

Sally F Bloomfield International Scientific Forum on Home Hygiene

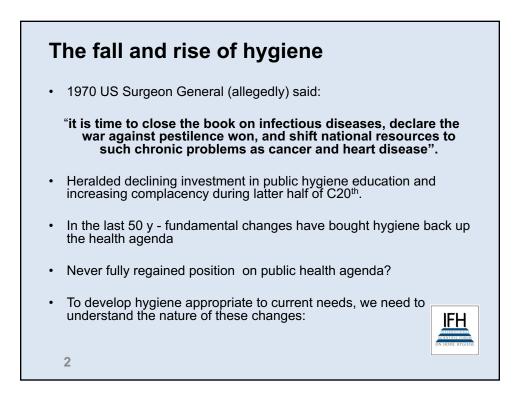
Denver Russell Memorial Lecture

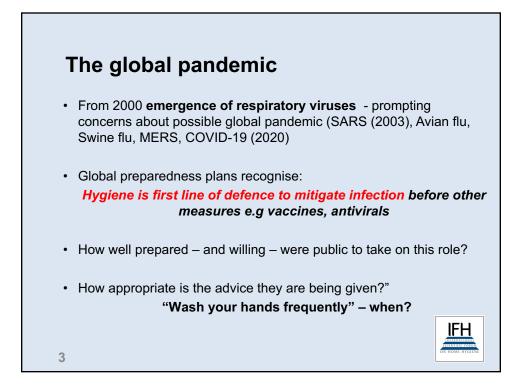


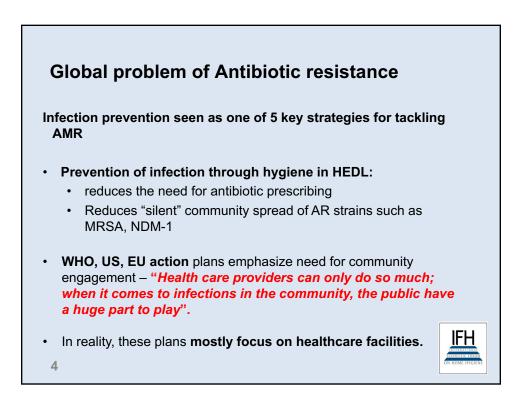
Hosted by Prof. Jean-Yves Maillard Cardiff University, Wales

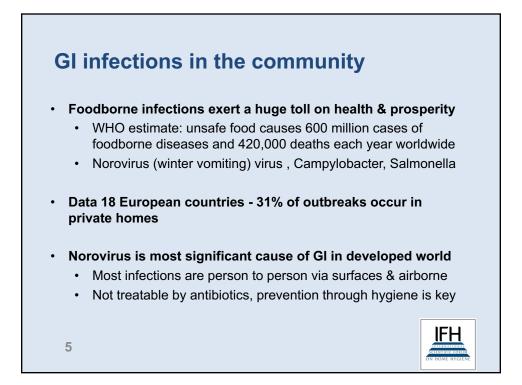
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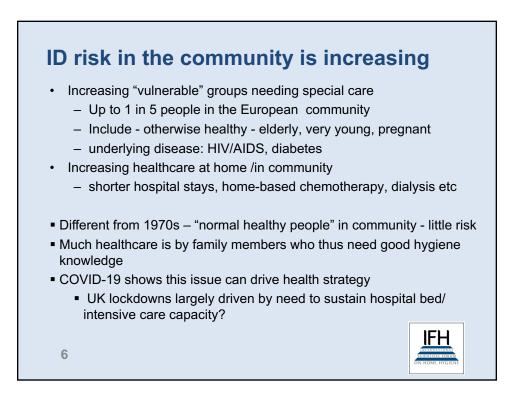
May 18, 2021

