Mayo Clinic; Stanford University; the Prion Surveillance Laboratory, Cleveland, Ohio; and the University of Pennsylvania. What is learned from this research will impact profoundly both the health and economic future of Floridians.

More than 50 references* report research findings based on State of Florida Brain Bank tissue. Some of the very technical findings included:

- Alzheimer’s disease is the leading cause of dementia in all age groups, from 50 to 90 years of age.
- Lewy Body Dementia, the second leading cause of dementia, is more common among men.
- Research findings more clearly defined criteria for diagnosing Lewy Body Dementia.
- A family history of dementia is a risk factor for both Lewy Body Dementia and Alzheimer’s disease.
- Vascular disease (related to changes in blood flow and blood vessel changes) contributes to a quarter of all dementia cases over the age of 70.
- The accuracy of a diagnosis of Alzheimer’s disease increases when known vascular factors are excluded.
- Many pathology changes found in Parkinson Disease Dementia (PDD) are also found in Lewy Body Dementia even though differences appear in their signs, symptoms, and type of decline.
- Frontotemporal dementia is more common among younger adults, striking in their 40s and 50s.
- A mutation in the progranulin gene (GRN) is the most common cause of Frontotemporal Dementia with TDP-43 immunoreactive inclusions.
- Two major healthcare companies (GE Healthcare and Avid Radiopharmaceuticals) established a presence in Florida as a direct result of the availability of potential study participants from the Brain Bank sites at the Wien Center at Mount Sinai, St. Mary’s Memory Disorder Center, and the Alzheimer’s Resource Center in Orlando. These studies confirmed that PET brain-imaging compounds that highlight the presence of amyloid plaques in the brain provide an accurate diagnosis of Alzheimer’s disease.