

Department of Mental Health Department of Biostatistics

Mid-Atlantic Causal Inference Conference May 19-20, 2008

We look forward to your attendance at the 2008 mid-Atlantic Causal Inference Conference, to be held at the Johns Hopkins Bloomberg School of Public Health. We have over 80 attendees registered, and 1.5 days of presentations and posters on causal inference methodology.

This packet provides details on the meeting schedule, restaurant recommendations in Baltimore, directions, maps, and parking information. Although some of the hotels are 1-2 miles from campus, we do not recommend walking to campus. You can also check with your hotel regarding whether they have free shuttle service to JHSPH and/or the Hopkins medical campus.

Parking is available to registrants at the Orleans Street Garage located on Orleans and Broadway Streets. Please see the enclosed map for details. Please enter the conference location building (615 N. Wolfe Street) at the Monument Street entrance. Registration tables will be stationed there. Registration and check-in begins at 8:15 a.m. and a continental breakfast will be served until 9:00 a.m.

Please contact me with any questions, by email at estuart@jhsph.edu or phone at 410-502-6222 or 202-489-8446 (cell phone; better the days surrounding the conference).

I look forward to seeing you at the meeting!

Sincerely, Elizabeth Stuart

Mid-Atlantic Causal Inference Conference Johns Hopkins Bloomberg School of Public Health 615 N Wolfe St. Baltimore, MD May 19 – 20, 2008

Description:

The overall objective of this workshop is to provide a forum for researchers in causal inference to discuss recent advances in methodology and their use in applied settings.

There are three specific objectives:

- 1. Facilitate an exchange of ideas between researchers across institutions;
- 2. Explore particular areas of current research: sensitivity analysis, causal inference in multilevel settings, and mediation analysis;
- 3. Examine a causal inference case study in detail--that of estimating the effects of hormone replacement therapy.

Sponsored by:

The Center for Prevention and Early Intervention, JHSPH*
The Center for the Prevention of Youth Violence, JHSPH**
Department of Biostatistics, JHSPH
Center for Statistical Sciences, Brown University
Biostatistics Section, Department of Community Health, Brown University***

- * Funded by the National Institutes of Mental Health and Drug Abuse
- ** Funded by the Centers for Disease Control
- *** Support also provided by NIH Grant R01-HL-79457

Schedule:

Monday May 19 (Sheldon Hall):

8:15 – 9: Registration and coffee

9-10:30 Symposium 1: Sensitivity analysis for causal models

Session Organizer: Joe Hogan, Brown University

Dan Scharfstein, Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health

Title TBA

Els Goetghebeur, University of Ghent and Harvard School of Public Health "Sense and sensitivity when correcting for observed exposures in randomized clinical trials"

Discussant: Joe Hogan, Department of Biostatistics, Brown University 10:30-11 Break

11-12:30 Symposium 2: Causal inference in multilevel data structures
Session Organizer: Jennifer Hill, Columbia University
Fan Li, Department of Health Care Policy, Harvard Medical School

"Propensity scores with hierarchical data"

Kosuke Imai, Department of Politics, Princeton University

"The essential role of pair matching in cluster-randomized experiments, with application to the Mexican universal health insurance evaluation"

Discussant: TBA

12:30-2 Lunch (Feinstone Hall)

2-3:30 Keynote address: Paul Rosenbaum, Department of Statistics, University of Pennsylvania

"A recent observational study used to illustrate recent methodology for such studies"

3:30-4 Break

4-5:30 Symposium 3: Methods for Mediation Analysis

Session Organizer: Dylan Small

Brian Egleston, Fox Chase Cancer Research Center

"Investigating mediation when counterfactuals are not metaphysical: Does sunlight UVB exposure mediate the effect of eyeglasses on cataracts?"

