Petersburg Medical Center

A brighter tomorrow starts today

It's the dawning of a new day in quality patient care and operational efficiency

Trinity:N/C





Program

Setting the Stage

Introductions
National Expertise & Local Knowledge
Our Purpose for Planning & Design of Rural Health

Mapping our Course

Exploring Challenges & Opportunities for your Replacement Hospital Mapping the Future with Confidence
Planning a Hospital that is Accessible, Affordable & Adaptable

Seeing it Through

Your Steward for a Successful Project







Dan Kurtz Principal-in-Charge



Jill Kurtz Project Management



Bob Gesing
Analytics, Programming
& Planning



Elizabeth Sandberg, FNP-C Clinical Consulting and Integration



Amy Wessel Strategy & Lean Operational Planning



Jill Woods Experiential Planning & Design



Boris Srdar Lead Architectural Design



CAH and Rural Healthcare Organizations We've Been Honored to Guide

STATE	САН	RURAL
Alabama	1	*
Alaska	*	2
Delaware	*	1
Florida	*	1
Hawaii	1	*
Idaho	6	*
Illinois	2	4
Kentucky	*	1
Michigan	1	*
Minnesota	*	1
Missouri	4	2



STATE	САН	RURAL
Montana	2	1
North Dakota	1	*
Ohio	9	11
Oregon	1	*
Pennsylvania	2	2
South Carolina	*	2
Texas	*	3
Vermont	1	*
Washington	15	2
West Virginia	1	*
Total	47	35



We Understand That Rural Healthcare is Very Different

CASE IN POINT:

Memorial Hospital

Rural Idaho

EXPERTS SAY:

Concentrate Services at High-Acuity Hubs



BUT THE REALITY IS:

Many Patients Stop
Treatment Due to Travel

Focus on Digital Connectivity



More Than Half of the County Lacks Mobile Phone Service

Expand Primary Care Services



The County is in a Healthcare Provider Shortage Area









Getting to Know You

- I grew up here; I have 2 children under age 10 and provide inhome nursing care
- A native of Montana, I relocated here for the natural beauty; I am a math teacher for the high school
- I am married and a 3rd generation salmon fisherman
- I am single and serve aboard the USCGC Pike
- I am member of the Tlingit tribe;
 I work for Sealaska in the oceanbased food business



















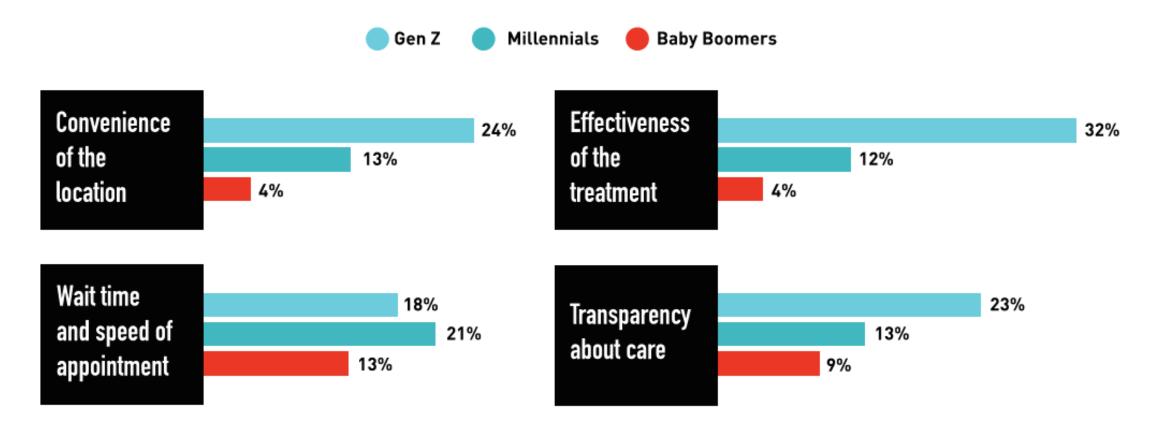
Involving your Community

- Surveys, Focus Groups, Town Hall Meetings, Advisory Group to follow through the entire process
- Engaging the community builds trust and ownership. Those involved become ambassadors.





Issues that Impact our Health and Choices

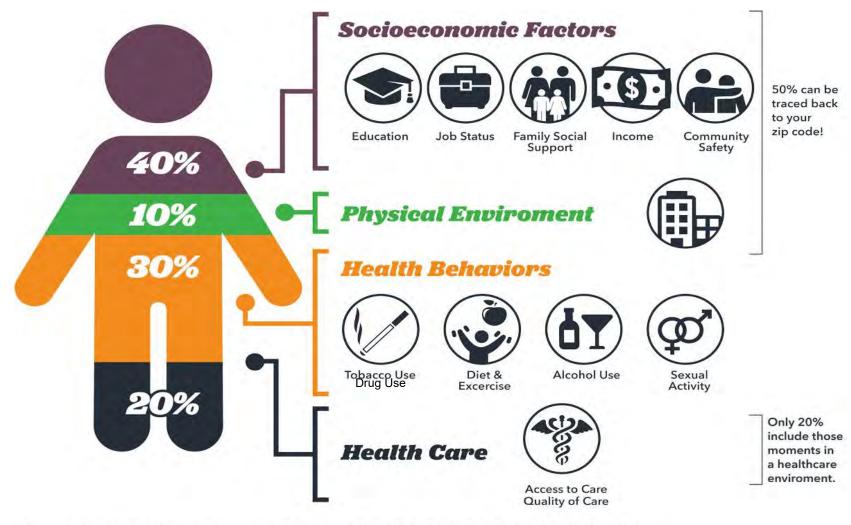


Showing % respondents who answered "Dissatisfied" and "Very Dissatisfied" regarding traditional healthcare

SOURCE: Accenture 2019 Digital Health Consumer Survey, U.S. Results



80% of What Makes Up Someone's Health is Determined by What Happens Outside of the Hospital and Health Clinic



Source: Institute for Clinical Systems Improvement, Going Beyond Clinical Walls: Solving Complex Problems (October 2014)



Remarkable Healthcare Builds Self-Sufficient Communities That Thrive



TOMWhite Male
Late 60s
Retail Owner



MARIA
Black Female
Late 40s
Data Center
Technician



EMILY
White Female
Mid 30s
Social Worker &
Mom of 3



DAVE Male 20s Fisherman



MARY

AGE: 81 GENDER: Female LOCATION: 99833

MEDICAL HISTORY: Rheumatoid Arthritis, CHF, Breast Cancer Survivor

PAYER: Medicare / Co-Insurance

THREE THINGS I VALUE THE MOST

- Confidence in the Provider's Expertise
- Diagnostics are Reviewed with Me
- My Provider Knows & Cares About Me

3

THREE THINGS I VALUE THE LEAST

- Extended Hours
- My Mental Health Needs Considered
- Reasonable Wait Time

DID YOU KNOW ...



