Hong Kong Primary Care Conference With the Market With the Market 23-25 June 2023 (Fri - Sun)

Hong Kong Primary Care Conference 2023 Flourishing Primary Care: Family Doctor for Everyone

Primary Care Development: Role of Family Doctors

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The Statute of Four Animals, Riga, Latvia





Role of Family Doctors

- Serving the purpose of primary care
- Driving quality primary care
- Benchmarking quality of primary care



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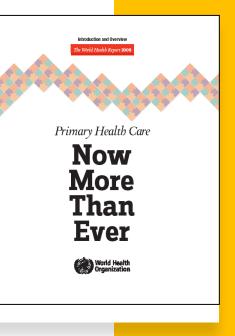
Serving the Purpose of primary care

WHO Declaration of Alma-Ata



WHO/UNICEF International Conference on PHC, 6-12 Sept 1978 The Lenin Place, Alma Ata, USSR.

- PHC is the key to health for all
- ➤ universally accessible: ↓ service gaps & fees
- Comprehensive & skilled care to address main health problems
- Promote self-reliance
- Public policy on financing, resources & mutual referral system
- Leadership on collaborative & strategic multiprofessional team care





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Primary Healthcare Blueprint 2022





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Vision

- Improve overall health of the population
- Provide accessible and comprehensive healthcare services
- Establish a sustainable healthcare system

Strategies

- Prevention oriented
- Early detection, timely intervention of diseases
- Community-based care
- Family centric with family doctors for all
- Personalized health record for continuity of care



Person-centered

(enablement, whole-person, continuous, co-ordinated)

Universal coverage

(accessible, skilled, cost-effective, gatekeeping)



Quality Primary Care



Comprehensive

(prevention, acute/ chronic disease, mental health, multidisciplinary)



Driving Quality Primary Care



Vase with Twelve Flowers, Arles 1888. www.vggallery.com



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Department of Family Medicine & Primary Care 香港大學家庭醫學及基層醫療學系 A higher supply of family doctors, but not other PC doctors, are associated with

- > most cost-effective services^{1,2}
- > more equity of care³
- > lower mortality rates^{2,4}
- higher early cancer detection rates^{5,6}
- 1. Weinberger, M., Oddone EZ, NEJM 1996.
- 2. Franks P, Fiscella K. J Fam Pract 1998; 47:105-9
- 3. Shi L, Macinko J, Starfield B et al. J Am B Fam Pract 2003; 16:412-22.
- 4. Gulliford, M.C., J Pub Health Med 2002; 24:252-4
- 5. Campbell RJ, et al. Fam Med 2003; 35:60-4
- 6. Ferrante JM, et al. Am B Fam Pract 2000; 13:408-14



Having a family doctor in HK

- > 39% persons aged \geq 15 in PHS 2020-22¹
- > More effective gate-keeping²
 - Better access & continuity
 - Fewer A&E visits
 - Fewer hospital admissions
- Better outcomes of consultations³
 - Patient enablement
 - Global health improvement
 - Person-centered care with I.C.E. addressed
 - Preventive care



J School of Clinical Medicine Department of Family Medicine & Primary Care 香港大學家庭醫學及基層醫療學系 "The doctor whom a person would first consult & consult for all types of health problems"



- 1. DH, Report on Population Health Survey (PHS) 2020-22 (Part 1). 28 December, 2022
- 2. Fung CSC., Lam CLK et al. BMC Health Services Research 2015.
- 3. Lam CL K., et al. Front. Med. 2014; doi:10.3389/fmed.2014.00029.



Better continuity & gate-keeping

Service use in last illness ¹ % people	ALL (N=3148)	Family Doctor (n=1150)	ORD (n=746)	NRD (n=1157)
Any doctor	65.4	77.6 *#	68.1 ^{#‡}	51.3 ^{*‡}
Usual PC doctor	57.7	81*#	69.3 ^{#‡}	26.7 ^{#‡}
Other doctors	19.7	14.3	13.1	29
Attended A&E	7.3	4.3*#	7.8 [#]	9.6*
Hospitalization	3.1	1.7*#	3.6 [#]	4.0*

ORD=other regular PC doctor NRD= no regular PC doctor

*# ‡ Significant differences between the respective groups by multivariable logistic regressions 1. Fung CSC., Lam CLK et al. BMC Health Services Research 2015.