Marshall Joffe, University of Pennsylvania

"Extended Instrumental Variables Estimation for Overall Effects"

Discussant: Michael Elliott, Department of Biostatistics and Survey Methodology Program, University of Michigan

5:30-6:30 Happy hour/reception (Feinstone Hall)

Tuesday May 20 (Sheldon Hall):

Case study: "Observational studies analyzed like randomized experiments, and vice versa: an application to postmenopausal hormone therapy and heart disease"

Session Organizer: Miguel Hernán

8:15 – 9 Registration and coffee

9 – 9:40 Jacques Rossouw, National Heart, Lung, and Blood Institute "Overview of the Women's Health Initiative"

9:40 - 10:20 Miguel Hernán, Harvard School of Public Health

"Observational studies analyzed like randomized experiments"

10:20-10:30 Break

10:30 - 11:10 Darren Toh, Harvard School of Public health

"Randomized experiments analyzed like observational studies"

11:10 - 11:40 James Robins, Harvard School of Public Health

11:40 – 12 Open discussion

Restaurant Recommendations in Baltimore

(When available, the dollar amount shown is estimate from Zagat's of cost of dinner, one drink, and tip)

Fells Point

Red Star (upscale pub) \$25 906 S Wolfe St. (near Thames St.), 410-675-0212, <u>www.redstarbar.us</u>

Kali's Court (Greek/Mediterranean/Seafood) \$49 1606 Thames St. (between Bond and Broadway), 410-276-4700, www.kaliscourt.com

Mezze (Mediterranean tapas) \$30 1606 Thames St. (between Bond and Broadway), 410-573-7600, www.kalismezze.com

The Black Olive (Greek/Seafood) \$50 814 S. Bond St. (at Shakespeare St.), 410-276-7141, www.theblackolive.com

DuClaw (brewpub) (inexpensive/moderate) 901 S. Bond St. (between Lancaster and Aliceanna), 410-563-3400, www.duclaw.com

Inner Harbor/Harbor East

Ra Sushi (moderately priced) 701 S Eden St. (corner of Aliceanna St.), 410-522-3200, www.rasushi.com

Pazo (Mediterranean) \$40 1425 Aliceanna St. (between S. Caroline St. and S. Central Ave.), 410-534-7296, www.pazorestaurant.com

Lebanese Taverna (Lebanese) \$26 719 S. President St. (at Aliceanna St.), 410-244-5533, www.lebanesetaverna.com

Note: A number of chains (e.g., Cheesecake Factory, Capitol Grill, McCormick and Schmick's, Legal Sea Foods are also located in the Inner Harbor, particularly on Pratt St.)

Mt. Vernon

Helmand (Afghan) \$28 806 N. Charles St. (between Madison and Read), 410-752-0311,

www.helmand.com

Dukem (Ethiopian) \$19 1100 Maryland Ave. (at W. Chase St.), 410-385-0318, www.dukemrestaurant.com

Thairish (Thai) inexpensive 804 N. Charles St. (near W. Madison St.), 410-752-5857

Brewer's Art (American, brewpub) \$32 (plus casual bar menu available) 1106 N. Charles St. (between Biddle and Chase Sts.), 410-547-6925, www.belgianbeer.com

Federal Hill

Thai Arroy (Thai) \$21 1019 Light St. (at Cross St.), 410-385-8587, www.thaiarroy.com

Matsuri (Japanese/sushi) \$28 1105 S. Charles St. (at Cross St.), 410-752-8561, <u>www.matsuri.us</u>

Charles Village (near Hopkins undergrad campus)

Ambassador Dining Room (Indian) \$33 3811 Canterbury Road (between 39th St. and University Parkway), www.ambassadordiningroom.com

Little Italy

Amicci's (Italian) \$23 231 S. High St. (between Fawn and Stiles Sts.), 410-528-1096, www.amiccis.com





Visit JHSPH
Directions
Bloomberg School of Public Health

The School of Public Health is located at 615 N. Wolfe Street, directly across from the Johns Hopkins Hospital, in East Baltimore. Recorded directions are available by telephone at 410 / 955.0166.

From the Baltimore Beltway (I-695) north or east side: Take I-695 to exit 35, Pulaski Highway (U.S. 40). Proceed west along Pulaski Highway and turn right onto Orleans Street and park in the Orleans Street garage.

