The DIGITAL HEALTH REVOLUTION is HERE!

'Your Patient will See you NOW'!

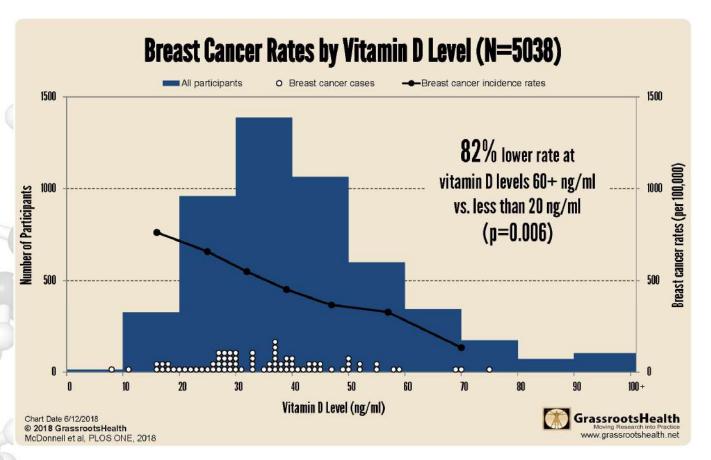
Presented by **Carole Baggerly**Founder and Director of
GrassrootsHealth Nutrient
Research Institute

CLAIM THE Joy OF Your HEALTH TODAY!

WHY? HOW?
SPREAD the WORD to ALL
ENJOY the SUCCESS for YOU!



BREAST CANCER RISK REDUCTION

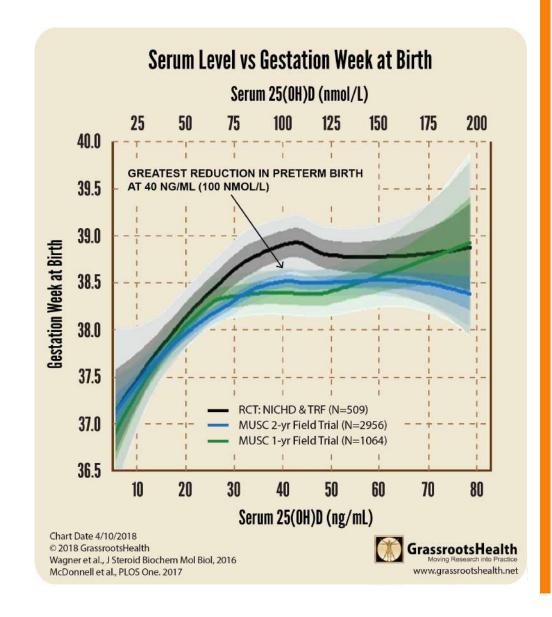


Results

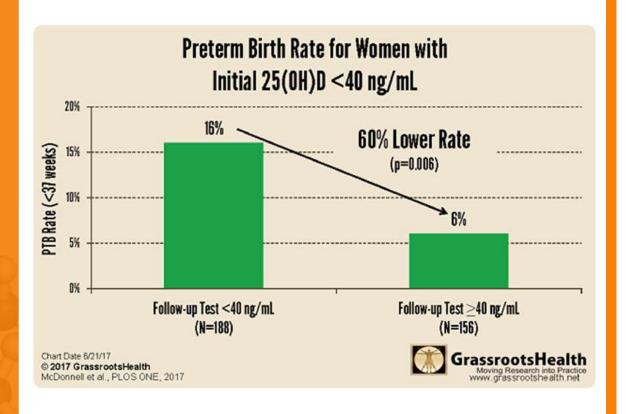
Cox regression showed that women with 25(OH)D concentrations ≥60 ng/ml had an 82% lower risk of breast cancer than women with concentrations <20 ng/ml, adjusted for age, BMI, smoking status and calcium supplement intake (HR=0.20, P=0.02).