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More comprehensive & personcentered care

Care in last consultation ¹ % people	ALL (N=3148)	Family Doctor (n=1150)	ORD (n=746)	NRD (n=1157)
Prescription	91.7	93.2 [*]	94.4 [#]	87.8 ^{*#}
Investigation	9.7	7.7*	10.3	11*
Referral	3.7	2.8	3.5	4
Explanation	72	80.1 *‡	73 .1 ^{‡#}	63.4 ^{*#}
Concerns addressed	62.2	69.5 ^{*‡}	63.4 ^{‡#}	54.5 ^{*#}
Lifestyle advice	40.7	45*#	42.2#	35.4*
Screening	13.6	15.8*	13.3	11.8*

ORD=*other regular PC doctor NRD*= *no regular PC doctor*

* # ‡ Significant differences between the respective groups by multivariate logistic regressions 1. Lam et al, SHS-P-10 Report, HHSRF, Food & Health Bureau 2009



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Better outcomes

Outcomes of last consultation ¹ % people	ALL (N=3148)	Family Doctor (n=1150)	ORD (n=746)	NRD (n=1157)
More enabled	67.4%	70.7%*	65.5% [‡]	65.4 % [*]
(mean PEI score)	(2.89)	(3.33)	(2.63)	(2.8)
Health got better	49.3%	53.5 %*	50% #	44.8 % [*] #
Satisfied with care	93.8%	96.1% *‡	93.9 % [‡] #	92 % [*] #
Recommend the doctor to others	60.1%	76.1%*‡	61.1%[‡]	44.2%*#

ORD=other regular PC doctor NRD= no regular PC doctor; PEI= Patient Enablement Instrument *# ‡ Significant differences between the respective groups by multivariate logistic regressions 1. Lam C.L. K., et al. Front. Med. 2014; doi: 10.3389/fmed.2014.00029



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More preventive care

Preventive care ¹	ALL (N=3148)	Family Doctor (n=1150)	ORD (n=746)	NRD (n=1157)
% people		(11-1150)		
Good-excellent general health	48.7	53.2 ‡	41.3 ^{‡#}	50 [#]
Never smoke	79.5	82.4*	80.8 [#]	75.9 ^{*#}
Never drink	60.8	63* ‡	59.9 [‡]	58.9*
Regular exercise	65.2	68.4 *	62.6*	63.3
BP screening	78.8	85.3*‡#	81.5 ^{‡#}	69.6 ^{*#}
Cervical smear	74.5	80.1*	77.0 [#]	66.2 ^{*#}

ORD=other regular PC doctor NRD= no regular PC doctor

* # *‡* Significant differences between the respective groups by multivariable logistic regressions

1. Lam et al, SHS-P-10 Report, HHSRF, Food & Health Bureau 2009





Family Doctors Making a Difference in Primary Care



Professor Ian R. McWhinney 1926-2012

"Our value to medicine lies in the differences..." System thinking

Context sensitivity

Comprehensiveness

Continuity of care

Comprehensive & Continuous Care



The Contribution of Family Medicine to Improving Health Systems

Edited by Michael Kidd Foreword by Dr Margaret Chan, Director-General, WHO



Care Continuum

Asymptomatic → Prevention & screening Symptomatic → Accurate diagnosis Diagnosis → Appropriate effective management Illness progression → Monitor control, prevent complications & review management

Multi-morbidity → Co-ordinate & facilitate care

Complications → Rehabilitation, support & care

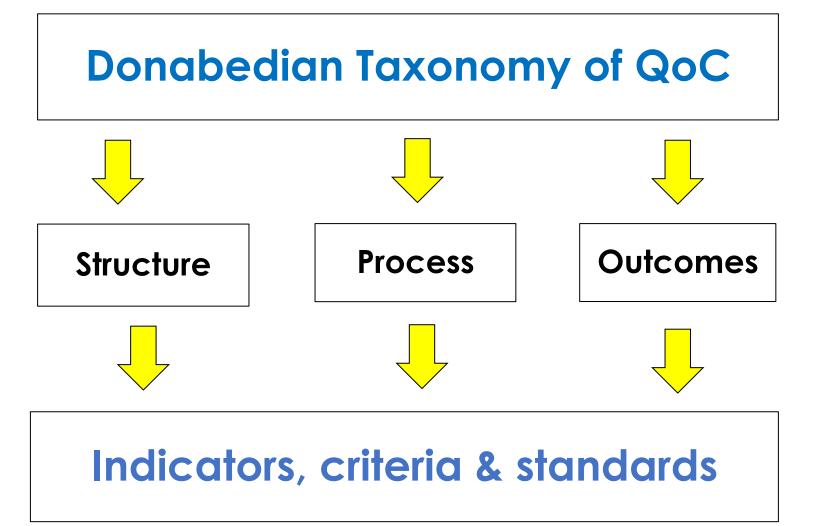
- Higher continuity of care (UCPI>0.5) was associated with lower Cx & all cause mortality in DM patients^{1,2}
- 1. Chan KS, Wan EYF* & Lam CLK et al. Diabetes Care 2022; 45(5): 1162-1169
- 2. Liao PJ, Lin ZY & Hsu K-H.et al. Medicine (Baltimore) 2015; 94:e554