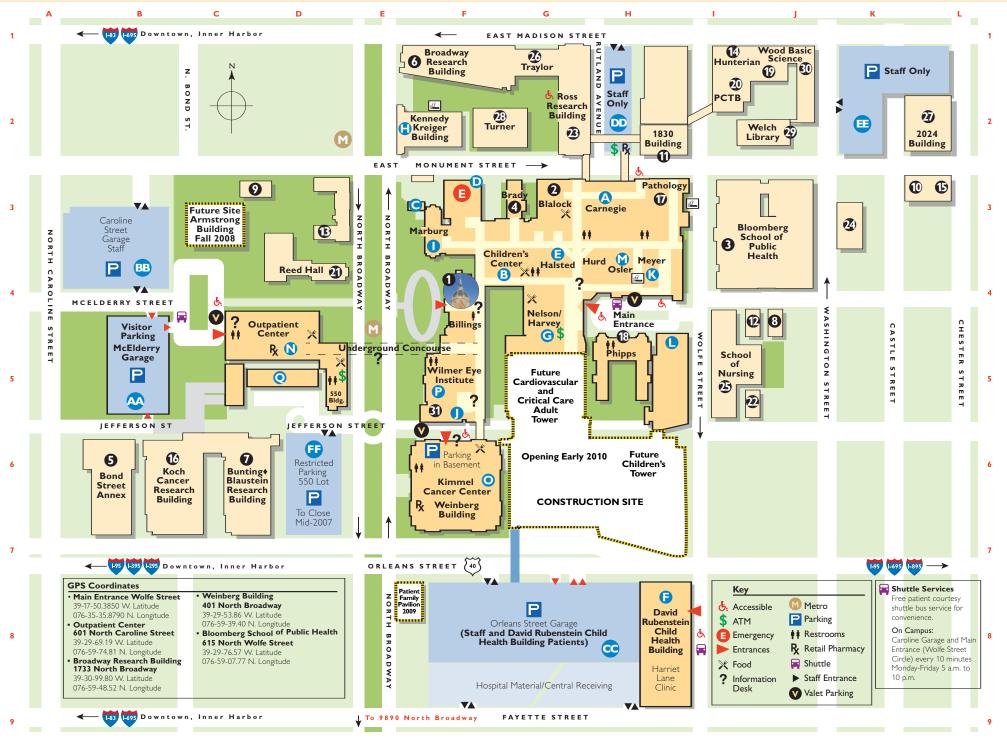
<u>From I-95 (southbound):</u> Remain on I-95 past the I-695 interchange (the Baltimore Beltway), then stay to the left and take I-895 (the Harbor Tunnel thruway). From I-895, take the first exit on the right (marked "Downtown/Route 40") to Moravia Road. Turn left at the traffic signal and then right at the second exit (marked Pulaski Highway/Route 40W. After about 1.8 miles Pulaski Highway becomes Orleans Street. Bear right and stay on Orleans Street and park in the Orleans Street garage.

<u>From I-95 (northbound):</u> Approaching Baltimore, take Exit 53 (I-395, marked "Downtown - Inner Harbor"). Stay to the right and exit onto Conway Street. Stay in the center lane and follow Conway Street to the third traffic signal at Light Street. Turn left onto Light Street staying in the right lanes, which will merge into Pratt Street. Follow Pratt Street for approximately 1.25 miles. Park in the Orleans Street garage.

<u>By Train:</u> Both MARC and Amtrak offer train service to and from Baltimore. Students and guests of JHSPH are permitted to ride the free shuttle bus to and from Penn Station.

Note: passengers may be asked to provide either a Hopkins photo ID or a letter of purpose to ride the shuttle bus.





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Patient Care Buildings

- A Carnegie Building 3H
- B Children's Center 3G
- C Emergency (Adult) Park Building 3F
- D Emergency (Pediatric) Park Building 3G
- E Halsted Building 4G
- F David Rubenstein -Child Health Building H8
- G Nelson/Harvey Tower 5G
- H Kennedy Krieger Institute 2E
- Brady Urological Institute -Marburg Building 3F
- J Maumenee Building 5F
- K Psychiatry and the Neurosciences -Meyer Building 4H
- L MRI Building 5H
- M Osler Building 3H
- N Outpatient Center (JHOC) 5D
- Kimmel Cancer Center Weinberg Building 6F
- P Wilmer Eye Institute 5F
- Q 550 Building 5D