Prefer one provider coordinating my healthcare needs



My out-of-pocket expenses & premiums are important to me



I don't get around well & don't like to drive in traffic

HOW I FEEL ABOUT HO LOYALTY & REFERRALS TO

- I want my PCP to know my medical history and care about me as a person
- I am loyal to my PCP
- Travel distance is more important than following a referral or hospital affiliation

HOW I TALK TO MY PCP



WHAT I'LL PAY MORE FOR

- I will pay more for healthcare services if my health improves
- I am less likely to pay more for receiving specific treatments
- I should not pay more for having my mental health needs considered as part of my care

THINGS THAT WILL MOST LIKELY MOTIVATE ME TO MOVE TO A NEW PRIMARY CARE PROVIDER

- I will have no out-pf-pocket costs
- PCP makes sure I understand illness & treatment plan
- PCP guarantees I always see them at my appointment
- PCP shows respect & patience with patients & families
- PCP guarantees a wait time of less than 15 minutes

MOST DESIRABLE / IMPORTANT THINGS TO ME OFFERED AS PART OF-DEMAND SERVICES







In-network



LEAST DESIRABLE / IMPORTANT THINGS TO ME OFFERED AS PART OF-DEMAND SERVICES



Stylish waiting area or decor



Affiliation with my hospital



Don't know prices until I get a bill



Crafting an Extraordinary Patient Experience

Crafting the Experience

More than a building

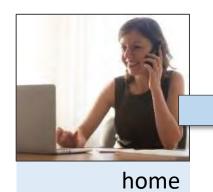
operations

It doesn't begin once you arrive

design

 Thinking, empathetically, about each step of the journey

operations and design





traveling









destination



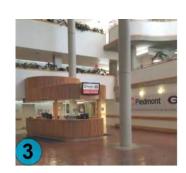


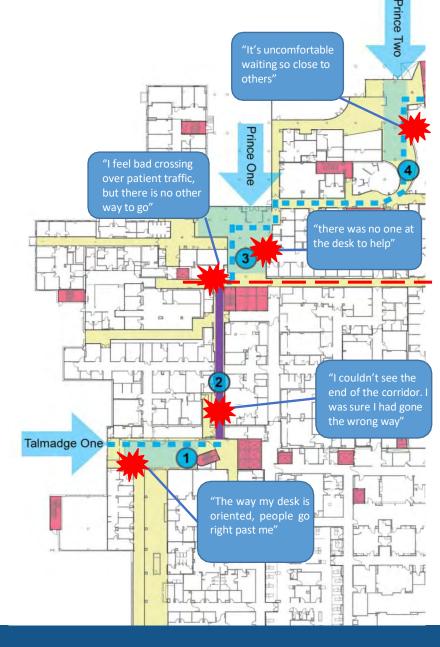
Learning from where you are

- Visit and study your existing facility
- Identify what is working well that we want to build upon
- Identify things that may not work well but have become accepted
- This study looks at circulation, adjacencies, views, operations and all things that impact the experience











Everything Impacts our Experience

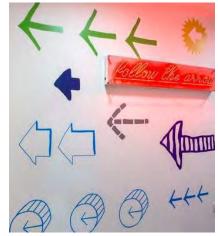
Providing patients with control over their experience reduces stress and builds confidence

- Offer options for passing time and respite
- Ensure safety & cleanliness without going institutional
- Enable everyone to intuitively find the way
- Infuse playfulness and positivity into the design



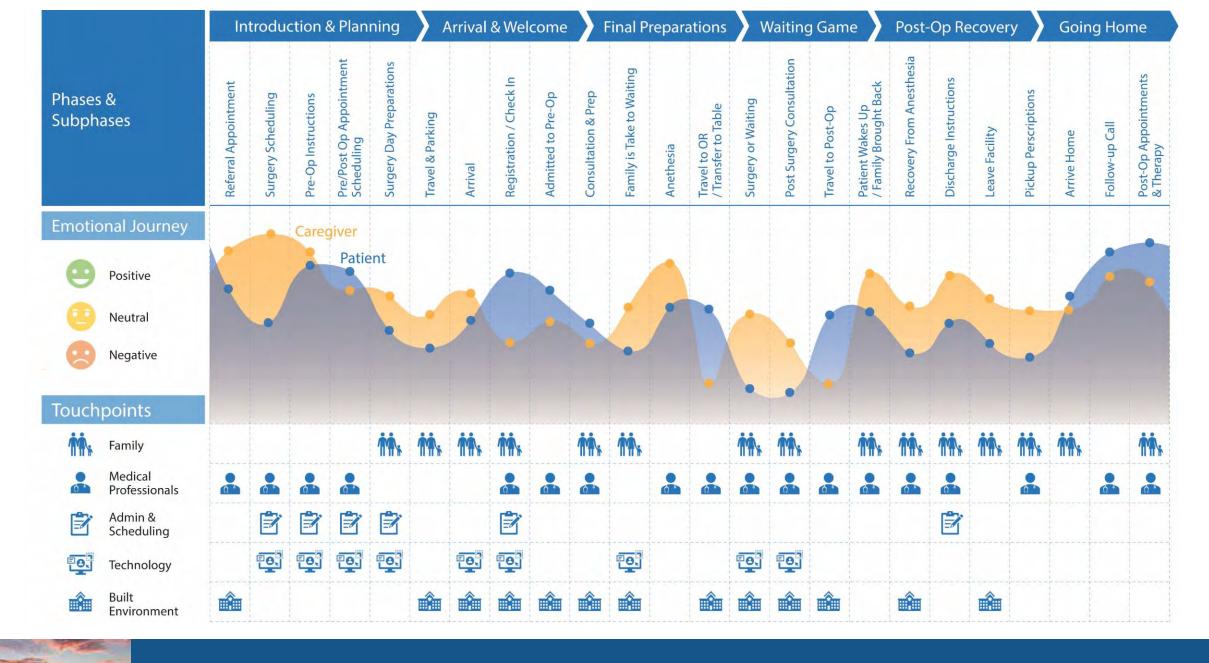












Caregiver Experience

Just as much, if not more, thoughtfulness needs to go into the experience of those providing care

- Provide exposure to daylight and access to nature
- Design to make work easier and more efficient
- Ensure safety and security
- Consider ergonomics in all decisions
- Effortless access to respite spaces to recharge and refresh
- Provide amenities and flexibility to make life easier









Evolving Needs & Expectations



DOOMEDS

Dedicated, Assigned

Environments, Hierarchy



CEN V





Shared Spaces, Egalitarianism

What matters to today's workforce is different than what matters to the workforce of the future

ROOMEK2	GEN X	WILLENNIAL	GEN Z
Ambitious, Loyal, Work-Centric	Entrepreneurial Spirit	Socially Aware	Practical and Have High Expectations
Goal-Oriented	Independent Mindset	Culture Extremely Important	Motivated By Ensuring a Secure Life Out of Work
Value Expertise Over All Else	Work-Life Balance	Seek Team-Based Collaboration	Seeking Something Outside of Themselves
Late Technology Adopters		-	Digital Natives



Two Simple but Powerful Questions...







"What if"? and "Why not"?



We Understand Generational Needs and Requirements: Generation Z (Born 1997-2011)

- 18-23yrs: Account for 82 of the 330 Million Americans or ~27%
- Use more primary care than other age groups, but not in a traditional clinic setting
- Likely to stick with what they know or try first
- Spread their preferences across more clinic features
- Willing to pay extra for special treatment

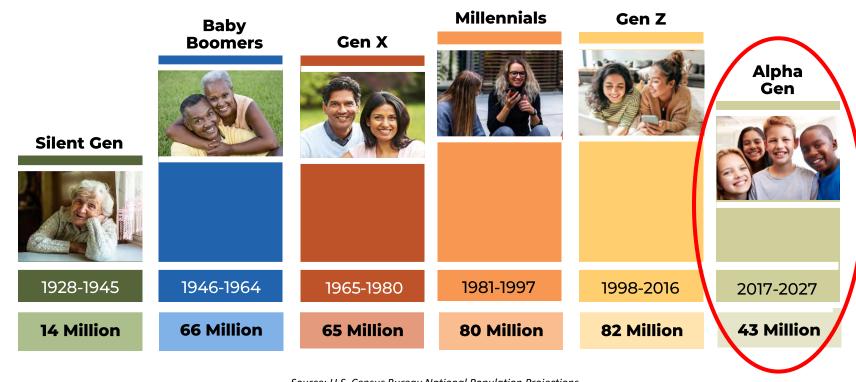




On the Horizon are the Preferences and Expectations of the Alpha Generation

- Born at a time when technological devices are getting smarter.
- Everything is connected, and the physical and the digital are coming together.
- New technologies will become part of their lives, experiences, attitudes and expectations of the world.
- Anticipate more virtual visits, immediate access requirements.