40-60% REDUCTION PRETERM

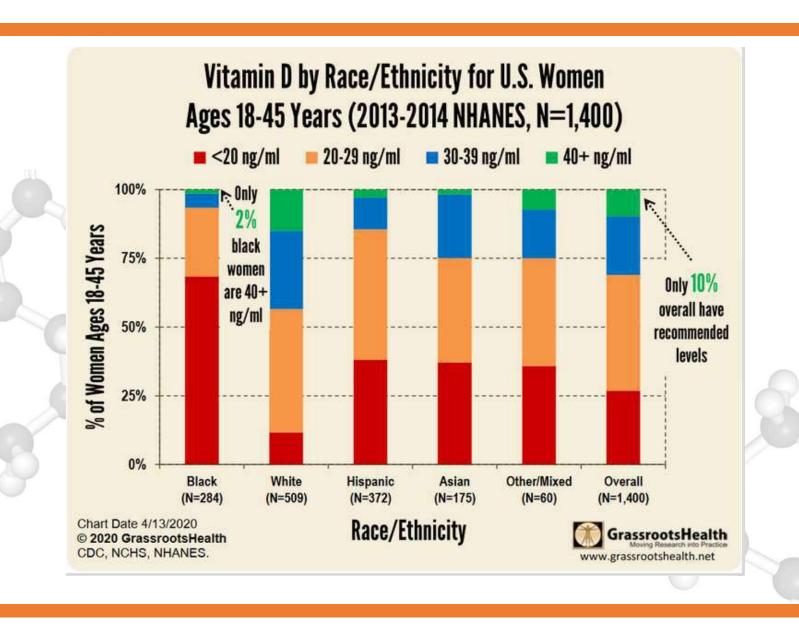


60% REDUCTION PRETERMS





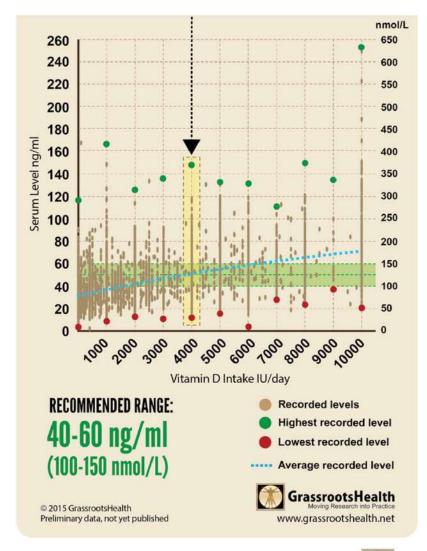




Costs & Benefits with Vitamin D, Omega-3, Magnesium

1	Condition	Cases/Year	Cost	Benefit
	Breast Cancer	266,120	\$80,000 ea	\$15B (71%) -D
			\$21 Billion	180k women
	Type 1 Diabetes	40,000	\$360,000 ea	7.2 B (50%)-D
			\$14.4 Billion	20,000 people
	Preterms	380,000	\$51,000 ea	9.65B (50%)-D
			\$19.3 Billion	190k infants
	Atrial	750,000	\$8,000 ea	\$3B (50%)-All
	Fibrillation		\$6 Billion	325K people

SERUM LEVEL BY INTAKE (N= 7324)







DOSAGE CHART 90%

Vitamin D intake observed to produce noted 25(OH)D serum levels in 90% of adults (age 18 years and older), weighing 150 lbs. (N=7324)

RECOMMENDED RANGE: 40-60 ng/ml

WHAT TO DO

- Test
- Establish recommended intake level
- Test again in 3-6 months

(For supplements, vitamin D3, cholecalciferol may be used.)

Individuals should consult with a health care practitioner to develop a custom plan.

Change in Serum Level Based on Intake (IU/day) for 90% of Adults* (N=7324)

Expected (ng/ml)	Level	20	30	40	50	60
(ing/in	10	2000	4000	6000	10,000	10,000
Current Level > (ng/ml)	15	1000	3000	6000	9000	10,000
¥ [20		2000	5000	8000	10,000
	25		1000	4000	7000	10,000
	30			3000	6000	10,000
	35			1000	5000	9000
	40				3 000	8000
	45				2000	6000
	50					4000

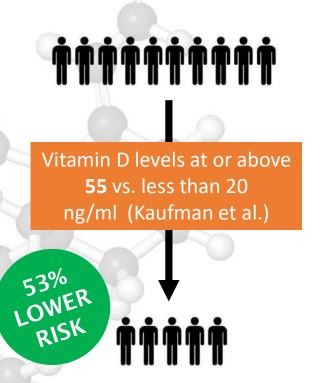
* values rounded to the nearest 1000 IU; highest recommended intake is 10,000 IU/day

Example: With a starting serum level of 20 ng/ml, an additional intake of approximately 5000 IU/day would be sufficient for 90% of adults (age 18 years and older, weighing 150 lbs) to achieve a serum level of at least 40 ng/ml.