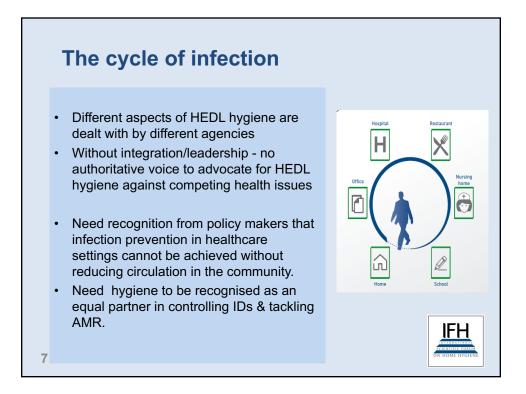








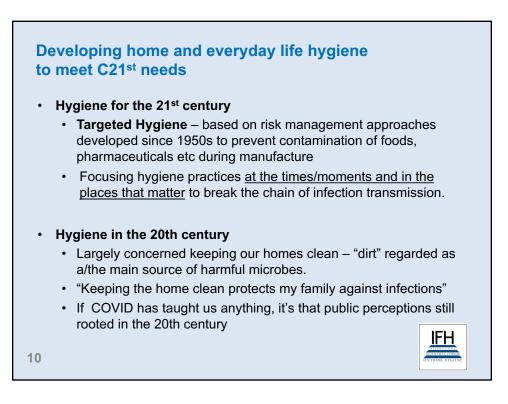






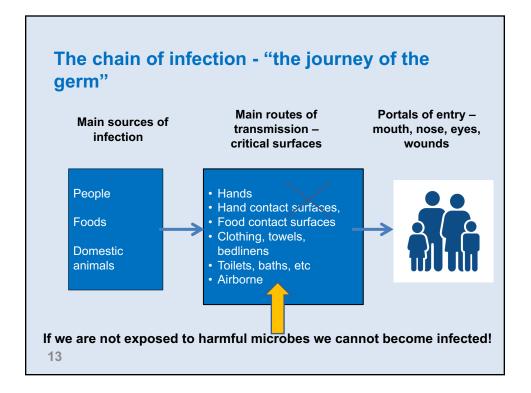


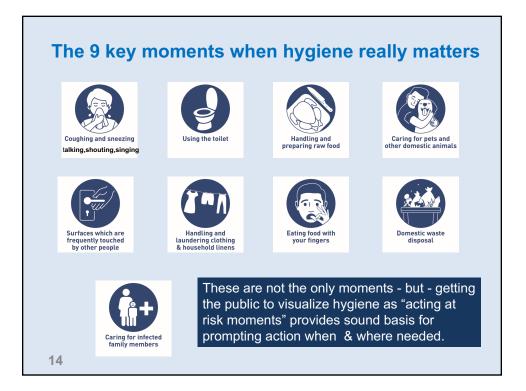
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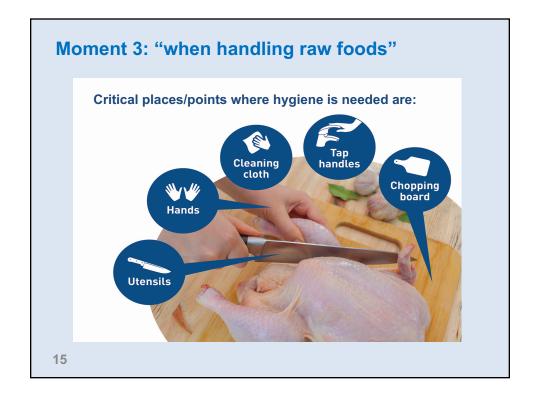