Wonca

Benchmarking Quality of Primary Care









Structure

The future of primary care Creating teams for tomorrow

Report by the Primary Care Workforce Commission



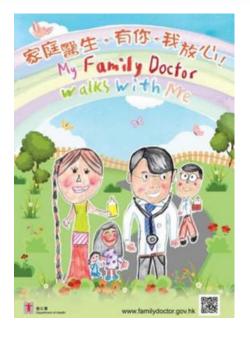
"With its highly skilled workforce, effective multi-disciplinary teams and well-developed IT systems, the NHS is in an unparalleled position to develop a modern primary care system that is truly world class."



15% health budget ¹	
80%	
Entry (100%) Intermediate (80%) Specialists (50%)	
100%	
80% common problems	
80%	
80%	
80%	
80% common problems	

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Process



Must be the first contact of medical care	95% ¹
Must manage problems effectively	referral <5% ²
Should manage uncomplicated chronic diseases	80%
Should provide preventive care (vaccination, BP, DM & cancer screening)	50-80% ³
Should manage common mental health problems	80%
Should provide continuity of care	UCPI > 0.5 ⁴
Should be patient-centred in addressing I.C.E.	70% ²
Should advice on self-care & lifestyle	50% ²

UCPI: Usual Care Provider Index

- 1. Fung CSC & Lam CLK et al. BMC Health Services Research 2015.
- 2. Lo YYC & Lam CLK et al. HK Pract 2010; 32: 17-26.
- 3. Lam C.L. K., et al. Front. Med. 2014; doi: 10.3389/fmed.2014.00029.
- 4. Chan KS, Wan EYF & Lam CLK et al. Diabetes Care 2022; 45(5): 1162-1169



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Patient Enablement Instrument (PEI)^{1,2}

1) As a result of your visit to the doctor today, do you feel you are... (*please tick one box in each row*):-

	MUCH BETTER	BETTER	SAME OR LESS	NOT APPLICABLE	
able to cope with life					
able to understand your illness					
able to cope with your illness					
able to keep yourself healthy					
confident about your health	MUCH MORE	MORE	SAME OR LESS	NOT APPLICABLE	
able to help yourself					

- 1. Howie JG, Heaney DJ, Maxwell M, et al. Fam Pract 1998;15:165–71.
- 2. Lam CLK, Yuen NYK, Mercer SW, et al.. Fam Pract 2010;27:395–403.

Condition specific outcomes	80%
Patients should be satisfied with the consultation	95 % ¹
Patients should be enabled after the consultation	80% ¹ (PEI >0)
Patients should feel their concerns have been addressed	70 % ¹
Patients should perceive their overall health condition have got better (GRS)	60 % ¹

PEI: Patient Enablement Instrument GRS: Global Rating Scale on change in health condition

1. Lam C.L. K., et al. Front. Med. 2014; doi: 10.3389/fmed.2014.00029



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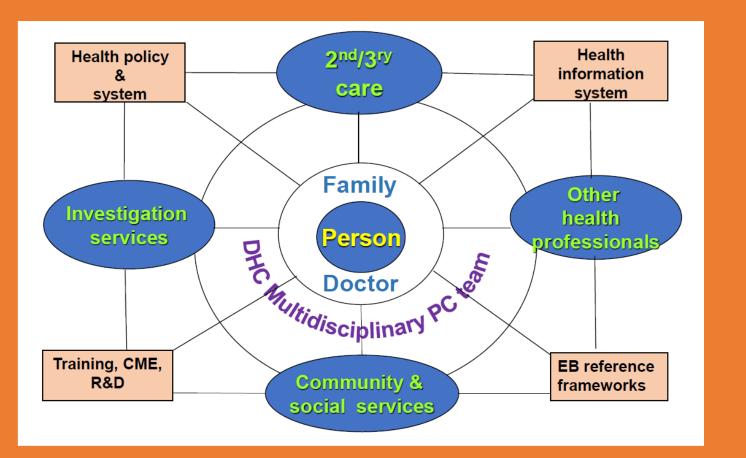
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Primary Care Development: Role of Family Doctors

- Family doctors are the best fit for the purpose of PC
- Family doctors enable PC to be universal, accessible, cost-effective, person-centred, comprehensive & continuous
- Family doctors provide benchmarks of achievable quality of PC
- A personal family doctor for all is a need













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