Parking

- AAVisitor Parking McElderry Garage 5B
- BB Caroline Street Outpatient Parking Garage Staff/Visitor 3B
- **CC**Orleans Street Garage G8
- DD Rutland Parking Garage (East Madison St.)
 Staff Only 1H
- EE Parking Garage (Washington St.)
 Staff Only 2K
- FF Parking 550 lot (Jefferson and Broadway) D6

Academic/Research Buildings

- 1 Billings Administration Building 4F
- 2 Blalock Building 3G
- 3 Bloomberg School of Public Health 31
- 4 Brady Building (offices) 3G
- 5 Bond Street Annex 6B
- 6 Broadway Research Building 1E
- 7 Bunting◆Blaustein Research Building Kimmel Cancer Center 6D
- 8 Children's House 4]
- 9 Cooley Center 3D
- 10 Credit Union 3K
- 11 1830 Building 2H
- 12 Hackerman-Patz House 5]
- 13 Hampton House 3D
- 14 Hunterian Building 1I
- 15 Immunogenetics Laboratories 3L
- 16 Koch Cancer Research Building II 6C
- 17 Pathology Building 3H
- 18 Phipps Building 5H
- 19 Physiology-Biophysics Building 1
- 20 Preclinical Teaching Building PCTB 2I
- 21 Reed Hall 4D
- 22 Rockwell House 5J
- 23 Ross Research Building 2G
- **24** School of Public Health, Satellite Offices **4K**
- 25 School of Nursing, Pinkard Building 51
- 26 Traylor Research Building 1G
- 27 2024 Building 2L
- 28 Turner Auditorium 2G
- 29 Welch Medical Library 2
- 30 Wood Basic Science Building 1
- 31 Woods Research Building (Wilmer) 5F

Important Phone Numbers for The Johns Hopkins Medical Campus

Please note that when dialing from a Johns Hopkins campus phone, the last five digits are all that is necessary. (For example, if you want to reach 410-955-5000, dial only 5-5000).

Admitting

Adult	410-955-6190
Pediatric	410-955-8756
Oncology	410-955-8980

Appointments

10-955-5464
10-955-2000
10-847-3582
10-955-8288

Information

Pastoral Care

General	410-955-5000
Patient	410-502-4000

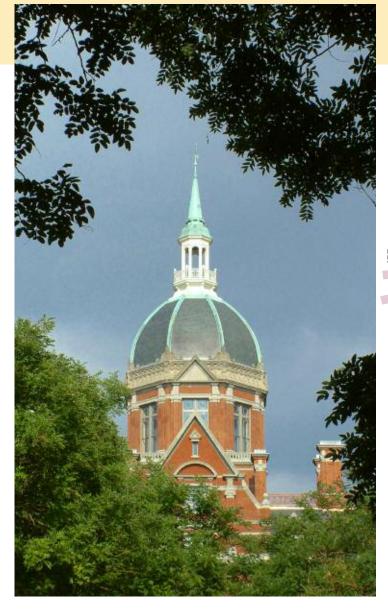
International Patient Services

Within the US	410-955-8032
International	01-410-955-8032
Guest Services	410-614-5100
Lost & Found	410-955-5588
Transportation	443-923-9200
MTA Metro or visit www.mtamaryland.com/ and "Search" under Johns Hopkins.	410-539-5000
Parking	410-955-5333

Patient Accommodation Office	410-614-1911
Patient Relations	410-955-2273
Patient & Visitor Escort On-campus	410-955-5154
Pharmacy – Monument Street	410-502-5735
Pharmacy - Outpatient Center	410-955-3733
Pharmacy – Weinberg Building	410-955-5747
Security	410-955-5585
Social Work	410-955-5885
TTY (for deaf and hearing impaired)	410-955-6446
Volunteer Services	410-955-5924

Johns Hopkins Medical Institutions

Fund for Johns Hopkins Medicine (Gifts)	410-516-6800
School of Medicine	410-955-2196
School of Nursing	410-955-7548
Continuing Medical Education	410-955-5880
Continuing Nursing Education	410-614-3160
Bloomberg School of Public Health	410-955-3543
Kennedy Krieger Institute (affiliate)	443-923-9200



Johns Hopkins Medical Campus

Visitor's Guide



Directions to The Johns Ho



From Washington, D.C., and Virginia and the

I-95 access at BWI Airport

Take I-95 North to Exit 53 (I-395 North) into downtown Baltimore. (Note: Do not take the Martin Luther King Jr. Blvd. fork of the exit.)