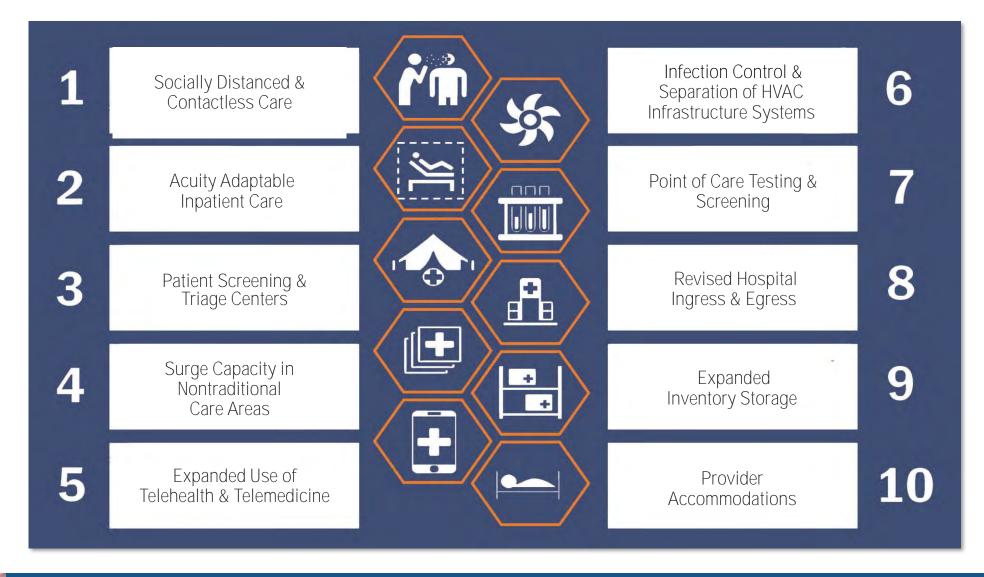
By 2027, There Will Be Six Generations of Consumers in the Marketplace



Source: U.S. Census Bureau National Population Projections



Applying what was Learned from COVID





Major Post-Covid Impacts

· 70%

· 11%

· 25%



- Reduced in-person visits
- Less in-person rooms
- Increased telehealth consults



Creating Solutions for What's Next

STRATEGY

EXPERIENCE

STEWARDSHIP

OPERATIONS

INTEGRATION























Creating Solutions for What is Today...and Tomorrow



Virtual Medicine



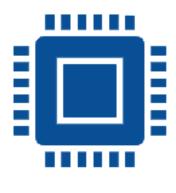
Concierge Medicine



Precision Medicine



Implantable Sensors



3D Bio-Printing



Super SNFs Enhanced ALs



Hospital at Home

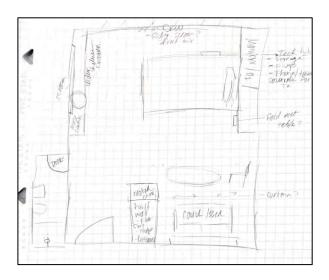


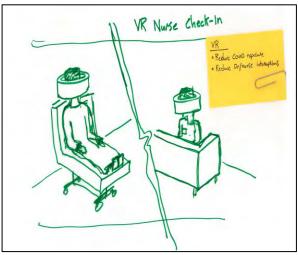
Curve 2 Value Based Care

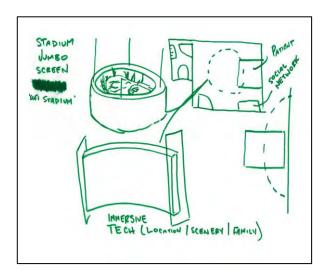


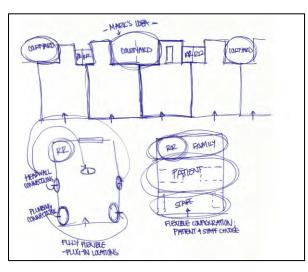
Collaborating with Graduate Level Subject Matter Experts and Clinicians to Bridge Architecture and Public Health

- **Teaming Examples**: Seasoned and New Clinicians, Epidemiology Students, Master of Public Health (MPH), Master of Health Administration (MHA)
- Impact Examples: Patient Room of the Future, Virtual Reality Check-In



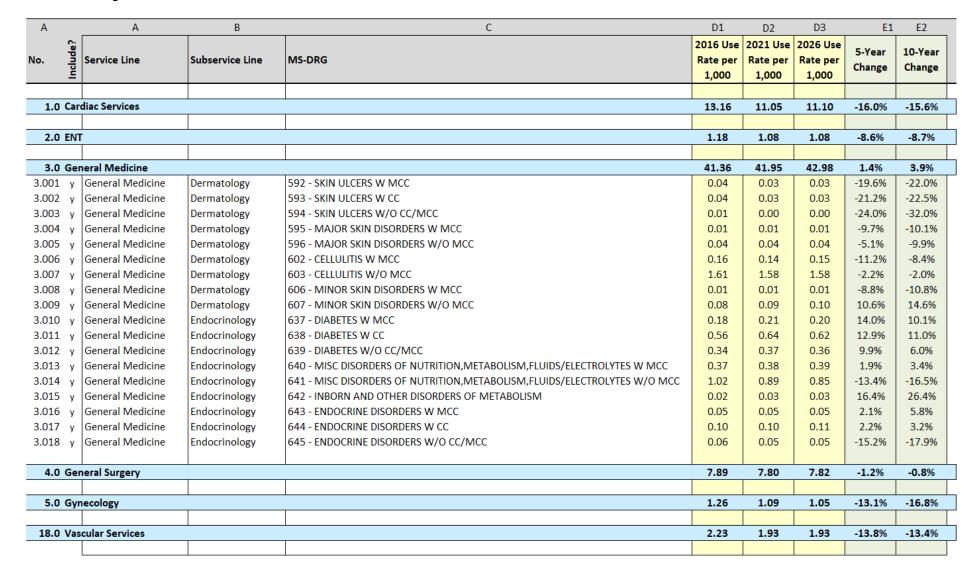








Market Dynamics





- Market Dynamics
- Best Practice Metrics

									LOS pe	r Acuity		ALOP	(min)	Diagno	stics Uti	lization			
Hospital Groupings (number of annual visits)	No. of Sites	Hi CPT Acuity	Under Age 2	Under Age 18	Transfer %	LWBS	% EMS Arrival	MLOS Fast Track	MLOS Treat & Release	MLOS Admit	Median LOS	Door to Bed	Door to Doc	EKG % Visitis	Radiology % visits	CT % Visits	Admit %	% Hosp Admits thru ED	Average Annual Utilization
Total All EDs	894	61%	4.9%	22%	1.8%	1.9%	16%	107	142	276	168	15	29	2.9	0.5	0.2	17%	64%	1,561
> 100,000	18	66%	5.2%	20%	1%	2%	23%	127	182	356	214	23	31	30%	49%	23%	22%	67%	1,422
80,000 to 100,000	28	71%	5.3%	18%	1%	3%	21%	103	187	362	218	21	38	25%	42%	22%	21%	61%	1,606
60,000 to 80,000	78	66%	4.5%	18%	1%	3%	19%	128	174	337	205	21	35	31.2	51%	26%	21%	65%	1,561
40,000 to 60,000	164	65%	4.4%	20%	1%	2%	18%	106	156	303	186	18	33	28%	50%	24%	19%	65%	1,621
20,000 to 40,000	299	63%	4.7%	20%	2%	2%	16%	101	134	261	160	14	28	26%	49%	21%	17%	68%	1,641
< 20,000	200	55%	4.5%	24%	3%	1%	12%	105	115	227	139	9	23	20%	45%	18%	13%	70%	1,391
Pediatric EDs	25	48%	23%	99%	1%	1%	8%	104	132	270	147	16	31	5%	31%	6%	11%	60%	1,792
Adult, Specialty EDs	43	71%	0%	3%	1%	3%	23%	130	204	346	240	28	40	34%	48%	27%	25%	60%	1,389
UC/Free Standing ED	39	41%	4%	24%	3%	1%	7%	90	97	240	100	9	22	12%	39%	15%	4%	0%	1,650



