Supplementary Figure 1A. Evans and Stoddart Framework of Determinants of Health.



Source: Evans RG, Stoddart GL. Producing health, consuming health care. *Social science & medicine (1982)* 1990;31(12):1347-1363.

Supplementary Figure 1B. Multilevel Approach to Epidemiology.



Source: Kaplan, G.A., Everson, S.A., Lynch, J.W. (2000). The contribution of social and behavioral research to an understanding of the distribution of disease: a multilevel approach. In Smedley BD, Syme SL (eds), Promoting Health: Intervention Strategies from Social and Behavioral Research. Washington, DC: National Academies Press.

Supplementary Figure 1C. The Dahlgren-Whitehead model.



Source: Dahlgren G, Whitehead M. Policies and strategies to promote social equity in health. Background document to WHO - Strategy paper for Europe. *Institute for Futures Studies, Arbetsrapport* 1991;14

**Supplementary Table 1. The main characteristic of NCI-funded transcapillary projects**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Years funded** | **Cancer types** | **Cancer Care Continuum** | **PI discipline** | **Team disciplines (non-exhaustive)** | **Evaluation**  |
| **1** | 1999-2003 | Mixed | Primary prevention  | Community & Global Health, Social Psychology  | Psychology, Anthropology, Epidemiology, Biostatistics, Education, Demography, Environmental science, Respiratory science, public Health | N/A |
| **2** | 2003-2011 | Prostate cancer | Risk assessment, Primary prevention  | Epidemiology  | Molecular biology, Genetic Epidemiology, Sociology, Behavioral science, Health policy  | N/A |
| **3** | 2004-2008 | Mixed | Primary Prevention | Cancer prevention, Pharmacogenetics  | Neuroscience, Genomics, Pharmacology, Population science  | N/A |
| **4** | 2005-2006 | Mixed | Risk assessment, Primary prevention  | Biochemistry, Genetics, Cancer Prevention | Energetics, Cancer prevention  | Yes |
| **5** | 2005-2009 | Mixed | Risk assessment, Primary prevention  | Energetics, Preventative Medicine  | Cancer metabolomics, Energetics | Yes |
| **6** | 2005-2011 | Mixed | Risk assessment; primary prevention | Epidemiology; Public Health  | Epidemiology; Public health  | N/A |
| **7** | 2005-2017 | Mixed | Risk assessment, Primary Prevention | Public Health; Energetics | Energetics | Yes |
| **8** | 2006-2010 | Gastrointestinal cancer | Primary prevention, Detection, Diagnosis | Genetics, Cancer  | Biologic and behavioral research, Energy balance, Cancer | Yes  |
| **9** | 2010-2014 | Breast cancer | Risk assessment, Survivorship | Epidemiology  | Cancer prevention  | N/A |
| **10** | 2010-2014 | Lung cancer | Risk assessment  | Epidemiology, Bioinformatics | Cancer genomics, Molecular genetics | N/A |
| **11** | 2010-2014 | Mixed | Risk assessment, Primary prevention | N/A | Cancer prevention, Cancer control, Tobacco control, Energy balance | N/A |
| **12** | 2011-2012 | Breast cancer | Risk assessment, Detection  |  | Epigenetics, Cancer prevention | N/A |
| **13** | 2011-2015 | Breast cancer | Risk assessment, Detection  | N/A | Epigenetics, Metabolomics, Cancer Prevention  | N/A |
| **14** | 2011-2016 | Breast cancer | Risk assessment | Nutrition, Breast cancer prevention  | Energetics, Cancer prevention  | Yes |
| **15** | 2011-2016 | Breast cancer | Survivorship | Exercise oncology  | Energetics, Cancer biology, Cancer prevention  | Yes |
| **16** | 2011-2016 | Mixed | Risk assessment, Primary Prevention | Epidemiology; Public Health  | Epidemiology, Social work, Clinician, Public health, Basic scientist, Engineering, Anthropology, Economics  | N/A |
| **17** | 2011-2017 | Prostate and Colorectal Cancer | Risk Assessment  | Energetics, Metabolomics | Energetics, Cancer prevention  | N/A |
| **18** | 2013-2016 | Acute Myeloid Leukemia | Treatment, Survivorship | N/A | Physical sciences, Cancer  | N/A |
| **19** | 2015-2017 | Prostate cancer | Treatment  | Diagnostic Radiology  | Medical oncology, Radiation oncology, Molecular imaging  | N/A |
| **20** | 2015-2022 | Colorectal cancer | Primary prevention | Pathology | Molecular pathology, epidemiology | N/A |
| **21** | 2016-2017 | Endometrial cancer | Treatment, Survivorship | Epidemiology, Biostatistics  | Behavioral science, Neuroscience, Physical rehabilitation  | N/A |
| **22** | 2016-2020 | Colorectal cancer | Treatment, Survivorship | Epidemiology, Population health  | Epidemiology, Cancer genomics | N/A |
| **23** | 2018-2021 | Colorectal Cancer | Risk assessment, Primary prevention | Genomics, Population health  | Epigenetic epidemiology  | N/A |
| **24** | 2019-2022 | Mixed | Risk assessment  | Molecular oncology  | Molecular oncology, biochemistry, functional genomics | N/A |
| **25** | 2020-2025 | Breast cancer | Risk assessment, Primary prevention  | Endocrinology | Biology, Endocrinology, Biopsychology  | N/A |