Take the Conway Street exit.

Turn LEFT onto MD-2 N / LIGHT ST.

Turn RIGHT onto Pratt Street.

Stay on Pratt for 1.4 miles to Broadway; turn LEFT on Broadway.

From Broadway turn LEFT onto Orleans Street.

Go one block to N. Caroline Street and turn RIGHT.

Follow the signs to patient parking.

The entrance to the Visitor Parking McElderry Street Garage is on the right.

After parking your car, follow signs to the Hospital from

opkins Medical Campus



the Outpatient Center.

From Philadelphia, New York and Northeastern Baltimore Suburbs

Take I-95 South toward Baltimore to Exit 57 (Boston Street and O'Donnell Street).

Proceed on Boston Street approximately two miles and turn LEFT onto Fleet Street.

Follow Fleet Street to Broadway; turn RIGHT on Broadway.

From Broadway turn LEFT onto Orleans Street. Go one block to N. Caroline Street and turn RIGHT. Follow the signs to patient parking.

The entrance to the Visitor Parking McElderry Street Garage is on the RIGHT.

After parking your car, follow signs to the Hospital from the Outpatient Center.

From York, Central Pennsylvania and Northern Baltimore Suburbs

Take I-83 South (Harrisburg Expressway) into Baltimore.

Exit at Fayette Street and turn LEFT.

Follow Fayette toward the medical campus.

Follow Fayette Street to Broadway and turn LEFT.

From Broadway turn LEFT onto Orleans Street.

Go one block to N. Caroline Street and turn RIGHT.

Follow the signs to patient parking.

The entrance to the Visitor Parking McElderry Street Garage is on the RIGHT.

After parking your car, follow signs to the Hospital from the Outpatient Center.

From Annapolis and Maryland's Eastern Shore

From Route 50, take I-97 toward Baltimore and follow I-97 to the Baltimore Beltway (I-695) toward Towson. Take the Beltway to the Baltimore-Washington Parkway (I-295) North.

Follow I-295 into Baltimore (it becomes Russell Street). Turn RIGHT on Pratt Street.

Stay on Pratt for 1.4 miles to Broadway; turn LEFT on Broadway.

From Broadway turn LEFT onto Orleans Street. Go one block to N. Caroline Street and turn RIGHT. Follow the signs to patient parking.

The entrance to the Visitor Parking McElderry Street Garage is on the RIGHT. After parking your car, follow signs to the Hospital from the Outpatient Center.

From Frederick and Western Maryland

Take I-70 East.

Merge onto I-695 S/Baltimore
Beltway outer loop via EXIT 91A
toward I-95 S/Glen Burnie.

Merge onto US-40 E via EXIT
15A toward Baltimore.

Turn LEFT onto N. Broadway.
From Broadway turn LEFT onto
Orleans Street.

Go one block to N. Caroline Street and turn RIGHT. Follow the signs to patient parking.

The entrance to the Visitor

Parking McElderry Street Garage is on the RIGHT. After parking your car, follow signs to the Hospital from the Outpatient Center.

To Park at the Johns Hopkins School of Medicine

Follow the directions at left from your location. Turn LEFT from Broadway past Orleans Street. Go one block and turn RIGHT on Monument Street Continue to Washington Street and turn LEFT. The Washington Garage entrance is on the RIGHT Or continue to Washington Street and turn LEFT on E. Madison. The Rutland Garage entrance is on the LEFT.

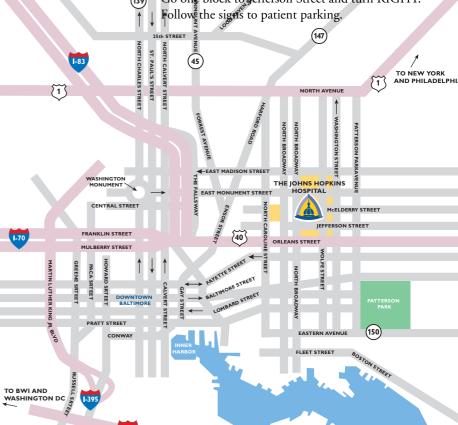
To Park at the Johns Hopkins Kimmel Cancer Center - Weinberg Building

Follow the directions at left from your location.