- Market Dynamics
- Best Practice Metrics
- Operational Characteristics

	A1	A2	А3	A4	A5	A6	A7	A8	A9	B1	C1	D1
Service Line/Procedure	Days of Operation	Peak Days of Operation	Peak Days Percent	Monthly Peak Percent	Peak Month Percent	Peak Hours	Peak Hour Percent	Avg Length of Procedure (hours)	Schedule Variability %	Annual Utilization	Area (sf)/ Driver	Parking Spaces per 1,000sf
Cardiovascular/Pulmona	ry		<u> </u>				<u> </u>					3.5
Echocardiography	254.0	254.0	100.0%	9.5%	95.0%	10.0	100.0%	1.00	80.0%	2,130	800	3.5
EKG	254.0	254.0	100.0%	9.5%	95.0%	10.0	100.0%	0.25	80.0%	8,530	500	3.5
Nuclear Cardiology	254.0	254.0	100.0%	9.5%	95.0%	10.0	100.0%	1.50	85.0%	1,510	1,200	3.5
Pulmonary Function	254.0	254.0	100.0%	9.5%	95.0%	10.0	100.0%	1.00	80.0%	2,130	500	3.5
Respiratory Therapy	254.0	254.0	100.0%	9.5%	95.0%	10.0	100.0%	0.50	80.0%	4,270	500	3.5
Stress Test	254.0	254.0	100.0%	9.5%	95.0%	10.0	100.0%	0.75	80.0%	2,840	800	3.5
Vascular	254.0	254.0	100.0%	9.5%	95.0%	10.0	100.0%	1.00	80.0%	2,130	800	3.5
Emergency												3.5
Level 1 (urgent)	365	365	100%	9.0%	95%	16.0	85%	1.5	85%	4,060	700	3.5
Level 2 (semi-urgent)	365	365	100%	9.0%	95%	16.0	85%	3.0	85%	2,030	700	3.5
Level 3 (non-urgent)	365	365	100%	9.0%	95%	16.0	85%	3.5	85%	1,740	700	3.5
Level 4 (emergent)	365	365	100%	9.0%	95%	16.0	85%	4.0	85%	1,520	700	3.5
Blended Average	365	254	85%	9.0%	95%	16.0	85%	3.0	85%	1,660	720	3.5
Hospital Imaging												1.5
Radiology	365.0	254.0	85.0%	8.3%	95.0%	16.0	100.0%	0.40	90.0%	11,150	1,000	1.5
CT Scan	365.0	254.0	85.0%	8.3%	95.0%	16.0	100.0%	0.50	90.0%	8,920	1,500	1.5
MRI	365.0	254.0	100.0%	8.3%	95.0%	16.0	100.0%	1.00	90.0%	3,790	2,500	1.5
Ultrasound	365.0	254.0	85.0%	8.3%	95.0%	16.0	100.0%	0.75	90.0%	5,950	800	1.5
Nuclear Medicine	365.0	254.0	85.0%	8.3%	95.0%	16.0	100.0%	1.50	90.0%	2,970	1,200	1.5
Special Procedure	365.0	254.0	85.0%	8.3%	95.0%	10.0	100.0%	2.00	90.0%	1,390	1,800	1.5



- Market Dynamics
- Best Practice Metrics
- Operational Characteristics
- Area Benchmarks

No. Program	Vancouver WA	Denver CO	Pittsburgh PA	Columbus OH	Dublin OH	US Average	Sistersville WVA
Area/Department	SF/Bed	SF/Bed	SF/Bed	SF/Bed	SF/Bed	SF/Bed	SF/Bed
1.0 Inpatient Services	682	721	774	778	927	776	850
2.0 Diagnostic & Treatment	302	433	466	454	450	421	645
_							
3.0 Emergency	99	85	178	128	89	116	210
A C Command Complete	204	222	350	227	206	360	200
4.0 Support Services	204	232	250	327	286	260	390
5.0 Administration & Public	109	193	200	174	169	169	240
5.0 Administration & Fublic	103	193	200	1/4	103	103	240
6.0 Building Services	146	81	130	186	180	145	450
7.0 Total DGSF	1,540	1,745	1,996	2,046	2,103	1,760	2,785
8.0 BGSF Factor	1.40	1.30	1.30	1.30	1.18	1.33	1.35
9.0 Total BGSF (rounded)	2,150	2,270	2,590	2,650	2,480	2,300	3,760



- Market Dynamics
- Best Practice Metrics
- Operational Characteristics
- Area Benchmarks
- Capital Investment Data

	A1	A2	B1	C1	C2	D1	D2	D3	E1	E2	F1	F2	G1	G2	H3	
	5:		œ.		nstruction Budget	Medica	al Eq	uip (Note 1)	Furnishings Allowance			rtwork lowance	Signage Allowance		IT Allowance	
No. Program/Department		Phase	Total Area (SF)	Construction \$/SF	Estimated Total Cost (rounded)	Unit Cost	Unit Need	Total Allowance \$ (rounded)	\$/ DGSF	Total Allowance \$ (rounded)	\$/ DGSF	Total Allowance \$ (rounded)	Cost %	Total Allowance \$ (rounded)	Total Allowance \$ (rounded)	
1.0 Emergency Care	у		9,000	\$400	\$3,600,000	\$20,000	10	\$200,000	\$20	\$180,000	\$5	\$45,000		\$17,400	\$252,000	
1.01 Emergency Care	у	one	9,000	\$385	\$3,470,000	\$20,000	10	\$200,000	\$20	\$180,000	\$5	\$45,000	0.5%	\$17,400	\$252,000	
1.02 Site Development (acres)	y	one	0.5	\$5.74	\$120,000	\$0	0	\$0	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	
2.0 Ambulatory Care Center	у		31,975	\$378	\$12,100,000	\$951,000	32	\$3,805,000	\$19	\$623,000	\$5	\$161,000		\$52,800	\$876,000	
2.01 Non-invasive Cardiology	у		5,375	\$335	\$1,800,000	\$96,667	6	\$580,000	\$25	\$134,000	\$5	\$27,000	0.5%	\$9,000	\$151,000	
2.02 Lab	v	one	1,500	\$335	\$500,000	\$0	4	\$0	\$20	\$30,000	\$5	\$8,000	0.0%	\$0	\$23,000	
2.03 Infusion/Transfusion	У	one	2,300	\$320	\$740,000	\$5,000	4	\$20,000	\$20	\$46,000	\$5	\$12,000	0.5%	\$3,700	\$64,000	
2.03 Nephrology	У.	one	0	\$335	\$0	\$15,000	0	\$0	\$20	\$0	\$5	\$0	0.5%	\$0	\$0	
2.04 Neurology	У	one	600	\$335	\$200,000	\$15,000	1	\$15,000	\$20	\$12,000	\$5	\$3,000	0.5%	\$1,000	\$17,000	
2.05 Oncology	У	one	9,800	\$310	\$3,040,000	\$15,000	8	\$120,000	\$20	\$196,000	\$5	\$49,000	0.5%	\$15,200	\$274,000	
2.06 Pain Management	n	0	0	\$335	\$0	\$5,000	0	\$0	\$20	\$0	\$5	\$0	0.5%	\$0	\$0	
2.07 Physical Therapy/Rehabilitation	n	0	0	\$335	\$0	\$15,000	0	\$0	\$15	\$0	\$5	\$0	0.5%	\$0	\$0	
2.08 Podiatry	n	one	0	\$335	\$0	\$15,000	0	\$0	\$20	\$0	\$5	\$0	0.5%	\$0	\$0	
2.09 Psychiatry	n	one	0	\$335	\$0	\$15,000	0	\$0	\$20	\$0	\$5	\$0	0.5%	\$0	\$0	
2.10 Diagnostic Imaging	У	one	12,400	\$385	\$4,770,000	\$341,111	9	\$3,070,000	\$15	\$186,000	\$5	\$62,000	0.5%	\$23,900	\$347,000	
2.101 Bone Densitometry	У					\$80,000	1	\$80,000								
2.102 CT	У					\$850,000	1	\$850,000								
2.103 Mammography	У					\$90,000	1	\$90,000								
2.104 MRI	У					\$1,200,000	1	\$1,200,000								
2.105 Nuclear Medicine	У					\$140,000	1	\$140,000								
2.106 PET	n					\$2,000,000	0	\$0								
2.107 Ultrasound 2.108 X-Ray	y					\$130,000 \$225,000	2	\$260,000 \$450,000								
4.02 Site Development (acres)	v	one	4.3	\$5.74	\$1,070,000	\$225,000	0	\$450,000	\$0	\$19,000	\$0	\$0	0.0%	\$0	\$0	
5.0 Hospital (30 IP + 10 OBS beds)		two	140,008	\$485	\$72,000,000		40	\$1,400,000		\$2,800,000		\$280,000		\$350,000	\$3,920,000	
5.01 Hospital	У		140,000	\$500	\$70,000,000	\$35,000	40	\$1,400,000	\$20	\$2,800,000	\$2	\$280,000	0.5%	\$350,000	\$3,920,000	
5.02 Site Development (acres)	У		8.03	5.74	2010000.00											