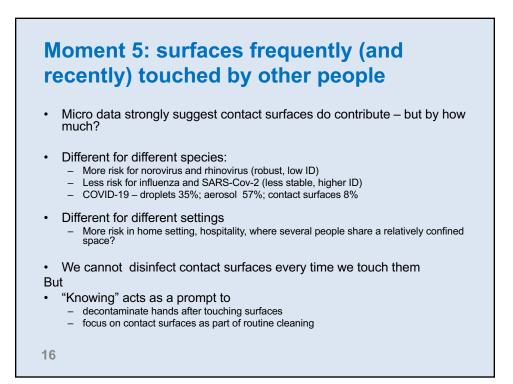


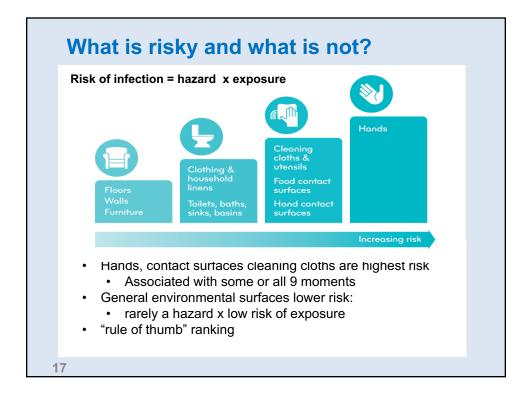




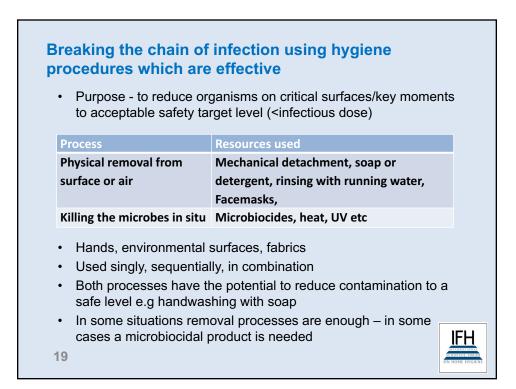


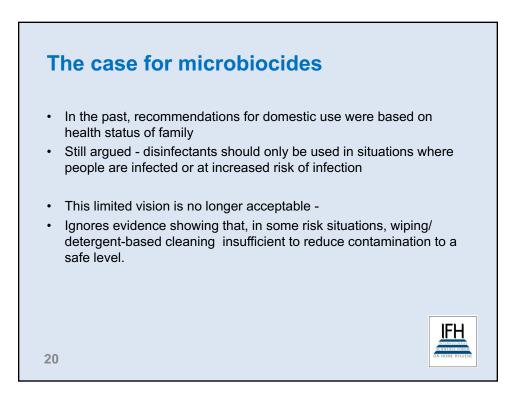






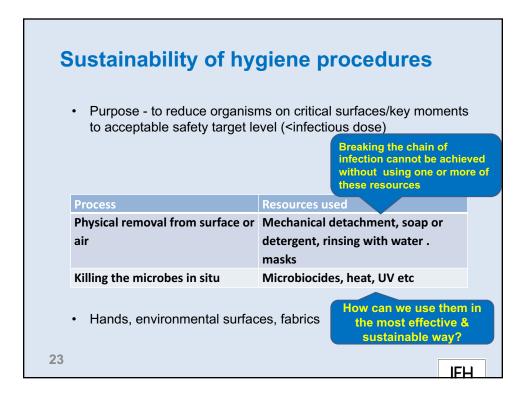


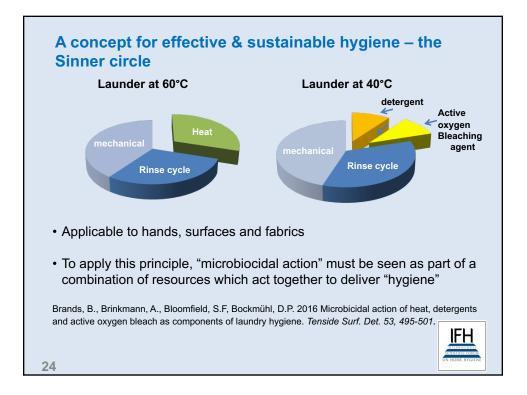


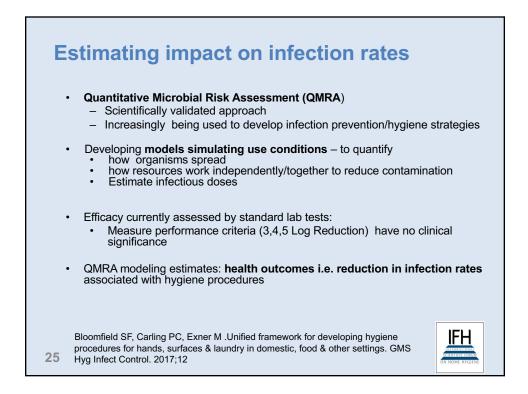


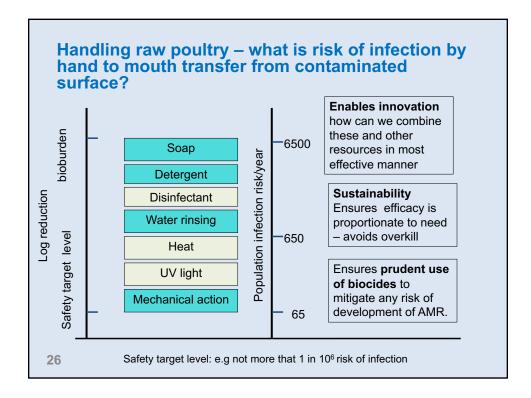
	Percentage			
No of participants in each group = 20	After Meal Preparation	After Cleaning with Soap and Water	After Cleaning	33% contaminate sites had >1000
Hands, Chopping board, Utensils Dishcloth Sink ,taps, Fridge, door handles etc	17.3%	15.3%	2.3%	cfu/sample area Infectious dose 500cfu