Turn left from Broadway past Orleans Street.

Go on block to defferson Street and turn RIGHT.

Follow the signs to patient parking.



General Information

Patient and Visitor Services

- **Information Desks** Personnel are stationed at desks throughout the campus to answer questions, provide directions and be of assistance in any way possible.
- **Guest Services** Nelson Lobby, first floor at Wolfe Street entrance, 410-614-5100; Monday through Friday, 9 a.m. to 5 p.m. Provides assistance with directions, hotel and local attractions, special requests.
- Patient Relations Carnegie 100, Monday through Friday, 8:30 a.m. to 5 p.m. Patient Representatives provide information and support to visitors in the critical care and operating room waiting areas, coordinate special requests, and assist with patient concerns and issues. 410-955-2273.
- Patient Services Accommodations
 Please call 410-614-1911 or toll free 800-2252201, 8:30 a.m. to 5 p.m. Monday through
 Friday or visit
 www.hopkinsmedicine.org/patients/hotels.html
- International Patient Services Outpatient Center, Suite 1080, 410-955-8032; Monday through Friday, 8:30 a.m. to 5 p.m. Assists with the special needs of international patients and families, including assistance in obtaining medical appointments, lodging, travel, transportation, interpreters and financial arrangements.
- Lost and Found Security Office Harvey 109, 24 hours, 410-955-5588
- **Sign Language Interpreting** Deaf and hearing-impaired patients can arrange for sign language interpreters or use a TTY (410-955-6446) through the Patient Relations Office,

Carnegie 100, 410-955-2273. TTY also located in Outpatient Center, Level 1 information desk.

- **Interpreter Services** Johns Hopkins has a team of professional interpreters fluent in more than 30 languages. 410-614-4685
- **Visiting Hours** Vary according to the different Hospital units. If you are a patient, or a family member or friend of a patient, ask the nurse on your floor for visiting hours.
- Wheelchairs Available at entrances to the Hospital, Outpatient Center, Weinberg and 550 buildings.
- **Security** Johns Hopkins maintains round-theclock security with Protective Services Officers posted inside and outside all Hopkins buildings who continuously patrol all areas of the campus. For security assistance, call 410-955-5585.

Parking and Transportation Services

- Visitor and Valet Parking is available in the Visitor Parking McElderry Garage on McElderry Street off N. Caroline Street. Valet service is available at the Hospital main entrance on Wolfe Street Circle, Outpatient Center and Weinberg Building. 410-955-5333
- Discounted Parking Coupons are available for patients and visitors who need parking for extended periods. Coupons may be purchased at the cashier's office in the Nelson Building, Outpatient Center cashier's office, Visitor Parking McElderry Garage and the Weinberg Building.
- **Shuttle Services** A patient courtesy shuttle runs every 10 minutes, Monday through Friday, 5 a.m. to 10 p.m., between the Outpatient Center

and the Hospital main entrance (Wolfe Street Circle).

On-call service is available 24 hours a day, seven days a week within the East Baltimore medical campus.

Scheduled shuttle service to the Johns Hopkins Bayview medical campus and Green Spring Station weekdays only. Information on departure/arrival times and wheelchair accessibility is available through the Transportation Office, 6 a.m. to 11 p.m., Monday through Friday, 410-502-6880.

- **Walking Escorts** Protective Services Officers provide a walking escort service around the clock to any point on the East Baltimore medical campus. To request a walking escort, call 410-955-5585.
- MTA Metro A full-service subway station is located between the Outpatient Center and the Hospital at concourse level. Bus service is also available. 410-539-5000 or visit www.mtamaryland.com
- **BWI Airport** For shuttle service to and from BWI Airport, call Baltimore Shuttle Service at 800-258-3826.

Food Services

Main Hospital

Cafeteria Hospital's main lobby level 6:15 a.m. to 7:15 p.m. daily (closed 10:30 a.m. to 11 a.m.)
Limited menu 2 p.m. to 4:15 p.m. Vending machines available 24 hours.