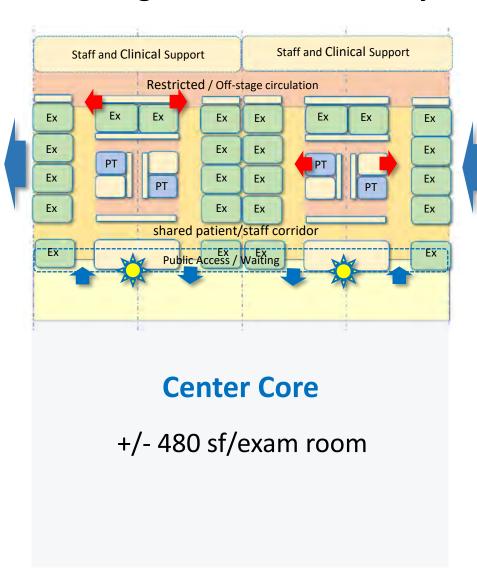


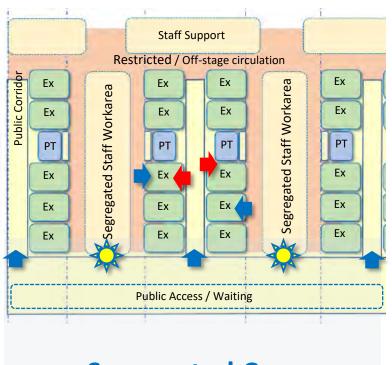
- Market Dynamics
- Best Practice Metrics
- Operational Characteristics
- Area Benchmarks
- Capital Investment Data
- Iterative Program Modeling

				Facility 8	Site Requirem	ents		
			A1	A2	A3	A4	A5	
	Service No. Line/Modality	Include?	Planned Service Units	Benchmark (SF) per Service Unit	Targeted Facility Area	Parking Ratio (spaces / 1000sf)	Parking Need	Capital Investment Estimate
Pr	ogram Services Summary							
1	Cardiovascular	У	9	922	8,300	3.5	29	\$5.7
2	Diagnostic Imaging	y	6	1,367	8,200	3.5	29	\$11.4
3	Immediate Care	y	8	650	5,200	4.0	21	\$3.1
4	Interventional	y	6	3,133	18,800	3.5	66	\$16.1
5	Physical Rehabilitation	y	9	400	3,600	4.0	14	\$2.1
6	Wound/Chronic Care	y	10	380	3,800	0.0	11	\$2.4
7	Hospital	у	40	3,443	137,700	0.0	0	\$41.5
8	Adult Physician Practices	у	54	502	27,000	5.0	135	\$15.8
9	Building S&C / Infrastructure	у		23%	66,400	0.0	0	\$1.9
	Total Health System (rounded)				279,000	2.4	658	\$100.0
10	Retail/3rd Party	у			239,200	1.8	432	
Ph	ase One (rounded)			Site (Acres)	610,000	1.8	1,090	
	Health System			11.02	368,000	1.8	658	\$100.0
	Retail/3rd Party			8.60	239,000	1.8	432	



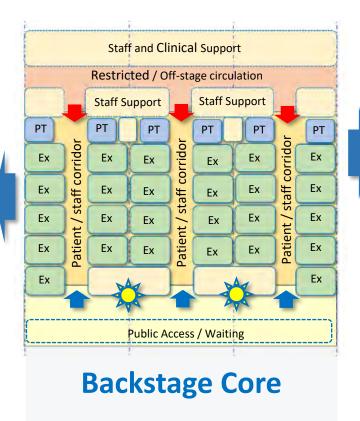
Planning that Drives Efficiency and Innovation





Segregated Core

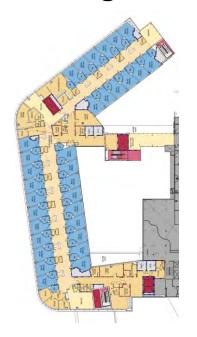
+/- 450 sf/exam room



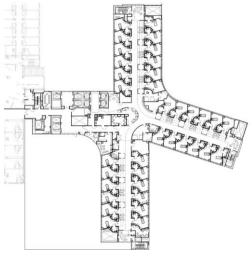
+/- 420 sf/exam room



Planning that Drive Efficiency and Innovation









POINT OF CARE NURSING UNIT Total Beds: 32 – ICU

TOTAL FLOOR PLATE 29,000 SF 906 SF SF PER ROOM (32):

CENTRAL SUPPORT SF: 5,050 SF 1,250 SF **POINT OF CARE SUPPORT SF:** 6,300 SF TOTAL SUPPORT: 197 SF SUPPORT SF / ROOM (32)

6,300 SF **CIRCULATION** CIRCULATION SF / ROOM (32) 197 SF

1,300 SF **BUILDING SUPPORT BUILDING SUPPORT SF / ROOM (32)**

POINT OF CARE NURSING UNIT Total Beds: 32 – ICU

TOTAL FLOOR PLATE 31,000 SF SF PER ROOM (32): 966 SF

CENTRAL SUPPORT SF: 4,650 SF POINT OF CARE SUPPORT SF: 1,220 SF TOTAL SUPPORT: 5.870 SF SUPPORT SF / ROOM (32) 183 SF

CIRCULATION SF / ROOM (32) 245 SF **BUILDING SUPPORT** 1.736 SF BUILDING SUPPORT SF / ROOM (32) 54 SF

CIRCULATION

POINT OF CARE NURSING UNIT Total Beds: 32 – ICU

TOTAL FLOOR PLATE 30.000 SF SF PER ROOM (32): 937 SF

CENTRAL SUPPORT SF: 4,750 SF **POINT OF CARE SUPPORT SF:** 1,200 SF 5,950SF TOTAL SUPPORT: SUPPORT SF / ROOM (32) 185 SF

6680 SF CIRCULATION CIRCULATION SF / ROOM (32) 209 SF

1,770 SF

55 SF BUILDING SUPPORT SF / ROOM (32)

BUILDING SUPPORT

POINT OF CARE NURSING UNIT Total Beds: 36 – ICU

TOTAL FLOOR PLATE 32,000 SF SF PER ROOM (36): 887 SF

4,450 SF **POINT OF CARE SUPPORT SF:** 1,220 SF TOTAL SUPPORT: 5.670 SF SUPPORT SF / ROOM (36) 158 SF

CENTRAL SUPPORT SF:

CIRCULATION 7,800 SF CIRCULATION SF / ROOM (36) 245 SF

BUILDING SUPPORT 1.420 SF BUILDING SUPPORT SF / ROOM (36) 40 SF

POINT OF CARE NURSING UNIT Total Beds: 34 – ICU

TOTAL FLOOR PLATE 25,000 SF SF PER ROOM (34): 724 SF

CENTRAL SUPPORT SF: 3,200 SF

POINT OF CARE SUPPORT SF: 1,125 SF TOTAL SUPPORT: 4,325SF SUPPORT SF / ROOM (34) 127 SF

CIRCULATION 5,278 SF CIRCULATION SF / ROOM (34) 155 SF

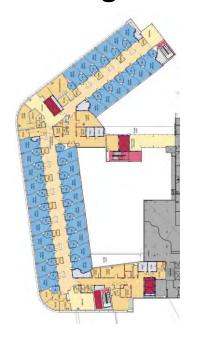
BUILDING SUPPORT 400 SF BUILDING SUPPORT SF / ROOM (34) 12 SF

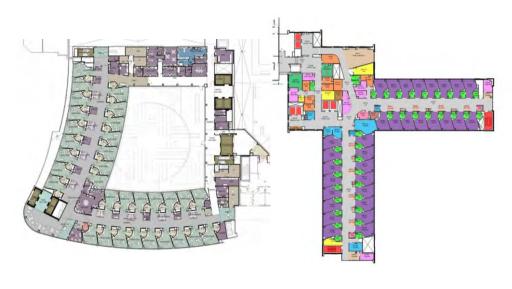


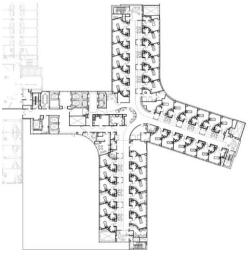
Rightsizing & Lean Operations

7.800 SF

Planning that Drive Efficiency and Innovation









STAFF STATION / PATIENT	Τ
SERVER	15'
MEDS	45'
EQUIPMENT / SUPPLY	55 '
NOURISHMENT	65'
CENTRAL – FROM UNIT	130′
CENTRAL – FROM ELEV	55 ′

STAFF STATION / PATIENT	Г
SERVER	15'
MEDS	55'
EQUIPMENT / SUPPLY	55 ′
NOURISHMENT	115'
CENTRAL – FROM UNIT	160'
CENTRAL – FROM ELEV	75'

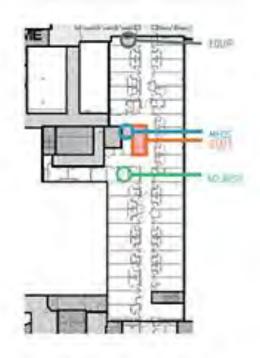
STAFF STATION / PATIENT	
SERVER	15'
MEDS	115'
EQUIPMENT / SUPPLY	55'
NOURISHMENT	170'
CENTRAL – FROM UNIT	150'
CENTRAL – FROM ELEV	50'

STAFF STATION / PATIEN	Т
SERVER	15
MEDS	55
EQUIPMENT / SUPPLY	55
NOURISHMENT	135
CENTRAL – FROM UNIT	155
CENTRAL – FROM ELEV	115

STAFF STATION / PATIEN	Т
SERVER	10'
MEDS	75'
EQUIPMENT / SUPPLY	15'
NOURISHMENT	130′
CENTRAL – FROM UNIT	75 ′
CENTRAL – FROM ELEV	210′



Planning that Drive Efficiency and Innovation



EXISTING MODEL: BASELINE

MEDS 🐸	STAFF (1)
11 MIN	27 MIN
EQUIP (NOUR (
7.3 MIN	2.7 MIN



RACETRACK MODEL: 9% EFFICIENCY GAINED

MEDS 🥌	STAFF 🎥
7.1 MIN	15 MIN
EQUIP (L)	NOUR (L)
5.7 MIN	2 MIN



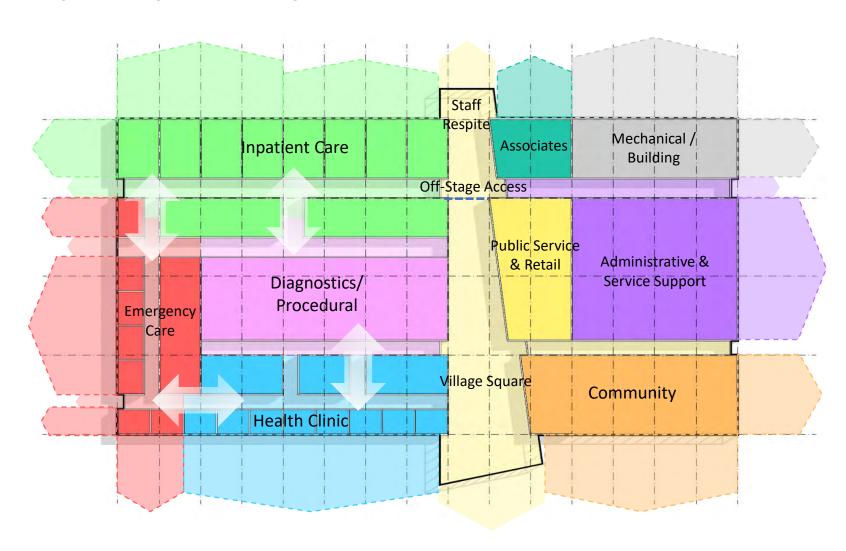
POINT-OF-CARE MODEL: 46% EFFICIENCY 94

MEDS 🌑	STAFF 4
5.5 MIN	11 MIN
EQUIP (NOUR (1)
4.7 MN	2 MIN



Bringing it All Together for Adaptability, Efficiency & Growth

- "Dismantle" traditional departments
- Reduces redundancies
- Leverages staff resources
- Centralize functions
- Modularize organization
- Organize to allow incremental growth