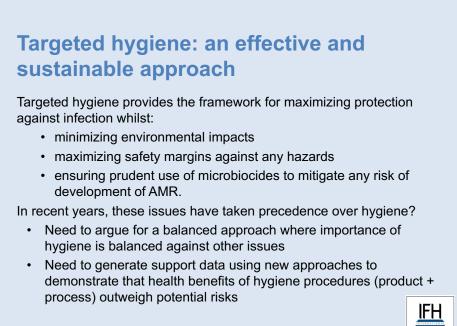






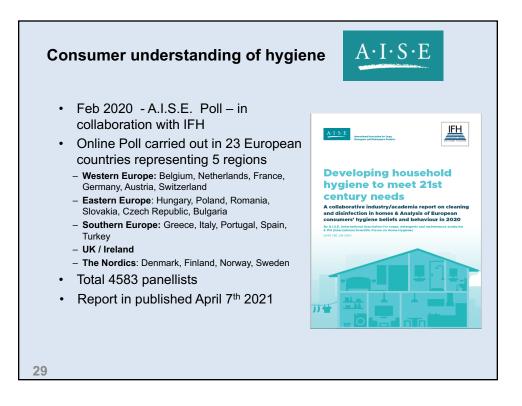


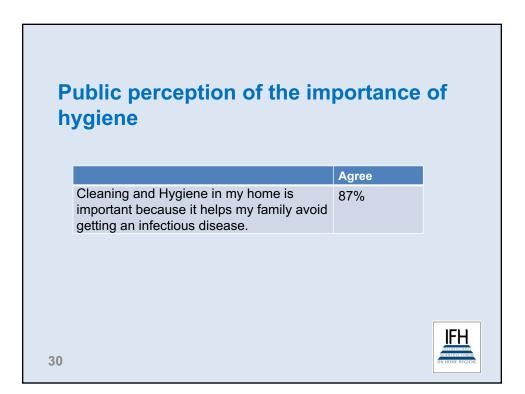


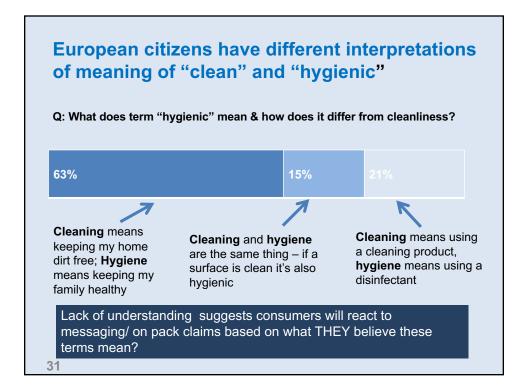


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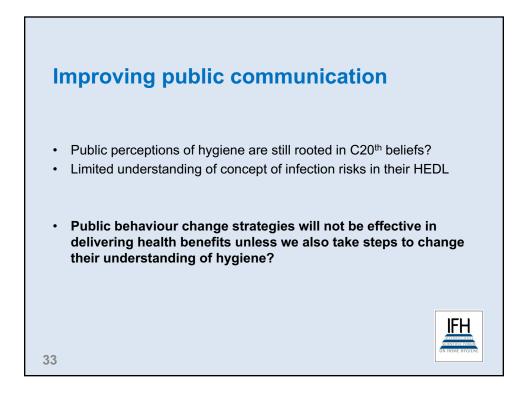




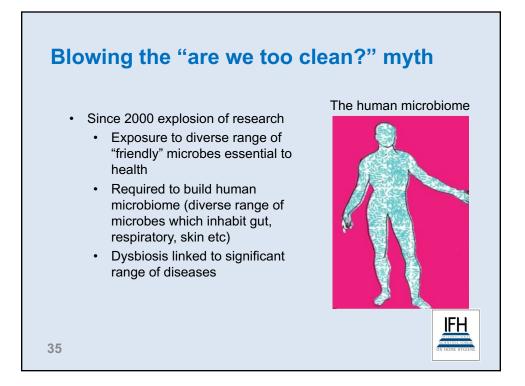


Do people's behaviours correlate with their perception of risk ? (12 questions asked)

	How often do you do the following ?	Always /Often	High/ medium risk	To what extent do you think the following pose a risk of infection
	Wash hands after using the toilet	90%	89%	Not washing hands after going to the toilet
	Wash hands immediately after preparing raw meat	83%	86%	Handling raw meat without washing hands afterwards
Highest	Wash and dry cleaning cloths after each use	47%	65%	Reusing cleaning cloths without washing & drying after each use