General Information (continued)

EspressOasis Hospital cafeteria 5:30 a.m. to 10 p.m., Monday through Friday; 5:30 a.m. to 7 p.m. Saturday and Sunday

Subway Hospital cafeteria 10 a.m. to midnight, Monday through Friday; 11a.m. to midnight Saturday and Sunday

Tower Terrace Full-service restaurant on the Hospital's main level Lunch. 11 a.m. to 3 p.m., Monday through Friday. Reservations suggested: 410-955-6858

Outpatient Center

Coffee Bar Outpatient Center, Level 1, adjacent to the concourse to the Hospital 7:30 a.m. to 3 p.m., Monday through Friday. *Operated by the Hospital's Women's Board.*

Grille 601 Outpatient Center, Plaza level, 7 a.m. to 3:30 p.m., Monday through Friday

Weinberg Building

Juice and Java Level 1 7:30 a.m. to 4:30 p.m., Monday through Friday

Koch Cancer Research Building II

Me Latte First floor, for visitors who require kosher food. Monday to Thursday, 7 a.m. to 5 p.m. Friday, 7 a.m. to 4:30 p.m. 410-502-2936

Other On-Site Services

• **ATM** Available in the Hospital main lobby across from the Gift Shop. It honors most national networks. ATMs are also available in the main lobby of the Outpatient Center and in the Weinberg Building.

- Chapel/Interfaith Children's Center Lobby (Hospital) and the Weinberg Building, 24 hours a day
- **Pastoral Care Office** Blalock 170, 8 a.m. to 5 p.m., Monday through Friday, 410-955-5842; emergency after hours, 410-955-4331
- **Cultural Events** Johns Hopkins Medicine offers free concerts, recitals, humanities seminars and film series year-round. 410-955-3363. For information on Baltimore's attractions, call the Visitor Information Center, 410-837-4636 or 800-282-6632.
- **Florist** The Flower Cart, Hospital main lobby, 9 a.m. to 5 p.m., Monday through Friday; 10 a.m. to 4 p.m. Saturday; noon to 4 p.m. Sunday. Delivery to patient rooms and wire service around the world.
- **Gift Shops** (operated by the Hospital's Women's Board)

Hospital main lobby, 8:30 a.m. to 4:30 p.m., Monday through Friday; 10:30 a.m. to 3 p.m. Saturday and Sunday; 410-955-5299

Outpatient Center, Level 1, 7:30 a.m. to 3:30 p.m., Monday through Friday

• **Postal Services** Hospital main lobby, 24 hours. Self-service stamp machines, change machines, daily pickup by U.S. Post Office

Optical Shops

Hospital, next to the Wilmer Eye Institute, 410-502-7307

Wilmer Vision Center, Outpatient Center Level 1, 410-955-9373, 8:30 a.m. to 5 p.m., Monday through Friday. On-site optometrist and lab; more than 1,000 frames to choose from; contact lens service

Pharmacies

- Johns Hopkins Pharmaquip, Inc. A rapidfill, complete prescription service that also stocks over-the-counter drugs and supplies.
- Outpatient Center Pharmacy Level 1, 8 a.m. to 6 p.m. Monday through Friday. Phone 410-955-3733 or FAX to 410-614-3733
- Monument Street Outpatient Center Pharmacy 1810 E. Monument St., 8 a.m. to 7 p.m., Monday through Friday; 9 a.m. to 4 p.m. Saturday; phone: 410-502-5735; FAX: 410-502-5734
- Weinberg Outpatient Center Pharmacy Kimmel Cancer Center, 9 a.m. to 7 p.m., Monday through Friday; 10 a.m. to 6 p.m. Saturday and Sunday; phone: 410-955-5747; FAX 410-502-1511

Libraries

- Patient Library Carnegie 173, Monday through Friday, 9:30 a.m. to 4 p.m. Personal computer and Internet access available.
- Family Resource Center and Children's Library Children's Center 301, 10:30 a.m. to 6:30 p.m., Monday through Friday; noon to 5 p.m. Saturday. Medical and health care information for patients and families, children's books, magazines and videotapes; 410-955-6442