Process is Interactive & Collaborative - 3P Visioning Workshops









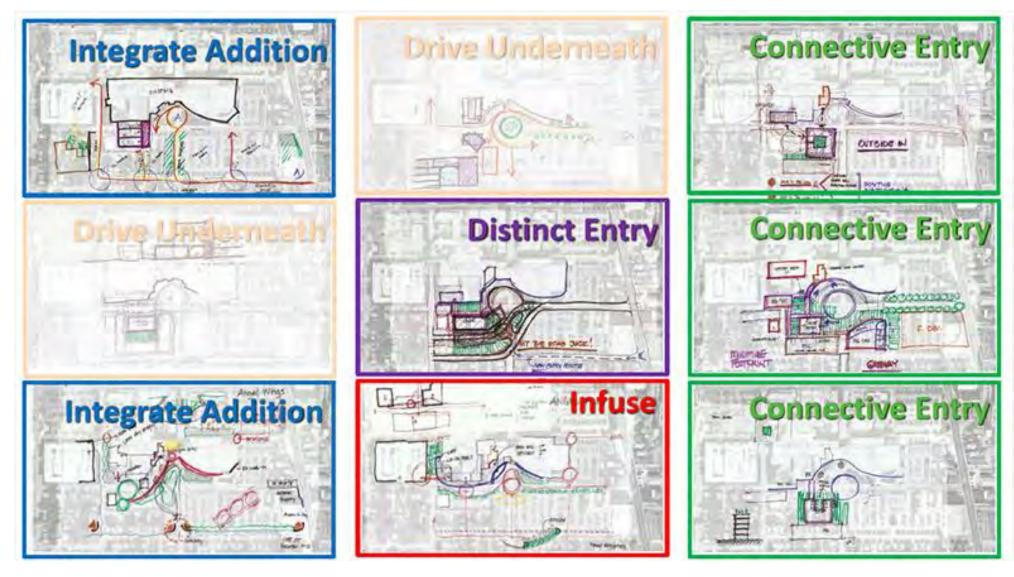






Rightsizing & Lean Operations

Builds Synergy...Challenges Preconceived Notions...Drives Innovation



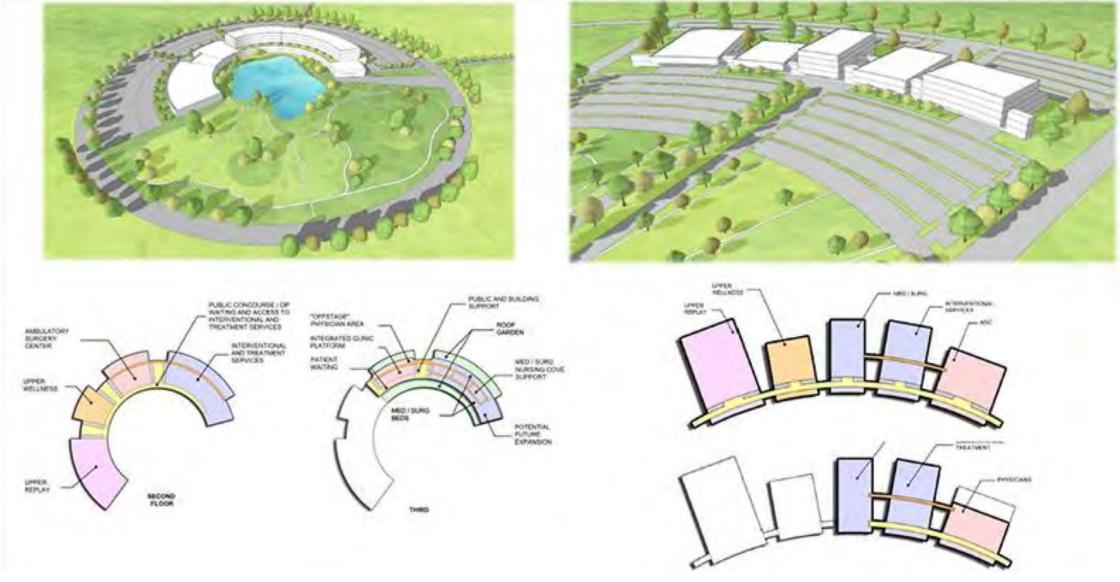


Builds Consensus...Solution presents itself!

Rapid Storming Scenarios Infused Addition **Integrated Addition Connective Entry Distinct Entry** "Looking in" "Angel Hug" "Juliette" "The Wrap" **Conceptual Plan Evaluation Criteria** 3 Creates Campus Feel 3 Does not complicate Main Entry Infuses Nature into Campus and Facility Creates Distinct Center 3 3 3 Easy Access + Intuitive Wayfinding Feels Integrated + Comprehensive Completes Image of Hospital Incremental & Expandable Impact during Construction 10 Cost 39 57 56 **Total Score** 48 **Scenario Ranking** 3 4 2



Creates a Foundation for a Holistic and Responsive Design...







Planning



Assessment Galleries

One-way flow

Adaptable Segregated Waiting Options

Technology



Modularity for walls, casework & work areas

Motion & Voice-activated components

Materiality



Products & details that prevent bacterial growth

Durable & easily maintained

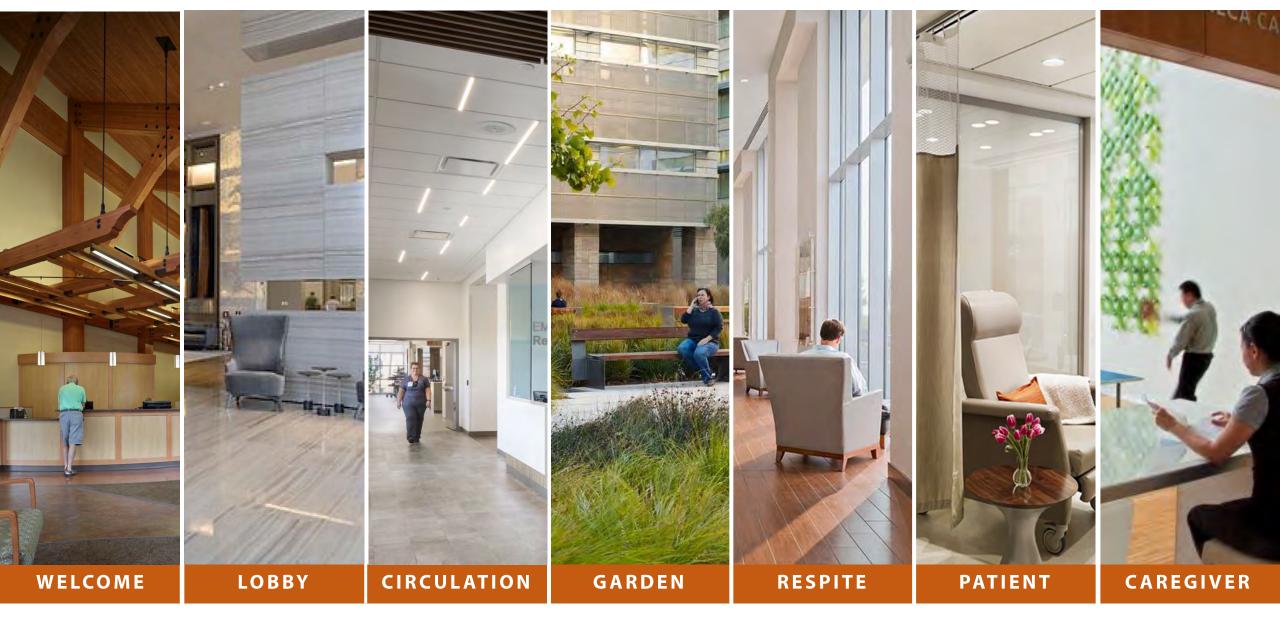
Lessons learned



Design that:

- Creates a Sense of Place
 Unique to Petersburg
- Invites the Community
- Elevates the PMC Brand
- Orchestrates & Enhances
 Experiences
- Promotes "Be Well"
- Catalyzes Renewal









Welcome for the Community From arrival to the site

- Reassuring
- Familiar

- A Petersburg Landmark
- Reaffirming Brand







Welcoming Arrival Humanizing the experience

- Reassuring
- Familiar

- A Petersburg Landmark
- Reaffirming Brand









Welcoming Arrival Humanizing the experience

- Reassuring
- Familiar

- A Petersburg Landmark
- Reaffirming Brand







- Reassuring
- Appropriate Scale
- A Petersburg Landmark
- Reaffirming Brand











Welcoming Arrival Authentic to Petersburg

- Reassuring
- Appropriate Scale

- Maximizing land use
- Reaffirming Brand









Welcoming Arrival Authentic to Petersburg

- Reassuring
- Appropriate Scale

- Maximizing land use
- Reaffirming Brand







Welcoming Site Experience Developing Site Assets

- Climate comfort
- Familiar landscape
- Human experience
- Calming and relaxing



Design

Welcome

- Reassuring
- Familiar
- Active
- Orientation Point
- Education
- Reaffirming Brand









Lobby

- Sense of Arrival
- First Impression
- Multi Use
- Connection

- Community
- EstablishingCharacter & Brand





Circulation

- Clear Path
- Views
- Respite
- Engaging
- Intuitive









Garden

- Connection
- Healing & Growth
- Views
- Orientation Point
- Organizing Element



Respite

- Promote Relaxation& Meditation
- Inviting Seating
- Calming Sounds
- Imagery
- Private Outdoor Garden







Patient

- Comfort
- Control
- Connection
- Inclusion
- Positive Distractions
- Family Inclusion



Patient Caregiver

- Calming
- Relaxation
- Connection to nature:
- Inside and outside





Caregiver

- Recharge & Refresh
- Daylight & Views
- Off Stage
- Variety
- Positive Distractions
- Recruit & Retain



Caregiver

- Recharge & Refresh
- Daylight & Views
- Off Stage
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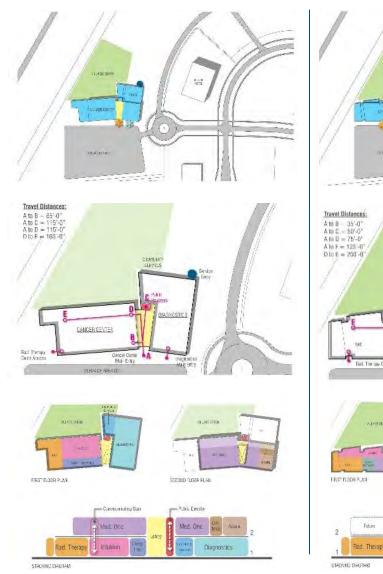