risk	Wash pet feeding utensils separately from family	45%	76%	Washing pet feeding utensils in same bowl as family feeding
Some	cups/plates etc Have different hand/bath	67%	63%	utensils Sharing hand and bath towels
risk Low	towels for family members Use antibacterial to clean	62%		with other family members Not using antibacterial to clean
risk	kitchen & bathroom floors			kitchen & bathroom floors

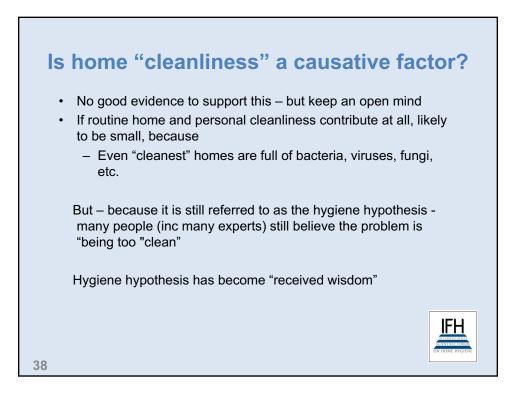






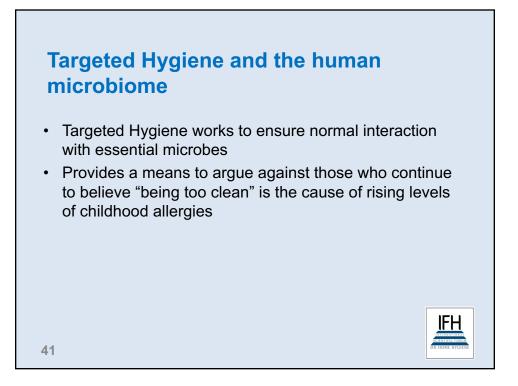
HypothesisAutoimmune diseases e.gmicrobes from: • other humans,Fewer siblings, less outdoor activity				
 natural outdoor feeding, environment, antibiotics, diet Depression 	pothesis	Autoimmune diseases e.g MS, IBD Diabetes, Obesity,	microbes from: • other humans, • animals, • natural outdoor	less outdoor activity, C-section & bottle feeding,