COSTS & BENEFITS WITH VITAMIN D

SARS-CoV-2 Positivity



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Hospitalization Due to COVID-19

Vitamin D levels at or above 30 vs. less than 30 ng/ml (Merzon et al.)



Death Due to COVID-19



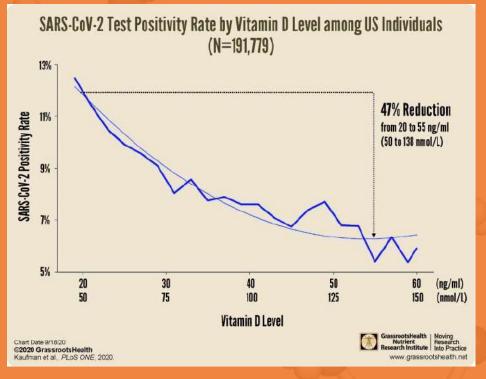
Vitamin D levels at or above 10 vs. less than 10 ng/ml (Carpagnano et al.)





Vitamin D & COVID-19

Kaufman et al.: An analysis of over 190,000 US SARS-CoV-2 test results shows positivity rate halved with vitamin D levels of 55 ng/ml or higher vs. less than 20 ng/ml



Radujkovic et al.: <12 ng/ml had a 6-fold higher risk of severe disease resulting in the need for invasive mechanical ventilation and/or death, and approximately 15 fold higher risk of death.

Carpagnano et al.: 81% of patients with acute respiratory failure due to COVID-19 had vitamin D levels <30 ng/ml; 24% had ≤10 ng/ml. When looking at mortality rates after 10 days of hospitalization, it was found that those with severe vitamin D deficiency had a 50% probability of death, compared to 5% among those >10 ng/ml.

Merzon et al.: 60% increased risk in COVID-19 infection for vitamin D <30 ng/ml compared to 30 ng/ml or higher, and almost doubled risk of hospitalization for <30 ng/ml.

KEY RESEARCHERS ON PANEL



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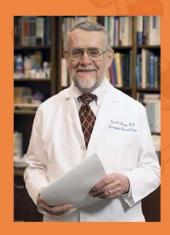


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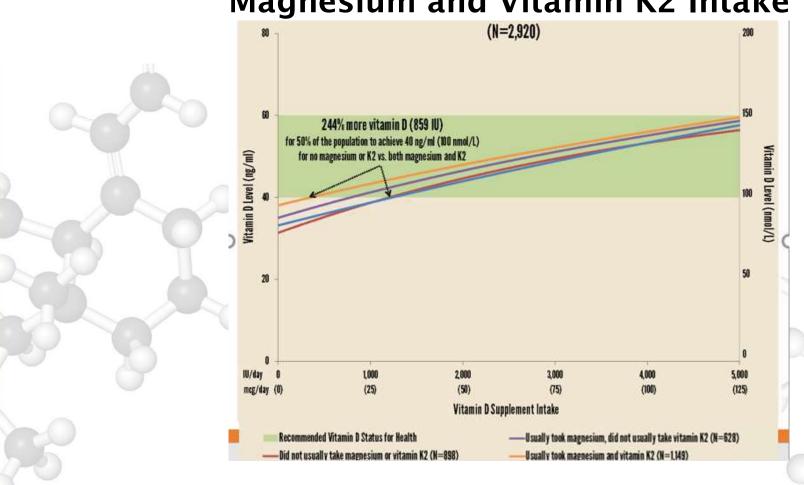
Bruce Hollis, PhD Medical University SC



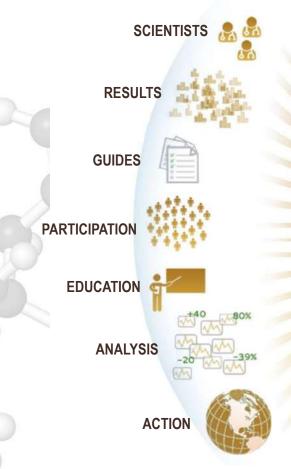
Roger Newman, MD Medical University SC



Vitamin D Dose-Response by Supplemental Magnesium and Vitamin K2 Intake



WHAT DOES IT TAKE?





Moving Research into Practice NOW!

myData-myAnswers

Personalized digital health system + research base



Action Steps



- #1 Measure—the 'right' things; Develop Standards
- #2 Create NEW Technologies—to measure, to educate
- #3 Create new educational methods to match audiences
- #4 Create new structures/benefits for professionals
- **#5** Analyze/Demonstrate Results



More Information?

Please contact carole@grassrootshealth.org

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