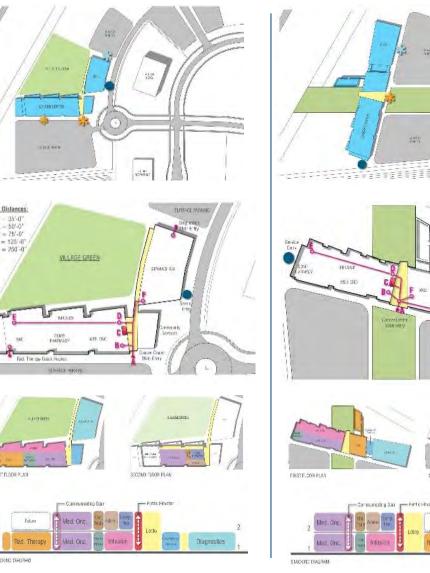




Synthesizing of Thought

- Most fluid phase
- Focus on flow & efficiency
- Explore options
- Exam room mock-ups







Working on Form

- Exploring your story
- Site context
- Studying the masses



Your New Hospital Takes Shape:

- Create an experience
- Define the character
- Develop the vision



























Working with the Petersburg Medical Center Wellness Committee to Balance all Dimensions of Wellness

- Physical Holiday Hustle
- Social Community Health Series
- Spiritual Gratitude Challenge
- Emotional BetterHealth partnership
- Mental YouTube channel
- Vocational Paddle Battle
- Environmental ??
- Financial ??



Meeting the Needs of Your Community

Population Growth Rate 2020	0.05%	* * * * * * * * * * * * * * * * * * *
Population 65 or Older	21.4%	* * * * * * * * * * * * * * * * * * *
American Indian or Alaska Native	10.6%	***
Households with Broadband Internet	79.9%	
Population with Healthcare Coverage	91.2%	***
Native Poverty Rate	15.6%	****
Islander Poverty Rate	50.0%	****



Focus on Wellness

- Primary care is at the center
- Your greatest impact is outside the exam room





Moving from "Get Well" to "Be Well"



Making your Replacement Hospital a Reality:

- Designed to support your vision and model of care
- Break down the process
- Establish effective project management process
- Have fun along the way





It starts with Collaboration

- Journey Management
- Team Approach
- Open Communication



Beyond Responsible Stewards

- Clearly define the project scope
- Understand the constraints
- Pre-plan with all team members
- Do, check & adjust!
- Develop a total project budget as early as possible
- Outline a Risk Management plan
- Clear & complete project design
- Real-time tracking





Project Controls to Minimize Schedule Delays, Revenue Loss and Construction Overruns

	LONG-LEAD ITEM WATCH LIST
52–65 WEEKS	Firestone, Carlisle, and John Manville Roofing materials, including Polyiso insulation and fasteners
49 WEEKS	York custom and semi-custom air handling units
48-54 WEEKS	Caterpillar and Cummins Emergency Generators
32-52 WEEKS	Elevators
45 WEEKS	GE Electrical distribution panels
42 WEEKS	Johnson Controls air cooled chillers
42 WEEKS	UPS equipment
38 WEEKS	Glass curtain finish depending on coating
24-32 WEEKS	Steel
27 WEEKS	Armstrong flooring
24 WEEKS	ASCO paralleling switchgear

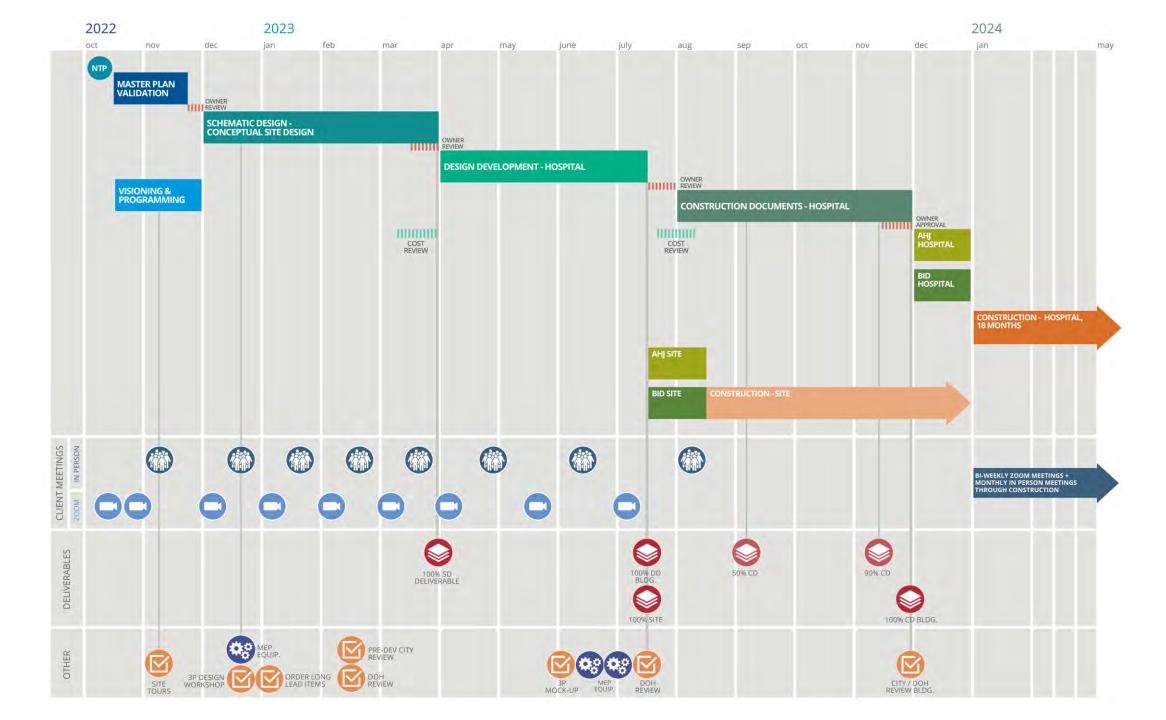


Let's Talk Details

- Focus on the details
- Design each room
- Furniture & equipment
- Graphic communication



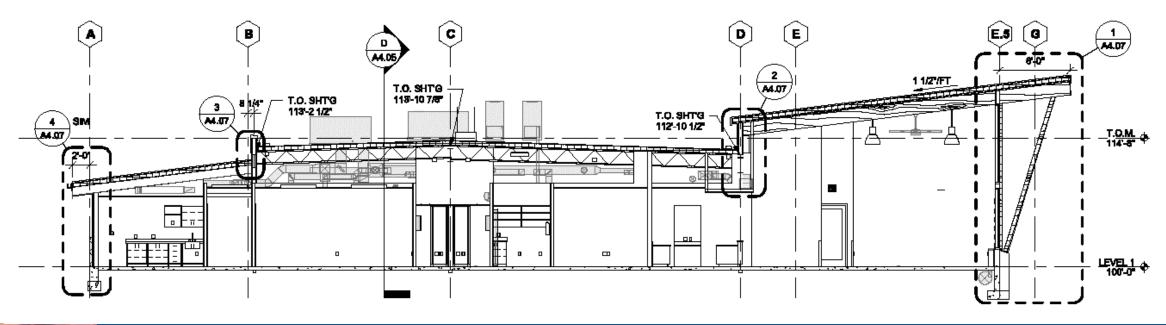




Quality Control is built into everything we do

- Coordinated Drawings =
 Fewer Change Orders
- Follow-Through from Start to Finish

Weekly Meetings
 Including GC-CM



Why Trinity:NAC?

- We Know CAH & Rural Health!
- Consulting, Design & Operational Team Experience
- Unique Analytics and Lean Operational Approach
- Focus on Creating Experiences & Environments that HEAL
- Crafting a Design that is Yours
- Passionate About What We Do...





In Pursuit of a More Humane World...

We will cultivate experiences and environments where everyone is:

- Important
- Included
- Inspired

Questions?