	Diseases linked to dysbiosis of the microbiome	due to lack of exposure to	Due to
Hygiene hypothesis 1989	Rapid rise in childhood allergies	Childhood infections	 Smaller families, Higher standards of home & personal cleanliness
Old Friends Hypothesis 2003	Allergies, Autoimmune diseases e.g MS Diabetes, IBD, Obesity, Depression	"old friends"microbes from:other humans,animals,natural environment,	Lifestyle changes: Fewer siblings, less outdoor activity, C-section & bottle feeding, antibiotics, diet
37 If it's not in	nfection exposure	we need – it can't t	be hygiene?



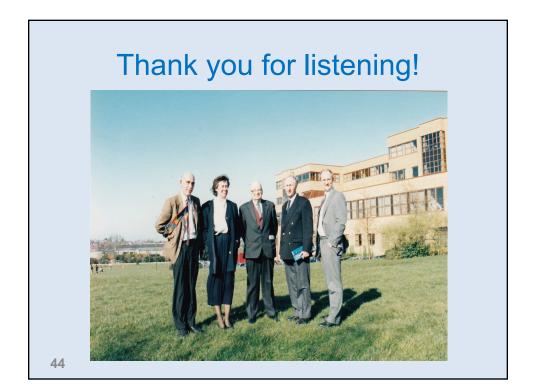
	SPH public online poll 201	8	
- 4	2000 people		
w	hich of the following factors do you believ	e is preventing	
	Idren coming into contact with enough go	• •	
			_
	Taking too many antibiotics	59%	
	Spending less time outdoors	56%	
	Keeping our homes too clean	55%	
	Using too many antibacterial cleaners	52%	
	Reduced contact with other children	49%	
	Bottle rather than breast feeding	22%	
	Having lots of baths/ showers	21%	
	Eating processed foods	18%	
	C-section rather than natural childbirth	9%	
	None of the above	3%	IFH





Objectives	Stakeholder groups
Targeted Hygiene provides the framework for an effective and sustainable approach to preventing spread of infection in our homes and everyday lives.	Policy makers, health professionals etc
Use new approaches to ensure that hygiene procedures are effective and proportionate to needs	Academia + house- holdcare industry, regulators
Realising the benefits of Targeted Hygiene depends on getting the public to adopt this approach .	All stakeholders + media + HHC industry
To achieve this, hygiene promotion must be accompanied by strategies to improve consumers' hygiene understanding	All stakeholders + media + HHC industry +allergists and microbiomists





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May 20, 2021	COMPLACENCY ABOUT DISEASES, ANXIETY ABOUT VACCINES: THE MENINGITIS PERSPECTIVE Speaker: Elizabeth Rodgers, Meningitis Research Foundation, UK
May 27, 2021	EMERGING PATHOGENS - HAVE WE LEARNED ANY LESSONS? Speaker: Prof. Rodney Rohde, Texas State University
June 8, 2021	(European Teleclass) ASSESSING PERSONAL PROTECTION EQUIPMENT Speaker: Linda Kilsdonk-Bode, Amphea Hospital, The Netherlands
June 16, 2021	(FREE South Pacific Teleclass) FROM POLICY TO PRACTICE – IMPLEMENTING GOVERNMENT DIRECTED POLICY & IMPLICATIONS FOR INFECTION CONTROL PRACTICE Speaker: Sally Havers, Queensland University of Technology, Australia
June 24, 2021	CONTINUOUS ACTIVE ANTI-VIRAL COATINGS Speaker: Prof. Charles Gerba, University of Arizona
July 15, 2021	PANDEMIC IMPACT ON HEALTHCARE LAUNDRY IN ACUTE CARE AND LONG TERM CARE FACILITIES Speaker: Dr. Lynne Sehulster, American Reusable Textile Association
July 27, 2021	(FREE European Teleclass) THE CHANGING PERCEPTIONS OF INFECTION PREVENTION AND CONTROL

